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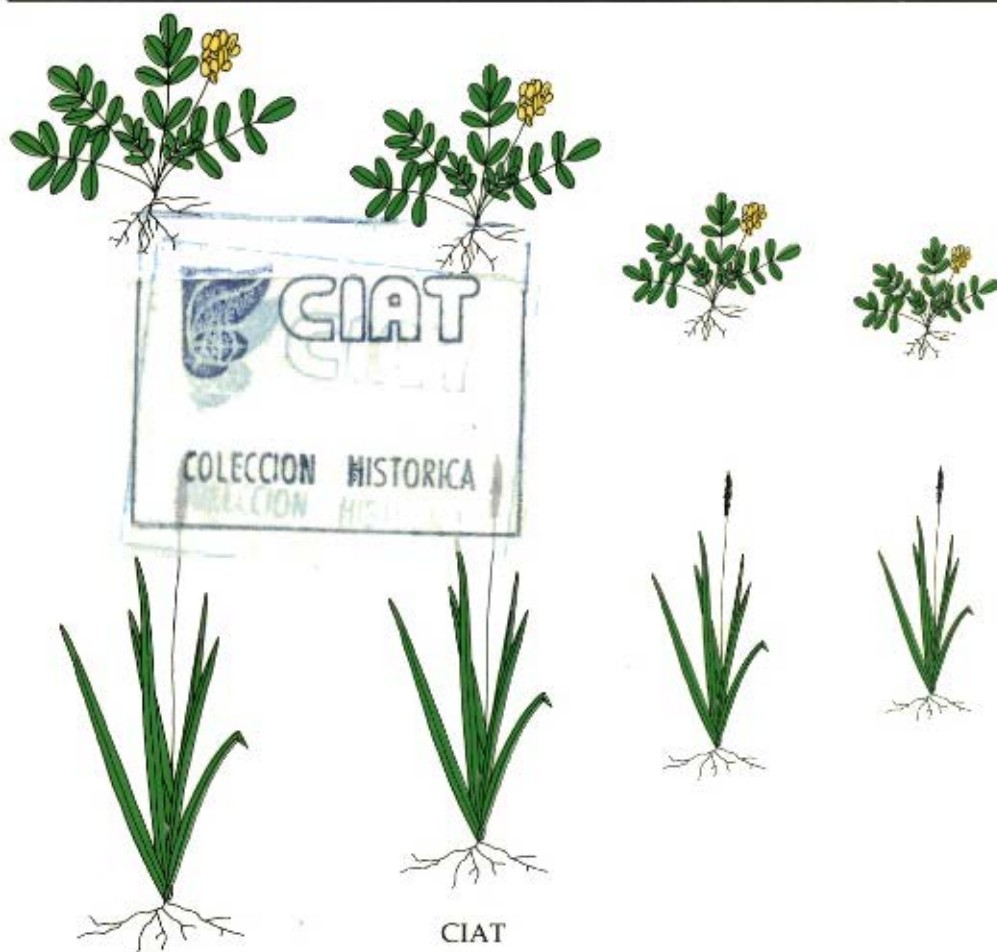
INTERNATIONAL MYCOLOGICAL INSTITUTE
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Issued 10th December 1990

Phytopathological Paper No. 31

A World List of Fungal Diseases of Tropical Pasture Species

JILLIAN M. LENNÉ



CENTRO INTERNACIONAL DE AGRICULTURA TROPICAL

A WORLD LIST OF FUNGAL DISEASES OF TROPICAL PASTURE SPECIES



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Published on behalf of
International Mycological Institute
(an Institute of C·A·B International)
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Fax: 57-23-647243

British Library Cataloguing in Publication Data

Lenné, Jillian M.

A world list of fungal diseases of tropical pasture species

1. Tropical regions. Pastures. Fungal diseases

I. Title II. Series

633.200913

ISBN 0-85198-674-9

ISSN 0069-7141

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SUMMARY

A World List of Fungal Diseases of Tropical Pasture Plants brings together many unpublished records from the International Mycological Institute, the author's personal records and Australian records as well as records resulting from detailed searches of published information. This list includes diseases recorded on 429 species of 37 genera of legumes (for example: *Aeschynomene*, *Centrosema*, *Desmodium*, *Leucaena*, *Macroptilium* and *Stylosanthes*) and on 667 species of 31 genera of grasses (for example: *Andropogon*, *Brachiaria*, *Digitaria*, *Panicum*, *Paspalum*, *Pennisetum* and *Setaria*), their distribution and a comprehensive bibliography of more than 300 references. As the first list of fungal diseases of tropical pasture plants, it should prove a valuable reference to pasture scientists and quarantine officers throughout tropical countries and especially where pasture germplasm introduction programmes are in progress.

INTRODUCTION

Substantial areas of the agricultural land of tropical developing countries of Africa, Asia, Central and South America are suitable only for grazing. During the past 20 years, production from tropical pastures has steadily increased due to improvement of natural pastures by introduction of more productive grasses and legumes, particularly in Australia and several South American countries. Great potential exists for increased production in other tropical countries. However, during the past ten years, diseases have become an increasingly important constraint to tropical pasture production.

Most tropical pasture grass and legume species are wild species and are little known both botanically and agronomically. Although several species of key genera of legumes such as *Aeschynomene*, *Centrosema*, *Desmodium*, *Leucaena*, *Macroptilium* and *Stylosanthes* and grasses such as *Andropogon*, *Brachiaria*, *Digitaria*, *Panicum*, *Paspalum*, *Pennisetum* and *Setaria* are proven tropical pasture plants, a great diversity of genera and species is yet regarded as potentially important.

Host diversity is reflected in the diversity of fungal pathogens recorded on tropical pasture plants. All parts of the plant may be affected – roots, stems, leaves and inflorescences. Most fungal pathogens, however, have been recorded on foliage thus causing the greatest direct animal losses.

This list is a record of fungal diseases or potential fungal diseases of tropical pasture species and not a complete record of fungi on these hosts. In all cases, the common disease-causing state of the fungus is used. Bacterial diseases of many tropical pasture species have been listed in Bradbury's (1986) – *Guide to Plant Pathogenic Bacteria* (1986; CAB International) while a comprehensive account of nematodes associated with tropical species can be found in Stanton & Rizo – *Nematodes of Forage Legumes and Grasses* (1988; CAB International and CIAT). Information presently available on viruses affecting tropical pasture species is incomplete. Further characterization and comparative studies are needed before a definitive list can be compiled. No attempt has been made in this list to indicate the relative importance of fungal diseases, as for many pasture species no information is available. The most damaging diseases of important pasture species are well-documented in references 100, 153, 155, 156, 160, 161, 163, 165 and 275.

This list strongly emphasizes diseases of pasture species from the lowland tropics. Several species, such as *Cynodon dactylon* and *Pennisetum clandestinum*, widespread in subtropical and highland tropical areas, are included because no other detailed accounts of their fungal diseases are known to the author. Diseases of several millets (for example: Japanese millet – *Echinochloa frumentacea*, common millet – *Panicum miliaceum*, pearl millet – *Pennisetum typhoides* and foxtail millet – *Setaria italica*) are also included because of their direct use as forages in some countries and due to the importance of their stubble as animal fodder in many developing countries.

Since 1922, the International Mycological Institute has provided an identification service for fungi associated with agricultural problems, in particular plant pathology. It has built up a reference collection of 350,000 samples representing ca 30,000 species and these are fully documented and indexed according to hosts and species. The collection is backed up by a culture collection of fungal strains. This list includes many of these records, the author's personal records, Australian records as well as records resulting from detailed searches of published information. The need to verify literature reports of tropical pasture pathogens is stressed. Host Indices in Saccardo's *Sylloge Fungorum* and Petrak's *Index of Fungi* were not used during the preparation of the list.

This first list of fungal diseases of tropical pasture plants should prove a valuable reference to pasture scientists in facilitating identification of diseases and to quarantine officers in avoiding introduction of diseases.

ACKNOWLEDGEMENTS

I wish to thank the following institutions and colleagues for their help and support during the preparation of this list: the Centro Internacional de Agricultura Tropical, CIAT, for general support; the International Mycological Institute for access to their unpublished records and for literature searches; Dr. Brian Sutton for help and advice on fungal nomenclature; Dr. John Walker for access to unpublished records of the DAR, Rydalmere, New South Wales, Australia; Dr. John Alcorn for access to the bibliographic data base of the DPI, Indooroopilly, Queensland, Australia; Sra. Constanza de Téllez for dedicated secretarial help especially during the early stages of preparation; and Dr. David Wood for advice on host nomenclature and encouragement during the final period of preparation.

RESUMEN

Esta lista mundial de enfermedades causadas por hongos en las plantas forrajeras tropicales recopila muchos registros inéditos de *International Mycological Institute*, registros personales del autor y registros provenientes de exhaustivas búsquedas de información. Esta lista incluye enfermedades registradas en 429 especies de 37 géneros de leguminosas (por ejemplo *Aeschynomene*, *Centrosema*, *Desmodium*, *Leucaena*, *Macroptilium* y *Stylosanthes*) y en 667 especies de 31 géneros de gramíneas (por ejemplo, *Andropogon*, *Brachiaria*, *Digitaria*, *Panicum*, *Paspalum*, *Pennisetum* y *Setaria*), su distribución y una bibliografía exhaustiva de más de 300 referencias. Siendo ésta la primera lista de enfermedades criptogámicas en las plantas forrajeras tropicales, seguramente será una referencia valiosa para los especialistas en pasturas y funcionarios de cuarentena en los países tropicales, especialmente en aquellos donde actualmente se implementan programas de introducción de germoplasma forrajero.

INTRODUCCION

Hay grandes extensiones de tierra agrícola en los países tropicales en desarrollo de África, Asia y América Central y del Sur que sólo sirven para el pastoreo. Durante los últimos 20 años, la producción de pasturas tropicales ha aumentado en forma consistente a causa del mejoramiento de las pasturas naturales por la introducción de especies más productivas de gramíneas y leguminosas, especialmente en Australia y en varios países de América del Sur. Existe un gran potencial para aumentar la producción en otros países tropicales. Sin embargo, durante los últimos diez años, las enfermedades se han convertido en una limitación de creciente importancia para la producción de pasturas tropicales.

La mayoría de las especies de leguminosas y gramíneas forrajeras tropicales son silvestres y se sabe muy poco de ellas, tanto botánica como agrónomicamente. Aunque varias especies de géneros clave de leguminosas como *Aeschynomene*, *Centrosema*, *Desmodium*, *Leucaena*, *Macroptilium* y *Stylosanthes* y de gramíneas como *Andropogon*, *Brachiaria*, *Digitaria*, *Panicum*, *Paspalum*, *Pennisetum* y *Setaria*, ya han sido probadas como plantas forrajeras tropicales, hay entre ellas todavía una gran diversidad de géneros y especies que se consideran potencialmente importantes.

La diversidad de las plantas hospedantes se refleja en la diversidad de hongos patógenos registrados en las plantas forrajeras tropicales. Todas las partes de la planta pueden ser afectadas – las raíces, los tallos, las hojas y las inflorescencias. La mayor parte de los hongos patógenos, sin embargo, ha sido registrada en el follaje, donde causan una mayor pérdida directa en la producción animal.

En esta lista se incluyen sólo las enfermedades criptogámicas y las enfermedades criptogámicas potenciales de las especies forrajeras tropicales y no constituye una enumeración completa de todos los hongos observados en dichas especies. Las enfermedades bacterianas han sido presentadas en una lista por Bradbury (1986) en *Guide to Plant Pathogenic Bacteria* (publicado por CAB International) y se puede hallar una lista exhaustiva de nematodos asociados con especies forrajeras tropicales en *Nematodes of Forage Legumes and Grasses* de Stanton y Rizo (1988) (co-publicación de CAB International y CIAT). La información actualmente disponible sobre los virus que afectan las especies forrajeras tropicales es incompleta. Se necesitan más estudios comparativos y de caracterización para poder compilar una lista definitiva. En este trabajo no se ha intentado indicar la importancia relativa de las enfermedades causadas por hongos, ya que no se dispone de información sobre muchas especies forrajeras. Las enfermedades más perjudiciales de las principales especies forrajeras han sido bien documentadas en las referencias 100, 153, 155, 156, 160, 161, 163, 165 y 275.

Esta lista recalca las enfermedades de las especies forrajeras de las áreas tropicales bajas. Se incluyen varias especies, como *Cynodon dactylon* y *Pennisetum clandestinum*, ampliamente extendidas en las zonas subtropicales y en las tierras tropicales altas, porque el autor no conoce otros trabajos detallados relativos a sus enfermedades fúngicas. También se incluyen las enfermedades de varias especies de millo (por ejemplo, millo japonés *Echinochloa frumentacea*, millo común *Panicum miliaceum*, millo perla *Pennisetum typhoides* y millo cola de zorra *Setaria italica*, porque en algunos países estas especies se usan directamente como forraje y por la importancia que tienen sus rastrojos como alimento animal en muchos países en desarrollo.

Desde 1922, el *International Mycological Institute* ofrece un servicio de identificación de hongos asociados con problemas agrícolas, y especialmente con problemas patológicos. Este banco de datos incluye más o menos 350,000 referencias bibliográficas relativas a más o menos 30,000 especies que se hallan bien documentadas e indizadas por especies y plantas hospedantes. Esta colección bibliográfica se completa con una colección in vitro de las diferentes razas de hongos. Nuestra lista incluye muchos de esos registros, así como registros personales del autor, registros australianos y registros provenientes de numerosas búsquedas bibliográficas. Vale la pena insistir sobre la necesidad de verificar todos los informes bibliográficos de patógenos de las plantas forrajeras

tropicales. Los índices de plantas hospedantes de *Sylloge Fungorum* de Saccardo y el *Index of Fungi* de Petrak no han sido utilizados en la preparación de esta lista.

Esta lista constituirá seguramente una valiosa referencia que ayudará a los especialistas en plantas forrajeras en la identificación de enfermedades y a los funcionarios de cuarentena a evitar la introducción de nuevas enfermedades.

AGRADECIMIENTOS

Deseo agradecer a las siguientes instituciones y colegas por su ayuda y apoyo durante la preparación de esta lista: Centro International de Agricultura Tropical, CIAT, por su asistencia general; CAB International Mycological Institute por facilitar el acceso a sus registros inéditos y por las búsquedas bibliográficas; Dr. Brian Sutton por su asistencia y consejo con respecto a la nomenclatura fúngica; Dr. John Walker por facilitar el acceso a los registros inéditos de DAR, Rydalmere, Nueva Gales del Sur, Australia; Dr. John Alcorn por facilitar el acceso a la base de datos bibliográficos del DPI, Indooroopilly, Queensland, Australia; Sra. Constanza de Téllez, por su dedicada asistencia secretarial, especialmente durante las primeras etapas de preparación; Dr. David Wood por su asesoría en nomenclatura de plantas hospedantes y por su estímulo durante la fase final.

SOMMAIRE

Cette liste mondiale des maladies cryptogamiques des plantes fourragères tropicales reprend de nombreux registres inédits de l'International Mycological Institute des registres appartenant à l'auteur et des registres provenant recherches exhaustives d'information. Cette liste inclus les maladies répertoriées chez 429 espèces parmi 37 genres de légumineuses (p. ex. *Aeschynomene*, *Centrosema*, *Desmodium*, *Leucaena*, *Macroptilium* et *Stylosanthes*) et chez 667 espèces parmi 31 genres de graminées (p. ex. *Andropogon*, *Brachiaria*, *Digitaria*, *Panicum*, *Paspalum*, *Pennisetum* et *Setaria*), sa distribution et une bibliographie exhaustive de plus de 300 références. Cette liste – la première publiée sur les maladies cryptogamiques des plantes fourragères tropicales, représentera certainement un ouvrage de référence précieux pour les spécialistes en fourrage et les employés des bureaux de quarantaine des pays tropicaux, en particulier ceux dans lesquels s'implantent actuellement des programmes d'introduction de "germoplasme" de plantes fourragères.

INTRODUCTION

De grandes superficies de terre agricole des pays tropicaux en voie de développement d'Afrique, Asie, Amérique Centrale et Amérique du Sud servent uniquement comme pâturage. Durant les 20 dernières années, la production de plantes fourragères a constamment augmentée suite à l'amélioration des pâturages naturels grâce à l'introduction d'espèces de graminées et/ou de légumineuses plus productives, plus spécialement en Australie et dans divers pays d'Amérique du Sud. Il existe un grand potentiel d'augmenter la production dans d'autres pays tropicaux. Néanmoins, durant les dix dernières années les maladies se sont révélées être un facteur limitant d'importance croissante pour la production de plantes fourragères tropicales.

La plupart des espèces de légumineuses et de graminées fourragères tropicales sont sauvages et par conséquent sont peu connues du point de vue botanique et agronomique. Bien que plusieurs espèces des principaux genres de légumineuses comme *Aeschynomene*, *Centrosema*, *Desmodium*, *Leucaena*, *Macroptilium* et *Stylosanthes* et de graminées comme *Andropogon*, *Brachiaria*, *Digitaria*, *Panicum*, *Paspalum*, *Pennisetum* et *Setaria* aient été évaluées comme plantes fourragères tropicales, il existe toujours une grande diversité de genres et espèces qui est considérée comme potentiellement importante.

La diversité des plantes hôtes se reflète sur la diversité des pathogènes observés sur les plantes fourragères tropicales. Tous les organes de la plante peuvent être affectés – racines, tiges, feuilles et inflorescences. Toutefois la plupart des pathogènes fongiques ont été observés sur le feuillage où ils occasionnent d'importantes pertes directes sur la production animale.

Cette liste concerne les maladies cryptogamiques et les potentielles maladies cryptogamiques d'espèces fourragères tropicales; ce n'est pas une énumération complète de tous les cryptogammes observées sur ces espèces. Dans tous les cas, c'est la forme du champignon provoquant les symptômes les plus courants de la maladie qui est utilisé. Les maladies bactériennes ont été publiées par Bradbury (1986) dans le *Guide to Plant Pathogenic Bacteria* (édité par CAB International) et une liste exhaustive a été publiée par Stanton & Rizo (1988) dans *Nematodes of Forage Legumes and Grasses* (Co-publication du CAB International et du CIAT). La documentation actuellement disponible sur les virus qui touchent aux espèces fourragères tropicales est incomplète. Des études complémentaires de comparaison et de caractérisation sont nécessaires pour pouvoir compiler une liste définitive.

L'intention de ce travail n'est pas de discuter de l'importance relative des maladies cryptogamiques puisqu'il existe très peu d'information sur de nombreuses espèces fourragères. Les maladies les plus nuisibles des principales espèces fourragères ont déjà été documentées en détail dans les références suivantes: 100, 153, 155, 156, 160, 161, 163, 165 et 275.

Cette liste met l'accent principalement sur les maladies des espèces fourragères des régions tropicales de basses altitudes. Cependant la liste inclut également plusieurs espèces, comme *Cynodon dactylon* et *Pennisetum clandestinum*, qui sont distribuées partant dans les zones subtropicales et dans les régions tropicales de hautes altitudes, parce que l'auteur ne connaît pas d'autres travaux relatifs à leurs maladies cryptogamiques. La liste comprend aussi les maladies de plusieurs espèces de millet (p. ex. le millet japonais *Echinochloa frumentacea*, le millet commun *Panicum miliaceum*, le millet perle *Pennisetum typhoides* et le millet queue de renard *Setaria italica*) car dans certains pays elles sont utilisées directement comme fourrage et dans beaucoup de pays en voie de développement les chaumes servent comme aliment pour les animaux.

Depuis 1922, l'*International Mycological Institute* pourvoit un service d'identification de cryptogammes associés à des problèmes agricoles et plus particulièrement à la phytopathologie. Cette banque de données renferme plus ou moins 350.000 références bibliographiques concernant environ 30.000 espèces qui sont bien documentées et indexées sur les espèces et les plantes hôtes. Cette collection bibliographique est complétée par une collection "in vitro" regroupant les différentes souches de champignons. Notre liste reprend plusieurs de ces registres, des registres

appartenants à l'auteur, des registres australiens ainsi que des registres provenant de nombreuses recherches bibliographiques. Il nous faut insister sur la nécessité de vérifier tous les rapports bibliographiques sur les pathogènes des plantes fourragères tropicales. Les indexes de plantes hôtes de *Sylogae Fungorum* de Saccardo et l'*Index of Fungi* de Petrak n'ont pas été utilisés dans la préparation de notre liste.

Cette liste serait un ouvrage de référence précieux, soit pour les spécialistes en plantes fourragères pour l'identification des maladies soit pour les employés des bureaux de quarantaine pour éviter l'introduction de nouvelles maladies.

REMERCIEMENTS

Je voudrais remercier ici les institutions et les collègues suivants de leur aide et leur soutien durant la préparation de cette liste: Centro Internacional de Agricultura Tropical, CIAT, de son assistance générale, International Mycological Institute d'avoir rendu possible l'accès à leurs registres inédits et pour les recherches bibliographiques, Dr. Brian Sutton de son soutien et ses conseils sur la nomenclature des cryptogames, Dr. John Walker d'avoir rendu possible l'accès aux registres inédits du DAR, Rydalmere, La Nouvelle Galles du Sud, Australia. Dr. John Alcorn d'avoir rendu possible l'accès à la banque de données bibliographiques du DPI, Indooroopilly, Queensland, Australia, Mme. Constanza de Téllez du temps qu'elle a consacré au secrétariat, en particulier les phases premières de la préparation, et Dr. David Wood de ses conseils sur la nomenclature des plantes hôtes et de ses encouragements pendant la phase finale.

AESCHYNOMENE

Aeschynomene americana L. (jointvetch, antejuela, dormidera, hierba rosario)

Botrytis cinerea Pers., head blight, Australia (27), Zimbabwe (99), stem rot, Australia (299); *Cercospora* sp., leaf, stem and pod spot, Colombia (275), Malaysia (99), USA (275); *Colletotrichum gloeosporioides* (Penz.) Penz. & Sacc., leaf spot and stem blight, Australia (298), Bolivia, Brazil, Colombia, Costa Rica, Ecuador, Panama, Peru (153, 275), USA (159, 275), Venezuela (153, 275); *C. truncatum* (Schwein.) Andrus & Moore, leaf spot, USA (159); *Cochliobolus pallescens* (Tsuda & Ueyama) Sivan., foliar blight, Cuba (99); *Fusarium* sp., seed associate, Cuba (99); *Oidium* sp., powdery mildew, Australia (299), Cuba (99), USA (275); *Phakopsora aeschynomenes* (Arthur) Bull., rust, Colombia (49, 125), Venezuela (121, 278); *Phakopsora diehlii* Cummins, rust, Costa Rica (147); *Rhizoctonia solani* Kühn, foliar blight, Brazil, Colombia, Peru, USA (275); *Sclerotium sclerotiorum* (Lib.) de Bary, stem rot, Australia (299); *Uropyxis* sp., rust, Barbados (200), Guatemala, Mexico (60)

Aeschynomene abyssinica (A. Rich.) Vatke

Uropyxis wiehei Cummins, rust, Malawi (55, 99); *Uropyxis* sp., rust, Malawi (55)

Aeschynomene brasiliana (Poiret) DC.

Colletotrichum gloeosporioides (Penz.) Penz. & Sacc., leaf spot and stem blight, Bolivia, Brazil, Colombia, Costa Rica, Ecuador, Panama, Peru, Venezuela (275); *Polythrincium* sp., leaf blotch, Brazil, Colombia (275); *Rhizoctonia solani* Kühn, foliar blight, Brazil, Colombia, Peru (275)

Aeschynomene deightonii Hepper

Meliola bicornis Winter, sooty mould, Sierra Leone (99)

Aeschynomene falcata (Poiret) DC. (jointvetch)

Cercospora aeschynomenes Müller & Chupp, leaf spot, Brazil (53); *Colletotrichum gloeosporioides* (Penz.) Penz. & Sacc., leaf and stem spot, Australia (204); *Colletotrichum* sp., leaf spot and stem blight, Australia (299); *Curvularia protuberata* Nelson & Hodges, associated with *Colletotrichum* stem lesions, Australia (299)

Aeschynomene histrix Poiret

Colletotrichum gloeosporioides (Penz.) Penz. & Sacc., dieback and leaf spot, Bolivia, Brazil, Colombia, Costa Rica, Ecuador, Panama, Peru, Venezuela, USA (275); *Diaporthe phaseolorum* (Cooke & Ell.) Sacc., dieback, West Indies (99); *Phomopsis* sp., dieback, Trinidad (99); *Rhizoctonia solani* Kühn, foliar blight, Brazil, Colombia, Peru (275)

Aeschynomene indica L. (budda pea)

Botrytis cinerea Pers., stem rot, Australia (299); *Colletotrichum gloeosporioides* (Penz.) Penz. & Sacc., stem spot, Australia (298), USA (159); *C. truncatum* (Schwein.) Andrus & Moore, leaf spot, USA (159); *Entyloma* sp., leaf smut, Malawi (99, 307); *Erysiphe pisi* DC., powdery mildew, India (99); *Oidium* sp., powdery mildew, Australia (299); *Peronospora* sp., downy mildew, Australia (299); *Physoderma aeschynomenes* Thirum. & Whitehead, leaf spot, India (99); *Polythrincium* sp., leaf blotch, Colombia (275)

Aeschynomene nyassana Taubert

Parodiella hedysari (Schwein.) S. Hughes, leaf mould, Zimbabwe (99); *P. paraguayensis* Speg., leaf mould, Zimbabwe (95)

Aeschynomene paniculata Vogel

Calonectria sp., stem dieback, Peru (275); *Colletotrichum gloeosporioides* (Penz.) Penz. & Sacc., leaf and stem spot, Bolivia, Brazil, Colombia, Ecuador, Peru, USA, Venezuela (275); *C. truncatum* (Schwein.) Andrus & Moore, leaf and stem spot, Brazil, Colombia, Ecuador, Panama, Peru, USA, Venezuela (275); *Rhizoctonia solani* Kühn, foliar blight, Brazil, Colombia, Peru (147)

Aeschynomene sensitiva Sw. (balsillo, yerba de ciénaga)

Colletotrichum gloeosporioides (Penz.) Penz. & Sacc., leaf and stem spot, Bolivia, Brazil, Colombia, Ecuador, Peru, Venezuela (275); *C. truncatum* (Schwein.) Andrus & Moore, leaf and stem spot, Bolivia, Brazil, Colombia, Ecuador, Peru, USA, Venezuela (147); *Phakopsora aeschynomenes* (Arthur) Bull., rust, Colombia (49, 125)

Aeschynomene trigonocarpa Baker f.

Uropyxis daleae (Dietel & Holway) Magnus var. *africana* J. W. Baxter, rust, Zambia (99); *U. wiehei* Cummins, rust, Zambia (99)

Aeschynomene virginica (L.) BSP

Colletotrichum gloeosporioides (Penz.) Penz. & Sacc., leaf spot, Brazil, Colombia (275), USA (268, 275)

Aeschynomene sp.

Colletotrichum truncatum (Schwein.) Andrus & Moore, leaf spot, USA (159); *Entyloma* sp., foliar smut, Malawi (219, 307); *Oidium* sp., powdery mildew, Venezuela (99); *Uropyxis wiehei* Cummins, rust, Malawi (219); *Uropyxis* sp., rust, Fiji (78), Malawi (307)

ALYSICARPUS***Alysicarpus glumaceus*** (Vahl) DC.

Sphaerotheca fuliginea (Schlecht.) Poll., smut, India (99); *Uromyces alysicarpi* Wakef. & Hansf., rust, Uganda (99)

Alysicarpus longifolius Wight & Arn.

Leveillula taurica (Lév.) Arnaud, powdery mildew, India (99), Pakistan (99, 127)

Alysicarpus monilifer (L.) DC.

Cochliobolus eragrostidis (Tsuda & Ueyama) Sivan., leaf spot, India (99); *Phoma anguina* Berk. & M. A. Curtis, leaf spot, India (99); *Synchytrium cookii* Lingappa, false rust/wart, India (99); *Synchytrium* sp., false rust/wart, India (99); *Uromyces alysicarpi* Wakef. & Hansf., rust, India (269)

Alysicarpus rugosus (Willd.) DC.

Colletotrichum gloeosporioides (Penz.) Penz. & Sacc., leaf spot and stem canker, USA (75); *C.*

truncatum (Schwein.) Andrus & Moore, leaf spot and stem canker, USA (75); *Phoma anguina* Berk. & M. A. Curtis, leaf spot, India (99)

Alysicarpus vaginalis (L.) DC. (alyce clover, trébol alicia)

Cercospora alysicarpi Munjal, Lall & Chona, leaf spot, India (99); *Colletotrichum gloeosporioides* (Penz.) Penz. & Sacc., leaf spot, Australia (298), Bolivia, Brazil (147); *Erysiphe polygoni* DC., powdery mildew, USA (75); *Leptosphaerulina trifolii* (Rostrup) Petrak, leaf spot, India (99); *Parodiella hedsari* (Schwein.) S. Hughes, leaf mould, India (99); *Phoma anguina* Berk. & M. A. Curtis, leaf spot, India (99); *Phoma* sp., leaf spot, USA (75); *Synchytrium alysicarpi* T. S. Ramakr. & Sundar., false rust, India (231); *S. cookii* Lingappa, false rust/wart, India (99)

Alysicarpus zeyheri Harvey

Colletotrichum truncatum (Schwein.) Andrus & Moore, leaf spot, Zambia (99); *Uromyces alysicarpi* Wakef. & Hansf., rust, Zambia (99)

Alysicarpus sp.

Cercospora alysicarpi Munjal, Lall & Chona, leaf spot, India (99); *Colletotrichum truncatum* (Schwein.) Andrus & Moore, leaf spot, India (99); *Curvularia clavata* B. L. Jain, leaf spot, India (99); *Parodiella hedsari* (Schwein.) S. Hughes, leaf mould, India (99); *Pseudocercospora* sp., leaf spot, India (99); *Uromyces alysicarpi* Wakef. & Hansf., rust, India (99), Malawi (26), Uganda (99)

ANDROPOGON

Andropogon abyssinicus Fresen.

Puccinia eritreaensis Pazschke, rust, Ethiopia (99); *Sphacelia sorghi* McRae, ergot, Ethiopia (99)

Andropogon africanus Franchet

Colletotrichum graminicola (Ces.) Wilson, anthracnose, Guinea (99); *Ophiobolus herpotrichus* (Fr.) Sacc., sheath rot, Malaysia (99); *Phyllachora setariicola* Speg., tar spot, Guinea (99)

Andropogon amplexans Nees (blue grass, pasto azul)

Balansia andropogonis H. Sydow & Sydow, false smut, Bengal (3); *B. henningsiana* (Moell.) Diehl, false smut, Zambia (99); *B. sclerotica* (Pat.) Höhnel, false smut, Zambia (99); *Mycosphaerella spilota* H. Sydow, leaf spot, Zambia (99); *Puccinia eritreaensis* Pazschke, rust, Zambia (99); *Sphacelotheca andropogonis* (Opiz) Bubák, smut, Malawi, Zambia (99); *Uromyces clignyi* Pat. & Har., rust, Malawi (99, 219), Zambia (99)

Andropogon auriculatus Stapf

Puccinia eucomi Doidge, rust, South Africa (99); *Sphacelotheca andropogonis* (Opiz) Bubák, smut, Sierra Leone (99)

Andropogon bicornis L. (rabo de zorro, barbas de indio, cola de caballo)

Curvularia sp., leaf spot, Colombia (99); *Didymella* sp., leaf spot, Venezuela (99); *Hendersonia culmicola* Sacc., leaf spot, Venezuela (99); *Lophodermium arundinaceum* (Schrad.) Chev., leaf blight, Costa Rica (279); *Meliola panici* Earle, sooty mould, Dominican Republic (99), Puerto Rico, West Indies (281); *Myriogenospora atramentosa* (Berk. & M. A. Curtis) Diehl, tangle top, Puerto Rico, West Indies (281); *Phoma sorghina* (Sacc.) Boerema, Dorenb. & van Kest., leaf spot,

Colombia (147); *Phoma* sp., leaf spot, Colombia (99); *Puccinia kaernbachii* (Henn.) Arthur, rust, Trinidad & Tobago (22); *P. posadensis* Sacc. & Trotter, rust, Trinidad (99); *Phyllachora americana* Parbery, tar spot, Puerto Rico, Venezuela, West Indies (281); *P. quadraspora* Tehon, tar spot, Dominican Republic, Puerto Rico, West Indies (281); *Tolyposporella brunkii* (Ell. & Gall.) Clint., smut, Dominican Republic, Mexico, Puerto Rico (283); *Uredo rubida* Arthur & Holway, rust, Venezuela (50, 278); *Ustilago bicornis* Henn., smut, Brazil (256); *U. culmiperda* Henn., smut, Brazil (256)

***Andropogon chinense* (Nees) Merr.**

Claviceps purpurea (Fr.) Tul., ergot, Bengal (3), Kenya (197); *Phyllachora assimilis* Theiss. & H. Sydow, tar spot, Kenya (197); *Phyllachora* sp., tar spot, Malawi (55); *Puccinia eritraensis* Pазschke, rust, Bengal (3), Malawi (26), Zimbabwe (99)

***Andropogon elliotii* Chapman**

Phyllachora americana Parbery, tar spot, Brazil (211)

***Andropogon eucomus* Nees**

Puccinia eucomi Doidge, rust, South Africa (99)

***Andropogon furcatus* H. L. Muehlenb.**

Phyllachora luteo-maculata (Schwein.) Ort., tar spot, USA (213); *Puccinia andropogonis* Schwein., rust, USA (17); *P. ellisiana* Thüm., rust, USA (17); *P. tripsaci* Dietel & Holway, rust, USA, Mexico (17); *Sorosporium ellisii* Winter, smut, USA (99); *Sphacelotheca occidentalis* (Seym.) Clint., smut, USA (99)

***Andropogon gabonensis* Stapf**

Cerebella andropogonis Ces., false smut, Sierra Leone (99); *Colletotrichum graminicola* (Ces.) Wilson, leaf spot, Sierra Leone (99); *Cochliobolus cymbopogonis* Hall & Sivan., leaf spot, Sierra Leone, (99); *Phyllachora ischaemi* H. Sydow & Sydow, tar spot, Sierra Leone (99); *Puccinia eritraensis* Pазschke, rust, Ghana (99); *Sorosporium pretoriaense* Zundel, smut, Sierra Leone (99); *Sphacelotheca andropogonis* (Opiz) Búbak, smut, Sierra Leone (99); *Ustilago* sp., smut, Sierra Leone (99)

***Andropogon gayanus* Kunth (gamba grass, andropogon, azul de Rodesia, pasto Carimagua)**

Alternaria tenuissima (Fr.) Wiltsh., leaf spot, Colombia (156); *Ascochyta graminicola* Sacc., foliar blight, Zimbabwe (35, 156); *A. hordeicola* Punith., leaf spot, Zambia (99); *Balansia sclerotica* (Pat.) Höhnelt, false smut, Nigeria (99); *Beniowskia sphaeroidea* (Kalchbr. & Cooke) Mason, false mildew, Sierra Leone (99); *Cerebella andropogonis* Ces., false smut, Ghana (35, 156), Zambia (99, 156), Zimbabwe (240); *Claviceps* sp., ergot, Colombia (147), Zambia (99), Zimbabwe (240); *Curvularia* sp., leaf spot, Colombia (156); *Drechslera* sp., leaf spot, Brazil, Colombia, Cuba, Ecuador, Panama, Peru, Venezuela (156); *Fusarium* sp., seed associate, Colombia (156); *Magnaporthe grisea* (Herbert) M. E. Barr, leaf spot, Colombia (156); *Monilia* sp., wilt, Ghana, Nigeria (99); *Mycosphaerella spilota* H. Sydow, foliar blight, Ghana, Nigeria, Sierra Leone (35, 99, 156); *Myriogenospora* sp., crazy top, Brazil, Colombia, Nigeria, Peru, Venezuela (156); *Nigrospora sphaerica* (Sacc.) Mason, leaf spot, Sierra Leone (99); *Nigrospora* sp., leaf spot, Colombia (156); *Periconia* sp., leaf spot, Nigeria (156); *Phoma* sp., leaf spot, Nigeria (156); *Phomopsis* sp., leaf spot, Nigeria (156); *Phyllachora assimilis* Thiess. & H. Sydow, tar spot, Sudan (283); *P. ischaemi* H. Sydow & Sydow, tar spot, Sierra Leone, Sudan (99); *Pirostoma* sp., leaf spot, Tanzania (99); *Puccinia agrophila* H. Sydow, rust, Gambia, Guinea (99), Nigeria (73, 99), Sierra Leone (99); *P. eritraensis* Pазschke, rust, Malawi (219), Nigeria, Sudan, Sierra Leone (99, 156); *P. versicolor*

Dietel & Holway, rust, Ghana (97), Guinea (99), Malawi (26, 307), Nigeria, Sierra Leone (99, 156), Zimbabwe (99, 240); *Rhynchosporium oryzae* Hash. & Yokogi, zonate leaf spot, Brazil (156, 222), Colombia (156); *Sclerotium* sp., wilt, Sudan (99); *Scolecosporiella kranzii* B. Sutton, leaf spot, Guinea (99); *Sorosporium wildemanianum* Henn., smut, Congo (35); *Sphacelotheca andropogonis* (Opiz) Bubák, smut, Zimbabwe (240); *S. ischaemicola* Ling, smut, Sudan (35, 99); *Sphacelia* sp., ergot, Ghana (35); *Tolyposporium* sp., smut, Nigeria (99); *Uredo andropogonis-gayani* Eboh, rust, Nigeria (73, 156)

Andropogon gerardii Vitman (big bluestem grass)

Ascochyta brachypodii (Sydow) Sprague & Johnson, leaf spot, USA (75, 317); *Claviceps purpurea* (Fr.) Tul., ergot, USA (75); *Phyllachora americana* Parbery, tar spot, USA (75); *P. luteo-maculata* (Schwein.) Ort., tar spot, USA (75, 99); *Puccinia andropogonis* Schwein., rust, USA (75); *Septoria andropogonis* Davies, leaf spot, USA (75); *Sorosporium everhartii* Ell. & Gall., smut, USA (75); *Tolysporum andropogonis* Patel & Kulkarni, smut, India (99); *Uromyces andropogonis* Tracy, rust, USA (75)

Andropogon glomeratus (Walt.) BSP (bluestem)

Phyllachora americana Parbery, tar spot, Puerto Rico (281), USA (75), Venezuela, West Indies (281); *Puccinia andropogonis* Schwein., rust, USA (75); *P. ellisiana* Thüm., rust, Mexico, Puerto Rico, West Indies (281); *Sorosporium ellisii* Winter, smut, USA (75); *S. everhartii* Ell. & Gall., smut, USA (75); *Sphacelotheca occidentalis* (Seym.) Clint., smut, USA (75); *Uromyces andropogonis* Tracy, rust, India (99), USA (75)

Andropogon hallii Hackel

Phyllachora luteo-maculata (Schwein.) Ort., tar spot, USA (75); *Puccinia andropogonis* Schwein., rust, USA (75, 99); *P. andropogonis* Schwein. var. *pustulata* Arthur, rust, USA (99); *Sorosporium provinciale* (Ell. & Gall.) Clint., smut, USA (75, 99); *Sphacelotheca occidentalis* (Seym.) Clint., smut, USA (75, 99)

Andropogon hirtifolius (Nees) Kunth

Sphacelotheca andropogonis-hirtifolii (Henn.) Clint., smut, Mexico (99); *Uromyces clignyi* Pat. & Har., rust, Ethiopia, Guatemala (280), Mexico (99), Niger (280); *Ustilago andropogonis-hirtifolii* Henn., smut, Mexico (280)

Andropogon ischaemum L.

Cerebella andropogonis Ces., false smut, Romania (99); *Phyllachora fallax* Sacc., tar spot, Austria (280), Italy (99); *Puccinia cesatii* Schröter, rust, Italy, Romania (280); *Uromyces clignyi* Pat. & Har., rust, India (99)

Andropogon lindiensis Pilger

Mycosphaerella spilota H. Sydow, zonate leaf blotch, Tanzania (72); *Phyllosticta* sp., leaf spot, Tanzania (72); *Septoria andropogonis* Davies, leaf spot, Tanzania (72)

Andropogon leucostachyus HBK

Balansia henningsiana (Moell.) Diehl, false smut, Mexico, Puerto Rico, West Indies (281); *Meliola panici* Earle, sooty mould, Puerto Rico, West Indies (281); *Phyllachora quadraspora* Tehon, tar spot, Dominican Republic, Puerto Rico, West Indies (281); *Ustilago leucostachyus* Henn., smut, Brazil (280)

***Andropogon muricatum* Retz.**

Sphacelotheca taiana (H. Sydow) Ling, smut, China (99); *Ustilago effusa* H. Sydow & Sydow, smut, India (280)

***Andropogon nutans* L.**

Puccinia virgata Ell. & Everh., rust, USA (99)

***Andropogon perforatus* Fourn.**

Uromyces andropogonis Tracy, rust, Bolivia (76), Peru (83)

***Andropogon pertusus* (L.) Willd.**

Cerebella andropogonis Ces., false smut, Burma, Cuba, Jamaica (99), Sri Lanka 280); *Puccinia duthiae* Ell. & Tracy, rust, India (280); *Sphaerotheca ischaemi* (Fuckel) Clint., smut, Mexico, Puerto Rico (281); *Uromyces clignyi* Pat. & Har., rust, Barbados (200); *Ustilago leucostachyus* Henn., smut, Brazil (256)

***Andropogon saccharoides* Sw.**

Puccinia meridensis Kern, rust, Venezuela (121, 278); *Sphacelotheca andropogonis-hirtifolii* (Henn.) Clint., smut, Bolivia (76); *Uromyces andropogonis* Tracy, rust, Bolivia (76)

***Andropogon schirensis* A. Rich.**

Cerebella andropogonis Ces., false smut, Uganda (99); *Phakopsora incompleta* (H. Sydow & Sydow) Cummins, rust, Uganda (99); *Phyllachora* sp., tar spot, Burundi (99); *Puccinia eritraeensis* Pazschke, rust, Zimbabwe (95, 99, 240); *Sphacelotheca andropogonis* (Opiz) Bubák, smut, Malawi (219); *Uromyces clignyi* Pat. & Har., rust, Congo (99), Malawi (26, 99, 219), Sierra Leone (99)

***Andropogon scoparius* Michaux (little bluestem grass)**

Ascochyta brachypodii (Sydow) Sprague & Johnson, leaf spot, USA (317); *Myriogenospora* sp., crazy top, USA (69); *Phyllachora luteo-maculata* (Schwein.) Ort., tar spot, USA (211); *Puccinia andropogonis* Schwein., rust, USA (17); *P. ellisiana* Thüm., rust, USA (17); *Sorosporium ellisii* Winter, smut, USA (99); *S. everhartii* Ell. & Gall., smut, USA (99); *Uromyces andropogonis* Tracy, rust, USA (17)

***Andropogon serratus* Thunb.**

Uredo geniculata Cummins, rust, Papua New Guinea (99)

***Andropogon simiberbis* (Nees) Kunth**

Phyllachora quadraspora Tehon, tar spot, Dominican Republic, Puerto Rico, West Indies (281); *Puccinia ellisiana* Thüm., rust, USA (17); *P. versicolor* Dietel & Holway, rust, Mexico (99); *Puccinia* sp., rust, Venezuela (278); *Ustilago* sp., smut, Venezuela (278)

***Andropogon squarrosus* L. f. (pasto shama, pasto binna)**

Meliola panici Earle, sooty mould, Singapore (99); *Uromyces andropogonis* Tracy, rust, USA (17)

***Andropogon tectorum* Schum. & Thonn.**

Balansia henningsiana (Moell.) Diehl., false smut, Nigeria (99); *B. pallida* Winter, false smut, Sierra Leone (99); *B. sclerotica* (Pat.) Höhnelt, false smut, Sierra Leone (99); *Beniowskia sphaeroidea* (Kalchlb. & Cooke) Mason, false mildew, Sierra Leone (99); *Cerebella andropogonis* Ces., false smut, Sierra Leone (99); *Cercospora* sp., leaf spot, Nigeria (156); *Cochliobolus cymbopogonis* Hall & Sivan., leaf spot, Sierra Leone (99); *Curvularia deightonii* M. B. Ellis, foliar blight, Sierra Leone

(156); *Mycosphaerella spilota* H. Sydow, foliar blight, Sierra Leone (99); *Nigrospora sphaerica* (Sacc.) Mason, foliar blight, Sierra Leone (99); *Phyllachora fallax* Sacc., tar spot, Guinea (99); *P. ischaemi* H. Sydow & Sydow, tar spot, Sierra Leone (99); *Puccinia agrophila* H. Sydow, rust, Guinea, Nigeria, Sierra Leone (99); *P. eritraeensis* Pазschke, rust, Nigeria, Sierra Leone (99); *P. levis* var. *panici-sanguinalis* (Rangel) Ramachar & Cummins, rust, Nigeria (74); *P. versicolor* Diet. & Holway, rust, Ghana (97, 99, 156), Sierra Leone (99, 156); *Ramularia* sp., floury leaf spot, Sierra Leone (99); *Scolecosporiella kranzii* B. Sutton, leaf spot, Guinea (99); *Sorosporium wildemanianum* Henn., smut, Congo (35); *Sphaceotheca andropogonis* (Opiz) Bubák, smut, Gambia, Sierra Leone (99); *Uredo andropogonis-gayani* Eboh, rust, Nigeria (73); *Uredo* sp., rust, Nigeria (99, 304); *Ustilago amadelpa* H. Sydow & Sydow & E. Butler, smut, Nigeria (99, 304); *U. andropogonis-tectorum* Ling, smut, Ghana, Nigeria, Sierra Leone (35, 99)

***Andropogon tenarius* Michaux**

Puccinia andropogonis Schwein., rust, USA (17, 75); *Uromyces andropogonis* Tracy, rust, USA (17)

***Andropogon tuberculatus* Hackel**

Ustilago andropogonis-tuberculati Bref., smut, India (193)

***Andropogon virginicus* L. (broom-sedge)**

Claviceps purpurea (Fr.) Tul., ergot, USA (75); *Phyllachora americana* Parbery, tar spot, USA (75); *P. luteo-maculata* (Schwein.) Ort., tar spot, USA (75); *Puccinia andropogonis* Schwein., rust, USA (17, 75); *P. ellisiana* Thüm., rust, USA (17, 75); *Sorosporium ellisii* Winter, smut, USA (75); *S. everhartii* Ell. & Gall., smut, USA (75); *Sphacelotheca occidentalis* (Seym.) Clint., smut, USA (75); *Uromyces andropogonis* Tracy, rust, USA (17, 75)

***Andropogon zizanioides* var. *nigritanus* (Benth.) A. Chev.**

Anthostomella miscanthea Sacc., leaf spot, Papua New Guinea (99); *Coniothyrium* sp., leaf spot, Sierra Leone (99); *Myrothecium cinctum* (Corda) Sacc., leaf spot, Papua New Guinea (99); *Nigrospora sphaerica* (Sacc.) Mason, leaf spot, Papua New Guinea (99); *Periconia echinoclaoe* (Bat.) M. B. Ellis, leaf spot, Papua New Guinea (99)

***Andropogon* sp.**

Ascochyta graminicola Sacc., foliar blight, Zambia (156); *A. zeina* Sacc., foliar blight, Ethiopia (147); *Balansia pallida* (Pat.) Höhnelt, false smut, China, India, Philippines (99); *B. sclerotica* (Pat.) Höhnelt, false smut, China (99), India (99, 231), Nigeria (99); *B. sessilis* Henn., false smut, Africa (280); *Cerebella andropogonis* Ces., false smut, Sri Lanka (99); *Cintractia vanderystii* (Henn.) Zundel, smut, Nicaragua (169); *Claviceps purpurea* (Fr.) Tul., ergot, Bengal (3); *Colletotrichum graminicola* (Ces.) Wilson, anthracnose, Ghana (97), Togo (99); *Curvularia deightonii* M. B. Ellis, foliar blight, Nigeria (147); *Curvularia* sp., foliar blight, Sudan (283); *Hendersonia* sp., leaf spot, Malaysia (99); *Khuskia oryzae* Hudson, leaf spot, Sudan (99); *Meliola panici* Earle, sooty mould, Dominican Republic (99), Puerto Rico, West Indies (281); *Mycosphaerella spilota* H. Sydow, leaf spot, USA (174); *Myriogenospora atramentosa* (Berk. & M. A. Curtis) Diehl, crazy top, USA (69); *Myriogenospora* sp., crazy top, USA (69); *Nigrospora* sp., leaf spot, Malaysia (147); *Periconia sacchari* Johnston, leaf spot, Ghana (98, 99); *Peronosclerospora noblei* (Weston) C. G. Shaw, downy mildew, Australia (65); *Phoma sorghina* (Sacc.) Boerema, Dorenbosch & van Kesteren, leaf spot, Sri Lanka (99); *Phyllachora americana* Parbery, tar spot, Brazil (211); *P. andropogonis* Karst. & Har., tar spot, Indonesia (211, 280), Philippines, Sri Lanka (280); *P. assimilis* Theiss. & H. Sydow, tar spot, Bengal (99); *P. brevifolia* Chardon, tar spot, Venezuela (278); *P. fallax* Sacc., tar spot, Ghana (99); *P. fusispora* Chardon, tar spot, Brazil (211); *P. graminis* (Pers.) Fuckel, tar spot,

India (231); *P. ischaemi* H. Sydow & Sydow, tar spot, Kenya (99); *P. luteo-maculata* (Schwein.) Ort., tar spot, USA (211), Venezuela (278); *P. quadraspora* Tehon., tar spot, Trinidad & Tobago (22); *P. rostellispora* Parbery, tar spot, Brazil (211); *Phyllachora* sp., tar spot, Malawi (307), Sudan (283); *Puccinia agrophila* H. Sydow, rust, Gambia, Nigeria, Sierra Leone, South Africa (99); *P. andropogonicola* Har. & Pat., rust, Congo (280), Sudan (99); *P. andropogonis-hirta* Beltran, rust, Cyprus (99); *P. duthiae* Ell. & Tracy, rust, China, India (99); *P. eritraeensis* Pазschke, rust, Ethiopia (99), Malawi (307), Sudan (99); *P. eucomi* Doidge, rust, South Africa (99); *P. kaernbacii* (Henn.) Arthur, rust, Dominican Republic, Grenada (22), Venezuela (121, 278); *P. nakanishikii* Dietel, rust, Uganda (99); *P. posadensis* Sacc. & Trotter, rust, Dominican Republic (99); *P. propinqua* H. Sydow, Sydow & E. Butler, rust, India (280); *P. versicolor* Dietel & Holway, rust, Ghana (97, 99), Malawi (55, 307), Mexico (99); *Ramulispora* sp., leaf spot, India (99); *Sphacelotheca andropogonis* (Opiz) Bubák, smut, Malawi (307); *S. andropogonis-annulati* (Bref.) Zundel, smut, India, Pakistan (127); *S. annulata* (Ell. & Everh.) Mundkur, smut, Uganda (99); *S. barcinonensis* Riofrio, smut, Malawi, Zambia (99); *S. guaranitica* (Speg.) Zundel, smut, Venezuela (50, 278); *S. macalpinei* Zundel, smut, Brazil, Venezuela (99); *S. stuhlmanni* Henn., smut, Africa, Tanzania (219), Venezuela (50); *S. superflua* (H. Sydow & Sydow) Zundel, smut, India (99); *S. tenuis* (H. Sydow & Sydow) Zundel, smut, India (99); *Sphacelotheca* sp., smut, Uganda, USA (235); *Sphacelia* sp., ergot, Ghana (99); *Sorosporium andropogonis-aciculati* (Petch) Petch, smut, Cambodia (167), Sri Lanka (99); *S. planagianum* Zundel, smut, South Africa (280); *S. geminellum* H. Sydow, Sydow & E. Butler, smut, India (193); *S. hotsonii* Zundel, smut, South Africa (280); *S. icosiense* Maire, smut, Israel, Morocco (280); *S. ischaemoides* (Henn.) Zundel, smut, Congo (280); *S. platense* Hirschhorn, smut, Argentina (280); *S. pseudomarquense* Zundel, smut, South Africa (280); *S. spermoidium* (Berk. & Broome) Ling, smut, Sri Lanka (280); *S. wildemannianum* Henn., smut, Congo (280); *S. syntherismae* (Peck) Farlow, smut, Colombia (202); *Tolyposporella irregularis* (Pазschke) Zundel, smut, Brazil (280); *Tolyposporium andropogonis* Patel & Kulkarni, smut, India (280); *T. ehrenbergii* var. *grandiglobum* (Kühn) Patel, Uppal & Patel, smut, India (280); *Uredo andropogonis-lepidi* Henn., rust, Africa (280); *U. andropogonis-zeylandicae* Petch, rust, Philippines (280); *U. schizachryii* Doidge, rust, South Africa (99); *U. tonkinensis* Henn., rust, Indonesia, Vietnam (99); *Uredo* sp., rust, Brazil (256), India (99); *Uromyces andropogonis* Tracy, rust, India (99); *U. clignyi* Pat. & Har., rust, Barbados (200), Dominican Republic, Ethiopia, Guatemala, India (99), Malawi (219, 307), Mexico (99), Nigeria (147), Uganda, Zambia (99); *Ustilago amadelpa* H. Sydow, Sydow & E. Butler, smut, India (99, 193); *U. andropogonis-tectorum* Ling, smut, Nigeria, Sierra Leone (99); *U. andropogonis-tuberculati* Bref., smut, India (99); *U. bicornis* Henn., smut, Brazil (256); *U. congensis* H. Sydow & Sydow, smut, Congo (280); *U. effusa* H. Sydow & Sydow, smut, India (99); *U. furcata* Pat. & Har., smut, West Africa (280); *U. globulifera* Sacc. & Trotter, smut, Congo (280); *U. nyassae* H. Sydow & Sydow, smut, Malawi (280); *U. occulta* Henn., smut, Brazil (280); *U. sanctae-catharinae* Zundel, smut, Brazil (99); *U. vanderysti* Henn., smut, Congo (280)

ARACHIS

Arachis glabrata Benth.

Cercospora arachidicola Hori, leaf spot, Brazil, Colombia (147); *Cercospora personata* (Berk. & M. A. Curtis) Ell. & Everh., leaf spot, Brazil, Colombia (147); *Colletotrichum gloeosporioides* (Penz.) Penz. & Sacc., anthracnose, Brazil, Colombia (147); *Leptosphaerulina arachidicola* Yen, Chen & Huang, pepper spot, Brazil, Colombia, Costa Rica, Peru, USA (147); *Puccinia arachidis* Speg., rust, Brazil (147); *Rhizoctonia solani* Kühn, blight, Brazil, Colombia, Peru (147); *Sphaceloma arachidis* Bitanc. & Jenk., scab, Brazil (147)

***Arachis hagenbeckii* Kuntze**

Cercospora canescens Ell. & Mart., leaf spot, Malawi (99)

***Arachis monticola* Krapov. & Rigoni**

Leptosphaerulina arachidicola Yen, Chen & Huang, pepper spot, USA (86)

***Arachis pintoi* Krapov. & D. Gregory**

Cercospora sp., leaf spot, Colombia (147); *Colletotrichum gloeosporioides* (Penz.) Penz. & Sacc., leaf and stolon lesions, Colombia (147); *C. truncatum* (Schwein.) Andrus & Moore, stolon dieback, Colombia (147); *Leptosphaerulina arachidicola* Yen, Chen & Huang, pepper spot, Colombia, Costa Rica, Ecuador, Peru (147); *Periconia* sp., leaf spot, Colombia (99, 147); *Rhizoctonia solani* Kühn, foliar blight, Brazil, Colombia, Costa Rica, Peru (147); *Sphaceloma arachidis* Bitanc. & Jenk., scab, Brazil, Colombia (147)

***Arachis pusilla* Benth. (mani de matorral)**

Colletotrichum gloeosporioides (Penz.) Penz. & Sacc., leaf spot, Australia (298); *Mycosphaerella arachidis* Deighton, leaf spot, Nigeria (99); *Myrothecium roridum* Fr., leaf spot, India (99)

***Arachis villosa* Benth.**

Cochliobolus lunatus Nelson & Haasis, leaf spot, Nigeria (99); *Colletotrichum capsici* (H. Sydow) E. Butler & Bisby, foliar blight, Nigeria (99); *Fusarium* sp., seed associate, Colombia (147)

AXONOPUS

***Axonopus affinis* Chase (narrow leaf carpet grass, carpeta, tapeta)**

Ascochyta subalpina Sprague & Johnson, foliar blight, USA (99); *Balansia strangulosa* (Mont.) Diehl, false smut, USA (75); *Bipolaris ravenelii* (M. A. Curtis) Shoem., sooty spike, USA (75); *Cercospora* sp., foliar blight, Australia (99); *Cerebella andropogonis* Ces., false smut, USA (12, 75); *Claviceps purpurea* (Fr.) Tul., ergot, USA (12); *Cochliobolus cynodontis* Nelson, foliar blight, Australia (99); *C. lunatus* Nelson & Haasis, leaf spot, Malaysia (261); *Colletotrichum graminicola* (Ces.) Wilson, anthracnose, Guyana (99), Mauritius (207, 306); *Colletotrichum sublineolum* Henn., anthracnose, Australia (99); *Drechslera* sp., leaf spot, Australia (99); *Fusarium heterosporum* Fr., head blight, USA (75); *Gnomonia iliau* Lyon, foliar blight, USA (12); *Helminthosporium* sp., leaf spot, USA (12); *Leptosphaeria korrae* J. Walker & A. M. Sm., root, crown and stolon rot, Australia (299); *Phoma sorghina* (Sacc.) Boerema, Dorenb. & van Kest., on glumes surrounding seed, Australia (299); *Rhizoctonia solani* Kühn, foliar blight and root rot, Malaysia (261), USA (12, 75); *Sorosporium paranensis* Hirsch., smut, USA (12, 75); *Tetraploa aristata* Berk. & Broome, leaf spot, Malaysia (261)

***Axonopus africanus* Beauv.**

Phyllachora setariicola Speg., tar spot, Guinea (212); *Pleospora* sp., leaf spot, Sierra Leone (99)

***Axonopus aureus* Beauv.**

Ophiobolus sp., sheath rot, Guinea (99); *Phyllachora punctum* (Schwein.) Ort. & Stev., tar spot, Guyana (99); *Phyllachora* sp., tar spot, Venezuela (278)

Axonopus chrysollepharis* (Lag.) ChasePuccinia levis* (Sacc. & Bizz.) Magnus, rust, Bolivia (76)***Axonopus compressus* (Sw.) Beauv.** (broad leaf carpet grass, savanna grass, alfombra, pasto argentina, trencilla, trensa)

Ascochyta sp., foliar blight, Cuba (99); *Cerebella andropogonis* Ces., false smut, Colombia (202), USA (75); *C. paspali* Cooke & Masee, false smut, Colombia (49); *Cochliobolus geniculatus* Nelson, leaf spot, Burma, Hong Kong (99), Jamaica (99, 146); *C. lunatus* Nelson & Haasis, leaf spot, Malaysia (99); *C. pallescens* (Tsuda & Ueyama) Sivan., leaf spot, Hong Kong (99), Jamaica (99, 146); *Colletotrichum graminicola* (Ces.) Wilson, anthracnose, Malaysia (99), Trinidad & Tobago (22), Vanuatu (99); *Coniothyrium* sp., leaf spot, Venezuela (99); *Gaeumannomyces graminis* (Sacc.) v. Arx & Olivier, sheath rot, Hong Kong (99); *Helminthosporium* sp., foliar blight, Jamaica (146), Puerto Rico (281); *Hendersonia crastophila* Sacc., leaf spot, Venezuela (99); *Leptosphaerulina korrae* J. Walker & A. M. Sm., root, crown and stolon rot, Australia (299); *L. trifolii* (Rostrup) Petrak, foliar blight, Venezuela (99); *Marasmius crinisequi* Kalchbr., black horse hair fungus, Papua New Guinea (250); *Myriogenospora atramentosa* (Berk. & M. A. Curtis) Diehl, crazy top, Puerto Rico, West Indies (281); *Nigrospora sphaerica* (Sacc.) Mason, leaf spot, Malaysia (99); *Phyllachora paspalicola* Henn., tar spot, Brazil (256), Colombia (49, 202); *Phyllosticta* sp., leaf spot, Papua New Guinea (99); *Physarum cinereum* (Batsch) Pers., slime mould, Papua New Guinea (99, 250), USA (75); *Physopella compressa* (Mains) Cummins & Ramachar, rust, Bolivia, Brazil (281), Jamaica (99, 146), Panama, Puerto Rico, Trinidad (281), USA (75); *Puccinia tubulosum* (Pat. & Guillierm.) Arthur, rust, Central America, Mexico, Trinidad, West Indies (280); *Rhizoctonia solani* Kühn, foliar blight, Brazil, Colombia, Peru (147), India (139), Malaysia (99, 261), Sierra Leone (99), USA (75); *Sclerospora macrospora* Sacc., downy mildew, Australia (257); *Setosphaeria turcica* (Luttr.) Leonard & Suggs, foliar blight, Bangladesh (99); *Tetraploa aristata* Berk. & Broome, leaf spot, Jamaica (146), Malaysia (99)

***Axonopus micay* Garc.- Barr.**

Botrytis sp., grey inflorescence mould, Colombia (147); *Cercospora* sp., foliar blight, Colombia (147); *Fusarium* sp., inflorescence blight, Colombia (147); *Rhizoctonia* sp., foliar blight, Brazil, Colombia, Peru (147)

Axonopus purpusii* (Metzg.) ChaseRhizoctonia solani* Kühn, foliar blight, Colombia (147)***Axonopus scoparius* (Flügge) Kuhn** (imperial grass, gramalote, hierba imperial)

Fusarium sp., inflorescence blight, Colombia (147); *Puccinia levis* (Sacc. & Bizz.) Magnus, rust, Bolivia (76), Colombia (147, 202); *Rhizoctonia solani* Kühn, foliar blight, Colombia (147)

Axonopus semialatus* (R. Br.) Hook.Phyllachora bonariensis* Speg., tar spot, South Africa (211)***Axonopus* sp.**

Alternaria alternata (Fr.) Keissler, leaf spot, Malaysia (99); *Cochliobolus lunatus* Nelson & Haasis, leaf spot, Bolivia (99); *Colletotrichum graminicola* (Ces.) Wilson, anthracnose, Bolivia (99); *Curvularia* sp., foliar blight, USA (235); *Gaeumannomyces graminis* (Sacc.) v. Arx & Olivier var. *graminis*, on stolons, Australia (299); *Leptosphaeria korrae* J. Walker & A. M. Sm., root, crown and stolon rot, Australia (299); *Myriogenospora* sp., crazy top, USA (69); *Nigrospora sphaerica* (Sacc.) Mason, foliar blight, Bolivia (99); *Phoma sorghina* (Sacc.) Boerema, Dorenb. & van Kest., on glumes surrounding seed, Australia (299)

BOTHRIOCHLOA

Bothriochloa ambigua S. T. Blake (red-leg grass)

Claviceps pusilla Ces., ergot, Australia (140, 257); *Phyllachora ischaemi* H. Sydow & Sydow, tar spot, Australia (257)

Bothriochloa biloba S. T. Blake

Claviceps pusilla Ces., ergot, Australia (257)

Bothriochloa bladhii (Retz.) S. T. Blake

Puccinia nakanishikii Dietel, rust, Australia (99); *Sorosporium andropogonis* (Opiz) Bubák, smut, Australia (143); *Stagonospora* sp., leaf spot, Australia (99)

Bothriochloa decipiens (Hackel) C. E. Hubbard (pitted blue grass)

Cerebella andropogonis Ces., false smut, Australia (99); *C. inquinans* (Berk. & Broome) Sacc., false smut, Australia (140); *Claviceps pusilla* Ces., ergot, Australia (144, 257); *Phyllachora ischaemi* H. Sydow & Sydow, tar spot, Australia (211, 257); *Puccinia kenmorensis* Cummins, rust, Australia (59, 257); *Sorosporium amphiphophis* H. Sydow, smut, Australia (143); *Sphacelotheca amphiphophis* H. Sydow, smut, Australia (99, 257); *S. andropogonis-hortifolia* (Henn.) Clint., smut, Australia (99)

Bothriochloa erianthoides (F. Muell.) C. E. Hubbard (satin-top grass)

Claviceps pusilla Ces., ergot, Australia (144, 257)

Bothriochloa ewartiana (Domin) C. E. Hubbard (desert blue grass)

Claviceps pusilla Ces., ergot, Australia (257); *Sphacelotheca amphiphophis* H. Sydow, smut, Australia (257)

Bothriochloa glabra A. Camus

Puccinia duthiae Ell. & Tracy, rust, Mauritius, Tanzania (99); *P. eritraeensis* Paszchke, rust, Mauritius (306); *P. nakanishikii* Dietel, rust, Australia (99); *Sorosporium bothriochloae* Ling, smut, Malawi (55, 99); *Sorosporium* sp., smut, Malawi (307); *Sphacelotheca andropogonis* (Opiz) Búbak, smut, Tanzania (72); *S. andropogonis-hortifolia* (Henn.) Clint., smut, Australia (99); *Sporisorium doidgeae* (Zundel) Langdon & Fullerton, smut, Australia (143)

Bothriochloa insculpta (Hochst.) A. Camus (sweet-pitted grass)

Cerebella andropogonis Ces., false smut, South Africa (99), Tanzania (72); *Cerebella* sp., false smut, Kenya (197); *Cochliobolus heterostrophus* (Drechs.) Drechs., leaf blight, Zambia (99); *Fusarium equiseti* (Corda) Sacc., not stated, Kenya (99, 197); *Gibberella zeae* (Schwein.) Petch, root rot, Kenya (197); *Puccinia cesatii* Schröter, rust, Uganda (99); *P. duthiae* Ell. & Tracy, rust, South Africa (99); *P. infuscans* Arthur & Holway, rust, Ethiopia (99); *Sorosporium amphiphophis* H. Sydow, smut, Australia (143); *Thanatephorus cucumeris* (Frank) Donk, foliar blight, Malaysia (99, 261); *Uredo* sp., rust, Ethiopia, Zambia (99); *Uromyces clignyi* Pat. & Har., rust, Uganda (99)

Bothriochloa intermedia (R. Br.) A. Camus (forest blue grass)

Cerebella andropogonis Ces., false smut, Australia (99); *Claviceps pusilla* Ces., ergot, Australia

(257); *Phyllachora ischaemi* H. Sydow & Sydow, tar spot, Australia (211, 257); *Puccinia duthiae* Ell. & Tracy, rust, Australia (99, 257), India (99); *P. eritraeensis* Pазschke, rust, Australia (144); *P. nakanishikii* Dietel, rust, Papua New Guinea (99, 250); *Sphacelotheca amphiphophis* H. Sydow, smut, Australia (99); *S. andropogonis* (Opiz) Bubák, smut, Australia (99, 257); *S. andropogonis-hortifolia* (Henn.) Clint., smut, Australia (99); *S. bothriochloae-intermediae* (Padwick) Narasimh., smut, India (99, 193); *S. ischaemi* (Fuckel) Clint., smut, Australia (144); *S. macalpinei* Zundel, smut, Papua New Guinea (99, 250); *S. tenuis* (H. Sydow & Sydow) Zundel, smut, India (99)

***Bothriochloa ischaemum* (L.) Keng**

Puccinia cesatii Schröter, rust, Austria, Romania (99), USA (75, 99); *Sphacelotheca andropogonis* (Opiz) Bubák, smut, India (193); *Ustilago amadelpa* H. Sydow & Sydow & E. Butler, smut, India (193)

***Bothriochloa pertusa* (L.) A. Camus**

Balansia sclerotica (Pat.) Höhnelt, false smut, India (231); *Phyllachora ischaemi* H. Sydow & Sydow, tar spot, India (99); *Puccinia amphiphophidis* Doidge, rust, India (231); *P. duthiae* Ell. & Tracy, rust, Jamaica (99), India (99, 231), Mauritius, New Caledonia (99); *P. eritraeensis* Pазschke, rust, Mauritius (306); *Sphacelia* sp., ergot, Burma (232); *Sphacelotheca bothriochloae-intermediae* (Padwick) Narasimh., smut, Burma (99); *S. tenuis* (H. Sydow & Sydow) Zundel, smut, Pakistan (2); *Uromyces andropogonis-annulati* H. Sydow, Sydow & E. Butler, rust, Barbados (21); *U. clignyi* Pat. & Har., rust, India, Tanzania, West Indies (99)

***Bothriochloa radicans* (Lehm.) A. Camus**

Cerebella sp., false smut, Kenya (197); *Puccinia duthiae* Ell. & Tracy, rust, Kenya (197)

***Bothriochloa* sp.**

Cercospora sp., leaf spot, Zambia (99); *Cladosporium* sp., inflorescence mould, Zambia (99); *Claviceps pusilla* Ces., ergot, Australia (144); *Phyllachora ischaemi* H. Sydow & Sydow, tar spot, India (99); *Puccinia duthiae* Ell. & Tracy, rust, India, Pakistan, Zambia (99); *Sorosporium baluchistani* S. Ahmad, smut, Pakistan (2, 99); *S. bothriochloae* Ling, smut, Zambia (99)

BRACHIARIA

***Brachiaria bovonei* (Chiov.) Robyns**

Cercospora sp., leaf spot, Zimbabwe (147); *Colletotrichum* sp., leaf spot, Zimbabwe (147); *Phyllachora* sp., tar spot, Zimbabwe (147); *Uromyces setariae-italicae* Yosh., rust, Zimbabwe (147)

***Brachiaria brizantha* (A. Rich.) Stapf** (palisade grass, brachiaria de Abisinia, estrella de Africa)
Alternaria alternata (Fr.) Keissler, leaf spot, Kenya (147); *Balansia* sp., false smut, Zambia (99); *Cercospora fusimaculans* Atk., leaf spot, Bengal (3), Ethiopia (147), Kenya (99, 197), Tanzania (72, 99), Uganda (99), Zambia (99, 238), Zimbabwe (99, 240); *Cerebella andropogonis* Ces., false smut, Bengal (3), Kenya (99, 197), South Africa (99), Zambia (238), Zimbabwe (240); *Cladosporium* sp., inflorescence blight, Brazil, Ethiopia (99, 147); *Claviceps sulcata* Langdon, ergot, Ethiopia (147), Kenya, Malawi (99), Tanzania (72, 99), Zambia (99), Zimbabwe (240); *Claviceps* sp., ergot, Bengal (3), Kenya (197), Malawi (219), Zambia (238); *Colletotrichum graminicola* (Ces.) Wilson, anthracnose, Australia (99), Ethiopia, Kenya (147); *Coniothyrium* sp., leaf spot, Zambia (99); *Didymosphaeria winteri* Neissl, leaf blight, Kenya (99); *Diorchidium brachiariae* Wakef. & Hansf.,

rust, Malawi (55, 219), Zambia (99); *Fusarium acuminata* Ell. & Everh., seed associate, Colombia (99); *F. heterosporum* Fr., pink ear, Ethiopia, Kenya (147), Tanzania (72, 99), Uganda (99), Zimbabwe (95); *F. stilboides* Wollenw., not stated, Zambia (99); *Leptosphaeria michotii* (Westend.) Sacc., leaf spot, Zambia (99); *Leptosphaerulina trifolii* (Rostrup) Petrak, leaf spot, Colombia (99); *Mycosphaerella* sp., leaf spot, Ethiopia (99, 147); *Periconia echinocloae* (Bat.) M. B. Ellis, leaf spot, Uganda (99); *Phaeoseptoria* sp., sheath spot, Zimbabwe (99); *Phomopsis* sp., leaf spot, Ethiopia, Kenya (99); *Phyllachora bonariensis* Speg., tar spot, Ethiopia, Kenya, Malawi, Nigeria, Sudan, Uganda, Zambia, Zimbabwe (99); *P. ischaemi* H. Sydow & Sydow, tar spot, Kenya (99); *P. sanguinolenta* var. *microspora* Theiss. & H. Sydow, tar spot, Bengal (3), Kenya (197), Zambia (238), Zimbabwe (95, 240); *Phyllachora* sp., tar spot, Kenya (99); *Physopella africana* (Cummins) Cummins & Ramachar, rust, Bengal (3), Kenya (99); *Rhizoctonia solani* Kühn, foliar blight, Colombia, Costa Rica, Ecuador, Peru (147); *Sorosporium brachiariae* Hopkins, smut, Zambia (99), Zimbabwe (99, 240); *Sphacelia* sp., ergot, Zambia (99); *Uredo* sp., rust, Ethiopia, Kenya (99); *Uromyces setariae-italicae* Yosh., rust, Brazil, Kenya (99, 206), Tanzania (72), Zimbabwe (95, 240); *Ustilagoidea virens* (Cooke) Tak., false smut, Kenya (99, 206) Malawi, Sudan (99), Tanzania (72), Zambia, Zimbabwe (99);

Brachiaria comata (A. Rich.) Stapf

Cercospora sp., leaf spot, Ethiopia (147)

Brachiaria coronifera Pilger

Phyllachora sp., tar spot, Ethiopia (147)

Brachiaria decumbens Stapf (signal grass, surinam grass, pasto alambre, pasto chontalpo, pasto braquiaria)

Bipolaris zaeae Sivan., leaf spot, Colombia (147); *Cercospora fusimaculans* Atk., leaf spot, Ethiopia, Kenya (147); *Cladosporium oxysporum* Berk. & M. A. Curtis, inflorescence blight, Colombia (99); *Claviceps sulcata* Langdon, ergot, Kenya (99, 147); *Cochliobolus eragrostidis* (Tsuda & Ueyama) Sivan., leaf spot, Australia (99); *Colletotrichum graminicola* (Ces.) Wilson, leaf spot, Australia (99), Kenya, Uganda (147); *Diorchidium brachiariae* Wakef. & Hansf., rust, Malawi (26); *Drechslera* sp., leaf spot, Colombia (147), Uganda (99); *Fusarium heterosporum* Fr., pink ear, Kenya (147); *Phoma sorghina* (Sacc.) Boerema, Dorenb. & van Kest., leaf spot, Colombia (99); *Phoma* sp., leaf spot, Colombia (147); *Phyllachora bonariensis* Speg., tar spot, Kenya (99, 147); *Physopella africana* (Cummins) Cummins & Ramachar, rust, Kenya, Uganda (99); *Puccinia nyasalandica* Cummins, rust, Malawi (55, 99); *Pyrenochaeta* sp., leaf spot, Colombia (147); *Ramulispora alloteropsis* Thirum. & Narasimh., leaf spot, Colombia (99, 147); *Rhizoctonia solani* Kühn, foliar blight, Brazil, Colombia, Costa Rica, Ecuador, Peru (147); *Urocystis* sp., smut, Brazil (147); *Uromyces setariae-italicae* Yosh., rust, Kenya (99, 147); *Ustilagoidea virens* (Cooke) Tak., false smut, Peru (147)

Brachiaria deflexa (Schumach.) A. Robyns

Cercospora sp., leaf spot, Ethiopia (147); *Phyllachora setariicola* Speg., tar spot, Kenya (197); *Uromyces setariae-italicae* Yosh., rust, Ethiopia (147), Ghana, Malawi (99, 219), Mali (147), Nigeria (99)

Brachiaria distachya (L.) Stapf

Balansia sclerotica (Pat.) Höhnelt, false smut, India (231); *Melanotaenium brachiariae* Viegas, smut, India (193, 263); *Phyllachora setariicola* Speg., tar spot, Kenya (197); *Pyricularia oryzae* Cavara, leaf spot, Philippines (99); *Uromyces setariae-italicae* Yosh., rust, Ethiopia (147)

Brachiaria dictyoneura (Figari & De Not.) Stapf (falso paspalum, pasto coronivia)
Botryodiplodia theobromae Pat., seed associate, Colombia (290); *Ceratocystis paradoxa* (Dade) Moreau, seed associate, Colombia (290); *Cercospora fusimaculans* Atk., leaf spot, Kenya (147); *Cladosporium oxysporum* Berk. & M. A. Curtis, inflorescence blight, Colombia (99); *Claviceps* sp., ergot, Kenya (197), Zimbabwe (95); *Cochliobolus pallescens* (Tsuda & Ueyama) Sivan., seed associate, Colombia (290); *Curvularia trifolii* (Kauffm.) Boedijn, leaf spot and seed associate, Colombia (99, 290); *Curvularia* sp., leaf spot, Colombia (99); *Drechslera* sp., leaf spot, Kenya (99); *Fusarium acuminatum* Ell. & Everh., seed associate, Colombia (290); *F. oxysporum* Schlecht., seed associate, Colombia (290); *F. pallidoroseum* (Cooke) Sacc., seed associate, Colombia (290); *Periconia echinochloae* (Bat.) M. B. Ellis, leaf spot, Kenya (99); *Phoma sorghina* (Sacc.) Boerema, Dorenb. & van Kest., seed associate, Colombia (99); *Rhizoctonia solani* Kühn, foliar blight and seed associate, Brazil, Colombia, Ecuador (147, 290); *R. zaeae* Voorereers, seed associate, Colombia (290); *Rhizopus stolonifera* (Fr.) Lind, seed associate, Colombia (147, 290); *Uromyces setariae-italicae* Yosh., rust, Kenya (99, 197), Zimbabwe (95)

Brachiaria distichophylla (Trin.) Stapf

Cercospora sp., leaf spot, Ethiopia (147); *Uromyces setariae-italicae* Yosh., rust, Ghana, Guinea, Sierra Leone (99)

Brachiaria eminii (Mez) A. Robyns

Cercospora sp., leaf spot, Zimbabwe (147); *Phyllachora* sp., tar spot, Zaire, Zimbabwe (147); *Uromyces setariae-italicae* Yosh., rust, Zimbabwe (147)

Brachiaria eruciformis (J. E. Smith) Griseb.

Cercospora sp., leaf spot, Ethiopia (147); *Uromyces setariae-italicae* Yosh., rust, Ethiopia (99, 147), Kenya (197), Mauritius, Sudan (99)

Brachiaria fasciculata (Sw.) Parodi

Setosphaeria turcica (Luttr.) Leonard & Suggs, foliar blight, India (99)

Brachiaria folioso (R. Br.) Hughes (leafy panic)

Claviceps hirtella Langdon, ergot, Australia (140, 257)

Brachiaria grossa Stapf

Cercospora sp., leaf spot, Kenya (147)

Brachiaria holosericeae (R. Br.) Hughes

Sorosporium cryptum McAlp., smut, Australia (257); *Uromyces setariae-italicae* Yosh., rust, Australia (99)

Brachiaria humidicola (Rendle) Schweickhardt (creeping false paspalum, braquiaria dulce, humidicola, kikuyu de la Amazonia)

Balansia pallida Winter, false smut, Brazil (99); *Bipolaris* sp., leaf spot, India (99); *Cercospora fusimaculans* Atk., leaf spot, Ethiopia, Kenya, Zimbabwe (147); *Cerebella* sp., false smut, Tanzania (72); *Claviceps sulcata* Langdon, ergot, Ethiopia (147), Kenya (206); *Diorchidium brachiariae* Wakef. & Hansf., rust, Brazil (147); *Fusarium heterosporum* Fr., pink ear, Ethiopia (147), Tanzania (72), Zimbabwe (99); *Fusarium* sp., inflorescence blight, Brazil, Colombia, Ecuador, Peru (147); *Phoma sorghina* (Sacc.) Boerema, Dorenb. & van Kest., seed associate, Colombia (99); *Phyllachora* sp., tar spot, Ethiopia, Zimbabwe (147); *Pyricularia* sp., foliar blight, Colombia (147); *Rhizoctonia solani* Kühn, foliar blight, Brazil, Colombia, Ecuador, Peru (147); *Uredo* sp., rust, Colombia (99); *Uromyces setariae-italicae* Yosh., rust, Brazil, Colombia, Ecuador, Ethiopia (147),

Kenya (72, 99, 206), Nigeria (99), Peru (147), Tanzania (72, 99), Zambia (99), Zimbabwe (147)

Brachiaria jubata (Figari & De Not.) Stapf

Cercospora fusimaculans Atk., leaf spot, Ethiopia, Kenya, Zimbabwe (147); *Cerebella andropogonis* Ces., false smut, Kenya (197), Zambia (99); *Claviceps sulcata* Langdon, ergot, Kenya (99); *Claviceps* sp., ergot, Kenya (197); *Fusarium heterosporum* Fr., pink ear, Kenya (147); *Phyllachora bonariensis* Speg., tar spot, Ethiopia, Kenya (99, 147), Zimbabwe (147); *P. ischaemi* H. Sydow & Sydow, tar spot, Kenya (99, 147); *Uromyces setariae-italicae* Yosh., rust, Ethiopia (147), Kenya (99, 147), Nigeria (147)

Brachiaria lacnantha (Hochst.) Stapf

Cercospora sp., leaf spot, Ethiopia (147); *Uromyces setariae-italicae* Yosh., rust, Ethiopia (147)

Brachiaria lata (Schumach.) C. E. Hubbard

Cercospora sp., leaf spot, Mali (147); *Uromyces setariae-italicae* Yosh., rust, Ethiopia (147), Ghana, Nigeria, Sudan (99)

Brachiaria leersioides (Hochst.) Stapf

Cercospora sp., leaf spot, Ethiopia (147)

Brachiaria leucocrantha (Schumach.) Stapf

Phyllachora bonariensis Speg., tar spot, Kenya (147); *Uromyces setariae-italicae* Yosh., rust, Kenya (99), Tanzania (72)

Brachiaria miliformis (J. & C. Presl) Chase

Cercospora fusimaculans Atk., leaf spot, Australia (99); *Uromyces setariae-italicae* Yosh., rust, Australia (99)

Brachiaria mutica (Forssk.) Stapf (Para grass, grama de Pará)

Balansia pallida Winter, false smut, Fiji (99); *Bipolaris setariae* (Saw.) Shoem., leaf spot, USA (75); *Curvularia* sp., leaf spot, Colombia (147); *Ephelis* sp., false smut, Australia (257); *Leptosphaeria* sp., leaf spot, Vanuatu (99); *Magnaporthe grisea* (Herbert) M.E. Barr, leaf spot, Malaysia (99, 261, 287, 308); *Morfea heliantaemi* (Maire) Bat. & Cif., foliar blight, Papua New Guinea (99, 250); *Myrothecium cinctum* (Corda) Sacc., leaf spot, Malaysia (99, 261, 287); *Pyricularia oryzae* Briosi & Cavara, foliar blight, Nepal (99); *P. oryzae* Briosi & Cavara f. *brachiariae* P. G. Rao & D. K. Rao, foliar blight, India (231); *Pyricularia* sp., foliar blight, Thailand (47); *Sclerospora macrospora* Sacc., downy mildew, Australia (257); *Sclerotium hydrophilum* Sacc., wilt, Guadalcanal (99); *Thanatephorus cucumeris* (Frank) Donk, foliar blight, Guadalcanal, Solomon Islands (99); *Uredo gharsii* Rahalkar, rust, India (230); *Uromyces setariae-italicae* Yosh., rust, Australia (99, 257), Barbados (21, 200), Fiji (99), Jamaica (62, 145, 146), New Caledonia (99), Trinidad & Tobago (22, 99)

Brachiaria nigropedata (Ficalho & Hiern) Stapf

Cerebella andropogonis Ces., false smut, Zimbabwe (99, 156); *Fusarium heterosporum* Fr., pink ear, Zimbabwe (99)

Brachiaria obtusifolia (A. Rich.) Stapf

Ustilago operta H. Sydow, Sydow & E. Butler, smut, Sudan (99)

Brachiaria ovalis Stapf

Phyllachora sp., tar spot, Ethiopia, Kenya (147)

Brachiaria paspaloides (Presl) C. E. Hubbard

Rhizoctonia solani Kühn, foliar blight, Malaysia (261)

Brachiaria piligera (Benth.) Hughes

Physarum sp., slime mould, Australia (299)

Brachiaria platynota (Schumach.) A. Robyns

Cercospora sp., leaf spot, Zaire, Zimbabwe (147); *Fusarium heterosporum* Fr., pink ear, Uganda (99); *Uromyces setariae-italicae* Yosh., rust, Uganda (99)

Brachiaria polyphylla (R. Br.) Hughes

Sorosporium cryptum McAlp., smut, Australia (257)

Brachiaria radicans Napper (napier grass)

Uromyces setariae-italicae Yosh., rust, Brazil, Colombia, Cuba (147)

Brachiaria ramosa (L.) Stapf

Ephelis oryzae H. Sydow, powdery mildew, India (231); *Rhizoctonia solani* Kühn, sheath blight, India (63); *Uromyces setariae-italicae* Yosh., rust, India, Mauritius (99); *Ustilago operta* H. Sydow, Sydow & E. Butler, smut, India (99), Pakistan (2)

Brachiaria reptans (L.) C. Gardner & C. E. Hubbard

Cerebella andropogonis Ces., false smut, Burma (232); *Claviceps* sp., ergot, India (99); *Cochliobolus setariae* Shoem., leaf spot and blotch, India (187); *Sphacelia* sp., smut, Burma (99, 232); *Uromyces setariae-italicae* Yosh., rust, Burma (99), Pakistan (99, 127), Uganda (59)

Brachiaria ruziziensis Germ. & Evrard (congo señal, gambutera, pasto congo, pasto ruzzi)

Cercospora fusimaculans Atk., leaf spot, Tanzania (72, 99); *Cochliobolus bicolor* Paul & Parbery, leaf spot, West Africa (99); *Hendersonia culmonicola* Sacc. var. *minor* (Sacc.) Sacc., leaf spot, Tanzania (72); *Phaeoseptoria* sp., sheath spot, Kenya (99, 206); *Phyllachora setariicola* Speg., tar spot, Tanzania (99); *Phyllachora* sp., tar spot, Burundi (147); *Physopella africana* (Cummins) Cummins & Ramachar, rust, Kenya (99, 206); *Uromyces setariae-italicae* Yosh., rust, Kenya (99), Tanzania (72)

Brachiaria scalaris Pilger

Cercospora sp., leaf spot, Kenya (147); *Uromyces setariae-italicae* Yosh., rust, Malawi (26, 99)

Brachiaria semiundulata (A. Rich.) Stapf

Cercospora sp., leaf spot, Ethiopia (147); *Cladosporium* sp., inflorescence mould, Ethiopia (147); *Rhizoctonia* sp., foliar blight, Ethiopia (147)

Brachiaria serrata (Thunb.) Stapf (red-topped false paspalum)

Cercospora fusimaculans Atk., leaf spot, Botswana (147); *Claviceps sulcata* Langdon, ergot, Zimbabwe (240); *Phyllachora setariicola* Speg., tar spot, South Africa (99); *Phyllachora* sp., tar spot, Burundi, Malawi, Zimbabwe (147); *Sphacelotheca serrata* Ling, smut, Malawi (55, 99)

Brachiaria setigera (Retz.) C. E. Hubbard

Cerebella andropogonis Ces., false smut, Burma (232); *Sphacelia* sp., ergot, Burma (232)

***Brachiaria stigmatisata* (Mez) Stapf**

Uromyces setariae-italicae Yosh., rust, Guinea, Nigeria, Sierra Leone (99)

***Brachiaria villosa* (Lam.) A. Camus**

Ustilago operta H. Sydow, Sydow & E. Butler, smut, India (193, 231)

***Brachiaria virginiana* (L.) Kuntze**

Pseudocercospora bradburyae (Young) Deighton, foliar blight, Barbados (200)

***Brachiaria whiteana* (Domin) C. E. Hubbard**

Claviceps hirtella Langdon, ergot, Australia (140, 257)

***Brachiaria* sp.**

Alternaria alternata (Fr.) Keissler, foliar blight, Pakistan (99); *Balansia pallida* (Pat.) Höhnelt, false smut, Fiji (78); *C. fusimaculans* Atk., leaf spot, Uganda (99); *Cercospora* sp., foliar blight, French Guyana (24); *Cerebella andropogonis* Ces., false smut, Sudan (283), Uganda (99), USA (75); *Cladosporium* sp., inflorescence blight, Pakistan, Uganda (99); *Claviceps sulcata* Langdon, ergot, Zambia (99); *Claviceps* sp., ergot, Malawi (219, 307); *Cochliobolus eragrostidis* (Tsuda & Ueyama) Sivan., foliar blight, Malaysia (99); *C. geniculatus* Nelson, leaf spot, Peru (99); *C. lunatus* Nelson & Haasis, leaf spot, USA (75, 12); *Curvularia* sp., leaf spot, Fiji (78), Peru (99); *Diorchidium brachiariae* Wakef. & Hansf., rust, Malawi (55, 99, 219); *Fusarium heterosporum* Fr., pink ear, Zimbabwe, Zambia (99); *Fusarium pallidoroseum* (Cooke) Sacc., leaf lesions, French Guyana (24); *Helminthosporium* sp., foliar blight, USA (12); *Leptosphaeria michotii* (Westend.) Sacc., leaf spot, Peru (99); *Magnaporthe grisea* (Herbert) M. E. Barr, grey leaf spot, Fiji (78), Malaysia (147); *Melanotaenium brachiariae* Veigas, smut, India (99); *Pestalotia* sp., leaf spot, Malaysia (147); *Phyllachora paspalicola* Henn., tar spot, Uganda (99, 212); *P. setariicola* Speg., tar spot, Malawi (219, 307); *Pseudocercospora bradburyae* (Young) Deighton, foliar blight, Barbados (200); *Puccinia nyasalandica* Cummins, rust, Malawi (55, 219); *Puccinia* sp., rust, Brazil (147); *Pyricularia oryzae* Briosi & Cavara, foliar blight, Philippines (99); *Rhizoctonia solani* Kühn, foliar blight, Malaysia (293); *Sorosporium ovarium* Griffon, smut, USA, (12, 75); *Sorosporium* sp., smut, Malawi (307); *Sphacelotheca serrata* Ling, smut, Malawi (55); *Sphacelia* sp., ergot, Sudan (283), Uganda (99); *Tetraploa aristata* Berk. & Broome, leaf spot, Bolivia (99); *Uredo* sp., rust, Ethiopia (99); *Urocystis* sp., smut, Brazil (147); *Uromyces setariae-italicae* Yosh., rust, Cuba (99), Fiji (78), Kenya (99), Malawi (219, 307), Sudan (283), Zimbabwe (99); *Uromyces* sp., rust, Barbados (200); *Ustilago viridis* (Cooke) Tak., false smut, Zimbabwe (99, 240); *Ustilago operta* H. Sydow, Sydow & Butler, smut, Sudan (283); *Xylaria* sp., root rot, Nigeria (99)

CAJANUS***Cajanus cajan* (L.) Millsp., (pigeon pea, cachito, cajan)**

Acremonium cajani Brady, leaf spot, Sierra Leone (99); *A. strictum* W. Gams, stem rot, India, Zambia (99); *Acremonium* sp., not stated, India (99); *Alternaria alternata* (Fr.) Keissler, seed associate, India (171), Sudan (99); *A. chlamydospora* Mouchacca, root associate, India (99); *A. tenuissima* (Pers.) Wiltsh., leaf blight, India (116), Pakistan (21), USA (75); *Armillaria mellea* (Fr.) Kummer root rot, Malawi (307), Tanzania (239), Zimbabwe (240); *Ascochyta phaseolorum* Sacc., zonate leaf spot, Australia (4); *Ascochyta* sp., leaf spot, Zimbabwe (99, 240); *Bipolaris* sp., leaf spot, India (99); *Botryodiplodia theobromae* Pat., root rot, Benin, Cuba, Fiji, India, Kenya (99), Puerto Rico (281), Solomon Islands, Sierra Leone, Tanzania, Trinidad (99), Virgin Islands, West

Indies (281); *Botryosphaeria disrupta* (Berk. & M. A. Curtis) v. Arx & E. Müller, dieback, Trinidad (99); *B. ribis* Grossenb. & Dugg., dieback, India (99); *B. xanthocephala* (H. Sydow, Sydow & E. Butler) Theiss., stem canker, Fiji (99), India (99, 244), Trinidad, USA (99); *Botrytis cinerea* Pers., grey mould, Zimbabwe (99); *Cercoseptoria cajanicola* Pavgi & R. A. Singh, leaf spot, Dominican Republic, Kenya, India, Pakistan, Sierra Leone (99), Tanzania (72, 99), Zambia (99); *Cercospora apii* Fresen., foliar blight, Papua New Guinea (118); *C. canescens* Ell. & Mart., leaf spot, India, Pakistan (99); *Cercospora instabilis* Rangel, leaf spot, Brazil (256, 281), Cambodia (167), China (99), India (99, 231), Papua New Guinea (99), Puerto Rico (281), Solomon Islands, Trinidad (99); *Cercospora* sp., leaf spot, Barbados (21), Brazil (183, 256), Ghana (99), Jamaica (62, 145), Pakistan (127), Trinidad & Tobago (22), USA (60, 75), Venezuela (310); *Cladosporium cladosporioides* (Fresen.) de Vries, green mould, India (99); *C. oxysporum* Berk. & M. A. Curtis, green mould, India, Zambia (99); *C. sphaerospermum* Penz., green mould, India (99); *Cladosporium* sp., green mould, India, Sudan, Zambia (99); *Cochliobolus carbonum* Nelson, seed associate, Denmark (99); *C. geniculatus* Nelson, leaf spot, India (99); *C. lunatus* Nelson & Haasis, leaf spot, India, Malaysia (99); *C. pallescens* (Tsuda & Ueyama) Sivan., leaf spot, India (99); *Coleophoma empetri* (Rostrup) Petrak, leaf spot, India (99); *Colletotrichum cajani* Rangel, anthracnose, Brazil (256); *C. crassipes* (Speg.) v. Arx, anthracnose, Zambia (99); *C. gloeosporioides* (Penz.) Penz. & Sacc., anthracnose, Antigua, Cuba, India, Jamaica, Malaysia, Nigeria (99), Puerto Rico (281), Tanzania (99), USA (75), Virgin Islands (281); *C. truncatum* (Schwein.) Andrus & Moore, anthracnose, Puerto Rico (281); *Colletotrichum* sp., anthracnose, Barbados (99, 200); *Corticium rolfsii* Curzi, root rot, Bangladesh (99), India (114), Nicaragua (169); *Corynespora cassicola* (Berk. & M. A. Curtis) Wei, leaf and stem rot, Solomon Islands (99); *Curvularia clavata* B. L. Jain, leaf spot, India (99); *C. inequalis* (Shear) Boedijn, leaf spot, India (99); *C. lunata* (Walker) Boedijn var. *aeria* (Bat., Lima & Vasconc.) M. B. Ellis, leaf spot, India (99); *Cylindrocarpon* sp., stem rot, India (99); *Diaporthe* sp., shoot dieback, Cuba, Malaysia, Zambia, Zimbabwe (99); *Didymosphaeria igniaria* C. Booth, shoot blight, Jamaica (99); *Diplodia natalensis* Pole Evans, dieback, Australia (257); *Diplodia* sp., stem rot and dieback, Sierra Leone (99), USA (75), Zambia (99); *Erysiphe polygoni* DC., powdery mildew, Puerto Rico, Virgin Islands (281); *Fusarium acuminatum* Ell. & Everh., root rot, Fiji, India (99); *F. avenaceum* (Fr.) Sacc., root rot, India, Trinidad (99); *F. culmorum* (Smith) Sacc., root rot, Malawi (99); *F. equiseti* (Corda) Sacc., associated with root rot, India, Malaysia (99); *F. fusarioides* (Frag. & Cif.) C. Booth, associated with root rot, India (99); *F. lateritium* Fr., root rot and wilt, Kenya (197), Tanzania (239); *F. moniliforme* Sheldon, root rot and wilt, seed associate, Barbados (200), India (99, 171), Malaysia, Mauritius (99); *F. moniliforme* Sheldon var. *subglutinans* Wollenw. & Reink., root rot and wilt, Mauritius (99, 207, 306); *F. oxysporum* Schlecht., associated with root rot, India, Malawi, Malaysia (99); *F. pallidoroseum* (Cooke) Sacc., not stated, India, Nigeria (99); *F. scirpi* Fautr. & Lamb., not stated, India (99); *F. solani* (Mart.) Sacc., root rot, Malaysia (99); *F. udum* Butler, wilt and dieback, Burma (232), India (88, 99); *Fusarium* sp., wilt and dieback, Australia (257), Jamaica (145), Nicaragua (169); *Fomes lignosus* Klotzsch, root rot, Nigeria (304); *Helicobasidium purpureum* Pat., purple root rot, Trinidad & Tobago (22); *Leptosphaeria* sp., leaf spot, Solomon Islands (99); *Leptosphaerulina trifolii* (Rostrup) Petrak, leaf spot, India (99); *Leveillula leguminosarum* Golovin, powdery mildew, Zambia (99); *L. taurica* (Lév.) Arnaud, powdery mildew, Ethiopia (99), Kenya (99, 197), India (99), Malawi (99, 307), Mauritius (99, 207, 306), Rwanda, Sudan (99), Tanzania (99, 239), Yemen (99); *Macrophomina phaseolina* (Tassi) Goid., India (99, 277), Jamaica (146), Trinidad & Tobago (22), USA (75); *Magnaporthe grisea* (Herbert) M. E. Barr, leaf spot, India (99); *Meliola* sp., sooty mould, Malaysia (99); *Mycovellosiella cajani* (Henn.) A. Trotter, leaf spot, Bangladesh (201), Barbados (200), Brazil (256), Burma, Dominican Republic, Ethiopia (99), Fiji (136), Haiti (99), India (99, 231), Jamaica (99, 146), Kenya (99, 197), Malawi (99, 307), Mauritius (99, 207), Nigeria, Pakistan (99), Papua New Guinea (250), Puerto Rico (281), Rwanda, Sierra Leone (99), Sri Lanka (280), St. Vincent, Sudan (99), Tanzania (72, 99, 239), Trinidad (99, 281), Uganda, Venezuela (99, 278), Virgin Islands, West Indies (281),

Zambia (99, 238), Zimbabwe (240); *M. cajani* var. *trichophila* (Curzi) Deighton, leaf spot, Bangladesh, Kenya, Taiwan, Tanzania (99); *Mycosphaerella* sp., leaf spot, India (99); *Myrothecium gramineum* Lib., leaf spot, India (99); *M. verrucaria* (Alb. & Schwein. : Fr.) Fr., leaf spot, India (99); *Nectria flavolanata* Berk. & Broome, dieback, Malaysia (261), Sierra Leone (99); *N. rigidiuscula* Berk. & Broome, dieback, Sierra Leone (99); *Neocosmospora vasinfecta* E. F. Sm., wilt, India (99, 231); *Nematospora coryli* Peglion, yeast spot, Tanzania (99, 239); *Nigrospora sphaerica* (Sacc.) Mason, leaf spot, India, Malaysia (99); *Oidium erysiphoides* Fr., powdery mildew, Burma (232); *Oidium* sp., powdery mildew, India (231), Sri Lanka, Tanzania (99), Zimbabwe (240); *Ophiobolus cajani* H. Sydow, stem rot, India (99); *Periconia byssoides* Pers., leaf spot, India, Malaysia, Sierra Leone, Sudan (99); *Pestalotiopsis mangiferae* (Henn.) Steyaert, leaf spot, India (99); *P. neglecta* (Thüm.) Steyaert, leaf spot, India (99); *P. versicolor* (Speg.) Steyaert, leaf spot, India (99); *Phakopsora pachyrhizi* H. Sydow & Sydow, rust, Australia (120, 299), Barbados, Costa Rica, Nigeria (99); *Phanerochaete salmonicolor* (Berk. & Broome) Jülich, pink disease, Malaysia (170), Papua New Guinea (99, 250), Puerto Rico, Virgin Islands (281); *Phoma cajani* Rangel, leaf spot, Brazil (256); *P. exigua* Desm. var. *exigua*, leaf spot, India, Malaysia (99); *P. glomerata* (Corda) Wollenw. & Hochapf., leaf spot, India (99); *P. sorghina* (Sacc.) Boerema, Dorenb. & van Kest., leaf spot, Fiji, India (99); *Phoma* sp., stem canker, India, Rwanda (99); *Phomopsis cajani* H. Sydow & Sydow, dieback and leaf spot, Brazil, Dominican Republic (281), India, Malawi, Mauritius (99), Puerto Rico (281), Venezuela (99), Virgin Islands (281), Zambia (99); *Phyllosticta cajani* Rangel, leaf spot, Barbados (200), Brazil (256, 281), Cuba (99), Fiji (136), India (99), Jamaica (99, 146), Nepal, Panama, Puerto Rico (281), Rwanda, Sierra Leone (99), Tanzania (72, 99), USA (75, 281); *Phytophthora cinnamomi* Rands, root rot, USA (75); *P. drechsleri* Tucker f. sp. *cajani* Pal, Grewal & Sarbhoy, stem blight, India (1), USA (75); *P. vignae* Purss, wilt, India (99); *Phytophthora* sp., wilt, India (99); *Pleospora infectoria* Fuckel, leaf spot, India (99); *Puccinia* sp., rust, Brazil (184); *Pyrenochaeta cajani* R. A. Singh & Pavgi, leaf spot, India (99); *Rhizoctonia solani* Kühn, foliar blight, Ghana, India, Malaysia (99), Puerto Rico (281), Sierra Leone, Zambia (99); *Rhizoctonia* sp., foliar blight, Tanzania (72, 99), USA (75); *Rhizopus oryzae* Went & Prinsen Geerl., not stated, India (99); *Rhizopus* sp., not stated, India (99); *Thielavia terricola* (Gilm. & Abbott) Emmons, root rot, Sierra Leone (99); *Thyronectria pseudotrachia* (Schwein.) Seeler, dieback, Malaysia (99, 261); *Uredo cajani* H. Sydow & Sydow, rust, Barbados (200), Burma (232), Cuba, Dominican Republic, Ghana, Guinea, Jamaica (99), India (280), Kenya (99, 197), Mauritius (99, 207), Nigeria (99), Puerto Rico (281), Sierra Leone, Sudan, Trinidad, West Indies, Venezuela (99), Virgin Islands (281); *Uromyces dolicholi* Arthur, rust, Jamaica (145), Honduras, Mexico (99), Nicaragua (169), USA (75), Venezuela (278), West Indies (60); *Uromyces* sp., rust, Venezuela (278); *Woroninella umbilicata* (Berk. & Broome) Höhnelt, false rust, India (280)

Cajanus sp.

Myrothecium cinctum (Corda) Sacc., leaf spot, India (99); *Phanerochaete salmonicolor* (Berk. & Broome) Jülich, pink disease, Papua New Guinea (118); *Uromyces appendiculatus* (Pers.) Unger, rust, India (99)

CALLIANDRA

Calliandra caracasana (Jacq.) Benth.

Ravenelia echinata Lagerh. & Dietel, rust, Venezuela (278)

Calliandra conzatti Standl.*Uredo quichensis* Cummins, rust, Guatemala (60)***Calliandra guildingii*** Benth.*Perisporiopsis fusispora* (Pat.) v. Arx, sooty mould, Trinidad (99)***Calliandra humilis*** (Schlecht.) Benth.*Ravenelia reticulata* Long, rust, Mexico (99); *Ravenelia texensis* Dietel var. *texensis*, rust, Mexico (60), USA (60, 75)***Calliandra marginata*** Griseb.*Ravenelia echinata* Lagerh. & Dietel var. *ectypa* (Arthur & Holway) Cummins, rust, Trinidad (99)***Calliandra portoricensis*** (Jacq.) Benth.*Uredo* sp., rust, Jamaica (99)***Calliandra reticulata*** Gray*Ravenelia texensis* Dietel var. *texensis*, rust, Mexico, USA (60)***Calliandra surinamensis*** Benth.*Nectria rigidiuscula* Berk. & Broome, dieback, Sierra Leone (99); *Camptomeris calliandrae* H. Sydow, leaf blotch, Costa Rica (99); *Cladosporium* sp., green mould, Costa Rica (99); *Nectria ochroleuca* (Schwein.) Berk., dieback, Sierra Leone (99); *Phanerochaete salmonicolor* (Berk. & Broome) Jülich, pink disease, Papua New Guinea (99, 250)***Calliandra tweediei*** Lindman*Phomopsis* sp., stem blight, Cuba (99)***Calliandra*** sp.*Ravenelia affinis* Sydow & H. Sydow, rust, Brazil (280); *R. armata* H. Sydow & Sydow, rust, Brazil (280); *R. bizonata* Arthur & Holway, rust, Guatemala (280); *R. dieteliana* Henn., rust, Brazil, Taiwan (280); *R. echinata* Lagerh. & Dietel, rust, Ecuador (280), Mexico (99); *R. echinata* Lagerh. & Dietel var. *ectypa* (Arthur & Holway) Cummins, rust, Costa Rica, Guatemala (280); *R. lagerheimiana* Dietel, rust, Mexico (99); *R. mexicana* Tranzsch., rust, Mexico (280); *R. pазschkeana* Dietel, rust, Brazil (280); *R. texensis* Dietel, rust, USA (75); *Thyronectria pseudotrachia* (Schwein.) Seeler, dieback, not stated (99); *Uredo longipedis* Henn., rust, Brazil (280)**CALOPOGONIUM*****Calopogonium caeruleum*** (Benth.) Sauvalle*Elsinoe* sp., scab, Peru (83); *Glomerella cingulata* (Stonem.) Spauld. & Schrenk, leaf spot, Thailand (99); *Meliola calopogonii* Stev., sooty mould, Peru (99); *Nectria* sp., dieback, Guyana (99); *Pseudocercospora calopogonii* (Stev. & Solh.) Deighton, foliar blight, Cuba (99); *Rhizoctonia solani* Kühn, foliar blight, Brazil, Colombia, Peru (147); *Rhizopus oryzae* Went & Prinsen Geerl., seedling blight, Philippines (99)

***Calopogonium galactioides* (HBK) Hemsl.**

Meliola scabriseta Hansf. & Deighton var. *calopogonii* (Stev.) Hansf., sooty mould, Costa Rica (99); *Uromyces calopogonii* Cummins, rust, Guatemala (58, 60)

***Calopogonium mucunoides* Desv.**

Acremonium zonatum (Saw.) W. Gams., foliar blight, Guinea, Sierra Leone (99); *Cercospora borinquensis* Young, leaf spot, Dominican Republic, Puerto Rico (281); *C. canescens* Ell. & Mart., Guinea (99), Papua New Guinea (99, 250), Uganda (99); *Colletotrichum truncatum* (Schwein.) Andrus & Moore, leaf spot, Papua New Guinea (99, 250); *Colletotrichum* sp., leaf spot, Malaysia (99); *Corticium rolfsii* Curzi, wilt, Colombia (147), Malaysia (261); *Diaporthe phaseolorum* (Cooke & Ell.) Sacc., foliar blight, Barbados (200); *Fusarium* sp., associated with root rot, Malaysia (99); *Lasionectria* sp., dieback, Guinea (99); *Leptosphaeria* sp., leaf spot, Malaysia (99, 261); *Meliola bicornis* Winter, sooty mould, Dominican Republic, Puerto Rico, West Indies (281); *M. scabriseta* Hansf. & Deighton var. *calopogonii* (Stev.) Hansf., sooty mould, Puerto Rico (99, 281); *M. teramni* H. Sydow & Sydow, sooty mould, Sierra Leone (99); *Meliola* sp., sooty mould, Malaysia (99, 293); *Mycosphaerella* sp., foliar blight, Malaysia, Papua New Guinea, Solomon Islands (99); *Parapericonia sessilispora* Alcorn & P. M. Kirk, leaf spot, Australia (10, 99); *Periconia byssoides* Pers., leaf spot, Papua New Guinea (99, 250); *Phakospora pachyrhizi* H. Sydow & Sydow, rust, Malaysia (99, 293); *Pseudocercospora borinquensis* (Young) Deighton, foliar blight, Dominican Republic (99); *Rhizoctonia solani* Kühn, foliar blight, Indonesia (99), Malaysia (99, 111, 261), Guinea, Papua New Guinea, Solomon Islands (99); *Sporidesmium bakeri* H. Sydow & Sydow, leaf spot, Malaysia (261)

***Calopogonium* sp.**

Cercospora calopogonii Stev. & Solheim, leaf spot, (53); *Meliola crenatissima* H. Sydow & Sydow, sooty mould, Peru (83); *Rhizoctonia solani* Kühn, foliar blight, USA (75)

CANAVALIA***Canavalia ensiformis* (L.) DC. (canavalia, canavalia gigante, frijol blanco)**

Alternaria alternata (Fr.) Keissler, leaf spot, Egypt (99); *A. cheiranthii* (Fr.) Bolle, leaf spot, India (99); *A. tenuissima* (Pers.) Wilts., leaf spot, Hong Kong (99); *Ascochyta phaseolorum* Sacc., foliar blight, Malawi (55); *A. pisi* Lib., leaf spot, Brazil (256); *Botrytis fabae* Sardina, grey mould, Egypt (99); *Cercospora canavaliae* H. Sydow & Sydow, leaf spot, Australia (257), Brazil (256), Philippines (280); *C. canavaliicola* Saw. & Katsuki, leaf spot, China, India (99); *C. canescens* Ell. & Mart., leaf spot, Barbados (200), Burma, Hong Kong, Sierra Leone, Trinidad (99); *C. cercosporelloides* Deighton, leaf spot, Taiwan (66, 99); *Cercospora* sp., foliar blight, Cambodia (167), Japan (99), Tanzania (239); *Cerotelium canavaliae* Arthur, leaf spot, Congo (280), Jamaica (99), Puerto Rico (280, 281); *Colletotrichum capsici* (H. Sydow) E. Butler & Bisby, leaf and pod spot, India (231), USA (75); *C. gloeosporioides* (Penz.) Penz. & Sacc., stem canker and dieback, Malaysia (99), Philippines, USA (75, 99, 280); *C. truncatum* (Schwein.) Andrus & Moore, anthracnose, leaf spot, Nigeria (99); *Corticium rolfsii* Curzi, wilt, El Salvador (57), Nigeria (304), Sierra Leone (99), Tanzania (99, 239); *Cylindrocladium* sp., pod rot, India (99); *Dendryphiella vinosa* (Berk. & M. A. Curtis) Reisinger, leaf spot, Uganda (99); *Elsinoe canavaliae* Racib., scab, Philippines (99, 280), Sierra Leone (99), Sri Lanka (280), Uganda (99); *Fusarium moniliforme* Sheldon, wilt, Egypt (99); *F. oxysporum* Schlecht., root rot, Egypt (99); *F. solani* (Mart.) Sacc., wilt and root rot, Egypt (99); *Gibberella* sp., stem rot, Nigeria (304); *Mycosphaerella cruenta* Latham, leaf spot, India (99), Philippines (280), Sierra Leone (99), Trinidad (22, 99); *Myrothecium roridum* Fr., leaf spot, Sierra

Leone (99); *Nectria confluens* Seaver, pod rot, Puerto Rico (281); *Oidium* sp., powdery mildew, Brazil (256); *Rhizoctonia solani* Kühn, foliar blight, India (137); *Rhizoctonia* sp., root rot, El Salvador (57); *Rhizopus rhizopodiformis* (Cohn) Zopf, not stated, India (99); *Septoria canavaliae* Lyon, leaf spot, USA (75, 99, 280); *Stenella canavaliae* (H. Sydow & Sydow) Deighton, leaf spot, China, Malaysia, Philippines, Sierra Leone (99), Trinidad & Tobago (22, 99), USA (75); *Uromyces* sp., rust, Brazil (184)

Canavalia gladiata (Jacq.) DC. (sword bean, calibolati, carabanz)

Cercospora sp., foliar blight, Malaysia (99, 261), Philippines (280); *Cerotelium canavaliae* Arthur, red leaf blotch, Congo, Puerto Rico (280); *Colletotrichum capsici* (H. Sydow) E. Butler & Bisby, pod spot, USA (75); *Elsinoe canavaliae* Racib., scab, China (52, 108), Philippines, Sri Lanka (280), Uganda (99); *E. fawcetti* Bitanc. & Jenk., scab, China (52); *Glomerella cingulata* (Stonem.) Spauld. & Schrenk, anthracnose, Philippines, USA (280); *Macrophoma* sp., canker, Cuba (99); *Mycosphaerella canavaliae* H. Sydow, leaf spot, Philippines (99); *Oidium* sp., powdery mildew, Australia (257); *Stenella canavaliae* (H. Sydow & Sydow) Deighton, leaf spot, Malaysia (99), USA (75)

Canavalia kauensis St. John

Septoria molleriana Bres. & Roum., foliar blight, USA (75, 84)

Canavalia maritima Thouars

Botryodiplodia theobromae Pat., stem canker, Puerto Rico, Virgin Islands, West Indies (281); *Cercospora canescens* Ell. & Mart., leaf spot, Malaysia (99); *Cercospora* sp., foliar blight, Kenya (197); *Cladosporium herbarum* (Pers.) Gray, leaf and stem patch, Puerto Rico (281); *Colletotrichum gloeosporioides* (Penz.) Penz. & Sacc., anthracnose, Puerto Rico, Virgin Islands (281); *C. truncatum* (Schwein.) Andrus & Moore, anthracnose, Puerto Rico (281); *Phakopsora pachyrhizi* H. Sydow & Sydow, rust, Australia (120); *Ramularia* sp., floury leaf spot, Kenya (99)

Canavalia obtusifolia (Lam.) DC.

Mycosphaerella cruenta Latham, leaf spot, Sierra Leone (99); *Septoria molleriana* Bres. & Roum., leaf spot, Philippines (280)

Canavalia rosea (Sw.) DC.

Stenella canavaliae (H. Sydow & Sydow) Deighton, leaf spot, Honduras, Ivory Coast, Malaysia, Sierra Leone (99)

Canavalia villosa Benth.

Phakopsora pachyrhizi H. Sydow & Sydow, rust, Africa, Costa Rica, Mexico, South America, West Indies (60); *Phyllachora canavaliae* H. Sydow, tar spot, Costa Rica (99)

Canavalia sp.

Ascochyta phaseolorum Sacc., leaf spot, Venezuela (99); *Cercospora canavaliicola* Saw. & Katsuki, leaf spot, Cuba (99); *Cercospora* sp., leaf spot, India (99); *Cerotelium canavaliae* Arthur, leaf spot, Congo (280), Jamaica (99, 146), Puerto Rico (280, 281); *Glomerella cingulata* (Stonem.) Spauld. & Schrenk, anthracnose, Cuba, India (99), Puerto Rico, Virgin Islands (281); *Meliola teramni* H. Sydow & Sydow, sooty mould, Sierra Leone (99); *Mycosphaerella* sp., leaf spot, India (99), Venezuela (278); *Neocosmospora vasinfecta* E. F. Sm. var. *africana* (v. Arx) P. Cannon & D. Hawksw., wilt, Sierra Leone (99); *Phoma* sp., leaf spot, Zimbabwe (99); *Ramularia* sp., floury leaf spot, Malaysia (99); *Stenella canavaliae* (H. Sydow & Sydow) Deighton, leaf spot, Costa Rica, Honduras (99), USA (75)

CASSIA

Cassia antillana (Britton & Rose) Allain

Phyllachora chamaefistulae Chardon, tar spot, Puerto Rico (281); *Uredo lutea* Arthur, rust, Puerto Rico (281)

Cassia delagoensis Harvey

Cercospora occidentalis Cooke, foliar blight, Argentina, Barbados, Brazil, Colombia, Dominican Republic, India, Philippines, Somalia, South Africa, Trinidad, USA (53); *Cercospora sphaeroidea* Speg., foliar blight, Argentina, Brazil, South Africa (53); *Cercospora* sp., leaf spot, South Africa (99)

Cassia fistula L. (Indian laburnum)

Alternaria alternata (Fr.) Keissler, leaf spot, India (99); *A. cassiae* Jurair & Khan, leaf blight, India (99); *A. tenuissima* (Pers.) Wilts., leaf spot, Pakistan (99); *Biharia* sp., brown leaf mould, India (99); *Botryodiplodia theobromae* Pat., root rot, India (99); *Cladosporium oxysporum* Berk. & M. A. Curtis, green mould, India (99); *Cladosporium* sp., green mould, India (99); *Cochlibolus spicifer* Nelson, leaf spot, Pakistan (99); *C. verruculosus* (Tsuda & Ueyama) Sivan., leaf spot, India (99); *Colletotrichum lindemuthianum* (Sacc. & Magn.) Briosi & Cavara, anthracnose, India (99); *Curvularia clavata* B. L. Jain, leaf spot, India (99); *Dendryphiella vinosa* (Berk. & M. A. Curtis) Reisinger, leaf spot, India (99); *Diplodia* sp., dieback, India (99); *Fusarium pallidoroseum* (Cooke) Sacc., not stated, India (99); *Hypoxylon rubiginosum* (Fr.) Fr., canker, Sierra Leone (99); *Kabatiella nigricans* (Atk. & Edgert.) Karak., leaf scorch, India (189); *Leptosphaeria* sp., leaf spot, Malaysia (99); *Leptosphaerulina trifolii* (Rostrup) Petrak, leaf spot, India (99); *Meliola aethiops* Sacc. var. *cassiae* Rao, sooty mould, India, Malaysia (99); *Oidium* sp., powdery mildew, India (231); *Pestalotiopsis adusta* (Ell. & Everh.) Steyaert, leaf spot, India (99); *P. versicolor* (Speg.) Steyaert, leaf spot, India (99); *Phaeoramularia occidentalis* (Cooke) Deighton, foliar blight, Argentina, Barbados, Brazil, Colombia, Dominican Republic, India, Philippines, Somalia, South Africa, Trinidad, USA (53); *Phanerochaeta salmonicolor* (Berk. & Broome) Jülich, pink disease, Australia (257); *P. nigricans* (Cooke) Deighton, angular leaf spot, USA (75); *Phoma exigua* Desm. var. *exigua*, leaf spot, India (99); *Phoma* sp., leaf spot, India (99); *Phomopsis cassiae* Da Camara, wilt and dieback, India (99), USA (75); *Phyllachora bakeriana* Henn., tar spot, Bermuda (99); *P. canafistulae* Stev. & Dalbey, tar spot, Costa Rica (281), Grenada (21), Jamaica (146), Puerto Rico (281), Trinidad & Tobago (22), USA (75), West Indies (281); *Phyllosticta dalbergiae* Piroz., leaf spot, India (99); *Phyllosticta amaltasia* Chandon & Tandon, leaf spot, India (99); *Pseudocercospora angulata* (Chupp & Solh.) Deighton, leaf spot, Bangladesh, Burma, Malaysia (99); *P. nigricans* (Cooke) Deighton, angular leaf spot, USA (75); *Pseudocercospora* sp., leaf spot, India (99); *Ravenelia berkleyi* Mundk. & Thirum., rust, India (99); *Rhizopus oryzae* Went & Prinsen Geerl., not stated, India (99); *Septoria cassicola* Kellerm. & Swingle, leaf spot, India (99); *Stagonospora* sp., leaf scorch, Pakistan (103); *Sterella cassiae* Abbasi & D. N. Shukla, leaf spot, India (99); *S. chandleri* (Hansf.) S. Singh & Kamal, leaf spot, India (99)

Cassia floribunda Cav.

Cercosporidium cassiae (Henn.) Deighton, leaf spot, Tanzania (239); *Cladosporium asteromatoides* Sacc., green mould, South Africa (99); *Macrophomina phaseolina* (Tassi) Goid., root rot, Tanzania (239); *Oidium* sp., powdery mildew, Australia (257), India (99), Pakistan (99, 127); *Phanerochaeta salmonicolor* (Berk. & Broome) Jülich, pink disease, Mauritius (207, 306), Tanzania (239)

Cassia fruticosa Miller

Dendryphiella vinosa (Berk. & M. A. Curtis) Reisinger, leaf spot, Sierra Leone (99); *Hypoxylon*

rubiginosum (Fr.) Fr., canker, Sierra Leone (99); *H. stygium* (Lév.) Sacc., canker, Sierra Leone (99); *Nectria dealbata* Berk. & Broome, dieback, Sierra Leone (99); *Periconia byssoides* Pers., leaf spot, Sierra Leone (99); *Phanerochaeta salmonicolor* (Berk. & Br.) Jülich, pink disease, Australia (257); *Thielaviostilbe* sp., root rot, Sierra Leone (99)

***Cassia goratensis* Fresen.**

Cercosporidium cassiae (Henn.) Deighton, leaf spot, USA (53); *Ravenelia baumiana* Henn., rust, South-west Africa, Uganda, Zimbabwe (99)

***Cassia grandis* L. f.**

Cercospora sp., leaf spot, Trinidad (99); *Phaeoisariopsis simulata* (Ell. & Everh.) Brown & Morgan-Jones, leaf spot, Colombia (49); *Phaeoramularia occidentalis* (Cooke) Deighton, foliar blight, Argentina, India, Philippines, Somalia (53); *Phellinus noxius* (Corner) G. Cunn., root rot, Papua New Guinea (250); *Phyllachora canafistulae* Stev. & Dalbey, tar spot, Costa Rica, Puerto Rico, West Indies (281); *Pseudocercospora bradburyae* (Young) Deighton, foliar blight, Barbados, Brazil, Colombia, Dominican Republic (53), Trinidad & Tobago (22, 53), South Africa, USA (53); *Stenella* sp., leaf spot, Cuba (99)

***Cassia javanica* L.**

Cercosporidium cassiae (Henn.) Deighton, leaf spot, Barbados (200); *Phyllachora canafistulae* Stev. & Dalbey, tar spot, Costa Rica, Puerto Rico, West Indies (281); *Rhizoctonia solani* Kühn, damping-off, Australia (257)

***Cassia javanica* L. ssp. *nodosa* (Roxb.) K. Larsen & S. Larsen**

Hypoxyton stygium (Lév.) Sacc., canker, India (99); *Phomopsis* sp., wilt and dieback, Cuba (99); *Phyllachora canafistulae* Stev. & Dalbey, tar spot, Trinidad & Tobago (22)

***Cassia nodosa* Roxb.**

Phanerochaete salmonicolor (Berk. & Broome) Jülich, pink disease, Australia (257); *Rhizoctonia solani* Kühn, foliar blight, India (99)

***Cassia obtusifolia* L.**

Aecidium cassiae Bresad., rust, Tanzania (72); *A. cassiae* Jurair & Khan, leaf blight, USA (36); *Fusarium* sp., stem canker, Tanzania (72); *Myrothecium roridum* Fr., leaf spot, India (291); *Oidium* sp., powdery mildew, Tanzania (72); *Phomopsis cassiae* Da Camara, leaf spot, Barbados (200); *Pseudocercospora nigricans* (Cooke) Deighton, leaf spot, India (99), USA (94); *Sphaceloma* sp., scab, Zimbabwe (240)

***Cassia surattensis* Burm. f.**

Alternaria cassiae Jurair & Khan, leaf spot, India (99); *Cercospora* sp., leaf spot, Burma (99); *Cochliobolus lunatus* Nelson & Haasis, leaf spot, India (99); *Fusarium equiseti* (Corda) Sacc., not stated, India (99); *Myrothecium roridum* Fr., leaf spot, India (291)

***Cassia swartzii* Wikström**

Ravenelia cassicola Atk., rust, Puerto Rico (281)

***Cassia* sp.**

Alternaria cassiae Jurair & Khan, foliar blight, India, South Africa (99); *Botryosphaeria dothidea* (Moug. & Fr.) Ces. & de Not., dieback, Sierra Leone (99); *Botryosphaeria* sp., dieback, India (99),

Zimbabwe (240); *Cercospora canescens* Ell. & Mart., leaf spot, India (99); *C. paulensis* Henn., foliar blight, Brasil (256); *C. pinnulicola* Atk., foliar blight, Sudan (283); *C. sphaeroidea* Speg., foliar blight, Argentina, Brazil, South Africa (53); *Cercospora* sp., leaf spot, Venezuela (278), Cuba, Uganda (99); *Cercosporidium cassiae* (Henn.) Deighton, leaf spot, Tanzania (99); *Cladosporium atriellum* Cooke, green mould, India (99); *Colletotrichum capsici* (H. Sydow) E. Butler & Bisby, anthracnose, Venezuela (99); *C. truncatum* (Schwein.) Andrus & Moore, anthracnose, India (99); *Dicheirinia spinulosa* (Baxter) Hennen & Cummins, rust, Mexico (60); *Diplodia cassiae-multijugae* Henn., canker, Pakistan (99); *Diplodia* sp., root rot, Venezuela (278); *Dothiorella* sp., canker, India (99); *Erysiphe cichoracearum* DC., powdery mildew, Sudan (283); *E. trifolii* Grev., powdery mildew, Zimbabwe (240); *Fusarium oxysporum* Schlecht., wilt, Australia (299), Tanzania (99); *F. solani* (Mart.) Sacc., wilt, Uganda (99); *Ganoderma* sp., root rot, Zimbabwe (99); *Glomerella cingulata* (Stonem.) Spauld. & Schrenk, anthracnose, Cuba, India, Sri Lanka, Trinidad (99); *Hypoxyton tinctor* (Berk.) Cooke, canker, Sierra Leone (99); *Irenina cubitella* Stev. & Tehon, sooty mould, Trinidad & Tobago (22); *Irenopsis chaemacristicola* (Stev.) Stev., sooty mould, Brazil (99); *I. toruloidea* (Stev.) Stev., sooty mould, Trinidad & Tobago (22); *Macrophomina phaseolina* (Tassi) Goid., wilt, India (99); *Mycosphaerella* sp., leaf spot, Cuba (99); *Oidium* sp., mildew, Bhutan, India (283), Malawi (307), Sudan (283), Thailand (99); *Periconia byssoides* Pers., leaf spot, India (231); *Phaeoisariopsis simulata* (Ell. & Everh.) Brown & Morgan-Jones, angular leaf spot, Tanzania (99), Venezuela (50, 99, 278); *Phaeoramularia occidentalis* (Cooke) Deighton, foliar blight, Argentina, Barbados (53), Brazil (53, 99), Colombia, Dominican Republic (53), Paraguay (99), Somalia, South Africa, Trinidad, USA (53); *Phanerochaete salmonicolor* (Berk. & Broome) Jülich, pink disease, Papua New Guinea (250); *Phellinus noxius* (Corner) G. Cunn., collar rot, Papua New Guinea (250); *Phomopsis cassiae* da Camara, wilt and dieback, India, Pakistan, Venezuela (99); *Phyllachora canafistulae* Stev. & Dalbey, tar spot, Trinidad & Tobago (22); *P. cassiae* Henn., tar spot, Brazil (256); *P. lactea* Theiss. & H. Sydow, tar spot, Costa Rica, Panama (279); *Phyllachora* sp., tar spot, Burma (99), Venezuela (278); *Phyllosticta cassiae* Chowdury, leaf spot, Brazil (256); *Phyllosticta* sp., leaf spot, Cuba (99); *Pseudocercospora nigricans* (Cooke) Deighton, foliar blight, East Africa, India (99), Japan, Puerto Rico (53), Sudan (99), USA (53), Venezuela (278); *Ravenelia cassiicola* Atk., rust, Venezuela (99); *R. mesillana* Ell. & Barth., rust, Mexico (99); *R. microspora* Dietel, rust, Brazil (256); *R. spinulosa* Dietel & Holway, rust, Mexico (99); *R. uleana* Henn., rust, Brazil (256); *R. wiehei* Cummins, rust, Malawi (99, 307); *Ravenelia* sp., rust, Malaysia (200), Malawi (99, 307), Zambia (99); *Rhizoctonia solani* Kühn, foliar blight, El Salvador (57, 282); *Sclerotium delphinii* Welch, root and collar rot, Ivory Coast (99); *Sphaerophragmium acaciae* (Cooke) Magnus, rust, Mexico (172); *Sphaerostilbe repens* Berk. & Broome, leaf spot, Trinidad & Tobago (22); *Thyronectria pseudotrichia* (Schwein.) Seeler, dieback, Nigeria, South Africa (99); *Uredo cassiicola* Henn., rust, Brazil (256); *Uredo pallida* Cooke & Masee, rust, Australia (257)

CENCHRUS

Cenchrus barbatus Schumach.

Puccinia cenchri Dietel & Holway, rust, Sudan (99); *P. cenchri* Dietel & Holway var. *africana* Cummins, rust, Sudan (99)

Cenchrus brownii Roem. & Schult. (syn.: *C. echinatus* Spreng., *C. inflexus* R. Br. and *C. viridis* Spreng.)

Ascochyta cenchricola Speg., leaf spot, Africa (99); *Cladosporium oxysporum* Berk. & M. A.

Curtis, inflorescence blight, Cuba (99); *Cladosporium* sp., inflorescence blight, Cuba (99); *Cochliobolus lunatus* Nelson & Haasis, leaf spot, Jamaica (99, 146); *Coniothyrium* sp., root rot, Cuba (99); *Leptosphaeria* sp., leaf spot, Brazil (256); *Magnaporthe grisea* (Herbert) M. E. Barr, leaf spot, Papua New Guinea (250); *Phyllachora sphaerosperma* Winter, tar spot, Barbados (200), Brazil (99, 211, 256), Colombia (202), Costa Rica (279), Cuba, Jamaica (99), Panama (279), Puerto Rico (281), St. Vincent (21, 99), Trinidad & Tobago (22), USA (75), Venezuela (50, 99, 278), Virgin Islands (281); *Phyllachora* sp., tar spot, Jamaica (146); *Puccinia cenchri* Dietel & Holway, rust, Australia (257), Bermuda (302), Barbados (99, 200), Brazil (99, 256), Colombia (125, 126, 202), Dominican Republic, Grenada, Jamaica (62, 99, 146), New Caledonia, Puerto Rico (281), St. Vincent (21), Trinidad & Tobago (22, 99), USA (75), Venezuela (50, 278, 310), Virgin Islands (281); *Sorosporium cenchri* (Bref.) Zundel, smut, Mexico, Puerto Rico (281), USA (75), Virgin Islands, West Indies (281); *Ustilago* sp., smut, Venezuela (278)

***Cenchrus ciliaris* L.** (African foxtail, buffel grass, carricera africana)

Ascochyta cenchricola Speg., leaf spot, West Africa (228); *Bipolaris zae* Sivan., leaf spot, Australia (99, 266); *Botryodiplodia theobromae* Pat., associated with rotted roots, Papua New Guinea (250); *Cerebella andropogonis* Ces., false smut, Kenya (99, 197), Malawi (55, 219), Tanzania (72, 99), Uganda, Zambia (99), Zimbabwe (118, 240); *Cladosporium* sp., associated with leaf blight, Tanzania (99, 72); *Claviceps fusiformis* Loveless, ergot, India (260); *Claviceps* sp., ergot, Australia (299), Zambia (99), Zimbabwe (240); *Curvularia* sp., leaf spot, Papua New Guinea (250); *Diplodina* sp., leaf blight, Pakistan (99); *Fusarium heterosporum* Fr., pink ear, Kenya (99, 197), Tanzania, Zambia (99), Zimbabwe (99, 240); *Gloeocercospora* sp., leaf spot, Kenya (197); *Magnaporthe grisea* (Herbert) M. E. Barr, leaf spot, Papua New Guinea (250); *Nigrospora sphaerica* (Sacc.) Mason, leaf spot, Papua New Guinea (99); *Periconia echinochloae* (Bat.) M. B. Ellis, leaf spot, Papua New Guinea (99); *Phyllachora* sp., tar spot, Tanzania (72); *Puccinia cenchri* Dietel & Holway var. *africana* Cummins, rust, Kenya (99, 197), Tanzania, Uganda (99); *Ramulispora* sp., leaf spot, Kenya (99), Tanzania (72, 99); *Rhizoctonia* sp., tiller rot, Australia (257); *Sorosporium cenchri* (Bref.) Zundel, smut, India (231); *S. penniseti* Mundkur, smut, India (99, 193), Kenya (99), Pakistan (2), Tanzania (99, 239); *Sphacelia* sp., ergot, India (99), Tanzania (99, 239)

***Cenchrus elymoides* F. Muell.**

Puccinia levis Sacc. & Bizz. var. *levis*, rust, Australia (299)

***Cenchrus mitis* Andersson**

Puccinia cenchri Dietel & Holway var. *africana* Cummins, rust, Kenya (99, 197)

***Cenchrus myosuroides* (Sw.) Nash**

Phyllachora sphaerosperma Winter, tar spot, Puerto Rico, Virgin Islands (281)

***Cenchrus pallidus* Hemsl.**

Puccinia cenchri Dietel & Holway, rust, Nicaragua (169); *Sorosporium syntherismae* (Peck) Farlow, smut, Nicaragua (169)

***Cenchrus pauciflorus* Benth.**

Puccinia cenchri Dietel & Holway, rust, Puerto Rico, Virgin Islands (281); *Sorosporium cenchri* Henn., smut, Hungary (99)

***Cenchrus pennisetiformis* Steud.**

Cladosporium spongiosum Berk. & M. A. Curtis, inflorescence blight, Pakistan (99); *Puccinia*

substriata Ell. & Barth. var. *penicillariae* Ramachar & Cummins, rust, Kenya (197); *Sorosporium penniseti* Mundkur, smut, Pakistan (99)

***Cenchrus setigerus* Vahl**

Claviceps sp., ergot, India (231); *Cochliobolus hawaiiensis* Alcorn, leaf spot, Australia (99); *C. perotidis* Alcorn, leaf spot, Australia (99); *Coniothyrium macrosporum* S. Ahmad, root rot, Pakistan (99); *Drechslera* sp., leaf spot, Australia (99); *Puccinia cenchri* Dietel & Holway, rust, Ghana (99); *P. cenchri* Dietel & Holway var. *africana* Cummins, rust, Ghana, Sudan (99); *Setosphaeria rostrata* Leonard, leaf blight, Australia (99); *Sorosporium cenchri* (Bref.) Zundel, smut, India (231); *S. penniseti* Mundkur, smut, India (99); *Sphacelia* sp., ergot, India (99); *Sphacelotheca panjabensis* H. Sydow, smut, India (193), Pakistan (2)

***Cenchrus tribuloides* L.**

Puccinia cenchri Dietel & Holway, rust, Bermuda (302), Puerto Rico, Virgin Islands (281), USA (99); *Sorosporium cenchri* (Bref.) Zundel, smut, USA (75); *S. syntherismae* (Peck) Farlow, smut, USA (99)

***Cenchrus* sp.**

Cladosporium spongiosum Berk. & M. A. Curtis, inflorescence blight, Cuba (99); *Cladosporium* sp., inflorescence blight, Pakistan (99); *Nigrospora sphaeria* (Sacc.) Mason, leaf spot, Cuba (99); *Puccinia cenchri* Dietel & Holway, rust, Australia (99), Colombia (202), Cuba, Dominican Republic, Mexico (99); *Puccinia* sp., rust, Venezuela (278); *Sorosporium cenchri* (Bref.) Zundel, smut, Mexico, Puerto Rico, Virgin Islands (281)

CENTROSEMA

***Centrosema acutifolium* Benth.**

Asterinella sp., sooty mould, Colombia (147); *Cercospora canescens* Ell. & Mart., leaf spot, Barbados (200), Bolivia, Brazil, Colombia, Costa Rica, Ecuador, French Guyana, Peru, Panama, Venezuela (161); *Colletotrichum gloeosporioides* (Penz.) Penz. & Sacc., leaf, stem and pod spot, Barbados (200), Brazil, Colombia, Peru (147); *Cylindrocladium colhounii* Peerally, zonate leaf spot, Colombia, Costa Rica (161); *Diaporthe phaseolorum* (Cooke & Ell.) Sacc., leaf spot and dieback, Barbados (200), Brazil, Colombia (161); *Phoma* sp., leaf spot, Colombia (147); *Phyllachora galactiae* Earle, tar spot, Venezuela (293); *Pseudocercospora bradburyae* (Young) Deighton, leaf spot, Brazil, Colombia, Costa Rica, Peru (161); *Rhizoctonia solani* Kühn, foliar blight, Colombia, Costa Rica, Peru (161); *Rhizoctonia* sp. (binucleate), foliar blight, Colombia (161, 205), Peru (147)

***Centrosema arenarium* Benth.**

Cercospora canescens Ell. & Mart., leaf spot, Colombia (161); *Colletotrichum gloeosporioides* (Penz.) Penz. & Sacc., leaf and pod spot, Colombia (161); *Linhartia* sp., white leaf blotch, Brazil (161); *Pseudocercospora bradburyae* (Young) Deighton, leaf spot, Brazil, Colombia (161); *Rhizoctonia solani* Kühn, foliar blight, Colombia, Costa Rica, Peru (161)

***Centrosema brasilianum* (L.) Benth. (cabeza de gallo)**

Alternaria macrospora A. W. Zimmerm., foliar blight, Uganda (99); *Ascochyta* sp., foliar blight, Uganda, Zimbabwe (99); *Asterinella* sp., sooty mould, Colombia (147); *Cercospora canescens* Ell. & Mart., leaf spot, Brazil, Colombia, Costa Rica, Peru (161, 165); *Colletotrichum gloeosporioides* (Penz.) Penz. & Sacc., leaf and pod spot, Brazil, Colombia, Costa Rica, Ecuador, Peru, Venezuela

(161, 165); *Corticium rolfsii* Curzi, wilt, Colombia (149, 161); *Cylindrocladium colhounii* Peeraly, zonate leaf spot, Colombia (161); *Pseudocercospora bradburyae* (Young) Deighton, leaf spot, Brazil, Colombia, Costa Rica, Peru (161, 165); *Rhizoctonia solani* Kühn, foliar blight, Australia, Brazil, Colombia, Costa Rica, Cuba, Ecuador, Panama, Peru, USA, Venezuela (161, 165); *Rhizoctonia* sp. (binucleate), Colombia (161, 205), Peru (147)

***Centrosema macrocarpum* Benth.**

Botryodiplodia theobromae Pat., crown rot, Colombia (147); *Cercospora canescens* Ell. & Mart., leaf spot, Brazil, Colombia, Costa Rica, Ecuador, Peru (161); *Cladosporium* sp., green mould on stems, Brazil (147); *Colletotrichum gloeosporioides* (Penz.) Penz. & Sacc., leaf, stem and pod spot, Brazil, Colombia, Costa Rica, Peru (161, 165); *Cylindrocladium colhounii* Peeraly, zonate leaf spot, Colombia, Costa Rica (161); *Diaporthe phaseolorum* (Cooke & Ell.) Sacc., leaf spot, Brazil (161); *Fusarium solani* (Mart.) Sacc., seed associate, Colombia (147); *Leptosphaerulina trifolii* (Rostrup) Petrak, leaf spot, Colombia (99); *Phoma sorghina* (Sacc.) Boerema, Dorenb. & van Kest., leaf spot, Brazil, Colombia (161); *Pseudocercospora bradburyae* (Young) Deighton, leaf spot, Brazil, Colombia, Costa Rica, Peru (161, 165); *Rhizoctonia solani* Kühn, foliar blight, Brazil, Colombia, Costa Rica, Peru (161, 165); *Rhizoctonia* sp. (binucleate), foliar blight, Colombia, Peru (147)

***Centrosema pascuorum* Benth.**

Alternaria longissima Deighton & MacGarvie, leaf spot, Australia (99); *Cercospora* sp., leaf spot, Nigeria (147); *Neocosmospora vasinfecta* E. F. Sm., wilt, Australia (99); *Rhizoctonia solani* Kühn, foliar blight, Australia (147), Colombia (161, 165)

***Centrosema plumieri* (Pers.) Benth. (butterfly pea, bejuco, bejuco de chivo)**

Cercospora canescens Ell. & Mart., foliar blight, Australia (257), Barbados (200), Colombia (161), French Guyana (24), Malaysia (99, 261), Sudan (99, 283); *Cochliobolus pallescens* (Tsuda & Ueyama) Sivan., leaf spot, French Guyana (24), Malaysia (99); *Colletotrichum gloeosporioides* (Penz.) Penz. & Sacc., foliar blight, Barbados (200), Colombia (161); *Pseudocercospora bradburyae* (Young) Deighton, leaf spot, Colombia (161), Cuba, Papua New Guinea (99); *Rhizoctonia solani* Kühn, foliar blight, Colombia (161), French Guyana (24), Indonesia, Malaysia (99), Peru (161), Papua New Guinea, Sierra Leone (99), USA (75)

***Centrosema pubescens* Benth. (butterfly pea, centro, bejuco chino, bejuco de chivo)**

Alternaria macrospora A. W. Zimmerm., leaf spot, Australia (161), Uganda (99); *Alternaria* sp., leaf spot, Colombia (147); *Ascochyta* sp., leaf spot, Uganda (99), Zimbabwe (99, 240); *Asteridiella* sp., sooty mould, Colombia (147); *Botryodiplodia theobromae* Pat., root and collar rot, Ghana (98), Malaysia, Thailand (99); *Cercospora canescens* Ell. & Mart., leaf spot, Bolivia, Brazil, Colombia, Costa Rica, Cuba, Ecuador, Peru (153, 161), USA (159), Venezuela (153, 161, 165); *C. centrosematicola* Yen & Lim, leaf spot, Malaysia (161); *C. centrosematis* Chupp & Müller, foliar blight and leaf spot, Philippines, Puerto Rico (99), Venezuela (53); *C. cylindrospora* F. Stev. & Sond., foliar blight, Mexico, Puerto Rico (53, 281); *Cercospora* sp., leaf spot, Australia (257), Nigeria (147); *Cochliobolus geniculatus* Nelson, leaf spot, Malaysia (99); *C. lunatus* Nelson & Haasis, leaf spot, Malaysia (99), Papua New Guinea (99, 250); *C. pallescens* (Tsuda & Ueyama) Sivan., leaf spot, French Guyana (24); *Colletotrichum gloeosporioides* (Penz.) Penz. & Sacc., leaf and pod spot, Australia (204), Barbados (200), Bolivia, Brasil, Ecuador, Peru, Colombia (161, 165), USA (159, 161), Venezuela (161, 165); *C. truncatum* (Schwein.) Andrus & Moore, pod spot, Colombia (161), USA (159); *Colletotrichum* sp., foliar blight, Papua New Guinea (99); *Coniothyrium* sp., foliar blight, Malaysia (99, 293), Papua New Guinea (99); *Corticium rolfsii* Curzi, wilt, Colombia (149), Malaysia (261, 287); *Curvularia* sp., leaf spot, Colombia (161); *Cylindrocladium*

colhounii Peeraly, zonate leaf spot, Colombia, Costa Rica (161); *Diaporthe phaseolorum* (Cooke & Ell.) Sacc., foliar leaf blight, Barbados (200), Brazil (99), Trinidad (22, 99); *Didymosphaeria* sp., shoot leaf blight, Papua New Guinea (99); *Drechslera biseptata* (Sacc. & Roum.) Richardson & Fraser, leaf spot, Malaysia (99); *Drechslera* sp., leaf spot, USA (161); *Fusarium decemcellulare* Brick, not stated, Malaysia (308); *F. pallidroseum* (Cooke) Sacc., not stated, New Guinea (99); *Fusarium* sp., root lesions, Colombia (161), Malaysia (308); *Leptosphaeria* sp., leaf spot, Trinidad, Vanuatu (99); *Leptosphaerulina trifolii* (Rostrup) Petrak, foliar blight, Solomon Islands, Uganda (99); *Meliola bicornis* Winter, sooty mould, Dominican Republic, Puerto Rico (281), Trinidad & Tobago (22), USA (161), West Indies (281); *M. denticulata* Winter, sooty mould, Brazil (99); *Nigrospora sphaerica* (Sacc.) Mason, leaf spot, Malaysia (99); *Oidium* sp., powdery mildew, Australia, USA (161); *Periconia byssoides* Pers., foliar blight, Malaysia (99), Papua New Guinea (250); *Phakopsora pachyrhizi* H. Sydow & Sydow, rust, Puerto Rico (295); *Phoma minatella* Sacc. & Penz., leaf spot, Solomon Islands (99); *Phoma sorghina* (Sacc.) Boerema, Dorenb. & van Kest., leaf spot, Uganda (99); *Phoma* sp., leaf spot, Papua New Guinea (99, 250); *Phyllosticta* sp., leaf spot, Malaysia (99, 170, 308), Tanzania (72); *Pseudocercospora bradburyae* (Young) Deighton, leaf spot, Australia (161), Barbados (200), Bolivia, Brazil, Colombia, Costa Rica (161, 165), Cuba (99), Dominican Republic (281), Ecuador (161), Fiji (78, 99), Ghana, Guinea, Hong Kong (99, 165), Jamaica (99, 146), Malaysia (53, 99, 110, 170, 261, 308), Nigeria (99), Papua New Guinea (99, 250), Peru (161, 165), Puerto Rico (281), Solomon Islands, Thailand (99), Venezuela (161, 165), Virgin Islands (281); *Pyrenochaeta* sp., leaf spot, Hong Kong (99); *Pythium* sp., stem and leaf rot, Malaysia (261, 287); *Rhizoctonia solani* Kühn, foliar blight, Australia, Brazil, Colombia, Costa Rica, Ecuador (153, 161), Ghana (99), Malaysia (111, 118, 308), Papua New Guinea (250, 99), Peru (153, 161), Seychelles, Solomon Islands (99), USA (161), Vanuatu (99); *Rhizoctonia* sp. (binucleate), foliar blight, Colombia (147, 205), Peru (147); *Sporidesmium bakeri* H. Sydow & Sydow, wilt, Malaysia (261, 287); *Uromyces neurocarpi* Dietel, rust, El Salvador (57, 282)

Centrosema virginianum (L.) Benth.

Cercospora canescens Ell. & Mart., leaf spot, Colombia (147); *C. centrosematis* Chupp & Müller, foliar blight, Venezuela (278); *C. clitoriae* Atk., foliar blight, USA (53); *C. cylindrospora* F. L. Stev. & Solh., foliar blight, Mexico, Puerto Rico (53, 281); *Colletotrichum truncatum* (Schwein.) Andrus & Moore, leaf spot, USA (159); *Meliola bicornis* Winter, sooty mould, USA (161); *M. denticulata* Winter, sooty mould, Brasil (99); *M. sydowii* Hansf., sooty mould, Costa Rica, Puerto Rico (281); *Phyllachora galactiae* Earle, tar spot, Bahamas, Dominican Republic, Puerto Rico (281), Venezuela (278), West Indies (281); *Pseudocercospora bradburyae* (Young) Deighton, foliar blight, Barbados (21, 53), Brazil, Colombia (161, 165), Dominican Republic, Puerto Rico, Trinidad, Venezuela (53); *Puccinia* sp., rust, Venezuela (278); *Rhizoctonia solani* Kühn, foliar blight, Colombia (161, 165), USA (75)

Centrosema sp.

Cercospora centrosematis Chupp & Müller, foliar blight, Philippines (99); *Colletotrichum truncatum* (Schwein.) Andrus & Moore, leaf spot, USA (159); *Colletotrichum* sp., foliar blight, Puerto Rico (99); *Pseudocercospora bradburyae* Young, leaf spot, Dominican Republic, Puerto Rico, Virgin Islands (281)

CHAMAECRISTA

Chamaecrista absus (L.) Irwin & Barneby (syn. *Cassia absus* L.)

Glomerella cingulata (Stonem.) Spauld. & Schrenk, anthracnose, Zambia (99); *Pestalotiopsis* sp.,

leaf spot, India (99); *Ravenelia berkleyi* Mundk. & Thirum., rust, India (99, 231), Tanzania (72, 99), Zambia (99); *R. indica* Berk., rust, Venezuela (124)

Chamaecrista aeschynomene (DC.) Irwin & Barneby (syn. *Cassia aeschynomene* DC.)
Erysiphe polygoni DC., powdery mildew, Puerto Rico, Virgin Islands (281); *Meliola chamaecristae* Earle, sooty mould, Puerto Rico (281); *Ravenelia cassiicola* Atk., rust, Puerto Rico (281)

Chamaecrista diphylla (L.) Irwin & Barneby (syn. *Cassia diphylla* L.)
Erysiphe polygoni DC., powdery mildew, Puerto Rico, Virgin Islands (281)

Chamaecrista glandulosa var. *swartzii* (Wikström) Irwin & Barneby (syn. *Cassia polyadena* DC.)
Meliola chamaecristae Earle, sooty mould, Puerto Rico (99); *Ravenelia cassiicola* Atk., rust, Barbados, (21, 200), Trinidad & Tobago (22); *Ravenelia* sp., rust, Barbados (99)

Chamaecrista granulata (Macbr.) Irwin & Barneby (syn. *Cassia granulata* (Urb.) Macbr.)
Irenopsis chamaecristicola (F. L. Stev.) F. L. Stev., sooty mould, Brazil, Virgin Islands (281)

Chamaecrista lineata (Sw.) Greene var. *brachyloba* (Griseb.) Irwin & Barneby
Irenopsis chamaecristicola (F. L. Stev.) F. L. Stev., sooty mould, Puerto Rico (99)

Chamaecrista mimosoides (L.) Greene (syn. *Cassia mimosoides* L.)
Uromyces cassiae-mimosoides Doidge, rust, South Africa (99)

Chamaecrista nictitans (L.) Moench (syn. *Cassia nictitans* L.) (wild sensitive plant)
Cercospora pinnulicola Atk., leaf spot, USA (53); *Ravenelia cassiicola* Atk., rust, USA (75)

Chamaecrista rotundifolia (Pers.) Greene (syn. *Cassia rotundifolia* Pers.) (Wynn cassia)
Cercospora sp., leaf spot, Brazil, Colombia (147); *Colletotrichum gloeosporioides* (Penz.) Penz. & Sacc., anthracnose leaf spot, Australia, Brazil, Colombia (147); *C. truncatum* (Schwein.) Andrus & Moore, leaf spot, Colombia (147); *Phomopsis* sp., leaf and pod spot, Australia (65), Brazil, Colombia (147); *Phyllosticta* sp., leaf spot, Zimbabwe (240); *Rhizoctonia solani* Kühn, foliar blight, Brazil, Colombia, Costa Rica, Peru (147)

Chamaecrista sp.
Meliola chamaecristae Earle, sooty mould, Puerto Rico (281)

CHLORIS

Chloris acicularis Lindley
Puccinia chloridis Speg., rust, Australia (99, 257); *Pyrenophora semeniperda* (Brittleb. & Adam) Shoem., leaf spot, Australia (299); *Sphacelotheca valentula* (H. Sydow) Walker, smut, Australia (299); *Ustilago valentula* H. Sydow, smut, Australia (99)

Chloris bournei Rangachariar & Tadulingam
Ustilago valentula H. Sydow, smut, India (193)

***Chloris breviseta* Benth.**

Ustilago induta H. Sydow, smut, Sierra Leone (99)

***Chloris ciliata* Sw.**

Puccinia cacabata Arthur & Holway, rust, Dominican Republic, Mexico (99)

***Chloris divaricata* R. Br.**

Ustilago induta H. Sydow, smut, Australia (99); *Ustilago* sp., smut, Australia (299)

***Chloris elegans* Kunth**

Uromyces archerianus Arthur & Fromme, rust, Mexico (99)

***Chloris gayana* Kunth (Rhodes grass, grama de Rhodes)**

Acroconidiellina chloridis M. B. Ellis, black leaf mould, Zambia (99); *Ascochyta graminicola* Sacc., leaf spot, Kenya (206); *A. leptospora* (Trail) Hara, leaf spot, Kenya (99); *Balansia epichloe* (Weese) Diehl, false smut, USA (12); *B. henningsiana* (Moell.) Diehl, false smut, USA (12); *Bipolaris australis* Alcorn, leaf spot, Australia (99); *B. sorghicola* (Lefebvre & Sherwin) Alcorn, leaf spot, Australia (99); *Cercospora caespitosa* Ell. & Everh., leaf spot, USA (12); *Cerebella andropogonis* Ces., false smut, Kenya, South Africa (99); *Cerebella* sp., false smut, Kenya (197); *Cladosporium herbarum* (Pers.) Gray, leaf spot, Tanzania (72); *Cladosporium* sp., inflorescence blight, Zambia (99); *Claviceps* sp., ergot, Kenya (99, 197); *Cochliobolus carbonum* Nelson, leaf spot, Malawi, Zimbabwe (99); *C. chloridis* Alcorn, leaf spot, Australia (6, 99), India, Kenya, Malawi (99), Tanzania (72, 99), Zambia (99); *C. hawaiiensis* Alcorn, leaf spot, Australia (6, 99), India, Nepal (99), USA (75, 271); *C. heterostrophus* (Drechs.) Drechs., leaf spot, India, Zimbabwe (99), Zambia (99, 238); *C. pallescens* (Tsuda & Ueyama) Sivan., leaf spot, Zambia (99); *C. sativus* (S. Ito & Kuribay.) Dastur., seed mould, Zimbabwe (240); *Colletotrichum graminicola* (Ces.) Wilson, anthracnose, Zambia (99), Zimbabwe (240); *Curvularia* sp., leaf spot, USA, (12); *Didymosphaeria* sp., shoot blight, Zambia (99); *Drechslera maydis* Shoem., leaf blight, India (224); *Fusarium equiseti* (Corda) Sacc., not stated, Kenya (99, 197); *F. heterosporum* Fr., head blight, Uganda (99); *Helminthosporium* sp., leaf spot, Kenya (197), Zambia (238), Zimbabwe (240); *Khuskia oryzae* Hudson, leaf spot, Colombia (99); *Leptosphaeria* sp., leaf spot, Nepal (99); *Myriogenospora atramentosa* (Berk. & M. A. Curtis) Diehl, crazy top, USA (12); *Nigrospora sphaerica* (Sacc.) Mason, leaf spot, Zambia (99); *Periconia lateralis* Ell. & Everh., leaf spot, Zambia (99); *Phyllachora boutelouae* Rehm., tar spot, USA (12); *P. cynodontis* Niessl, tar spot, Uganda (99), USA (75); *Polynema tricristatum* (Pat.) Sacc., foliar blight, USA (12, 75); *Pseudocochliobolus australiensis* Tsuda & Ueyama, leaf spot, Australia (6, 99), Japan (237), Zimbabwe (99); *Puccinia chloridis* Speg., rust, Kenya (99, 197), Malawi (26, 99, 307), Tanzania (72, 99), Uganda (99), USA (75), Zimbabwe (95, 99, 240); *P. dietelii* Sacc. & Sydow, rust, Zambia (99); *Pythium aphanidermatum* (Edson) Fitzp., damping-off, Australia (257); *Tetraploa ellisii* Cooke, leaf spot, Zimbabwe (240); *Tolyposporium chloridis* Henn., smut, Central & South Africa (280), Tanzania (72); *Uromyces kenyensis* Hennen, rust, Kenya (197)

***Chloris inflata* Link.**

Cochliobolus hawaiiensis Alcorn, leaf spot, Cuba (99)

***Chloris myriostachya* Hochst.**

Phyllachora chloridicola Speg., tar spot, Kenya (197); *Uromyces archerianus* Arthur & Fromme, rust, Kenya (99); *U. kenyensis* Hennen, rust, Kenya (99, 197)

***Chloris petraea* Sw.**

Balansia epichloe (Weese) Diehl, false smut, Puerto Rico (281), USA (75), Virgin Islands (281); *Meliola panici* Earle, sooty mould, Puerto Rico, West Indies (281)

***Chloris pilosa* Schumach.**

Puccinia dietelii Sacc. & Sydow, rust, Uganda (99)

***Chloris polydactyla* (L.) Sw.**

Phyllachora chloridicola Speg., tar spot, Colombia (202); *Puccinia dietelii* Sacc. & Sydow, rust, Ethiopia (99); *Sorosporium chloridicola* Beeli, smut, Congo (280)

***Chloris pycnothrix* Trin. (spider-web grass)**

Fusarium heterosporum Fr., pink ear, Uganda (99); *Phyllachora cynodontis* Niessl, tar spot, Ethiopia (99), Kenya (99, 206), Malawi, Trinidad, Zambia (99); *Puccinia chloridis* Speg., rust, Kenya (99, 197), Uganda, Zambia (99, 238), Zimbabwe (95, 99, 240); *P. dietelii* Sacc. & Sydow, rust, Ethiopia (99)

***Chloris radiata* Sw.**

Cochliobolus verruculosus (Tsuda & Ueyama) Sivan., leaf spot, Venezuela (99); *Phaeoseptoria* sp., sheath spot, Venezuela (99); *Phyllachora cynodontis* (Sacc.) Niessl, tar spot, Argentina (280), USA (211); *Setosphaeria rostrata* Leonard, leaf blight, Venezuela (99)

***Chloris retusa* Lagasca**

Puccinia chloridis Speg., rust, Uruguay (99)

***Chloris truncata* R. Br.**

Phyllachora koondrookensis Parbery, tar spot, Australia (299); *Ustilago* sp. aff. *U. induta* H. Sydow, smut, Australia (299)

***Chloris virgata* Sw. (feather grass)**

Ascochyta poagens Punith., leaf spot, USA (228); *Balansia epichloe* (Weese) Diehl, false smut, USA (75); *Cochliobolus sativus* (S. Ito & Kuribay.) Dastur, foliar blight, Nicaragua (169); *Drechslera hawaiiensis* M. B. Ellis, leaf spot, Australia (6); *D. maydis* Shoem., leaf spot, China (311); *Drechslera* sp., leaf spot, Kenya (206); *Phyllachora boutelouae* Rehm, tar spot, Nicaragua (169); *P. cynodontis* Niessl, tar spot, USA (75), Venezuela (99); *Puccinia chloridis* Speg., rust, Malawi (26, 55, 99), USA (75), Zimbabwe (99, 240), Zambia (95); *P. dietelii* Sacc. & Sydow, rust, Mexico, USA (99)

***Chloris* sp.**

Balansia discoidea Henn., false smut, Brazil, Peru (280); *Cochliobolus sativus* (S. Ito & Kuribay.) Dastur, leaf spot, Indonesia (99); *C. verruculosa* (Tsuda & Ueyama) Sivan., leaf spot, Indonesia (99); *Glomerella cingulata* (Stonem.) Spauld. & Schrenk, leaf spot, Colombia (99); *Khuskia oryzae* Hudson, leaf spot, Colombia (99); *Phyllachora bonariensis* Speg., tar spot, Nicaragua (169); *P. cynodontis* Niessl, tar spot, Brazil (256, 211), Colombia (202), Tanzania (72); *P. graminis* (Fr.) Fuckel, tar spot, Brazil (256); *P. oblongospora* Parbery, tar spot, Martinique (212); *Puccinia chloridicola* Henn., rust, Congo (280); *P. chloridina* Bacc., rust, Ethiopia (280); *P. chloridis* Speg., rust, Sudan (99); *Ustilago deserticola* Speg., smut, Argentina (280); *U. induta* H. Sydow, smut, Australia (257); *U. ulei* Henn., rust, Brazil (256, 280); *Ustilago* sp., smut, Tanzania (72)

CHRYSOPOGON

Chrysopogon aciculatus (Retz.) Trin.

Balansia andropogonis H. Sydow & Sydow, false smut, Burma (99), India (99, 280), Philippines (99); *Cochliobolus bicolor* Paul & Parbery, leaf spot, India (99); *Ephelis pallida* Pat., false smut, Philippines (280); *Phyllachora ischaemi* H. Sydow & Sydow, tar spot, Malaysia (99); *Puccinia meridensis* Kern, rust, Venezuela (121, 278); *Sorosporium andropogonis-aciculata* (Petch) Petch, smut, Australia (257), Philippines (99, 280), Sri Lanka (280); *Ustilago effusa* H. Sydow & Sydow, smut, India (193)

Chrysopogon acuta Retz. (love grass)

Balansia andropogonis H. Sydow & Sydow, false smut, Malaysia (99, 261); *B. pallida* Winter, false smut, Malaysia (99)

Chrysopogon coeruleus (Steud.) W. Wats.

Sorosporium tumefaciens McAlp., smut, India (193, 231)

Chrysopogon echinulatus (Steud.) W. Wats.

Phyllachora sp., tar spot, Pakistan (99); *Sphacelotheca chrysopogonicola* Mundk. & Thirum., smut, Pakistan (99)

Chrysopogon fallax S. T. Blake

Sorosporium tumefaciens McAlp., smut, Australia (257)

Chrysopogon fulvus (Spreng.) Chiov.

Sorosporium tumefaciens McAlp., smut, India (99), Pakistan (2)

Chrysopogon gryllus (L.) Trin.

Colletotrichum graminicola (Ces.) Wilson, anthracnose, India (99); *Phyllachora fallax* Sacc., tar spot, India (99); *P. graminis* (Fr.) Fuckel, tar spot, Pakistan (99); *Puccinia chrysopogonis* Barcl., rust, Germany, India (99); *P. pseudocesatii* Cummins, rust, Romania (99); *Rhynchosporium secalis* (Oudem.) Davis, leaf scald, India (99); *Septoria grylli* Sacc., leaf spot, Italy (280); *Sphacelotheca chrysopogonicola* Mundk. & Thirum., smut, Pakistan (2, 99)

Chrysopogon latifolius S. T. Blake

Cercospora sp., leaf spot, Australia (99); *Sorosporium tumefaciens* McAlp., smut, Australia (99)

Chrysopogon montanus Trin.

Phyllachora fallax Sacc., tar spot, India, Pakistan (99); *Puccinia duthiae* Ell. & Tracy, rust, India (99); *Sorosporium tumefaciens* McAlp., smut, India (231)

Chrysopogon serrulatus Trin.

Claviceps purpurea (Fr.) Tul., ergot, India (99); *Phyllachora fallax* Sacc., tar spot, India (99); *Puccinia duthiae* Ell. & Tracy, rust, India (99)

Chrysopogon sp.

Coniothyrium sp., leaf spot, Pakistan (99); *Diplodia* sp., leaf spot, Pakistan (99); *Ophiobolus* sp., root rot, Pakistan (99); *Periconia saraswatipurensis* Bilgrami, culm rot, Pakistan (99); *Phoma* sp.,

leaf spot, Pakistan (99); *Phomopsis* sp., culm spot, Pakistan (99); *Phyllachora fallax* Sacc., tar spot, India (99); *Phyllachora* sp., tar spot, Pakistan (99); *Pleospora* sp., leaf spot, Pakistan (99); *Puccinia chrysopogonis* Barcl., rust, India (99); *Puccinia* sp., rust, Uganda (99); *Sorosporium andropogonis-aciculati* (Petch) Petch, smut, Malaysia (99); *S. tumefaciens* McAlp., smut, Australia (92); *Sphaelotheca chrysopogoncola* Mundk. & Thirum., smut, India (99, 231)

CLITORIA

***Clitoria arborescens* R. Br.**

Uromyces neurocarpi Dietel, rust, Trinidad & Tobago (22, 99); *U. yurimaguensis* Henn., rust, Panama (60, 280), Peru (280)

***Clitoria fairchildiana* Howard**

Uromyces neurocarpi Dietel, rust, Brazil (99)

***Clitoria flacata* Lam.**

Cercospora ternatea Petch, leaf spot, Puerto Rico, Venezuela, West Indies (281); *Parodiella hedysari* (Schwein.) S. Hughes, leaf mould, Trinidad & Tobago (22, 99); *Uromyces neurocarpi* Dietel, rust, Brazil (121), Colombia (99, 121), Cuba, Ecuador, El Salvador Jamaica (121), Honduras (99), Mexico (281), Puerto Rico (121, 281), Trinidad & Tobago (22, 99), Venezuela (121, 278), West Indies (281)

***Clitoria guianensis* (Aubl.) Benth.**

Puccinia sp., rust, Venezuela (278); *Uromyces neurocarpi* Dietel, rust, Brazil (278), Colombia, Cuba, Ecuador, El Salvador, Jamaica, Puerto Rico, Trinidad, Venezuela (121)

***Clitoria laurifolia* Poirlet**

Colletotrichum gloeosporioides (Penz.) Penz. & Sacc., leaf spot, USA (159); *C. truncatum* (Schwein.) Andrus & Moore, leaf spot, USA (159); *Uromyces neurocarpi* Dietel, rust, Brasil (256, 280), Cuba, Jamaica, Mexico, Puerto Rico (281), Trinidad (280), West Indies (281)

***Clitoria mariana* L.**

Pseudocercospora clitoriae (Atk.) Deighton, leaf spot, USA (53, 99)

***Clitoria mexicana* Link**

Uromyces clitoriae Arthur, rust, Mexico (60)

***Clitoria ternatea* L. (butterfly pea, bejuco de conchita, campanilla, Asian pigeon wings)**

Alternaria alternata (Fr.) Keissler, India, foliar blight, (99); *Ascochyta pisi* Lib., foliar blight, Venezuela (278); *Cercospora canescens* Ell. & Mart., leaf spot, Australia (5), Trinidad (99); *Cercospora ternateae* Petch, leaf spot, Dominican Republic (53), Puerto Rico (53, 281), Sri Lanka, Venezuela, Philippines, Papua New Guinea (99, 250), Solomon Islands, Sudan (99), Taiwan (53, 99), Tanzania, Trinidad (99), USA (75), Venezuela, West Indies (281); *Cladosporium cladosporioides* (Fresen.) de Vries, green mould, India (99); *C. oxysporum* Berk. & M. A. Curtis, green mould, India (99); *Cladosporium* sp., green mould, Cambodia (167), India (99), Malaysia (99, 261), Sudan (99, 283); *Colletotrichum capsici* (H. Sydow) E. Butler & Bisby, anthracnose, India, Malaysia, Sudan (99); *C. crassipes* (Speg.) v. Arx, anthracnose, Barbados (200); *C. gloeosporioides*

(Penz.) Penz. & Sacc., anthracnose, Colombia, Brazil (147), India, Kenya (99), USA (159), Zimbabwe (99); *C. truncatum* (Schwein.) Andrus & Moore, leaf spot, USA (75, 159); *C. truncatum* f. sp. *clitoricola* Pavgi & Mukhopadhyay, anthracnose, Australia (5), India (99); *Colletotrichum* sp., anthracnose, Trinidad, Zambia (99); *Coniothyrium* sp., leaf spot, India (99); *Diaporthe phaseolorum* (Cooke & Ell.) Sacc., stem canker, Barbados (200); *Erysiphe polygoni* DC., powdery mildew, Vietnam (168); *Fusarium acuminatum* Ell. & Everh., seed associate, Sudan (99); *Macrophomina phaseolina* (Tassi) Goid., root rot, Sudan (99, 283); *Myrothecium roridum* Fr., leaf spot, India (99); *Oidium* sp., powdery mildew, Australia (299), India (195); *Periconia byssoides* Pers., leaf spot, India (231); *P. clitoriae* Subram., leaf spot, India (99, 231); *Phanerochaete salmonicolor* (Berk. & Broome) Jülich, pink disease, not stated (280); *Pseudocercospora clitoriae* (Atk.) Deighton, foliar blight, Australia (257), USA (75), Venezuela (278); *P. pantoleuca* (Sacc.) Deighton, leaf spot, Barbados, Burma, Dominican Republic, India (53, 99, 231), Kenya, Malaysia, Nigeria (280), Philippines (99, 280); *Pseudocercospora* sp., leaf spot, India (99); *Rhizoctonia solani* Kühn, foliar blight, Barbados (200), Colombia (147), Malaysia, Papua New Guinea (99, 250), Zambia (99); *Septoria lablabina* Sacc., foliar blight, Burma, India (99), Kenya (99, 197), Philippines (99); *Setosphaeria rostrata* Leonard, foliar blight, Kenya (99)

Clitoria sp.

Alternaria alternata (Fr.) Keissler, leaf spot, India (99); *Colletotrichum gloeosporioides* (Penz.) Penz. & Sacc., leaf spot, USA (159); *C. truncatum* (Schwein.) Andrus & Moore, leaf spot, USA (159); *Myrothecium roridum* Fr., leaf spot, India (99); *Periconia byssoides* Pers., leaf spot, Malaysia (99); *Rhizoctonia solani* Kühn, foliar blight, Malaysia (99); *Uromyces yurymaguasensis* Henn., rust, Peru (83)

CODARIOCALYX

Codariocalyx gyroides (DC.) Link (syn. *Desmodium gyroides* DC.)

Cercospora canescens Ell. & Mart., leaf spot, Brazil, Colombia, Costa Rica, Ecuador, Panama, Peru (163); *Colletotrichum gloeosporioides* (Penz.) Penz. & Sacc., anthracnose, Colombia (147); *Corticium rolfsii* Curzi, collar rot, Colombia (149)

CROTALARIA

Crotalaria aculeata De Wild.

Alternaria tenuissima (Pers.) Wiltsh., leaf spot, India (99)

Crotalaria agatiflora Schweinf.

Aecidium crotalariae Henn., rust, Kenya (197), Tanzania (72); *Aecidium* sp., rust, Kenya (177, 197); *Corticium rolfsii* Curzi, collar rot, Malawi (307); *Maravalia africana* Gjaerum, rust, Kenya, Tanzania (99); *M. crotalariae* H. Sydow, rust, Kenya (99, 197), Tanzania (72)

Crotalaria albida Roth

Parodiella hedysari (Schwein.) S. Hughes, leaf mould, India (99); *Pseudocercospora luxurians* (Kar & Mandal) Deighton, leaf spot, India (99)

***Crotalaria anthyllopsis* Baker**

Pyrenochaeta sp., leaf blotch, Zimbabwe (240)

***Crotalaria burkeana* Benth.**

Alternaria tenuissima (Pers.) Wiltsh., leaf spot, India (99); *Pleospora dichiomatricha* (Speg.) Wehm., leaf spot, Pakistan (99)

***Crotalaria brevidens* var. *intermedia* (Kotschy) Polhill, (crotalaria, slender leaf)**

Cercospora demetroniana Winter, leaf spot, Brazil, France, Trinidad, Uganda, USA (53); *Cercospora* sp., foliar blight, Venezuela (278)

***Crotalaria cajanifolia* H.B.K.**

Cercosporina josensis H. Sydow., leaf spot (53)

***Crotalaria calycina* Schwant.**

Parodiella hedysari (Schwein.) S. Hughes, leaf mould, Philippines (99)

***Crotalaria cleomifolia* Baker**

Asterina scitula H. Sydow & Sydow, black mildew, Sierra Leone, Tanzania, Uganda (99); *Dendryphiella interseminata* (Berk. & Rav.) Bubák & Ranojevic, leaf spot, Malaysia (261); *D. vinosa* (Berk. & M. A. Curtis) Reisinger, leaf spot, Malaysia (99); *Periconia byssoides* Pers., stem spot, Malaysia (99)

***Crotalaria ferruginea* Benth.**

Uromyces decoratus H. Sydow & Sydow, rust, Costa Rica (280), India (99), Sri Lanka (280)

***Crotalaria goreensis* Guill. & Perr. (Gambia pea)**

Calonectria sp., collar rot, Papua New Guinea (250); *Cercospora* sp., leaf spot, Australia (257); *Corticium rolfsii* Curzi, collar rot, Papua New Guinea (250); *Maravalia crotalariae* H. Sydow & Sydow, rust, Kenya (99); *Pleiochaeta setosa* (Kirchn.) S. Hughes, leaf and pod spot, Australia (257)

***Crotalaria grahamiana* Wight & Arn.**

Nectria haematococca Berk. & Broome, dieback, India (99)

***Crotalaria grandibracteata* Taubert**

Aecidium crotalariae Henn., rust, Tanzania (72), Uganda (280)

***Crotalaria incana* L. (cascabelillo vacío)**

Cercoseptoria sp., leaf spot, Venezuela (99); *Cladosporium* sp., green mould, Cuba (99); *Leveillula taurica* (Lév.) Arnaud, powdery mildew, Australia (257); *Pseudocercospora crotalariae* (Pavgi & U. P. Singh) Deighton, leaf spot, India (99); *Uredo crotalariae* Dietel, rust, Brazil (280); *U. theresiae* Neger, rust, Colombia (49); *Uromyces decoratus* H. Sydow & Sydow, rust, Venezuela (278)

***Crotalaria juncea* L. (sunn and false hemps, cáñamo de Bengala, matraca)**

Acremonium persicinum (Nicot) W. Gams, not stated, India (99); *Alternaria alternata* (Fr.) Keissler, India, Zambia (99); *A. longissima* Deighton & MacGarvie, leaf spot, India (99); *A. tenuissima* (Pers.) Wiltsh., leaf spot, India (99); *Alternaria* sp., foliar blight, Barbados (200), Zambia (238), Zimbabwe (240); *Ascochyta* sp., leaf spot, India, Zambia (99); *Botyodiplodia theobromae* Pat.,

collar rot, Nigeria (99); *Botrytis cinerea* Fr., inflorescence mould, Zimbabwe (240); *Ceratocystis fimbriata* Ell. & Halst., stem canker and leaf spot, India (15), Trinidad & Tobago (22), Venezuela (99); *Cercospora canescens* Ell. & Mart., foliar blight, Barbados (200), Hong Kong, India (99), Malawi (55, 99), Mauritius (99, 207), Nepal, Nigeria (99), Pakistan (99, 127), Papua New Guinea (99, 250), Trinidad (99), Zambia (99, 238), Zimbabwe (99); *C. crotalariae* Sacc., leaf spot, India (99, 231), Pakistan (99); *C. demetroniana* Winter, foliar blight, Dominican Republic (53), Tanzania (239), Trinidad & Tobago (22, 53), USA (53); *Cercospora* sp., leaf spot, Tanzania (99), Venezuela, (278), *Choanephora cucurbitarum* (Berk. & Rav.) Thaxter, blossom and leaf blight, India (99); *Cladosporium herbarum* (Link) Fr., grey mould, Zimbabwe (95); *C. oxysporum* Berk. & M. A. Curtis, green mould, India (99); *C. tenuissimum* Cooke, green mould, India (99); *Cladosporium* sp., green mould, Nepal (99); *Cochliobolus lunatus* (Tsuda & Ueyama) Sivan., leaf spot, India (99); *Colletotrichum curvatum* Briant & Martyn, anthracnose, India (231), Malawi (307), Trinidad & Tobago (22, 99), Zambia (238), Zimbabwe (240); *C. capsici* (H. Sydow) E. Butler & Bisby, leaf spot, India, Malaysia, Zimbabwe (99); *C. truncatum* (Schwein.) Andrus & Moore, anthracnose, India (99); *Corticium rolfsii* Curzi, wilt, India (99), USA (75), Zambia (99), Zimbabwe (95, 240); *Corynespora cassiicola* (Berk. & M. A. Curtis) Wei, leaf and stem spot, India, Nepal, Uganda (99); *Fusarium acuminatum* Ell. & Everh., damping-off, India (51); *F. equiseti* (Corda) Sacc., seed associate and wilt, India (99), Malawi (55, 99); *F. moniliforme* Sheldon, wilt and seed associate, Kenya (197), India (99); *F. pallidoroseum* (Cooke) Sacc., seed associate, India (99); *Fusarium udum* E. Butler f. sp. *crotalariae* (Kulkarni) Subram., seed associate and wilt, India (51), Zimbabwe (99); *Fusarium vasinfectum* Atk., wilt, Trinidad & Tobago (22); *Fusarium* sp., not stated, Bengal (3); *Glomerella cingulata* (Stonem.) Spauld. & Schrenk, anthracnose, Cuba (99); *Leptosphaerulina trifolii* (Rostrup) Petrak, leaf spot, Zambia (99); *Leveillula taurica* (Lév.) Arnaud, powdery mildew, Sudan (283); *Macrophoma* sp., canker, India, Nigeria (99); *Macrophomina phaseolina* (Tassi) Goid., root rot, India (99), Zimbabwe (95); *Mycosphaerella pinodes* (Berk. & Blox.) Vesterg., foliar blight, Zimbabwe (95, 240); *Myrothecium roridum* Fr., leaf spot, India (99); *Nematospora coryli* Peglion, yeast spot and seed rot, Tanzania (99, 239), Zimbabwe (95, 99, 240); *Neocosmospora vasinfecta* E. F. Sm., wilt, India (231); *Oidium* sp., mildew, India (99), Zambia (238, 99), Zimbabwe (95, 240); *Parodiella hedysari* (Schwein.) S. Hughes, leaf mould, India (99), Trinidad & Tobago (22); *Periconia byssoides* Pers., leaf spot, India, Zambia (99); *Pestalotia oxyanthi* Thüm., leaf spot, India (182); *Phomopsis* sp., dieback, Malawi (99); *Phyllosticta crotalariae* Sacc. & Trotter, leaf spot, Bengal (99), Malawi (99, 307), Malaysia, Zambia (99); *Phyllosticta* sp., leaf spot, Zambia (99), Zimbabwe (99, 240); *Pseudocercospora cotizensis* (Müller & Chupp) Deighton, leaf spot, Bangladesh, India (99); *Pythium aphanidermatum* (Edson) Fitzp., damping-off, India (253); *P. butleri* Subram., wilt, India (210); *Rhizoctonia solani* Kühn, Colombia (147), India, Sierra Leone, Zambia (99); *Sphaerella crotalariae* Petch, leaf spot, Zambia (99, 238); *Stachybotrys atra* Corda, leaf spot, India (214); *Thielaviopsis basicola* (Berk. & Broome) Ferraris, wilt, Zimbabwe (95, 99, 240); *Thielaviopsis* sp., wilt, Colombia (147); *Uromyces decoratus* H. Sydow & Sydow, rust, Bengal (3), Burma (232), Costa Rica (280), India (99, 231), Sri Lanka (280), Thailand (48); *Verticillium* sp., wilt, Zimbabwe (240)

***Crotalaria lachnophora* A. Rich.**

Alternaria alternata (Fr.) Keissler, leaf spot, India (99); *Cladosporium oxysporum* Berk. & M. A. Curtis, green mould, India (99); *Pseudocercospora* sp., leaf spot, India (99)

***Crotalaria lebrunii* Baker f.**

Gibberella zeae (Schwein.) Petch, root rot, Kenya (197)

***Crotalaria lepieurii* Guill. & Perr.**

Phakopsora pachyrhizi H. Sydow & Sydow, rust, Australia (120)

***Crotalaria latifolia* L.**

Cercospora sp., foliar blight, Barbados (200); *Colletotrichum truncatum* (Schwein.) Andrus & Moore, anthracnose, Barbados (200)

***Crotalaria makensis* Baker f.**

Uromyces harmsianus (Henn.) Doidge, rust, India (99)

***Crotalaria medicaginea* Lam.**

Cladosporium cladosporioides (Fresen.) de Vries, green mould, India (99); *Colletotrichum gangeticum* Pavgi & U. P. Singh, anthracnose, India (99); *Fusarium solani* (Mart.) Sacc., wilt, India (99); *Pseudocercospora cotizensis* (Müller & Chupp) Deighton, leaf spot, India (99); *P. crotalariae* (Pavgi & U. P. Singh) Deighton, leaf spot, India (99); *Uromyces decoratus* H. Sydow & Sydow, rust, India (99)

***Crotalaria mespontica* Taubert**

Asterina scitula H. Sydow, black mildew, Uganda (99)

***Crotalaria micans* Link**

Acremonium zonatum (Saw.) W. Gams, foliar blight, Papua New Guinea (99, 250); *Calonectria crotalariae* Peerally, collar rot, Sri Lanka, USA (218); *Cercospora cassiocarpa* (Sacc.) Chupp, leaf spot, Papua New Guinea (99); *Cercospora* sp., leaf spot, Papua New Guinea (250); *Cladosporium cladosporioides* (Fresen.) de Vries, blossom blight, Papua New Guinea (99, 250); *Cochliobolus lunatus* (Tsuda & Ueyama) Sivan., leaf spot, India (99); *Colletotrichum* sp., leaf spot, Malaysia (99); *Coniothyrium* sp., leaf spot, Zambia (99); *Corticium rolfsii* Curzi, collar rot, Papua New Guinea (250); *Fomes noxius* Corner, root rot, Nigeria (304); *Fusarium oxysporum* Schlecht., root rot, Papua New Guinea (99); *F. solani* (Mart.) Sacc., root rot, Papua New Guinea (99); *Fusarium* sp., associated with root rot, Papua New Guinea (99); *Leptosphaerulina trifolii* (Rostrup) Petrak, leaf spot, Sri Lanka (99); *Maravalia crotalariae* H. Sydow, rust, Malaysia (99, 111), Papua New Guinea (99, 250); *Meliola desmodii-laxiflori* Deighton var. *crotalariae* Deighton, sooty mould, Malaysia (99); *M. teramni* H. Sydow & Sydow, sooty mould, Malaysia, Papua New Guinea (99); *Mycosphaerella* sp., leaf spot, Malaysia, Papua New Guinea (99); *Nectria haematococca* Berk. & Broome, dieback, Malaysia (99); *Parodiella hedsari* (Schwein.) S. Hughes, leaf mould, India (231), Papua New Guinea (99, 250); *Periconia byssoides* Pers., leaf spot, Papua New Guinea (250); *Phakopsora crotalariae* (Dietel) Arthur, rust, Bolivia (76), Venezuela (121, 278); *Phakopsora pachyrhizi* H. Sydow & Sydow, rust, Australia (120); *Phanerochaete salmonicolor* (Berk. & Broome) Jülich, pink disease, Papua New Guinea (250); *Pleiochaeta setosa* (Kirchn.) S. Hughes, leaf spot, Malaysia (99, 261); *Pseudocercospora cotizensis* (Müller & Chupp) Deighton, leaf spot, Philippines (99), Venezuela (99, 278); *Rhizoctonia solani* Kühn, foliar blight, Malaysia (111); *Sclerotium* sp., leaf and stem dieback, Papua New Guinea (250); *Uredo theresiae* Neger, rust, Colombia (49, 125); *Uromyces decoratus* H. Sydow & Sydow, rust, Venezuela (278)

***Crotalaria mucronata* Desv. (syn: *Crotalaria striata* DC.) (cascabel, chipilin, crotalaria)**

Ascochyta phaseolorum Sacc., zonate leaf spot, Australia (4); *Ascochyta* sp., foliar blight, Venezuela (278); *Calonectria crotalariae* Peerally, collar rot, USA (75); *Cladosporium cladosporioides* (Fresen.) de Vries, green mould, India (99); *Corynespora cassicola* (Berk. & M. A. Curtis) Wei, dieback, Malaysia (111); *Cercospora canescens* Ell. & Mart., leaf spot, India (99); *C. crotalariae* Sacc., leaf spot, Puerto Rico (281), Sri Lanka (280); *C. demetroniana* Winter, leaf spot, USA (75); *Cercospora* sp., leaf spot, Dominican Republic, India (99); *Choanephora cucurbitarum* (Berk. & Rav.) Thaxter, blossom blight, Malaysia (99); *Colletotrichum capsici* (H. Sydow) E. Butler & Bisby, anthracnose, India (99), Malaysia (170), Zimbabwe (99); *C. crotalariae* Petch, anthracnose,

Tanzania (99); *C. curvatum* Briant & Martyn, anthracnose, Malawi, Zambia, Zimbabwe (99); *Fusarium* sp., root rot, USA (75); *Macrophomina phaseolina* (Tassi) Goid., wilt, Tanzania (99); *Maravalia crotalariae* H. Sydow, rust, Australia (99); *Mycosphaerella crotalariae* Petch, leaf spot, Sri Lanka (280); *Nectria haematococca* Berk. & Broome, dieback, India (99); *Nematospora coryli* Peglion, yeast spot, Tanzania (99); *Periconia byssoides* Pers., leaf spot, Malaysia (99); *Phakopsora pachyrhizi* H. Sydow & Sydow, rust, Brazil (296), Puerto Rico (295); *Phomopsis* sp., stem canker, Cuba (99); *Pleiochaeta setosa* (Kirchn.) S. Hughes, leaf and pod spot, Australia (257); *Pseudocercospora cotizensis* (Müller & Chupp) Deighton, leaf spot, Guinea, Hong Kong, India, New Caledonia (99), Papua New Guinea (99, 250), Puerto Rico, Singapore (99), USA (53); *Pythium myriotylum* Drechsl., collar rot, Malaysia (170); *Rhizoctonia solani* Kühn, foliar blight, Nicaragua (169), Malaysia (99, 170); *Sphaerella crotalariae* Petch, leaf spot, Malaysia (99)

***Crotalaria mysorensis* Roth**

Cercospora canescens Ell. & Mart., leaf spot, India (99); *Parodiella hedysari* (Schwein.) S. Hughes, leaf mould, India (99)

***Crotalaria nitens* HBK.**

Uromyces decoratus H. Sydow & Sydow, rust, Venezuela (50, 278)

***Crotalaria ochroleuca* Don**

Colletotrichum capsici (H. Sydow) E. Butler & Bisby, wilt, Zimbabwe (240); *C. curvatum* Briant & Martyn, anthracnose, Zimbabwe (99); *Fusarium oxysporum* Schlecht., wilt, Zimbabwe (240); *Septoria* sp., leaf spot, Zimbabwe (240)

***Crotalaria ononoides* Benth.**

Parodiella hedysari (Schwein.) S. Hughes, leaf mould, Nigeria, Uganda (99)

***Crotalaria ovalis* Pursh**

Parodiella hedysari (Schwein.) S. Hughes, leaf mould, Costa Rica (99)

***Crotalaria paulina* Schrank**

Fusarium sp., stem and root rot, Zimbabwe (240); *Uredo* sp., rust, Brazil (256)

***Crotalaria prostrata* Willd.**

Parodiella hedysari (Schwein.) S. Hughes, leaf mould, India (99)

***Crotalaria pumila* Schrank**

Cercosporina josensis H. Sydow, leaf spot (53)

***Crotalaria quinquefolia* L.**

Maravalia crotalariae H. Sydow, rust, Australia (99)

***Crotalaria retusa* L. (shak-shak, brusca, cachimbuto, cascabel)**

Alternaria alternata (Fr.) Keissler, India (99); *Cercospora canescens* Ell. & Mart., leaf spot, India (99); *C. crotalariae* Sacc., leaf spot, Papua New Guinea (99); *Choanephora cucurbitarum* (Berk. & Rav.) Thaxter, blossom blight, Ghana, Sierra Leone (99), Papua new Guinea (250); *Cladosporium* sp., green mould, India, Malaysia (99); *Colletotrichum crotalariae* Petch., anthracnose, Jamaica (146), Malaysia (111); *Colletotrichum* sp., anthracnose, Jamaica (99); *Corticium rolfsii* Curzi, collar rot, Indonesia (99); *Corynespora cassiicola* (Berk. & M. A. Curtis) Wei, leaf and stem spot,

Malaysia (99); *Dendryphiella vinosa* (Berk. & M. A. Curtis) Reisinger, leaf blight, Malaysia (99); *Erysiphe polygoni* DC., powdery mildew, Puerto Rico, Virgin Islands (281); *Macrophoma* sp., canker, Malaysia (99); *Oidium* sp., powdery mildew, Barbados (278), Jamaica, Sierra Leone (99); *Parodiella grammodes* (Kunze) Cooke, leaf mould, Puerto Rico (281); *P. hedydari* (Schwein.) S. Hughes, leaf mould, Grenada (21, 99), Guyana (99), Jamaica (99, 146), Nigeria (99), Sierra Leone (99), Trinidad & Tobago (22, 99), Uganda (99); *Periconia byssoides* Pers., leaf spot, Malaysia (99); *Pestalotiopsis* sp., leaf spot, Cuba (99); *Phyllosticta crotalariae* Sacc. & Trotter, leaf spot, Malaysia (99); *Phyllosticta* sp., leaf spot, Guinea (99); *Pseudocercospora cotizensis* (Müller & Chupp) Deighton, leaf spot, India (99); *Rhizopus stolonifer* (Fr.) Lind, inflorescence blight, Ghana (99); *Uromyces decoratus* H. Sydow & Sydow, rust, Ghana, Guinea, India, Nigeria (99)

***Crotalaria rosenii* (Pax) Polhill**

Maravalia africana Gjaerum, rust, Ethiopia (99)

***Crotalaria sagittalis* L.**

Cercospora demetroniana Winter, leaf spot (53)

***Crotalaria saltiana* Andrews**

Alternaria sp., leaf spot, India (99); *Phyllosticta crotalariae* Sacc. & Trotter, leaf spot, Malaysia (99); *Pseudocercospora cotizensis* (Müller & Chupp) Deighton, leaf spot, India, Philippines (99); *P. luxurians* (Kar & Mandal) Deighton, leaf spot, India (99)

***Crotalaria spectabilis* Roth**

Alternaria alternata (Fr.) Keissler, leaf spot, India (99); *A. tenuissima* (Pers.) Wiltsh., leaf spot, India (99); *Ascochyta pisi* Lib., foliar blight, Venezuela (278); *Choanephora cucurbitarum* (Berk. & Rav.) Thaxter, blossom blight, Sierra Leone (99), Trinidad & Tobago (22); *Cercospora canescens* Ell. & Mart., leaf spot, India (99); *C. crotalariae* Sacc., leaf spot, India (99); *C. demetroniana* Winter, leaf spot (53), Malawi (307), Venezuela (278, 310); *Cercospora* sp., leaf spot, India (99); *Cladosporium oxysporum* Berk. & M. A. Curtis, green mould, India (99); *C. tenuissimum* Cooke, green mould, India (99); *Colletotrichum capsici* (H. Sydow) E. Butler & Bisby, anthracnose, India (99); *Corynespora cassiicola* (Berk. & M. A. Curtis) Wei, dieback, Sierra Leone (99); *Mycosphaerella* sp., foliar blight, Venezuela (278); *Pseudocercospora crotalariicola* (Yen) Yen, leaf spot, India (99); *Pythium aphanidermatum* (Edson) Fitzp., wilt and damping-off, India (213); *Phomopsis* sp., stem canker, India (99); *Rhizopus oryzae* Went & Prinsen Geerl., not stated, India (99); *Septoria crotalariae* Viegas, leaf spot, Brazil (99)

***Crotalaria vallicola* Baker f.**

Uromyces harmsianus (Henn.) Doidge, rust, Tanzania (72, 99)

***Crotalaria verrucosa* L.**

Cercospora canescens Ell. & Mart., leaf spot, India (99); *C. demetroniana* Winter, leaf spot, India (231); *Colletotrichum crotalariae* Petch, anthracnose, Jamaica (99, 146); *Fusarium udum* E. Butler, wilt, India (99); *Phomopsis* sp., foliar blight, Barbados (200); *Pseudocercospora cotizensis* (Müller & Chupp) Deighton, leaf spot, Taiwan (99); *Stemphylium polymorphum* Corda, leaf spot, USA (99)

***Crotalaria vitelliana* Ker-Gawler**

Cephalosporium sp., dieback, El Salvador (57); *Cercospora* sp., foliar blight, Brazil (256); *Nectria dodgei* Heiser, dieback, El Salvador (57); *Pellicularia filamentosa* (Pat.) Rogers, root rot, El Salvador (57); *Rhizoctonia* sp., collar rot, Brazil (256); *Uredo crotalariae* Dietel, rust, Brazil (256);

Uredo crotalariae-vitellinae Dietel, rust, Brazil (256); *Uromyces decoratus* H. Sydow & Sydow, rust, Costa Rica, India, Sri Lanka (280)

***Crotalaria zanzibarica* Benth.**

Cercospora canescens Ell. & Mart., leaf spot, Malaysia (99, 170); *Corticium rolfsii* Curzi, wilt and drying, Malaysia (99, 261); *Dendryphiella interseminata* (Berk. & Rav.) Bubák & Ranojevic, leaf spot, Malaysia (261); *D. vinosa* (Berk. & M. A. Curtis) Reisinger, leaf spot, Malaysia, (99); *Maravalia crotalariae* H. Sydow, rust, Malaysia (261, 99), Papua New Guinea (250); *Meliola teramni* H. Sydow & Sydow, sooty mould, Papua New Guinea (99); *Phomopsis* sp., stem canker, Malaysia (99); *Phyllosticta crotalariae* Sacc. & Trotter, foliar blight, Malaysia (261); *Rhizoctonia* sp., foliar blight, Malaysia (261)

***Crotalaria* sp.**

Aecidium crotalariae Henn., rust, Brazil (256), Kenya (197), Tanzania (72, 99); *A. dielsii* Henn., rust, Tanzania (72); *Aecidium* sp., rust, Kenya (99); *Alternaria tenuissima* (Pers.) Wiltsh., leaf spot, India (99); *Armillaria mellea* (Fr.) Kummer, root rot, Tanzania (239); *Asterina scitula* H. Sydow, black mildew, Congo, Uganda (99); *Calonectria crotalariae* Peerally, collar and stem rot, USA (199); *C. theae* Loos var. *crotalariae* Loos, dieback, Papua New Guinea, Sri Lanka (99); *Cercospora canescens* Ell. & Mart., leaf spot, Togo, Zambia (99); *C. crotalariae* Sacc., leaf spot, India (231), Venezuela (50, 53); *C. demetroniana* Winter, leaf spot, Sudan, Togo (99); *Cercospora* sp., leaf spot, Tanzania (99); *Choanephora cucurbitarum* (Berk. & Rav.) Thaxter, blossom blight, Papua New Guinea (250), Trinidad (99); *Cladosporium* sp., green mould, India (99); *Colletotrichum capsici* (H. Sydow) E. Butler & Bisby, anthracnose, Zambia (99); *C. gloeosporioides* (Penz.) Penz. & Sacc., anthracnose, Malaysia (99), Puerto Rico, Virgin Islands (281); *Corticium rolfsii* Curzi, wilt, Australia (257), Nigeria (99), Trinidad & Tobago (22); *Diaporthe* sp., shoot dieback, Malaysia, Mauritius (99); *Fusarium moniliforme* Sheldon, wilt, India (99); *Maravalia africana* Gjaerum, rust, Ethiopia (99); *M. crotalariae* H. Sydow, rust, Indonesia, Malaysia (99), Papua New Guinea (250); *Mycosphaerella* sp., leaf spot, Uganda (99); *Myrothecium roridum* Fr., leaf spot, India (277); *Oidium* sp., powdery mildew, Venezuela (278), India (99); *Parodiella hedysari* (Schwein.) S. Hughes, leaf mould, Australia (257), Congo (99), India (99, 231), Kenya (197), Malaysia, Nigeria, Papua New Guinea (250), Sierra Leone (99), Tanzania (72, 99), Uganda (99); *Parodiella* sp., leaf mould, Brazil (183); *Phanerochaete salmonicolor* (Berk. & Broome) Jülich, pink disease, Malaysia (261); *Phomopsis* sp., stem canker, Mauritius (207); *Pleiochaete setosa* (Kirchn.) S. Hughes, leaf spot, Australia (235); *Pseudocercospora cotizensis* (Müller & Chupp) Deighton, leaf spot India, Malaysia, Taiwan (99), USA (53); *P. crotalariae* (Pavgi & U. P. Singh) Deighton, foliar blight, Venezuela (278); *P. luxurians* (Kar & Mandal) Deighton, leaf spot, India (99); *Rhizoctonia solani* Kühn, foliar blight, Hong Kong, Sierra Leone (99); *Rigidoporus lignosus* (Klotzsch) Imazeki, root rot, Malaysia (261); *Septoria crotalariae* Viegas, leaf spot, Venezuela (99); *Septoria* sp., leaf spot, Kenya, Zambia (99), Zimbabwe (240); *Stenella* sp., leaf spot, India (99); *Uredo crotalariae* Dietel, rust, Brazil (256); *Uromyces crotalariae* (Arthur) Baxter, rust, Brazil, Costa Rica, Mexico, South Africa (60); *U. harmsianus* (Henn.) Doidge, rust, Kenya (99, 197), Malawi, Uganda (99)

CYNODON

Cynodon dactylon (L.) Pers. (star grass, bermuda grass, bahama grass, doob, agrarista)
Acroconidiellina chloridis M. B. Ellis, black leaf mould, USA (99); *Alternaria alternata* (Fr.) Keissler, leaf spot, Argentina, Australia, Egypt (99); *A. tenuissima* (Pers.) Wiltsh., leaf spot, Zambia (99); *Ascochyta graminea* (Sacc.) Sprague & Johnson, leaf spot, Ethiopia (228), Italy (99);

Balansia cynodontis H. Sydow, false smut, Zimbabwe (95, 240); *B. peregianensis* Alcorn, leaf spot, Australia (8); *B. sacchari* (E. Butler) Shoem., leaf spot, Nigeria, Sierra Leone (99); *B. stenospila* (Drechs.) Shoem., foliar blight, USA (12, 79); *Cercospora cynodontis* Pavgi & Singh, leaf spot, India (99), Malaysia (170); *Cercospora* sp., foliar blight, Kenya (197); *Cercosporidium graminis* (Fuckel) Deighton, leaf spot, Argentina (99); *Cerebella andropogonis* Ces., false smut, Ethiopia (99), Kenya (99, 197), Philippines, Sudan, Tanzania (99), Zambia (99, 238), Zimbabwe (95, 240); *C. cynodontis* H. Sydow & Sydow, false smut, India (231), Philippines, South Africa, Sri Lanka (280); *Cladosporium* sp., inflorescence blight, Argentina (99); *Claviceps cynodontis* Langdon, ergot, Malawi, Nigeria (99), Zimbabwe (99, 240); *C. microcephala* (Wallr.) Tul., ergot, Romania (99); *Claviceps* sp., ergot, India (231), Kenya (197), Trinidad & Tobago (22), Zambia (99); *Cochliobolus carbonum* Nelson, leaf spot, Australia (99); *C. cynodontis* Nelson, leaf spot and brown patch, Australia (99), Bangladesh (201), Brazil (234), Ghana (99, 757), Guinea (99), Kenya (197), Malaysia (99, 170), Nicaragua (169), Pakistan (99), Papua New Guinea (250), Puerto Rico (303), Tanzania (239), Turkey, USA (12, 16, 79), Zambia (99, 238), Zimbabwe (99); *C. eragrostidis* (Tsuda & Ueyama) Sivan., leaf spot, Sierra Leone (99); *C. geniculatus* Nelson, leaf spot, Cuba, Sierra Leone (99); *C. hawaiiensis* Alcorn, leaf spot, Australia (99), Pakistan (99), USA (273), Zimbabwe (99, 240); *C. heterostrophus* (Drechs.) Drechs., leaf spot, Guinea, Jamaica (99), Taiwan (277); *C. intermedius* Nelson, leaf spot, USA (99); *C. lunatus* Nelson & Haasis, leaf spot, Barbados (200), India (99), Tanzania (72), USA (12); *C. pallescens* (Tsuda & Ueyama) Sivan., leaf spot, Jamaica, Malaysia (99, 170), Pakistan (99); *C. peregianensis* Alcorn, leaf spot, Australia (99); *C. sativus* (S.Ito & Kuribay.) Dastur, leaf spot and brown patch, Tanzania (239), Zimbabwe (95); *C. spicifer* Nelson, crown and stem necrosis, Australia (99), USA (16); *C. verruculosus* (Tsuda & Ueyama) Sivan., leaf spot, Jamaica (99); *Colletotrichum falcatum* Went, anthracnose, India (71); *C. graminicola* (Ces.) Wilson, foliar blight, Cambodia (167), USA (16, 79); *Corticium fuciforme* (Berk.) Wakef., red thread, USA, (12, 16); *C. rolfsii* Curzi, blight, USA (12, 16); *Curvularia senegalensis* (Speg.) Subram., leaf spot, Malaysia (99, 170); *Curvularia* sp., brown patch, Australia (257), Cambodia (167); *Drechslera gigantea* (Heald & Wolf) S. Ito, zonate eye-spot, El Salvador (57, 282), Papua New Guinea (250), USA (12, 16, 79, 99); *D. setariae* (S. Ito & Kuribay.) Dastur, foliar blight, USA (273); *D. triseptatum* (Drechs.) Subram. & Jain, foliar blight, USA (79); *Drechslera* sp., leaf spot, Hong Kong (99); *Erysiphe graminis* DC., powdery mildew, USA (16); *E. pallida* Pat., false smut, Zimbabwe (240); *Ephelis* sp., inflorescence mould, Papua New Guinea (99); *Fusarium acuminatum* Ell. & Everh., leaf blight, Malaysia (170); *F. equiseti* (Corda) Sacc., associated with leaf blight, Kenya (99, 197), Malaysia (99, 170); *F. heterosporum* Fr., pink ear, Kenya (177, 197); *F. nivale* Sacc., pink snow mould, fusarium patch, Australia (267), USA (16); *F. oxysporum* Schlecht., brown patch, Australia (99); *F. poae* (Peck) Wollenw., brown patch, Argentina (99); *F. scirpi* Lamb. & Fautr. var. *filiferum* (Preuss) Wollenw., leaf spot, Zambia (238); *Fusarium* sp., brown patch, Tanzania (239), Zambia (238), Zimbabwe (95, 240); *Helminthosporium* sp., leaf spot, brown patch, Australia (257); *Gibberella fujikuroi* (Saw.) S. Ito, associated with leaf blight, Malaysia (170); *G. tricinata* El-Gholl, McRitchie, Schoulties & Ridings, root rot, USA (99); *Gloeocercospora* sp., leaf spot, Kenya (197); *Helicobasidium purpureum* Pat., violet root rot, Zambia (238); *Helminthosporium* sp., foliar blight, Cambodia (167), USA (80), Venezuela (278); *Khuskia oryzae* Hudson, leaf spot, Argentina (99), Ghana (97, 99); *Leptosphaeria korrae* J. Walker & A. M. Sm., spring dead spot, USA (16, 56); *L. narmari* J. Walker & A. M. Sm., spring dead spot, Australia (90); *L. nodorum* Müller, seed associate, USA (129); *Leptosphaeria* sp., leaf spot, Pakistan, Venezuela (99); *Leptosphaerulina trifolii* (Rostrup) Petrak., leaf spot, South Africa (99); *Macrophoma* sp., canker, Pakistan (99); *Magnaporthe grisea* (Herbert) M. E. Barr, leaf spot, Egypt, Nigeria (99), USA (16, 79); *Myrothecium gramineum* Lib., leaf spot, Ghana (99); *Nigrospora* sp., leaf spot, Cambodia (168); *Periconia atro-purpurea* (Berk. & M. A. Curtis) Litvinov, leaf spot, India, Pakistan (99); *P. byssoides* Pers., leaf spot, Romania (99); *P. echinocloae* (Bat.) M. B. Ellis, leaf spot, India (99); *P. lateralis* Ell. & Everh., leaf spot,

Bangladesh, Burma (99), Cambodia (168), Ghana (2, 99), Guinea, Hong Kong (99), Mauritius (99, 207, 306), Sudan (99); *P. madreeya* Subram., leaf spot, India (99); *P. minutissima* Corda, leaf spot, India (99); *Pestalotiopsis* sp., leaf spot, Australia (99); *Phoma multirostrata* (Mathur et al.) Dorenb. & Boerema, leaf spot, Australia (99); *P. sorghina* (Sacc.) Boerema, Dorenb. & van Kest., leaf spot, Australia (99); *Phoma* sp., leaf spot, Australia, Ethiopia, Pakistan (99); *Phomopsis* sp., not stated, Cuba (99); *Phyllachora cynodontis* Niessl, tar spot, Australia (99), Austria (280), Bangladesh (99), Bengal (3), Brazil (99, 211), Bulgaria (280), Cambodia (168), China (280), Cyprus, Ethiopia (99), Egypt, France, Germany (280), Ghana (97, 99), Hong Kong (99), India (99, 211, 231), Iraq, Italy (99, 280), Japan (211, 280), Kenya (99, 197), Libya, Madiera (280), Malawi (99, 307), Malta (99), Mauritius (99, 306), Pakistan (3, 99, 127), Palestine (99), Philippines (99, 211), Portugal, Rwanda (211), Romania, Saudi Arabia (99), South Africa (99, 211), Spain (280), Sudan (34, 99), Taiwan (99), Tanzania (72, 99, 211), Togo (99), Uruguay, USSR (211), Yugoslavia (280), Zambia (99, 238), Zimbabwe (95, 99, 240); *P. graminis* (Fr.) Fuckel, tar spot, Australia (257), Brazil (183, 184), Hungary (99); *Phyllachora* sp., tar spot, Thailand (48), USA (12); *Physarum cinereum* (Batsch) Pers., slime mould, India, Tanzania, Zimbabwe (99); *P. didermoides* (Pers.) Rostrup, slime mould, Zimbabwe (99, 240); *P. melleum* (Berk. & Broome) Masee, slime mould, Tanzania (99); *P. vernum* Somm., slime mould, Zimbabwe (240); *Physoderma graminis* (Busgen) De Wild., leaf spot, India (99); *Pleospora ambigua* (Berl. & Bres.) Wehm., leaf spot, Argentina (99); *Polymyxa graminis* Ledingham, root rot, USA (12, 16); *Puccinia cynodontis* Desm., rust, Australia (91, 99, 257), Austria (280), Argentina, Bangladesh (280), Barbados (21, 99, 200), Bermuda, Brazil (256), Bulgaria (280), Burma (280), Cambodia (168), China (280), Colombia (202), Cyprus, Dominican Republic, El Salvador (57, 282), Ethiopia (99, 319), France (280), Ghana (97, 99), Germany, Guatemala (280), Guinea, India, Iraq, Italy (280), Jamaica (62, 99), Kenya (99, 197), Libya, Malawi (26, 99, 307), Malta, Mauritius (99, 207), Mexico (99), Nicaragua (169), Nigeria, New Caledonia (99), Pakistan (3, 99, 127), Papua New Guinea (99), Portugal (280), Puerto Rico (281, 303), Romania, Sierra Leone, Spain, Sri Lanka (280), Sudan (34, 99), Thailand (280), Trinidad & Tobago (22, 99), Turkey, USA (12, 79, 99), USSR (280), Venezuela (99, 278), West Indies (281), Zambia (99), Zimbabwe (240); *P. wangikarii* Somani, rust, India (99); *Puccinia* sp., rust, USA, (79); *Pyrenochaeta terrestris* (Hansf.) Gorenz et al., root rot, USA (16); *Pythium aphanidermatum* (Edson) Fitzp., blight and root rot, USA (12, 16, 79); *P. ultimum* Trow, root rot, USA (12, 75); *Pythium* sp., root rot and drying USA, (79); *Ramulispora* sp., leaf spot, Kenya (99, 197), Sudan (99); *Rhizoctonia cerealis* (Höhnelt) Boerema & Verh., yellow patch, USA (16); *R. solani* Kühn, foliar blight, crown and root rot and brown patch, Australia (99, 257), Malaysia (99, 170), Sierra Leone (99), Tanzania (239), USA (12, 16, 79, 80), Zimbabwe (95, 240); *R. zeae* Voorveers, leaf and sheath spot, USA (16); *Rhizoctonia* sp., foliar blight, USA (79); *Sclerotinia homoeocarpa* Bennett, dollar spot, Australia (267), USA, (12, 16, 79, 80); *Sclerotium portoricense* Stev., collar rot, Puerto Rico, Virgin Islands (281); *Septoria cynodontis* Fuckel, foliar blight, Germany (280), India (231), USA (12); *Setosphaeria rostrata* Leonard, leaf blight, Malaysia (99), Taiwan (312), USA (12, 79); *Sorosporium* sp., smut, Hong Kong (99); *Sphacelia* sp., ergot, Sudan (99), Malawi (307); *Uredo* sp., rust, Costa Rica (99); *Ustilago cynodontis* (Pass.) Henn., smut, Australia (91, 99, 257), Bengal (3), Bulgaria (280), Canary Islands, China, Cyprus (99), Ethiopia (99, 319), Greece, Hong Kong (99), India (99, 193, 231), Iran Iraq, Israel, Japan (280), Kenya (99, 197), Libya (280), Malawi (307), Morocco, New Zealand, Nigeria (280), Pakistan (2, 99, 127), Palestine, Portugal (280), Romania (99), Spain (99, 280), Sudan, South Africa (99), Tanzania (239), Uganda, USA, USSR (99), Zambia (99, 238), Zimbabwe (95, 99, 240); *U. dregeana* Tul., smut, South Africa (280, 319); *Ustilago hitchcockiana* Zundel, smut, India (231), Kenya (197, 319); *Ustilago paraquariensis* Speg., smut, Brazil (256), Paraguay (319)

Cynodon nlemfuensis Vanderyst

Balsania cynodontis H. Sydow, false smut, Zimbabwe (240); *Magnaporthe grisea* (Herbert) M. E.

Barr, leaf spot, Zimbabwe (240); *Puccinia cynodontis* Desm., rust, Zimbabwe (240); *Ustilago cynodontis* (Pass.) Henn., smut, Zambia (99), Zimbabwe (240)

Cynodon plectostachyum (Schumach.) Pilger (giant star grass)

Ascochyta zeicola Ell. & Everh., leaf spot, Cuba (228), Venezuela (99, 228); *Balansia cynodontis* H. Sydow, false smut, Zimbabwe (95); *Cercospora* sp., leaf spot, Kenya (99); *Cerebella andropogonis* Ces., false smut, Uganda (99), Kenya (197); *Cladosporium* sp., inflorescence blight, Kenya (99); *Claviceps purpurea* (Fr.) Tul., ergot, Kenya (197); *Cochliobolus lunatus* Nelson & Haasis, leaf spot, Venezuela (99); *Erysiphe graminis* DC., powdery mildew, Kenya (197); *Fusarium equiseti* (Corda) Sacc., wilt, Kenya (197); *Gloeocercospora* sp., leaf spot, Kenya (197); *Magnaporthe grisea* (Herbert) M. E. Barr., leaf spot, Zimbabwe (99); *Periconia lateralis* Ell. & Everh., leaf spot, Uganda (99); *Phoma* sp., leaf spot, Hong Kong (99); *Phyllachora cynodontis* Niessl, tar spot, Kenya (99, 197), Uganda (99); *Puccinia cynodontis* Desm., rust, Barbados (200), Kenya (99, 197), Nigeria, Zambia (99); *Ramulispora* sp., leaf spot, Kenya (99); *Tetraploa aristata* Berk. & Broome, leaf spot, Kenya (177); *Ustilago cynodontis* (Pass.) Henn., smut, Kenya (177), Uganda (99, 319), Zambia (99)

Cynodon transvaalensis Davy (germiston grass)

Cochliobolus australiensis Alcorn, leaf spot, Australia (99); *C. sativus* (S. Ito & Kuribay.) Dastur, brown patch, Zimbabwe (95); *Colletotrichum graminicola* (Ces.) Wilson, anthracnose, Australia (99); *Leptosphaerulina trifolii* (Rostrup) Petrak, leaf spot, South Africa (99); *Pleospora gramineum* Died., brown patch, Zimbabwe (95); *Rhizoctonia solani* Kühn, brown patch, Zimbabwe (95)

Cynodon sp.

Cochliobolus verruculosus (Tsuda & Ueyama) Sivan., leaf spot, Malaysia (99); *Magnaporthe grisea* (Herbert) M. E. Barr, leaf spot, Uganda (99); *Phyllachora cynodontis* Niessl, tar spot, Kenya, Malawi, Thailand, Zimbabwe (99); *Physarum vernum* Somm., slime mould, Malawi (99); *Ustilago cynodontis* (Pass.) Henn., smut, Kenya (177), South Africa, Uganda (99); *Ustilago paraquariensis* Speng., smut, Brazil (256)

DESMANTHUS

Desmanthus brachylobus Benth.

Cercosporidium desmanthii (Ell. & Kellerm.) Dearn., leaf spot, USA (75, 99)

Desmanthus cooleyi (Eaton) Trel.

Ravenelia texensis Dietel var. *texensis*, rust, USA, Mexico (60)

Desmanthus virgatus (L.) Willd. (petite cassia, dwarf koa)

Camptomeris desmanthii Cif., leaf spot, Chile (99); *Cercosporidium desmanthii* (Ell. & Kellerm.) Dearn., foliar blight, Jamaica (99, 146); *Phomopsis* sp., stem canker, Cuba (99)

DESMODIUM

Desmodium adscendens (Sw.) DC. (pega-pega, desmodio)

Meliola bicornis Winter, sooty mould, Dominican Republic (281), Jamaica (99), Puerto Rico (281),

Sierra Leone (99), Trinidad & Tobago (22, 99), Venezuela (50, 278), West Indies (281); *Parodiella grammodes* (Kunze) Cooke, leaf mould, Puerto Rico (281); *P. hedysari* (Schwein.) S. Hughes, leaf mould, Jamaica, Sierra Leone, Trinidad (99); *Pestalotiopsis theae* (Saw.) Steyaert, leaf spot, Tanzania (99); *Phyllosticta desmodiiphila* Speg., white leaf spot, Puerto Rico (281); *Synchytrium desmodii* Munasinghe, false rust, Tanzania (99); *Uromyces orbicularis* Dietel, rust, Bolivia (76)

***Desmodium albiflorum* Salzm.**

Uromyces hedysari-paniculati (Schwein.) Farlow, rust, Trinidad & Tobago (22, 99), Venezuela (50)

***Desmodium asperum* Desv.**

Uromyces hedysari-paniculati (Schwein.) Farlow, rust, Trinidad & Tobago (22, 99)

***Desmodium axillare* (Sw.) DC. (amor seco, cadillo, pega-pega)**

Cercospora sp., foliar blight, Jamaica (146); *Meliola bicornis* Winter, sooty mould, Dominican Republic, Puerto Rico (281), Trinidad & Tobago (22, 99), West Indies (281); *M. vignae-gracilis* Hansf. & Deighton var. *panamensis* Hansf., sooty mould, Ecuador, Panama, Puerto Rico, Venezuela (281); *Pseudocercospora desmodii-salicifolii* Deighton, leaf spot, Sierra Leone (99); *Uromyces hedysari-paniculati* (Schwein.) Farlow, rust, Mexico, Puerto Rico (231), Venezuela (50, 278), West Indies (281)

***Desmodium barbatum* (L.) Benth. (tick clover, barbadiño, cadillo)**

Colletotrichum gloeosporioides (Penz.) Penz. & Sacc., leaf spot, Australia (298), Colombia (163), USA (159); *C. truncatum* (Schwein.) Andrus & Moore, leaf spot, USA (159); *Corticium rolfsii* Curzi, wilt, Colombia (149); *Meliola bicornis* Winter, sooty mould, Trinidad & Tobago (22, 99); *Parodiella hedysari* (Schwein.) S. Hughes, leaf mould, Trinidad & Tobago (22), Venezuela (50, 278), Zambia (99)

***Desmodium brachypodum* A. Gray**

Pseudocercospora sp., leaf spot, Australia (299)

***Desmodium bracteosum* Hemsl.**

Uromyces hedysari-paniculati (Schwein.) Farlow, rust, South America, USA (17)

***Desmodium cajanifolium* (HBK) DC. (amor seco, empanaditas, pega-pega)**

Cercospora sp., foliar blight, Venezuela (278); *Puccinia* sp., rust, Venezuela (278); *Woroninella amagensis* Mayor, false rust, Colombia (49)

***Desmodium canadense* DC.**

Cercospora desmodiicola Atk., leaf spot, South America (17, 53), USA (75); *Parodiella hedysari* (Schwein.) S. Hughes, leaf mould, USA (75, 99); *Phyllosticta* sp., leaf spot, (75); *Ramularia* sp., leaf spot, (75); *Uromyces hedysari-paniculati* (Schwein.) Farlow, rust, USA, (17, 75, 99)

***Desmodium canescens* (L.) DC.**

Cercospora desmodiicola Atk., leaf spot, USA (53); *Parodiella hedysari* (Schwein.) S. Hughes, leaf mould, USA (75), Venezuela (50); *Ramularia* sp., leaf spot, USA (75); *Uromyces hedysari-paniculati* (Schwein.) Farlow, rust, USA (17, 75, 99)

***Desmodium dichotomum* (Willd.) DC.**

Phyllosticta desmodii Ell. & Everh., leaf spot, Sudan (99); *Pseudocercospora desmodii-salicifolii* Deighton, leaf spot, Sierra Leone (99)

***Desmodium distortum* (Aublet) Macbr.**

Ascochyta phaseolorum Sacc., zonate leaf spot, Australia (4); *Cercospora melaleuca* Ell. & Everh., foliar blight, Jamaica (99); *Cladosporium* sp., inflorescence blight, India (99); *Corticium rolfsii* Curzi, wilt, Colombia (149)

***Desmodium elegans* DC.**

Aecidium callianthum H. Sydow, rust, India (99); *Meliola bicornis* Winter, sooty mould, Indonesia (99); *Phyllachora desmodii* Henn., tar spot, India (99); *Phyllachora* sp., tar spot, India (99); *Uredo* sp., rust, India (99); *Uromyces capitatus* Sydow, rust, India (99)

***Desmodium frutescens* Schindler**

Irenina meibomia F. L. Stev., sooty mould, Trinidad & Tobago (22); *Meliola bicornis* Winter, sooty mould, Trinidad & Tobago (22); *Phakopsora meibomia* Arthur, rust, Trinidad & Tobago (22)

***Desmodium gangeticum* (L.) DC.**

Cercospora melaleuca Ell. & Everh., foliar blight, India (99); *Cercospora* sp., foliar blight, India (99); *Colletotrichum capsici* (H. Sydow) E. Butler & Bisby, anthracnose, India (99); *Colletotrichum* sp., anthracnose, India (99); *Corticium rolfsii* Curzi, collar rot, Colombia (149); *Curvularia trifolii* (Kauffm.) Boedijn, foliar blight, India (99); *Glomerella cingulata* (Stonem.) Spauld. & Schrenk, anthracnose, India (99); *Leptosphaeria ogilviensis* (Berk. & Broome) Ces. & de Not., foliar blight, India (99); *Meliola bantamensis* Hansf., sooty mould, Indonesia, Philippines (99); *M. bicornis* Winter, sooty mould, Indonesia, Philippines, Sierra Leone (99); *M. scabriseta* var. *integra* Deighton, sooty mould, Philippines (99); *Mycovellosiella* sp., leaf spot, India (99); *Nectria ochroleuca* (Schwein.) Berk., dieback, Tanzania (99); *Parodiella hedsari* (Schwein.) S. Hughes, leaf mould, India (99); *Pestalotiopsis adusta* (Ell. & Everh.) Steyaert, leaf spot, India (99); *Phaeoisariopsis griseola* (Sacc.) Ferraris, angular leaf spot, India (99); *Phakopsora meibomia* Arthur, rust, India (99); *Phoma* sp., leaf spot, India (99); *Phyllosticta* sp., foliar blight, India (99); *Pseudocercospora bhopalensis* Deighton, foliar blight, India (99); *Pyrenochaeta* sp., foliar blight, India (99)

***Desmodium glabrum* (Miller) DC.**

Cercospora desmodii Ell. & Kellern., leaf spot, Malaysia (53, 261), USA (75); *Cercosporidium caespitosum* (Petraik & Cif.) Deighton, leaf spot, Mexico (99); *Corticium rolfsii* Curzi, root and stem rot, USA (75); *Oidium* sp., powdery mildew, Venezuela (99); *Uromyces hedsari-paniculati* (Schwein.) Farlow, rust, Mexico (99)

***Desmodium glandiflorum* (Walt.) DC.**

Cercospora desmodii Ell. & Kellerm., leaf spot, Canada (99); *Phaeoisariopsis desmodii* Deighton, angular leaf spot, USA (99)

***Desmodium gyrans* (L. f.) DC.**

Cercospora canescens Ell. & Mart., leaf spot, India (115)

***Desmodium hamosum* Loudon**

Meliola bantamensis Hansf., sooty mould, India (99)

***Desmodium heterocarpon* (L.) DC.**

Cercospora sp., leaf spot, Brazil, Colombia (165); *Colletotrichum gloeosporioides* (Penz.) Penz. & Sacc., anthracnose, Australia (298), Bolivia, Brazil, Colombia (163), USA (159); *C. truncatum*

(Schwein.) Andrus & Moore, anthracnose, Colombia (163); *Corticium rolfsii* Curzi, collar rot, Colombia (149); *Helminthosporium desmodii* Togashi & Katsuki, leaf spot, Japan (99); *Oidium* sp., powdery mildew, Brazil, Colombia (163); *Pestalotiopsis versicolor* (Speg.) Steyaert, leaf spot, Hong Kong (99); *Synchytrium desmodii* Munasinghe, false rust/wart, Colombia (154, 163)

Desmodium heterophyllum (Willd.) DC. (trébol japonés, hetero)

Cercospora sp., leaf spot, Colombia (165); *Corticium rolfsii* Curzi, wilt, Colombia (149); *Rhizoctonia solani* Kühn, foliar blight, Brazil, Colombia, Peru (163)

Desmodium incanum DC. (syn. *Desmodium canum* DC.) (beggard weed, amor seco, cadillo, empanaditas)

Aecidium sp., rust, Venezuela (99); *Asteridiella meibomiaie* (F. L. Stev.) Hansf., sooty mould, Puerto Rico (281), Trinidad (99); *Cercospora canescens* Ell. & Mart., leaf spot, Barbados (200), Brazil, Colombia (165); *Cercospora* sp., leaf spot, Jamaica (146); *Cladosporium oxysporum* Berk. & M. A. Curtis, not stated, Cuba (99); *Corticium rolfsii* Curzi, collar rot, Colombia (149); *Meliola bicornis* Winter, sooty mould, Brazil (99), Dominican Republic (99, 281), Puerto Rico (281), Venezuela (50, 278), West Indies (281); *M. denticulata* Winter, sooty mould, Venezuela (278); *M. desmodii* Kars. & Roumten., sooty mould, Venezuela (50, 278); *M. meibomiaie* F. L. Stev. & Tehon var. *victoriana* H. Sydow, sooty mould, Venezuela (99); *Meliola* sp., sooty mould, Costa Rica (99); *Oidium* sp., powdery mildew, Barbados (99, 200), Cuba (99); *Phakopsora meibomiaie* (Arthur) Arthur, rust, Dominican Republic, Puerto Rico (281); *Phomopsis* sp., foliar blight, Cuba (99); *Pseudocercospora meibomiaie* (Chupp) Deighton, foliar blight, Cuba (99), Venezuela (53, 278); *Uromyces castaneus* H. Sydow & Sydow, rust, Brazil (256); *Uromyces* sp., rust, Brazil (14)

Desmodium infractum DC.

Uromyces hedysari-paniculati (Schwein.) Farlow, rust, El Salvador (57)

Desmodium intortum (Miller) Urb. (amor seco, cadillo, desmodio verde)

Aecidium sp., rust, Jamaica (99); *Ascochyta phaseolorum* Sacc., zonate leaf spot, Australia (4); *Cercospora canescens* Ell. & Mart., leaf spot, Australia (5); *C. demodiiicola* Atk., foliar blight, USA, Jamaica (53); *C. melaleuca* Ell. & Everh., foliar blight, Jamaica (99, 146); *Colletotrichum gloeosporioides* (Penz.) Penz. & Sacc., leaf spot, Colombia (163); *C. truncatum* (Schwein.) Andrus & Moore, leaf spot, Colombia (163); *Oidium* sp., powdery mildew, Colombia (165); *Pythium middletonii* Sparrow, wilt and dieback, Australia (99); *Synchytrium citrinum* (Lagerh.) Gäum., false rust, Colombia (154, 163), Jamaica (146), Venezuela (50, 278); *Uredo* sp., rust, Venezuela (99); *Uromyces hedysari-paniculati* (Schwein.) Ell., rust, Jamaica (99, 146); *Uromyces* sp., rust, Colombia (163)

Desmodium lasiocarpum (Beauv.) DC.

Meliola bicornis Winter, sooty mould, Philippines (99)

Desmodium laxiflorum DC.

Meliola bantamensis Hansf., sooty mould, Indonesia (99); *M. heterocephala* H. Sydow & Sydow, sooty mould, Philippines (99); *Parodiella hedysari* (Schwein.) S. Hughes, leaf mould, India (99)

Desmodium leiocarpum (Spreng.) Don

Uredo desmodii-leiocarpi Henn., rust, Brazil (256)

Desmodium linearifolium Kunze

Parodiella hedysari (Schwein.) S. Hughes, leaf mould, Sierra Leone (99)

Desmodium mandonii* BrittonUromyces orbicularis* Dietel, rust, Bolivia (76)***Desmodium mexicanum* Sweet***Uromyces hedysari-paniculata* (Schwein.) Farlow, rust, Colombia (99, 125)***Desmodium microphyllum* (Thunb.) DC.***Parodiella hedysari* (Schwein.) S. Hughes, leaf mould, India (99)***Desmodium molliculum* (HBK) DC.***Parodiella hedysari* (Schwein.) S. Hughes, leaf mould, Colombia (163); *Synchytrium citrinum* (Lagerh.) Gäum., false rust, Colombia (147); *Uromyces hedysari-paniculati* (Schwein.) Farlow, rust, Bolivia (76)***Desmodium nudiflorum* (L.) DC.***Cercospora desmodii* Ell. & Kellerm., leaf spot, USA (53, 75); *Colletotrichum truncatum* (Schw.) Andrus & Moore, stem lesion, USA (75); *Septoria* sp., leaf spot, USA (75)***Desmodium orbiculare* Schlecht.***Uromyces antiguanus* Cummins, rust, Mexico, Guatemala (60)***Desmodium ovalifolium* Wallr. (desmodio, ovalifolium)***Cercospora* sp., leaf spot, Colombia (163, 165); *Colletotrichum gloeosporioides* (Penz.) Penz. & Sacc., leaf and stem spot, Bolivia, Brazil, Colombia, Ecuador, Peru (163), USA (159), Venezuela (163); *C. truncatum* (Schwein.) Andrus & Moore, leaf spot, USA (159); *Corticium rolfsii* Curzi, wilt, Colombia (149); *Fusarium* sp., root rot, Colombia (163); *Pestalotia* sp., leaf spot, Colombia (163); *Pestalotiopsis disseminata* (Thüm.) Speg., foliar blight, Malaysia (261); *Phanerochaete salmonicolor* (Berk. & Broome) Jülich, pink disease, Malaysia (261, 287); *Phoma sorghina* (Sacc.) Boerema, Dorenb. & van Kest., leaf spot, Colombia (99); *Rhizoctonia solani* Kühn, foliar blight, Brazil, Colombia, Costa Rica (163), Malaysia (99, 261), Peru (163); *Synchytrium desmodii* Munasinghe, false rust, Colombia, Ecuador (154, 163, 165)***Desmodium paniculatum* (L.) DC.***Parodiella hedysari* (Schwein.) S. Hughes, leaf mould, USA (75); *Ramularia* sp., leaf spot, USA (75); *Uromyces hedysari-paniculati* (Schwein.) Farlow, rust, USA (75, 99)***Desmodium procumbens* (Miller) Hitchc.***Erysiphe* sp., powdery mildew, Trinidad & Tobago (22); *Uromyces mexicanus* Dietel & Holway, rust, USA, Mexico (60, 99)***Desmodium pulchellum* (L.) Benth.***Acremonium zonatum* (Saw.) W. Gams, foliar blight, India (99); *Meliola heterocephala* H. Sydow & Sydow, sooty mould, Philippines (99); *Mycovellosiella cajani* (Henn.) Trotter, leaf spot, India (99); *Phakopsora meibomiaae* Arthur, rust, India (99); *Phaeoisariopsis griseola* (Sacc.) Ferraris, angular leaf spot, India (99); *Phaeoisariopsis* sp., angular leaf spot, India (99); *Pseudocercospora bagdogrensis* (Kar & Mandal) Deighton, leaf spot, India (99); *P. meibomiaae* (Chupp) Deighton, leaf spot, Cuba (99), India (258), Venezuela (99); *Stenella* sp., leaf spot, India (99)

***Desmodium ramosissimum* Don**

Meliola bicornis Winter, sooty mould, Ghana, Sierra Leone (99); *M. kawandensis* Hansf., sooty mould, Ghana (99)

***Desmodium rensoni* Painter (barajillo, engorda caballo, desmodium)**

Parodiella hedysari (Schwein.) S. Hughes, leaf mould, El Salvador (57); *Rhizoctonia* sp., blight and root rot, El Salvador (57); *Uromyces hedysari-paniculati* (Schwein.) Farlow, rust, El Salvador (57)

***Desmodium repandum* (Vahl) DC.**

Helicospina sp., brown leaf mould, Papua New Guinea (250); *Meliola bantamensis* Hansf., sooty mould, Indonesia (99); *M. bicornis* Winter, sooty mould, Indonesia (99); *Peronospora trifoliorum* de Bary, downy mildew, Papua New Guinea (250); *Phyllachora desmodii* Henn., tar spot, Ethiopia (99), Tanzania (72); *Phyllachora* sp., tar spot, India (99)

***Desmodium rhytidophyllum* F. Muell.**

Phakopsora pachyrhizi H. Sydow & Sydow, rust, Australia (257, 299); *Pseudocercospora* sp., leaf spot, Australia (299)

***Desmodium rigidum* (Scott Elliot) DC.**

Uromyces hedysari-paniculati (Schwein.) Farlow, rust, USA (99)

***Desmodium rotundifolium* (Michaux) DC.**

Cercospora desmodii Ell. & Kellern., leaf spot, USA (53, 75); *C. desmodiicola* Atk., leaf spot, USA (53, 75); *Uromyces hedysari-paniculati* (Schwein.) Farlow, rust, USA (75)

***Desmodium salicifolium* (Poiret) DC.**

Meliola bicornis Winter, sooty mould, Congo (99); *M. kawandensis* Hansf., sooty mould, Congo, Uganda (99); *M. stizolobii* Hansf. & Deighton var. *desmodii-salicifolii* Hansf. & Deighton, sooty mould, Sierra Leone, Uganda (99); *Pseudocercospora desmodii-salicifolii* Deighton, leaf spot, India (99)

***Desmodium scorpiurus* (Sw.) Desv. (amor seco, cadillo, empanaditas)**

Cercosporidium sp., leaf spot, Papua New Guinea (250); *Parodiella hedysari* (Schwein.) S. Hughes, leaf mould, Trinidad & Tobago (22, 99); *Phyllosticta* sp., leaf spot, Sudan (99); *Puccinia* sp., rust, Venezuela (278); *Rhizoctonia solani* Kühn, foliar blight, Malaysia (110, 261); *Uromyces hedysari-paniculati* (Schwein.) Farlow rust, Colombia (126), Cuba (281), Dominican Republic (21, 99), El Salvador (57), Mexico, Puerto Rico (281), Trinidad & Tobago (22), West Indies (99, 281)

***Desmodium setigerum* (E. Meyer) Harvey**

Aristastoma sp., leaf spot, Sierra Leone (99)

***Desmodium strobilaceum* Schlecht.**

Uromyces tenuistipes Dietel & Holway, rust, Mexico (60)

***Desmodium tortuosum* (Sw.) DC. (Florida beggarweed, amor seco, cadillo)**

Cercospora canescens Ell. & Mart., foliar blight, Ghana (99), Papua New Guinea (99, 250), Zimbabwe (99); *C. desmodiicola* Atk., foliar blight, Jamaica, USA (53); *C. desmodiicola* var. *leiocarpa* Ell. & Kellern., leaf spot, Venezuela (278); *C. melaleuca* Ell. & Everh., leaf spot,

Jamaica (99, 146), Zimbabwe (99); *Corticium rolfsii* Curzi, stem and root rot, USA (75); *Oidium crysiphoides* Fr., powdery mildew, Colombia (49); *Oidium* sp., powdery mildew, Barbados (200); *Parodiella hedysari* (Schwein.) S. Hughes, leaf mould, Trinidad & Tobago (22); *Phyllosticta desmodii* Ell. & Everh., leaf spot, Cuba (99); *Stagonospora* sp., stem spot, USA (75); *Uromyces hedysari-paniculata* (Schwein.) Farlow, rust, Colombia (49, 125), Mexico, Puerto Rico (281), Venezuela (50, 99, 278); *Woroninella amagensis* Mayor, false rust, Colombia (49)

***Desmodium triflorum* (L.) DC.** (alfalfilla, pequeño trébol)

Cercosporidium caespitosum (Petraik & Cif.) Deighton, leaf spot, India (99); *Glomerella cingulata* (Stonem.) Spauld. & Schrenk, anthracnose, India (99); *Oidium* sp., powdery mildew, India (99); *Parodiella hedysari* (Schwein.) S. Hughes leaf mould, India (99, 231), Malaysia, Philippines (99), Papua New Guinea (250); *Phakopsora meibomia* Arthur, rust, Trinidad & Tobago (22); *Pseudocercospora bhopalensis* Deighton leaf spot, India (99); *P. ghanensis* Deighton, leaf spot, Ghana (99); *Physarum cinereum* (Batsch) Pers., slime mould, Papua New Guinea (250); *Sclerotinia sclerotiorum* (Lib.) de Bary, wilt, India (265)

***Desmodium umbellatum* (L.) DC.** (sea parkia)

Cercospora sp., foliar blight, Pakistan (103); *Meliola stizobii* Hansf. & Deighton var. *eriosematis* Hansf. & Deighton, sooty mould, Indonesia (99)

***Desmodium uncinatum* (Jacq.) DC.** (silverleaf desmodium, desmodio de hoja, trébol español)

Cercospora canescens Ell. & Mart., leaf spot, Kenya (99); *Cladosporium cladosporioides* (Fresen.) de Vries, seed associate, Australia (315); *Corticium rolfsii* Curzi, collar rot, India (254); *Fusarium pallidoroseum* (Cooke) Sacc., not stated, Kenya (99); *Periconia byssoides* Pers., leaf spot, Kenya (99); *Phoma* sp., foliar scorch, Australia (299), Kenya (99); *Rhizoctonia solani* Kühn, foliar blight, Malaysia (99); *Uromyces tenuistipes* Dietel & Holway, rust, Bolivia (76)

***Desmodium vagans* Endl.**

Parodiella hedysari (Schwein.) S. Hughes, leaf mould, Australia (144, 257); *Phakopsora pachyrhizi* H. Sydow & Sydow, rust, Australia (120)

***Desmodium velutinum* (Willd.) DC.**

Acremonium zonatum (Saw.) W. Gams, foliar blight, India (99); *Colletotrichum capsici* (H. Sydow) E. Butler & Bisby, anthracnose, Sierra Leone (99); *Khuksia oryzae* Hudson, leaf blight, Tanzania (99); *Meliola bicornis* Winter, sooty mould, Congo, Ghana, Nigeria, Sierra Leone, Uganda (99); *Phyllosticta* sp., leaf spot, Tanzania (99)

***Desmodium viridiflorum* Beck**

Cercospora desmodii Ell. & Kellerm., leaf spot, Dominican Republic, USA (53); *Uromyces hedysari-paniculata* (Schwein.) Farlow, rust, USA (75)

***Desmodium* sp.**

Alternaria sp., foliar blight, El Salvador (57, 282); *Cercospora canescens* Ell. & Mart., leaf spot, Barbados (200), India (99); *C. daviesiae* Cooke & Masee, leaf spot, Australia (257); *C. desmodii* Ell. & Kellerm., leaf spot, El Salvador (57, 282), USA (53); *C. desmodiicola* Atk., leaf spot, Jamaica, USA (53); *C. desmodiicola* var. *leiocarpa* (Ell. & Kellerm.) Gonz. Frag. & Cif., foliar blight, Venezuela (278); *C. meibomia* Chupp, foliar blight, Venezuela (278); *C. melaleuca* Ell. & Everh., foliar blight, Tanzania (99); *Colletotrichum truncatum* (Schwein.) Andrus & Moore, foliar blight, USA (159, 235); *Corticium rolfsii* Curzi, stem rot, Colombia (149), Fiji (50); *Corynespora cassiicola* (Berk.) Wei, leaf and stem spot, Puerto Rico (99); *Diaporthe phaseolorum* (Cooke & Ell.)

Sacc., dieback, Dominican Republic (99); *Fusarium moniliforme* Sheldon, wilt, Fiji (99); *Fusarium* sp., not stated, Jamaica (99); *Meliola bantamensis* Hansf., sooty mould, Dominican Republic (99); *M. bicornis* Winter, sooty mould, Burma (21), Guyana, India (99), Papua New Guinea (99, 250), Sudan (99). Trinidad & Tobago (22, 99), Uganda (99), Venezuela (50, 278); *M. heterocephala* Sydow & H. Sydow, sooty mould, Philippines (99); *M. kawandensis* Hansf., sooty mould, Ghana (99); *M. scabriseta* var. *integra* Deighton, sooty mould, Philippines (99); *M. stizolobii* Hansf. & Deighton, sooty mould, Venezuela (99); *M. stizolobii* Hansf. & Deighton var. *desmodii-salicifolii* Hansf. & Deighton, sooty mould, Jamaica (146); *M. trinidadensis* (Berk. & M. A. Curtis) Speg., sooty mould, Trinidad & Tobago (22); *M. vignae-gracilis* Hansf. & Deighton var. *panamensis* Hansf., sooty mould, Panama (99); *Meliola* sp., sooty mould, Jamaica (99), Malaysia (99, 293), Nepal (99), Sudan (283); *Oidium* sp., powdery mildew, Barbados (200), Venezuela (278); *Parodiella hedysari* (Schwein.) S. Hughes, leaf mould, Cameroon (99), Colombia (49), El Salvador (282), India (99), Jamaica (146), Venezuela (50, 278); *Pestalotiopsis* sp., foliar blight, Malaysia (99); *Phaeoisariopsis caespitosa* Petrak & Cif., angular leaf spot, El Salvador (57); *Phakopsora meibomia* Arthur, rust, Papua New Guinea (99, 250); *P. pachyrhizi* H. Sydow & Sydow, rust, Brazil (67), Costa Rica, Mexico, West Indies, South America (60); *Phyllachora desmodii* Henn., tar spot, Burma, India (99); *Phyllachora* sp., tar spot, Jamaica (99, 146); *Phyllosticta desmodii* Ell. & Everh., leaf spot, India (99), Sudan (283); *Phyllosticta desmodiicola* Died., foliar blight, Sudan (283); *Pseudocercospora mulleri* Deighton, leaf spot, Venezuela (99); *Pyrenochaeta* sp., leaf spot, Venezuela (99); *Rhizoctonia solani* Kühn, foliar blight, Malaysia (293, 308); *Synchytrium citrinum* (Lagerh.) Gäum., false rust/wart, Guatemala (281), Indonesia, Papua New Guinea (99), Philippines, Puerto Rico (281); *Uredo* sp., rust, Venezuela (99); *Uromyces hedysari-paniculati* (Schwein.) Farlow, rust, Colombia (125), El Salvador (282), South & Central America (60), USA (60, 99); *U. mexicanus* Dietel & Holway, rust, Mexico, USA (60); *U. orbicularis* Dietel, rust, Brazil (256); *Uromyces tenuistipes* Dietel & Holway, rust, Mexico (60)

DICHANTHIUM

Dichanthium affine (R. Br.) A. Camus
Sphacelotheca sahayai Mundkur, smut, Australia (99)

Dichanthium annulatum (Forsskal) Stapf (sheda grass, hindi grass, marvel grass, pitilla)
Cercospora dichanthii Shakil A. Khan & Kamal, foliar blight, Pakistan (99); *Cerebella andropogonis* Ces., false smut, Cuba (99); *Claviceps pusilla* Ces., ergot, Australia (257); *Cochliobolus lunatus* Nelson & Haasis, foliar blight, Burma (232); *Colletotrichum caudatum* Sacc., leaf spot, USA (75); *Curvularia andropogonis* (Zimmerm.) Boedijn, leaf spot, India (231); *C. robusta* Kilpatrick & Luttrell, leaf spot, USA (75, 99); *C. verruciformis* Agarwal & Sahni, leaf spot, Bangladesh (99); *Cylindrosporium dichanthii* Ramakr., leaf spot, India (231); *Entyloma obesum* H. Sydow & Sydow, leaf smut, India (280); *Fusarium equiseti* (Corda) Sacc., not stated, India (99); *Periconia digitata* (Cooke) Sacc., leaf spot, India (99); *Puccinia cesatii* Schröter, rust, Portugal, Romania, Yugoslavia (280); *P. duthiae* Ell. & Tracy, rust, India (99); *Sphacelia* sp., ergot, Burma (232), India (231); *Sphacelotheca andropogonis* (Opiz) Bubák, smut, Sierra Leone (99); *S. andropogonis-annulati* (Bref.) Zundel, smut, Burma (232), India (99, 193), Pakistan (2, 99); *S. annulata* (Ell. & Everh.) Mundkur, smut, India (99, 193, 231), Pakistan (2); *S. sahayai* Mundkur, smut, Australia (99), India (193); *Tolyposporella obesa* (H. Sydow & Sydow) Clint. & Zundel, smut, India (193); *Uredo* sp., rust, India (99); *Uromyces andropogonis-annulati* H. Sydow & E. Butler, rust, India (231, 280); *U. clignyi* Pat. & Har., rust, India, Pakistan (99), Sudan (99, 283); *Ustilago andropogonis-annulati* Bref., smut, India (280)

Dichanthium aristatum (Poiret) C. E. Hubbard (angleton grass, pasto angleton)
Curvularia gudauskasii Morgan-Jones & Karr, leaf spot, Australia (99); *Curvularia* sp., leaf spot, Colombia (147); *Puccinia duthiae* Ell. & Tracy, rust, Australia (99); *Uromyces clignyi* Pat. & Har., rust, Papua New Guinea (99)

Dichanthium bladhii (Retz.) W. D. Clayton
Claviceps pusilla Ces., ergot, Zimbabwe (240); *Fusarium heterosporum* Fr., ear blight, Zimbabwe (240); *Puccinia duthiae* Ell. & Tracy, rust, Tanzania (99)

Dichanthium caricosum (L.) A. Camus (Antigua hay grass, escoba de sabana, pasto antigua)
Cerebella andropogonis Ces., false smut, Cuba (99); *Curvularia senegalensis* (Speg.) Subram., leaf spot, Cuba (99); *Puccinia meridensis* Kern, rust, Barbados (200); *Sphacelia* sp., ergot, Burma (232); *Sphacelotheca annulata* (Ell. & Everh.) Mundkur, smut, India (99); *S.dichanthicola* Mundkur & Thirum., smut, India (99, 193, 231); *Uromyces clignyi* Pat. & Har., rust, Mauritius (99, 207)

Dichanthium humilis J. Black
Fusarium graminearum Schwein., crown rot, Australia (257); *Phyllachora ischaemi* H. Sydow & Sydow, tar spot, Australia (207, 211)

Dichanthium nodosum Willm.
Uromyces clignyi Pat. & Har., rust, Mauritius (99, 207)

Dichanthium papillosum (A. Rich.) Stapf
Cerebella sp., false smut, Kenya (197); *Phyllachora ischaemi* Theiss., H. Sydow & Sydow, tar spot, Kenya (99, 197)

Dichanthium sericeum (R. Br.) A. Camus (Australian blue grass, heno menor de antigua)
Cerebella andropogonis Ces., false smut, Australia (99); *Cintractia columellifera* (Tul.) McAlp., smut, Australia (91); *Claviceps pusilla* Ces., ergot, Australia (144, 257); *Phyllachora ischaemi* H. Sydow & Sydow, tar spot, Australia (211, 257); *Puccinia duthiae* Ell. & Tracy, rust, Australia (99, 257); *P. eritraensis* Pазschke, rust, Australia (144); *Pythium aphanidermatum* (Edson) Fitzp., damping-off, Australia (257)

Dichanthium tenue (R. Br.) A. Camus (small blue grass)
Claviceps pusilla Ces., ergot, Australia (144, 257); *Phyllachora ischaemi* H. Sydow & Sydow, tar spot, Australia (257); *Sphacelotheca sahayai* Mundkur, smut, Australia (257)

Dichanthium sp.
Alternaria alternata (Fr.) Keissler, leaf spot, Pakistan (99); *A. tenuissima* (Pers.) Wiltsh., leaf spot, Pakistan (99); *Phyllachora ischaemi* H. Sydow & Sydow, tar spot, Burma (99)

DIGITARIA

Digitaria abyssinica (A. Rich.) Stapf
Cercospora digitariae Kranz, foliar blight, Kenya, Uganda (99); *Cercospora* sp., leaf spot, Kenya (197); *Phyllachora paspalicola* Henn., tar spot, Malaysia, Uganda (99); *Puccinia oahuensis* Ell. &

Everh., rust, Kenya (197), Uganda (99); *Ustilago digitariae* (Kunze) Winter, smut, Uganda (319)

***Digitaria adscendens* var. *criniformis* Henr.**

Ustilago rabenhorstiana Kühn, smut, Sudan (99)

***Digitaria ammophila* Hughes**

Sphacelotheca sp., smut, Australia (299)

***Digitaria bicornis* (Lam.) Loudon**

Ephelis sp., inflorescence mould, India (99); *Puccinia digitariae-vestitae* Ramachar & Cummins, rust, Tanzania (99); *P. levis* (Sacc. & Bizz.) Magnus, rust, Pakistan (99); *Sphacelia* sp., ergot, India (99)

***Digitaria brazzae* (Franchet) Stapf**

Epichloe cinerea Berk. & Broome, flower blight, Zimbabwe (95, 99, 240); *Phyllachora digitariicola* Doidge, tar spot, South Africa (99)

***Digitaria brownii* (Roem. & Schult.) Hughes (cotton panic)**

Puccinia aohuensis Ell. & Everh., rust, Australia (99, 257); *P. digitariae* Pole Evans, rust, Australia (140)

***Digitaria borbonica* Desv.**

Puccinia aohuensis Ell. & Everh., rust, Malawi (99)

***Digitaria caledonica* Howard**

Uromyces peglerae Pole Evans, rust, Papua New Guinea (250)

***Digitaria ciliaris* (Retz.) Koeler**

Balansia pallida Winter, false smut, India (99); *Cochliobolus intermedius* Nelson, leaf spot, Venezuela (99); *Cochliobolus victoriae* Nelson, foliar blight, Australia (99); *Drechslera maydis* (Nisikado) Subram., leaf spot, Australia (11), China (311); *Ephelis* sp., false smut, Australia (257), India (99); *Magnaporthe grisea* (Herbert) M. E. Barr, leaf spot, Australia (99, 257, 299), Fiji, Guinea (99), Tanzania (72, 99), Venezuela (99); *Phoma* sp., leaf spot, Australia (99); *Puccinia digitariae* Pole Evans, rust, Australia (140); *P. digitariae-vestitae* Ramachar & Cummins, rust, Kenya, Pakistan (99), Tanzania (72); *P. levis* (Sacc. & Bizz.) Magnus, rust, India, Philippines (99); *P. aohuensis* Ell. & Everh., rust, Australia (99, 257, 299), Mozambique (99), Papua New Guinea (250); *Sclerospora macrospora* Sacc., downy mildew, Australia (257); *Sphacelia* sp., ergot, India (99); *Sorosporium syntherismae* (Peck) Farlow, smut, Australia (99); *Ustilago rabenhorstiana* Kühn, smut, Japan (99), Pakistan (2, 99); *U. syntherismae* (Schwein.) Peck, smut, Australia (299); *Ustilago* sp., smut, Australia (257)

***Digitaria consanguinea* Gaudich.**

Phyllachora paspalicola Henn., tar spot, Philippines (211)

***Digitaria decumbens* Stent (pangola grass, hierba pangola, pasto pangola, Transval digit grass)**

Ceratospheeria grisea (Cooke) Sacc., foliar blight, Nicaragua (99, 169), Venezuela (180); *Cochliobolus hawaiiensis* Alcorn, leaf blight, Cuba (99); *Colletotrichum sublineolum* Henn., anthracnose, Australia (99); *Curvularia brachyspora* Boedijn, leaf spot, Cuba (99); *Magnaporthe grisea* (Herbert) M. E. Barr, leaf spot, French West Indies (105), Trinidad (99), USA (75); *Puccinia*

oahuensis Ell. & Everh., rust, Australia (284, 299), Brazil, Colombia (147), Cuba, Dominican Republic (99), Jamaica, Malaysia, New Zealand (99), Peru (99, 147), Puerto Rico (281), USA (132, 281); *Uredo* sp., rust, Australia (99, 257)

Digitaria debilis (Desf.) Willd.

Sorosporium digitariae (Kunze) Padwick, smut, Zimbabwe (99)

Digitaria diagonalis (Nees) Stapf

Claviceps digitariae Hansf., ergot, Zimbabwe (240); *Claviceps* sp., ergot, Zambia (99); *Epichloe cinerea* Berk. & Broome, flower blight, Malawi (99)

Digitaria didactyla Willd. (blue couch)

Ascochyta graminicola Sacc., leaf spot, Australia (99); *Cerebella andropogonis* Ces., false smut, Mauritius (99); *Claviceps* sp., ergot, Mauritius (207, 306); *Colletotrichum sublineolum* Henn., anthracnose, Australia (99); *Curvularia brachyspora* Boedijn, leaf spot, Australia (99, 257); *Drechslera poae* (Baudys) Shoem., leaf spot, Australia (99); *Helminthosporium* sp., leaf spot, Australia (257); *Leptosphaerulina trifolii* (Rostrup) Petrak, leaf spot, Australia (99); *Phoma eupyrena* Sacc., leaf spot, Australia (99); *Phoma* sp., leaf spot, Australia (99); *Physarum cinereum* (Batsch) Pers., slime mould, Australia (257); *Puccinia digitariae* Pole Evans, rust, Mauritius (207, 306); *Pythium arrhenomanes* Drechsl., root rot and wilt, Australia (99, 299); *P. vanterpoolii* V. Kouyeas & H. Kouyeas, seedling blight, Australia (99); *Rhizoctonia* sp., brown patch, Australia (257, 299); *Sclerotinia homoeocarpa* Bennett, dollar spot, Australia (99, 257); *Uromyces* sp., rust, Australia (257)

Digitaria diffusa J. Vickery

Sorosporium sp., smut, Australia (299)

Digitaria divaricatissima (R. Br.) Hughes (umbrella grass)

Puccinia sp. aff. *P. substriata* Ell. & Barth. var. *insolita* (Sydow & H. Sydow) Ramachar & Cummins, rust, Australia (299); *P. oahuensis* Ell. & Everh., rust, Australia (299); *Sphacelotheca destruens* (Schlecht.) F. L. Stev. & Johnson, smut, Australia (257)

Digitaria diversinervis (Nees) Stapf

Colletotrichum graminicola (Ces.) Wilson, anthracnose, Zimbabwe (99, 240)

Digitaria eriantha Steud.

Cerebella andropogonis Ces., false smut, South Africa (99); *Phyllachora paspalicola* Henn., tar spot, South Africa (99, 211); *Puccinia oahuensis* Ell. & Everh., rust, Kenya (99)

Digitaria eriantha Steud. var. *stolonifera* Stapf

Phyllachora paspalicola Henn., tar spot, Kenya (99); *Phyllachora* sp., tar spot, Kenya (197); *Puccinia oahuensis* Ell. & Everh., rust, Kenya (197)

Digitaria exilis Stapf (hungry rice, fonio, fundi, acha)

Cercospora digitariae Kranz, leaf spot, Guinea, Nigeria (99); *Cochliobolus eragrostidis* (Tsuda & Ueyama) Sivan., leaf spot, Sierra Leone (99); *Phoma* sp., leaf spot, Sierra Leone (99); *Phyllachora paspalicola* Henn., tar spot, Guinea, Mauritius, Sierra Leone (99)

Digitaria gazensis Rendle

Claviceps digitariae Hansf., ergot, Zimbabwe (240); *Claviceps* sp., ergot, Zambia (99); *Sorosporium*

digitariae (Kunze) Padwick, smut, Zimbabwe (99); *Uromyces peglerae* Pole Evans, rust, Kenya (146), Malawi, Zambia (99); *Ustilago digitariae* (Kunze) Rabenh., smut, Zimbabwe (95, 240)

***Digitaria horizontalis* Willd.** (barbacoa, pendejuelo, pata de gallina)

Balansia pallida Winter, false smut, Ghana (99); *Cochliobolus pallescens* (Tsuda & Ueyama) Sivan., leaf spot, Guinea (99); *Coniothyrium* sp., root rot, Guinea (99); *Magnaporthe grisea* (Herbert) M. E. Barr, leaf spot, Dominican Republic, Puerto Rico (281), Sudan (99); *Mycosphaerella* sp., foliar blight, Jamaica (99, 146); *Phyllachora paspalicola* Henn., tar spot, Nigeria, Sierra Leone (99); *Puccinia digitariae* Pole Evans, rust, Barbados (21); *P. levis* (Sacc. & Bizz.) Magnus, rust, Grenada, St. Vincent (99); *P. levis* var. *panici-sanguinalis* (Rangel) Ramachar & Cummins, rust, Mexico, Puerto Rico, Virgin Islands, West Indies (281); *P. oahuensis* Ell. & Everh., rust, Ghana (99), Puerto Rico (281), Sierra Leone, Trinidad, Uganda (99), USA (281); *Septoria* sp., leaf spot, Trinidad & Tobago (99); *Uromyces peglerae* Pole Evans, rust, Mauritius (99, 207, 306); *U. panici-sanguinalis* Rangel, rust, Grenada (21), Venezuela (50, 278); *Ustilago rabenhorstiana* Kühn, smut, Kenya (99, 319), Uganda (99)

***Digitaria longiflora* (Retz.) Pers.**

Cercospora digitariae Kranz, leaf spot, Guinea (99); *Cerebella andropogonis* Ces., false smut, India, Malaysia (99, 261), Papua New Guinea (99, 250), Tanzania (72, 99); *Claviceps digitariae* Hansf., ergot, India (231); *C. glabra* Langdon, ergot, Australia (140, 257); *Phyllachora paspalicola* Henn., tar spot, Sierra Leone, Sudan (99); *Physarum cinereum* (Batsch) Pers., slime mould, Papua New Guinea (99, 250); *Puccinia levis* (Sacc. & Bizz.) Magnus, rust, Guinea (99); *P. oahuensis* Ell. & Everh., rust, Malaysia (99, 170); *Rhizoctonia solani* Kühn, foliar blight, Papua New Guinea (99); *Sphacelotheca dolichosa* Ainsworth, smut, Uganda (99); *Ustilago longiflora* Mundkur & Thirum., smut, India (193, 231); *U. rabenhorstiana* Kühn, smut, Sierra Leone (99)

***Digitaria marginata* Link**

Ceratosphaeria grisea (Cooke) Sacc., foliar blight, Malaysia (111); *Cochliobolus heterostrophus* (Drechl.) Drechl., leaf spot, Malaysia (99); *Ephelis oryzae* H. Sydow, powdery mildew, India (231); *Magnaporthe grisea* (Herbert) M. E. Barr, leaf spot, Malaysia, Sudan (99); *Puccinia oahuensis* Ell. & Everh., rust, India (231); *Septoria graminum* Desm., leaf spot, India (231); *Thanatephorus cucumeris* (Frank) Donk, foliar blight, Malaysia (99, 261); *Ustilaginoidea virens* (Cooke) Tak., false smut, India (252)

***Digitaria milanjiana* (Rendle) Stapf**

Cerebella andropogonis Ces., false smut, Zimbabwe (240); *Claviceps* sp., ergot, Zimbabwe (95); *Phyllachora paspalicola* Henn., tar spot, Malawi, Zambia (99); *Puccinia oahuensis* Ell. & Everh., rust, Malawi, Tanzania (99); *Sorosporium digitariae* (Kunze) Padwick, smut, Malawi (99)

***Digitaria nitens* Rendle**

Cerebella andropogonis Ces., false smut, Kenya (197); *C. cynodontis* H. Sydow & Sydow, false smut, Kenya (177)

***Digitaria nodosa* Parl.**

Colletotrichum graminicola (Ces.) Wilson, anthracnose, Pakistan (99); *Phoma* sp., leaf spot, Pakistan (99); *Puccinia digitariae-vestitae* Ramachar & Cummins, rust, Pakistan (99)

***Digitaria orbata* Hughes**

Puccinia oahuensis Ell. & Everh., rust, Australia (99)

***Digitaria pedicellaris* (Trin.) Prain**

Sphacelotheca digitariae-pedicellaris Mishra, smut, India (99)

***Digitaria pentzii* (L.) Stent (pangola river grass, Taiwan pangola grass)**

Mycosphaerella sp., foliar blight, Mauritius (99); *Puccinia digitariae-vestitae* Ramachar & Cummins, rust, Zimbabwe (240); *P. oahuensis* Ell. & Everh., rust, Mauritius (99, 207); *Puccinia* sp., rust, Barbados (200)

***Digitaria pertenuis* Büse**

Puccinia oahuensis Ell. & Everh., rust, Papua New Guinea (250)

***Digitaria pruriens* (Trin.) Büse**

Magnaporthe grisea (Herbert) M. E. Barr, foliar blight, Burma (232) *Puccinia levis* (Sacc. & Bizz.) Magnus var. *panici-sanguinalis* (Rangel) Ramachar & Cummins, rust, Papua New Guinea (250); *P. oahuensis* Ell. & Everh., rust, Papua New Guinea (250)

***Digitaria pseudo-ischaeum* Büse**

Sorosporium sp., smut, Malaysia (261); *Sphacelotheca ischaemicola* Ling, smut, Malaysia (99)

***Digitaria royleana* (Nees) Prain**

Cerebella andropogonis Ces., false smut, Bengal (3), India (99); *Tilletia setariae* Ling, smut, India (99); *Ustilago rabenhorstiana* Kühn, smut, India (99); *U. royleana* H. Sydow, Sydow & E. Butler, smut, India (193), Pakistan (2)

***Digitaria sanguinalis* (L.) Scop. (cebadilla, granadilla, common crabgrass)**

Ceratospheeria grisea (Cooke) Sacc., foliar blight, Venezuela (278); *Colletotrichum graminicola* (Ces.) Wilson, anthracnose, USA (75); *Magnaporthe grisea* (Herbert) M. E. Barr, leaf spot, Brazil (233), Canada, Cuba, Egypt, Hong Kong, India, Japan (99), Malaysia (99, 261), Romania, Trinidad, USA (99), Venezuela (310), Zimbabwe (99); *Mycosphaerella* sp., foliar blight, Jamaica (99); *Phoma eupyrena* Sacc., leaf spot, Bangladesh (99); *Phoma* sp., leaf spot, Venezuela (99); *Phyllachora bonariensis* Speg., tar spot, Congo (211); *Puccinia oahuensis* Ell. & Everh., rust, Puerto Rico, USA (281); *Sclerophthora* sp., downy mildew, India (19); *Sorosporium formosanum* (Saw.) Saw., smut, India (193); *U. peglerae* Pole Evans, rust, India (99); *Uromyces* sp., rust, Hong Kong (99); *Ustilago rabenhorstiana* Kühn, smut, India (99, 193), Romania, USA (99); *U. syntherismae* Kühn, loose smut, USA (75)

***Digitaria sanguinalis* (L.) Scop. var. *cruciata* (Hook. f.) Haines**

Magnaporthe grisea (Herbert) M. E. Barr, leaf spot, Hong Kong (99); *Mycosphaerella* sp., leaf spot, Jamaica (146); *Sorosporium formosanum* (Saw.) Saw., smut, India (231)

***Digitaria scalarum* Chiov. (African couch grass)**

Cercospora digitariae Kranz, leaf spot, Uganda (99); *C. fusimaculans* Atk., leaf spot, Uganda (99); *Claviceps digitariae* Hansf., ergot, Uganda (99); *Magnaporthe grisea* (Herbert) M. E. Barr, leaf spot, Uganda (99); *Phyllachora digitariae* H. Sydow, tar spot, Kenya (197); *P. paspalicola* Henn., tar spot, Ethiopia, Kenya, Uganda (99); *Puccinia digitariae-velutinae* Vienn.-Bourg., rust, Kenya (197); *P. digitariae-vestitae* Ramachar & Cummins, rust, Kenya, Uganda (99); *P. oahuensis* Ell. & Everh., rust, Kenya (99, 197)

***Digitaria seminuda* Stapf**

Balansia pallida Winter, false smut, Sierra Leone (99)

***Digitaria setivalva* Stent**

Claviceps sp., ergot, Zimbabwe (240); *Epichloe cinerea* Berk. & Broome, flower blight, Malawi (99); *Puccinia digitariae* Pole Evans, rust, Zimbabwe (95, 240); *Uromyces peglerae* Pole Evans, rust, Zimbabwe (95, 240)

***Digitaria setigera* Roem. & Schult.**

Colletotrichum graminicola (Ces.) Wilson, anthracnose, India (99); *Puccinia oahuensis* Ell. & Everh., rust, India (99), USA (75)

***Digitaria smutsii* Stent**

Balansia sclerotica (Pat.) Höhnelt, false smut, Papua New Guinea (99, 250); *Bipolaris perotidis* Alcorn, leaf spot, Australia (8); *Claviceps* sp., ergot, Zimbabwe (95, 240); *Drechslera* sp., leaf spot, New Zealand (99); *Puccinia oahuensis* Ell. & Everh., rust, Jamaica (99, 146)

***Digitaria stricta* Roem. & Schult.**

Cercospora digitariae Kranz, leaf spot, India (99); *Cochliobolus carbonum* Nelson, leaf spot, India (99)

***Digitaria swazilandensis* Stent**

Curvularia brachyspora Boedijn, leaf spot, French Guyana (24, 99)

***Digitaria ternata* (A. Rich.) Stapf**

Ramulispora alloteropsis Thirum. & Naras., leaf scorch, Zimbabwe (99, 240); *Uromyces peglerae* Pole Evans, rust, Ethiopia, Uganda (99); *Ustilago rabenhorstiana* Kühn, smut, Zimbabwe (95, 240)

***Digitaria timorensis* (Kunth) Bal.**

Magnaporthe grisea (Herbert) M. E. Barr, leaf spot, Papua New Guinea (250); *Phyllachora digitariae* H. Sydow, tar spot, Mauritius (207, 306)

***Digitaria uniglumis* (A. Rich.) Stapf**

Uromyces peglerae Pole Evans, rust, Malawi (99)

***Digitaria valida* Stent**

Puccinia digitariae-vestitae Ramachar & Cummins, rust, Barbados (200)

***Digitaria velutina* (Forsskal) Beauv.**

Magnaporthe grisea (Herbert) M. E. Barr, leaf spot, Ghana, Kenya (99, 197), Tanzania, Uganda (99); *Phyllachora digitariae* H. Sydow, tar spot, Ghana, Kenya (99, 206), Malawi, Sierra Leone (99); *Phyllosticta* sp., leaf spot, Kenya (206); *Puccinia digitariae-vestitae* Ramachar & Cummins, rust, Kenya (99, 206); *P. oahuensis* Ell. & Everh., rust, Kenya (197); *Ustilago rabenhorstiana* Kühn, smut, Kenya (197), Malawi (99)

***Digitaria violascens* Link**

Balansia pallida Winter, false smut, Papua New Guinea (99, 250); *Cerebella* sp., false smut, Papua New Guinea (250); *Claviceps* sp., ergot, Australia (257), Papua New Guinea (250); *Ephelis* sp., false smut, India (99); *Puccinia levis* (Sacc. & Bizz.) Magnus, rust, Bangladesh (99); *Uromyces peglerae* Pole Evans, rust, Papua New Guinea (250)

***Digitaria* sp.**

Alternaria sp., foliar blight, USA (12); *Balansia sclerotica* (Pat.) Höhnelt, false smut, Zambia (99);

Ceratospaeria grisea (Cooke) Sacc., foliar blight, USA (278), Venezuela (12); *Cercospora digitariae* Kranz, leaf spot, Guinea (99); *Cerebella andropogonis* Ces., false smut, India (99), Kenya (197); *Cerebella* sp., false smut, Papua New Guinea (250); *Claviceps purpurea* (Fr.) Tul., ergot, Zimbabwe (99); *Claviceps* sp., ergot, Papua New Guinea (250); *Colletotrichum caudatum* Sacc., foliar blight, Malaysia (135); *C. graminicola* (Ces.) Wilson, anthracnose, Guinea (99); *Cochliobolus geniculatus* Nelson, leaf spot, USA (12); *Epichloe cinerea* Berk. & Broome, flower blight, Kenya, Nigeria (99); *Fusarium heterosporum* Fr., pink ear, Zimbabwe (240); *Helminthosporium* sp., foliar blight, USA (12); *Leptosphaeria luctuosa* Niessl, leaf spot, Pakistan (99); *Magnaporthe grisea* (Herbert) M. E. Barr, leaf spot, Kenya (99, 197), Sudan, Zambia (99), Zimbabwe (240); *Mycosphaerella tassiana* (de Not.) Johans, leaf spot, French Guyana (24); *Phyllachora digitariae* H. Sydow, leaf spot, Kenya (197), Malaysia (261); *P. paspalicola* Henn., tar spot, Ethiopia, Kenya, Zimbabwe (99); *P. setariicola* Speg., tar spot, Guinea (99, 212); *Pyricularia* sp., foliar blight, Thailand (47); *Puccinia digitariae-vestitae* Ramachar & Cummins, rust, Ethiopia, India (231), Kenya (99), Tanzania (72, 99); *P. oahuensis* Ell. & Everh., rust, French Guyana (24), Kenya (197, 240), Malawi (26), Mauritius, Papua New Guinea (250), Sudan (99), USA (12), Zambia, Zimbabwe (99); *P. levis* (Sacc. & Bizz.) Magnus, rust, USA (12), Costa Rica, India (99); *Rhizoctonia solani* Kühn, root rot, USA, (12); *Sorosporium digitariae* (Kunze) Padwick, smut, Malawi, Zambia (99); *Sorosporium* sp., smut, Thailand (47); *Sphacelotheca diplospora* (Ell. & Everh.) Clint., smut, Malawi (99); *Uromyces peglerae* Pole Evans, rust, Ethiopia, Kenya (99), Malawi (26, 99); *Ustilago digitariae* (Kunze) Winter, smut, Uganda (319); *U. rabenhorstiana* Kühn, smut, Kenya (197); *U. syntherismae* Kühn, smut, USA (12)

DIOCLEA

***Dioclea guianensis* Benth.**

Asterina sp., black mildew, Trinidad (99); *Phyllachora diocleicola* Chardon, tar spot, Trinidad & Tobago (22, 99); *Pseudocercospora* sp., foliar blight, Colombia (99, 147)

***Dioclea reflexa* Hook. f.**

Phyllachora diocleae Henn., tar spot, Costa Rica, Panama (279); *Uredo diocleae* Cummins, rust, Sierra Leone (59, 99)

***Dioclea* sp.**

Meliola crenatissima H. Sydow & Sydow, sooty mould, Brazil (99), Peru (83); *M. cristata* Stev., sooty mould, Brazil (99); *Phyllachora diocleae* Henn., tar spot, Brazil (256); *Pseudocercospora* sp., foliar blight, Colombia (147)

DOLICHOS

***Dolichos formosus* A. Rich.**

Ascochyta phaseolorum Sacc., zonate leaf spot, Australia (4)

Dolichos kilimanscharicus* Taubert var. *kilimanscharicus

Erysiphe polygoni DC., powdery mildew, Zimbabwe (95, 99); *Uromyces appendiculatus* (Pers.) Unger, rust, Malawi (99, 307), Tanzania (72), Zimbabwe (95, 99)

***Dolichos lignosus* L.**

Ascochyta phaseolorum Sacc., zonate leaf spot, Australia (4); *Cercospora canescens* Ell. & Mart., leaf spot, Burma (99)

Dolichos sericeus* E. Meyer ssp. *sericeus

Uromyces appendiculatus (Pers.) Unger, rust, Malawi (26, 99, 307)

Dolichos trilobus* L. var. *trilobus

Ascochyta phaseolorum Sacc., zonate leaf spot, Australia (4); *Cercospora canescens* Ell. & Mart., India (99); *Uromyces appendiculatus* (Pers.) Unger, rust, Australia (99)

***Dolichos* sp.**

Ascochyta phaseolorum Sacc., leaf spot, Zambia, Zimbabwe (99); *A. dolichi* Gonz. & Frag., leaf spot, Papua New Guinea, Zambia (99); *Botryodiplodia theobromae* Pat., root rot, India (99); *Cercospora apii* Fresen., foliar blight, Papua New Guinea (118); *C. canescens* Ell. & Mart., foliar blight, India (99), Malawi (53, 307); *C. dolichi* Ell. & Everh., leaf spot, India (231); *C. wildemanii* H. Sydow & Sydow, leaf spot, Congo (280); *Colletotrichum lindemuthianum* (Sacc. & Magnus) Briosi & Cavara, anthracnose, Zambia (99); *Elsinoe dolichi* Jenkins, Bitanc. & Cheo, scab, China, Philippines (280), Zambia (99); *Erysiphe polygoni* DC., powdery mildew, Zambia (99); *Leveillula leguminosarum* Golovin, powdery mildew, India (99); *Neocosmospora vasinfecta* E. F. Sm., wilt, India (99); *Parodiella hedydari* (Schwein.) S. Hughes, leaf mould, Malawi (99, 307), Tanzania (99); *Phakopsora pachyrhizi* H. Sydow & Sydow, rust, Costa Rica (99); *Phoma exigua* Desm. var. *exigua*, leaf spot, Papua New Guinea (99); *Phyllachora dolichogena* (Berk. & Broome) Sacc. var. *samoensis* Theiss. & H. Sydow, tar spot, Samoa, Sri Lanka (280); *Phyllosticta dolichi* Brun., leaf spot, France (280); *Puccinia dolichi* Arthur, rust, Cuba (280); *Septoria* sp., foliar blight, Malawi (307); *Uromyces appendiculatus* (Pers.) Unger, rust, Malawi (99, 307), Puerto Rico (281), South Africa (280), West Indies (281)

ECHINOCHLOA***Echinochloa colonum* (L.) Link (jungle rice, awnless barnyard grass)**

Cercospora echinochloae J. Davis, leaf spot, Papua New Guinea (99, 250), Venezuela (99, 278); *Cercospora* sp., leaf spot, India (99); *Cochliobolus lunatus* Nelson & Haasis, leaf spot, Cuba, Sri Lanka (99); *C. pallescens* (Tsuda & Ueyama) Sivan., leaf spot, Australia (99); *Colletotrichum graminicola* (Ces.) Wilson, anthracnose, Australia, Pakistan (99, 127); *Drechslera maydis* (Nisikado) Subram., leaf spot, Australia (11); *Exserohilum echinochloae* Sivan., leaf spot, Bangladesh (99); *E. frumentacei* (Mitra) Leonard & Suggs, leaf spot, Venezuela (99); *Hendersonia* sp., leaf spot, India (99); *Magnaporthe grisea* (Herbert) M. E. Barr, leaf spot, Cuba (99), Malaysia (261), USA (75), Venezuela (99, 278); *Phyllosticta* sp., leaf spot, Cuba (99); *Pyricularia oryzae* Briosi & Cavara, blast, Brazil (233), Philippines (99), Venezuela (278); *Pyricularia* sp., leaf spot, Thailand (47); *Rhizoctonia microsclerotia* Matz, root rot, Puerto Rico (281); *R. solani* Kühn, sheath blight, India (128), USA (75); *Rigidoporus lignosus* (Klotzsch) Imazeki, stinking root rot, Malaysia (261); *Setosphaeria monoceras* Alcorn, leaf spot, Australia (7, 99), Cuba, (99), India (188); *Ustilago crus-galli* Tracy & Earle, smut, USA, Venezuela (99); *U. trichophora* (Link) Kunze, smut, Australia (81, 99, 257), Cuba, Egypt (81), Pakistan (2), Sudan (81, 99), USA (75, 81)

***Echinochloa crus-galli* (L.) Beauv. (barnyard millet)**

Acrocyndrium oryzae Saw., sheath rot, India (23); *Colletotrichum falcatum* Went, anthracnose, India (71); *C. graminicola* (Ces.) Wilson, leaf spot, USA (12, 99); *Didymella phleina* Punith. & K. Arsvoll, leaf spot, Netherlands (99); *Drechslera maydis* (Nisikado) Subram., leaf blight, China (311); *Ephelis oryzae* H. Sydow, false smut, India (99); *Exserohilum monoceras* (Drechs.) Leonard & Suggs, leaf spot, USA (12); *Exserohilum* sp., leaf spot, Italy (99); *Fusarium graminearum* Schwabe, root rot, New Zealand (99); *F. solani* (Mart.) Sacc., root rot, Netherlands (99); *Leptosphaeria tritici* (Garov.) Pass., leaf spot, Venezuela (99); *Magnaporthe grisea* (Herbert) M. E. Barr, leaf spot, Australia (257), Egypt (99), Papua New Guinea (99, 250), USA (75), USSR (181); *Periconia echinochloae* (Bat.) M. B. Ellis, leaf spot, Venezuela (99); *Puccinia flaccida* Berk. & Broome, rust, Bolivia (76), USA (12); *Rhizoctonia solani* Kühn, foliar blight, USA (12, 75); *Rhynchosporium oryzae* Hashioka & Yokogi, leaf scald, India (264); *Sclerospora graminicola* (Sacc.) Schröter, downy mildew, not stated (131); *Setosphaeria monoceras* Alcorn, leaf spot, Australia (7), Israel, USA (99); *Tolysporium bullatum* (Schröter) Schröter, smut, China, Germany (99), New Zealand, Poland, Romania (99), USA (12, 99); *Uromyces* sp., rust, Hong Kong (99); *Ustilago crus-galli* Tracy & Earle, smut, Australia (257), India (193), USA (99); *U. sphaerogena* Burr., smut, Turkey, USA (12, 99); *U. trichophora* (Link) Kunze, smut, Argentine (81), Australia (81, 257), Burma, China (81), Czechoslovakia (192), Japan, Italy (99), Morocco, Nigeria (81), Romania (99), USA (75, 81)

***Echinochloa frumentacea* (Roxb.) Link (Japanese barnyard millet)**

Helminthosporium sp., leaf spot, Australia (257); *Phoma sorghina* (Sacc.) Boerema, Dorenb. & van Kest., leaf spot, India, UK (99); *Magnaporthe grisea* (Herbert) M. E. Barr, leaf spot, India (99); *Sphacelotheca almorae* A. Krishna & R. A. Singh, smut, India (99); *Ustilago crus-galli* Tracy & Earle, shoot smut, India (99); *U. panici-frumentacea* Bref., smut, India (99, 193), Malawi (307), Pakistan (2); *U. paradoxa* H. Sydow, Sydow & E. Butler, smut, India (99, 193), Pakistan (2)

***Echinochloa hapoclada* (Stapf) Stapf**

Ustilago sphaerogena Burr., smut, Tanzania (72, 99)

***Echinochloa holubii* (Stapf) Stapf**

Ustilago trichophora (Link) Kunze, smut, South Africa (81)

***Echinochloa polystachya* HBK**

Ephelis japonica Henn., false smut, Puerto Rico (281); *Nigrospora oryzae* Berk. & Broome, stalk rot, Puerto Rico (281); *Periconia sacchari* Johnston, leaf spot, Brazil (99); *Puccinia substriata* Ell. & Barth., rust, Venezuela (278)

***Echinochloa pyramidalis* (Lam.) Hitchc. & Chase (antelope grass)**

Cercospora sorghi Ell. & Everh., leaf spot, Ghana, Uganda (99); *Phyllachora africana* Parbery, tar spot, Kenya, Malawi, Sierra Leone (99, 212), Tanzania (99), Zambia (99, 212); *P. heterospora* Henn., tar spot, Kenya (197); *Phyllachora* sp., tar spot, Australia (99), Malawi (307), Tanzania (72), Zambia (238); *Sphacelia* sp., ergot, Kenya (197); *Ustilago trichophora* (Link) Kunze, smut, Zimbabwe (95, 240)

***Echinochloa stagnina* (Retz.) Beauv.**

Ustilago crus-galli Tracy & Earle, smut, Burma (99)

***Echinochloa turneriana* Domin**

Cintractia crus-galli (Tracy & Earle) Magnus, smut, Australia (140); *Ustilago trichophora* (Link) Kunze, smut, Australia (81, 99, 257)

Echinochloa walteri (Pursh) Heller

Helminthosporium monoceras Drechsl., leaf spot, Australia (257); *Ustilago trichophora* (Link) Kunze, smut, Australia (81)

Echinochloa sp.

Cercospora sp., leaf spot, India (99); *Claviceps* sp., ergot, Brazil (256); *Fusarium moniliforme* Sheldon, root rot, India (99); *Phyllachora africana* Parbery, tar spot, Malawi, Uganda (212); *Phyllachora* sp., tar spot, Australia (99); *Physarum cinerea* (Batsch) Pers., slime mould, India (99); *Puccinia flaccida* Berk. & Broome, rust, Bolivia (76); *Pyricularia oryzae* Briosi & Cavara, blast, Brazil (233); *Sphacelotheca destruens* (Schlecht.) F. L. Stev. & Johnson, smut, India (99); *Ustilago ochracea* Henn., false smut, Zambia (238); *Ustilago crus-galli* Tracy & Earle, smut, Australia (99); *U. trichophora* (Link) Kunze, smut, Australia, Sudan (99)

ERAGROSTIS

Eragrostis arenicola C. E. Hubbard

Uromyces eragrostidis Tracy, rust, Malawi (99); *U. setariae-italicae* Yosh., rust, Malawi (99, 307)

Eragrostis aspera (Jacq.) Nees

Sclerospora buleri Weston, downy mildew, Malawi (99, 307); *Tilletia transvaalensis* Zundel, smut, South Africa (99)

Eragrostis atrovirens (Desf.) Trin.

Drechslera sp., leaf spot, Sierra Leone (99)

Eragrostis bahiensis Schrader

Bipolaris ovariicola Alcorn, ovary parasite, Australia (9)

Eragrostis brownii (Kunth) Nees

Bipolaris ovariicola Alcorn, ovary parasite, Australia (9); *B. perotidis* Alcorn, leaf spot, Australia (8); *Drechslera dematioidea* (Bubák & Wrobl.) Subram. & Jain, leaf spot, New Zealand (99); *Phyllachora eleusines* Henn., tar spot, Kenya (99, 211); *P. eragrostidicola* Doidge, tar spot, Kenya (197)

Eragrostis caespitosa Chiov.

Tilletia sp., smut, Kenya (99, 197); *Uromyces eragrostidis* Tracy, rust, Kenya (99, 197)

Eragrostis capillaris (L.) Nees (lace grass)

Balansia sp., black choke, USA (75); *Phyllachora eragrostidis* Petch, tar spot, USA (75); *Uromyces eragrostidis* Tracy, rust, Puerto Rico (281), USA (75)

Eragrostis chalcantha Trin.

Puccinia eragrostidis-chalcanthae Doidge, rust, South Africa (99)

Eragrostis cilianensis (All.) Vign. (stink grass)

Bipolaris australis Alcorn, ovary parasite, Australia (9); *B. hadotrichoides* (Ell. & Everh.) Luttrell,

leaf spot, USA (99); *Setosphaeria rostrata* Leonard, leaf blight, USA (99); *Ustilago spermophora* Berk. & M. A. Curtis, smut, USA (75, 99)

***Eragrostis ciliaris* (L.) R. Br.**

Bipolaris eragrostidis (Henn.) Shoem., leaf spot, Congo (99); *Uromyces eragrostidis* Tracy, rust, Australia, Brazil (281), Ghana (99), India (281), Jamaica (62, 146), Malawi (26, 307), Mexico (281), Nicaragua (169), Puerto Rico (281), Trinidad & Tobago (22, 99), USA (281), Venezuela (278), Virgin Islands, West Indies (281); *Ustilago spermophora* Berk. & M. A. Curtis, smut, India (99)

***Eragrostis curtipedicellata* Buckley**

Puccinia sp., rust, Venezuela (278)

***Eragrostis curvula* (Schrad.) Nees (weeping love grass)**

Phoma glomerata (Corda) Wollenw. & Hochapf., leaf spot, Zambia (99), Zimbabwe (240); *Phyllachora eleusines* Henn., tar spot, Botswana (211); *Phyllachora* sp., tar spot, Zimbabwe (240); *Uromyces pedicellata* Pole Evans, rust, South Africa (280); *Ustilago spermophora* Berk. & M. A. Curtis, smut, Zimbabwe (240)

***Eragrostis cynosuroides* (Retz.) Beauv.**

Pleospora coluteae Goid. & Wehmeyer, leaf spot, India (99); *Uromyces eragrostidis* Tracy, rust, India (99)

***Eragrostis diarrhena* (Schult.) Steud.**

Exserohilum frumentacei (Mitra) Leonard & Suggs, leaf spot, India (99)

***Eragrostis diplachnoides* Steud.**

Magnaporthe grisea (Herbert) M. E. Barr, leaf spot, Sudan (99)

***Eragrostis ferruginea* (Thunb.) Beauv.**

Ephelis japonica Henn., false smut, Japan (99); *Sphacelotheca kusanoana* Henn., smut, Japan (280); *Ustilago spermophora* Berk. & M. A. Curtis, smut, Japan (99)

***Eragrostis glomerata* (Walt.) Dewey**

Tilletia eragrostidis Clint. & Ricker, smut, USA (99)

***Eragrostis heteromera* Stapf**

Uromyces eragrostidis Tracy, rust, Kenya (99, 197)

***Eragrostis horizontalis* Peter**

Uromyces eragrostidis Tracy, rust, Malawi (26, 307), Malaysia (26)

***Eragrostis intermedia* Hitchc. (plains love grass)**

Uromyces eragrostidis Tracy, rust, USA (75, 99)

***Eragrostis interrupta* (Lam.) Döll**

Bipolaris ovariicola Alcorn, ovary parasite, Australia (9, 99); *Cochliobolus ravenelii* Alcorn, sooty spike, Australia (99); *Didymella* sp., leaf spot, Australia (99); *Phyllosticta* sp., leaf spot, Australia (99); *Ustilago egenula* H. Sydow, Sydow & E. Butler, smut, Pakistan (2)

Eragrostis japonica (Thurl.) Trin.

Cochliobolus bicolor Paul & Parbery, leaf spot, India (99); *Drechslera* sp., leaf spot, India (225); *Tilletia eragrostidis* Clint. & Ricker, smut, Australia (141); *Ustilago egenula* H. Sydow, Sydow & E. Butler, smut, India (99)

Eragrostis kiwuensis Jedwabn.

Uromyces eragrostidis Tracy, rust, Uganda (99)

Eragrostis lappula Nees

Epichloe cinerea Berk. & Broome, flower blight, Zimbabwe (95, 240)

Eragrostis lehmanniana Nees

Fusarium equiseti (Corda) Sacc., not stated, South Africa (99); *Uromyces eragrostidis* Tracy, rust, USA (99)

Eragrostis leptocarpa Benth.

Phyllachora eleusines Henn., tar spot, Australia (211)

Eragrostis longipaniculata De Wild.

Uromyces eragrostidis Tracy, rust, Malawi (26, 99, 307), Malaysia (26)

Eragrostis macilenta (Rich.) Steud.

Cladosporium cladosporioides (Fresen.) de Vries, inflorescence blight, Kenya (99); *Puccinia eragrostidis* Petch, rust, Kenya (99)

Eragrostis megastachya (Koeler) Link

Ustilago spermophora Berk. & M. A. Curtis, smut, Romania (99)

Eragrostis neomexicana Vasey

Uromyces eragrostidis Tracy, rust, Venezuela (278)

Eragrostis nigra Steud.

Puccinia eragrostidis Petch, rust, India (99); *Sorosporium turneri* McAlp., smut, Australia (280)

Eragrostis palmeri S. Wats.

Phyllachora eragrostidis Chardón, tar spot, USA (75, 211)

Eragrostis papposa Steud.

Uromyces eragrostidis Tracy, rust, Kenya (197)

Eragrostis pectinacea (Michaux) Steud.

Uromyces eragrostidis Tracy, rust, Puerto Rico (281), USA (75)

Eragrostis pilosa (L.) Beauv.

Cochliobolus nodulosus Luttrell, leaf blight, India (99); *C. ravenelii* Alcorn, sooty spike, India (231); *Epichloe cinerea* Berk. & Broome, false smut, India (99); *Phyllachora eleusines* Henn., tar spot, Burma (99); *Uromyces eragrostidis* Tracy, rust, Australia (99, 144, 257), Bolivia (76), Colombia (125, 213); *Ustilago spermophora* Berk. & M. A. Curtis, smut, USA (75)

***Eragrostis poaeoides* Beauv.**

Spacelotheca montancensis (Ell. & Holway) Clint., smut, Romania (99); *S. strangulans* (Issats.) Clint., smut, Pakistan (2); *Ustilago spermophora* Berk. & M. A. Curtis, smut, China, Hungary (99), India (193), Pakistan (2), USA (75)

***Eragrostis polytricha* Nees**

Phyllachora eragrostidis Chardón, tar spot, Venezuela (211)

***Eragrostis retinans* Hackel & Arechav.**

Phyllachora eragrostidis Chardón, tar spot, USA (211)

***Eragrostis rigidior* Pilger**

Epichloe cinerea Berk. & Broome, flower blight, Zimbabwe (240); *Phyllachora eleusines* Henn., tar spot, South Africa (211)

***Eragrostis sororia* Domin**

Bipolaris ovariicola Alcorn, ovary parasite, Australia (9)

***Eragrostis spartinoides* Steud.**

Bipolaris ovariicola Alcorn, ovary parasite, Australia (9)

***Eragrostis squamata* (Lam.) Steud.**

Drechslera sp., leaf spot, Sierra Leone (99); *Periconia atropurpurea* (Berk. & M. A. Curtis) Litvinov, leaf spot, Sierra Leone (99); *Phyllachora* sp., tar spot, Sierra Leone (99)

***Eragrostis superba* Peyr.**

Phyllachora eleusines Henn., tar spot, South Africa (99, 211); *Puccinia eragrostidis* Petch, rust, Uganda (99)

***Eragrostis tenuifolia* Steud.**

Ephelis oryzae H. Sydow, false smut, India (99); *Epichloe cinerea* Berk. & Broome, choke, India (99, 231); *Tilletia bungalorense* Thirum. & Pavgi, smut, India (99); *Uromyces eragrostidis* Tracy, rust, Kenya (99, 206)

***Eragrostis tephrosanthos* Schult.**

Uromyces eragrostidis Tracy, rust, Puerto Rico (281)

***Eragrostis tremula* Steud.**

Sclerospora butleri Weston, downy mildew, Sudan (99); *Ustilago spermophora* Berk. & M. A. Curtis, smut, India (193)

***Eragrostis* sp.**

Alternaria sp., leaf spot, USA (12); *Balansia epichloe* (Weese) Diehl., black choke, USA (12); *Colletotrichum graminicola* (Ces.) Wilson, anthracnose, Uganda (99); *Epichloe cinerea* Berk. & Broome, false smut, Zimbabwe (99); *Helminthosporium eragrostidis* Henn., inflorescence blight, Congo (280); *Helminthosporium* sp., leaf spot, USA (12); *Mycosphaerella* sp., leaf spot, Ethiopia (99); *Myriogenospora atramentosa* (Berk. & M. A. Curtis) Diehl, crazy top, USA (174); *Phyllachora eleusines* Henn., tar spot, USA (211); *Pyricularia* sp., leaf spot, Thailand (47); *Sclerospora* sp., downy mildew, Australia (257); *Sorosporium turneri* McAlp., smut, India (99);

Tilletia baldratii Montem., smut, Ethiopia (99); *Uromyces eragrostidis* Tracy, rust, Bolivia (76), Nicaragua (169)

ERIOCHLOA

Eriochloa fatmensis (Hochst. & Steud.) W. D. Clayton
Tolysporium sp., smut, Sudan (99)

Eriochloa meyeriana (Nees) Pilger
Uromyces setariae-italicae Yosh., rust, Kenya (197)

Eriochloa polystachya HBK (carib grass)
Ephelis japonica Henn., false smut, Puerto Rico (281); *Helminthosporium* sp., leaf spot, USA (12); *Phyllachora eriochloae* Speg., tar spot, Dominican Republic (281), Puerto Rico (99); *Puccinia substriata* Ell. & Barth., rust, Venezuela (278); *Sorosporium mixtum* (Masee) McAlp., smut, USA (2); *Uromyces setariae-italicae* Yosh., rust, India (99), Puerto Rico (281), Trinidad & Tobago (22, 99), USA (99), Virgin Islands (281)

Eriochloa procera (Retz.) C. E. Hubbard
Bipolaris sorghicola (Lefebvre & Sherwin) Alcorn, leaf spot, India (99); *Claviceps hirtella* Langdon, ergot, Australia (140, 257); *Phyllachora eriochloae* Speg., tar spot, Argentina (212); *Uromyces setariae-italicae* Yosh., rust, Australia (257), India (231)

Eriochloa punctata (L.) Desv.
Ephelis japonica Henn., false smut, Puerto Rico (281); *Phyllachora eriochloae* Speg., tar spot, Colombia (202), Dominican Republic, Puerto Rico (281); *Sorosporium mixtum* (Masee) McAlp., smut, USA (75); *Uromyces setariae-italicae* Yosh., rust, Trinidad & Tobago (22)

Eriochloa pseudoacrotricha (Thell.) C. E. Hubbard
Claviceps hirtella Langdon, ergot, Australia (257); *Sorosporium eriochloae* Griff., smut, Australia (257); *S. mixtum* (Masee) McAlp., smut, Australia (99); *Uromyces setariae-italicae* Yosh., rust, Australia (257)

Eriochloa sp.
Claviceps hirtella Langdon, ergot, Australia (140); *Uromyces setariae-italicae* Yosh., rust, Australia (99)

ERIOSEMA

Eriosema affine De Wild.
Uromyces rhynchosiae Cooke, rust, Zambia (99)

Eriosema crinatum (HBK) Don
Phakopsora pachyrhizi H. Sydow & Sydow, rust, Australia (257)

***Eriosema englerianum* Harms**

Parodiella hedysari (Schwein.) S. Hughes, leaf mould, Zimbabwe (95)

***Eriosema flemingioides* Baker**

Cercospora sp., leaf spot, Uganda (99)

***Eriosema glomeratum* (Guill. & Perr.) Hook. f.**

Meliola stizolobii Hansf. & Deighton var. *eriosematis* Hansf. & Deighton, sooty mould, Guinea, Sierra Leone (99)

***Eriosema griseum* Baker**

Sclerotium sp., collar rot, East Africa (99)

***Eriosema psoraleoides* (Lam.) Don**

Cercospora eriosematis Hansf., leaf spot, Uganda (53, 99); *Meliola stizolobii* Hansf. & Deighton var. *eriosematis* Hansf. & Deighton, sooty mould, Sierra Leone, Uganda (99); *Synchytrium eriosematis* (Henn.) Sydow, false rust, Uganda (99)

***Eriosema spicatum* Hook. f.**

Meliola vignae-gracilis Hansf. & Deighton, sooty mould, Sierra Leone (99)

***Eriosema violaceum* (Aublet) Don**

Parodiella hedysari (Schwein.) S. Hughes, leaf mould, Trinidad & Tobago (22, 99)

***Eriosema* sp.**

Aecidium eriosematis Henn., rust, Brazil (256); *Cercospora eriosematis* Hansf., leaf spot, Uganda (53); *Parodiella hedysari* (Schwein.) S. Hughes, leaf mould, Congo, Zimbabwe (99); *Uredo* sp., rust, Papua New Guinea (99); *Uromyces dolichi* Cooke, rust, Zimbabwe (95)

ERYTHRINA***Erythrina abyssinica* DC.**

Cercospora tomentosae Hansf., leaf spot, Kenya (99, 197), Uganda (99); *Diplodina* sp., twig blight, Zambia (99); *Meliola bicornis* Winter, sooty mould, Uganda (99); *Mycosphaerella erythrinae* Koord., leaf spot, Venezuela (99)

***Erythrina addisoniae* Hutch. & Dalziel**

Cercospora canescens Ell. & Mart., leaf spot, Sierra Leone (99); *Meliola bicornis* Winter, sooty mould, Congo, Sierra Leone (99)

***Erythrina arborescens* Roxb.**

Nectria haematococca Berk. & Broome, dieback, India (99)

***Erythrina berteroa* Urb.**

Cercospora erythrinicola Tharp, leaf spot, Cuba (99); *Glomerella cingulata* (Stonem.) Spauld. & Schrenk, anthracnose, Cuba, Venezuela (99); *Mycosphaerella erythrinae* Koord., leaf spot,

Venezuela (99); *Phakopsora pachyrhizi* H. Sydow & Sydow, rust, Costa Rica, Mexico, South America, West Indies, (60); *Uredo erythrinae* Henn., rust, Guatemala (58)

***Erythrina corallodendron* L.**

Meliola bicornis Winter, sooty mould, Trinidad (22, 99)

***Erythrina crista-galli* L.** (cockspur coral tree)

Armillaria mellea (Fr.) Kummer, root rot, USA (75); *Cercospora erythrinae* Ell. & Everh., leaf spot, Sierra Leone (99), USA (75); *Dicheirinia binata* (Berk.) Arthur, rust, Puerto Rico, West Indies (281); *Elsinoe erythrinae* Sivan. & Gomez, scab, Brazil (29); *Meliola bicornis* Winter, sooty mould, Sierra Leone (99); *Mycosphaerella erythrinae* Koord., leaf spot, Costa Rica (99)

***Erythrina fusca* Lour.**

Cercospora erythrinae Ell. & Everh., leaf spot, Venezuela (99, 278); *Dicheirinia binata* (Berk.) Arthur, rust, Barbados (21), Brazil (77), Colombia (49, 125), Grenada (99), Trinidad (22, 99), Venezuela (50, 99, 278); *Phyllosticta erythrinicola* Young, leaf spot, Venezuela (50, 278); *Pseudocercospora pittieri* (H. Sydow) Deighton, leaf spot, Trinidad (99), Venezuela (99, 278); *Puccinia* sp., rust, Venezuela (278); *Stagonospora erythrinae* F. L. Stev. & Young, leaf blotch, India (99); *Stigmia pamelae-ellisiae* G. P. Agarwal & N. D. Sharma, leaf blight, India (99); *Uredo erythrinae* Henn., rust, Venezuela (124)

***Erythrina orientalis* (L.) Merr.**

Alternaria tenuissima (Pers.) Wiltsh., leaf spot, India (99); *Ascochyta erythrinae* Elisei, leaf spot, Papua New Guinea (250); *Botrydiplodia theobromae* Pat., root rot, India (99); *Cercospora* sp., leaf spot, India (99); *Cercospora canescens* Ell. & Mart., leaf spot, India (99); *C. erythrinae* Ell. & Everh., leaf spot, India (231); *C. erythrinicola* Tharp, leaf spot, India (99); *Cercospora* sp., leaf spot, Papua New Guinea (250); *Coniothyrium fuckelii* Sacc., leaf spot, India (99); *Fusarium equiseti* (Corda) Sacc., not stated, India (99); *Glomerella cingulata* (Stonem.) Spauld. & Schrenk, anthracnose, India, Zambia (99); *Helminthosporium erythrinae* Thirum. & Narasimh., leaf spot, India (99); *Meliola erythrinae* H. Sydow & Sydow, sooty mould, Papua New Guinea (250), Philippines (99); *Myrothecium roridum* Fr., leaf spot, India (291); *Oidium* sp., powdery mildew, India (231); *Periconia byssoides* Pers., stem spot, India (99); *Phoma sorghina* (Sacc.) Boerema, Dorenb. & van Kest., leaf spot, India (99); *Septoria erythrinae* T. S. & K. Ramakr., leaf spot, India (231); *Stagonospora erythrinae* F. L. Stev. & Young, leaf scorch, India, New Caledonia (99); *Thyronectria pseudotrichia* (Schwein.) Seeler, dieback, India (99)

***Erythrina poeppigiana* (Walp.) O. F. Cook**

Elsinoe erythrinae Sivan. & Gomez, scab, Costa Rica (99); *Phyllosticta erythrinicola* Young, white leaf spot, Dominican Republic, Puerto Rico, Venezuela (281)

***Erythrina senegalensis* DC.**

Acremonium zonatum (Saw.) W. Gams, foliar blight, Sierra Leone (99); *Cercospora erythrinae* Ell. & Everh., leaf spot, Ghana (97, 99), Guinea, Nigeria, Sierra Leone (99); *Cercospora* sp., leaf spot, Nigeria (99); *Colletotrichum* sp., anthracnose, Guinea (99); *Glomerella cingulata* (Stonem.) Spauld. & Schrenk, anthracnose, Sierra Leone (99); *Meliola bicornis* Winter, sooty mould, Ghana, Guinea, Nigeria, Sierra Leone (99); *M. teramni* H. Sydow & Sydow, sooty mould, Ghana (99); *Phakopsora pachyrhizi* H. Sydow & Sydow, rust, Sierra Leone (99); *Phomopsis* sp., not stated, Nigeria (99); *Pseudocercospora pulviniformis* (Kranz) Deighton, leaf spot, Guinea, Sierra Leone (99)

***Erythrina speciosa* Andrews**

Elsinoe erythrinae Sivan. & Gomez, scab, Brazil (32, 99)

***Erythrina stricta* Roxb.**

Cercoseptoria sp., leaf spot, India (99); *Fusarium solani* (Mart.) Sacc., wilt, India (99)

***Erythrina suberosa* Roxb.**

Ascochyta erythrinae Elisei, leaf spot, India (99); *Cercospora canescens* Ell. & Mart., leaf spot, Pakistan (99); *C. erythrinicola* Tharp, leaf spot, Pakistan, (127); *Helminthosporium erythrinae* Thirum. & Narasimh., leaf spot, India (99, 231); *Leptosphaeria* sp., leaf spot, India (99); *Periconia byssoides* Pers., stem spot, India (99); *Phomopsis* sp., stem dieback, India, Pakistan (99); *Stigmia pamela-ellisiae* G. P. Agarwal & N. D. Sharma, leaf blight, Burma (99)

***Erythrina subumbrans* (Hassk.) Merr.**

Aithaloderma sp., sooty mould, Malaysia (261); *Armillaria mellea* (Fr.) Kummer, root rot, Tanzania (239); *Caldariomyces* sp., sooty mold, Malaysia (261); *Cercospora canescens* Ell. & Mart., leaf spot, India (99); *Colletotrichum* sp., anthracnose, Thailand (227); *Fusarium javanicum* Koord., stem rot, Malaysia (261); *F. moniliforme* Sheldon var. *subglutinans* Wollenw. & Reink., root rot, Malaysia (99); *F. solani* (Mart.) Sacc., wilt, Malaysia, (99); *Meliola erythrinicola* Deighton, sooty mould, Malaysia (99, 261); *Phakopsora pachyrhizi* H. Sydow & Sydow, rust, Malaysia (99, 261); *Phomopsis* sp., branch dieback, Malaysia (99, 261); *Rhizoctonia* sp., foliar blight, Fiji (99); *Stagonospora* sp., leaf rim scorch, Malaysia (99, 261)

***Erythrina variegata* L.**

Ascochyta erythrinae Elisei, leaf spot, Papua New Guinea (250); *Cercospora canescens* Ell. & Mart., leaf spot, India (99); *Cercospora* sp., leaf spot, Bangladesh, India (99), Papua New Guinea (250); *Cladosporium oxysporum* Berk. & M. A. Curtis, green mould, India (99); *Cochliobolus lunatus* Nelson & Haasis, leaf spot, India (99); *C. spicifer* Nelson, leaf spot, India (99); *Colletotrichum* sp., anthracnose, Guinea (99); *Glomerella cingulata* (Stonem.) Spauld. & Schrenk, anthracnose, Guam (241), Guyana (99); *Meliola erythrinae* H. Sydow & Sydow, sooty mould, Papua New Guinea (250); *Phoma musae* Sacc., leaf spot, Guam (241)

***Erythrina velutina* Roxb.**

Phakopsora pachyrhizi H. Sydow & Sydow, rust, Sierra Leone (99); *Uromyces* sp., rust, Venezuela (99)

***Erythrina* sp.**

Armillariella tabescens (Fr.) Singer, root rot, USA (12); *Ascochyta erythrinae* Elisei, leaf spot, Burma, Papua New Guinea (99); *Cercoseptoria* sp., leaf spot, India (99); *Cercospora canescens* Ell. & Mart., leaf spot, Burma (99); *C. erythrinae* Ell. & Everh., leaf spot, Guinea, Venezuela (99), USA (12); *Cercospora* sp., leaf spot, Burma, Papua New Guinea (99); *Cochliobolus lunatus* Nelson & Haasis, leaf spot, India (99); *Colletotrichum erythrinae* Ell. & Everh., anthracnose, USA (12); *Colletotrichum* sp., leaf spot, India (231); *Dicheirinia binata* (Berk.) Arthur, rust, Cuba (99), Venezuela (278); *Didymosphaeria muelleri* Mukerji & S. Kapoor, shoot blight, India (99); *Fomes auberianus* (Mont.) Murrill, root rot, Trinidad (22); *Glomerella cingulata* (Stonem.) Spauld. & Schrenk, anthracnose, Fiji (99), Mauritius (99, 207), Papua New Guinea (99); *Meliola bicornis* Winter, sooty mould, Congo, Indonesia, Uganda (99); *M. erythrinae* H. Sydow & Sydow, sooty mould, Indonesia, Papua New Guinea (99); *M. teramni* H. Sydow & Sydow, sooty mould, Ghana (99); *Mycosphaerella erythrinae* Koord., leaf spot, Trinidad (22), Venezuela (99); *Myrothecium prestonii* Tulloch, leaf spot, Vanuatu (99); *Oidium* sp., powdery mildew, Costa Rica (279), USA (12); *Phakopsora pachyrhizi* H. Sydow & Sydow, rust, Burma, New Caledonia (99); *Phomopsis* sp., twig dieback, Cyprus, India, Sri Lanka, Venezuela (99); *Phyllosticta lasadjuntas* Toro, leaf spot,

Venezuela (50, 278); *Phyllosticta* sp., leaf spot, Ethiopia (99), USA (12); *Rhizoctonia ramicola* Roberts & Weber, thread blight, USA (12); *R. solani* Kühn, foliar blight, Vanuatu (99); *Septoria erythrinae* T. S. & K. Ramakr., leaf spot, India (231), Western Samoa (99); *Septoria* sp., leaf spot, Jamaica (99, 146); *Sphaerulina* sp., leaf scorch, Venezuela (99); *Stagonospora* sp., leaf scorch, Ethiopia (99); *Uredo erythrinae* Henn., rust, Pakistan (3), Papua New Guinea (250)

FLEMINGIA

Flemingia bracteata (Roxb.) Wight

Cercospora flemingiae S. M. Singh, leaf spot, India (99)

Flemingia macrophylla (Willd.) Merr.

Cercospora canescens Ell. & Mart., leaf spot, Papua New Guinea (99); *Cercospora* sp., leaf spot, Papua New Guinea (250), Uganda (99); *Marasmiellus scandens* (Masse) Dennis & Reid, thread blight, Malaysia (135); *Meliola* sp., sooty mould, Malaysia (99), *Parodiella hedysari* (Schwein.) S. Hughes, leaf mould, Philippines (99); *Phanerochaete salmonicolor* (Berk. & Broome) Jülich, pink disease, Malaysia (170), Papua New Guinea (250); *Phellinus noxius* (Corner) G. Cunn., root rot, Papua New Guinea (250); *Rigidoporus lignosus* (Klotzsch) Imazeki, white root disease, Malaysia (170); *Thanatephorus cucumeris* (Frank) Donk, foliar blight, Malaysia (99)

Flemingia parviflora Roxb.

Parodiella hedysari (Schwein.) S. Hughes, leaf mould, Australia (99)

Flemingia prostrata Roxb.

Cercospora flemingiae S. M. Singh, leaf spot, India (99)

Flemingia semialata Roxb.

Phyllachora flemingiae T. S. Ramakr. & Sundar., tar spot, India (231)

Flemingia strobilifera (L.) R. Br.

Glomerella cingulata (Stonem.) Spauld. & Schrenk, anthracnose, India (99); *Meliola* sp., sooty mould, Malaysia (99)

Flemingia sp.

Pestalotiopsis hypoderma (Niessl) Steyaert, leaf spot, Trinidad (99); *Pseudocercospora melaena* (H. Sydow) Deighton, leaf spot, India (99)

GALACTIA

Galactia canescens Benth.

Pseudocercospora sp., leaf spot, USA (99)

Galactia dubia DC.

Meliola galactiae (F. L. Stev.) Hansf., sooty mould, Costa Rica (281), Puerto Rico (99, 281);

Phyllachora galactiae Earle, tar spot, Bahamas, Dominican Republic, Puerto Rico, West Indies (281)

***Galactia eggersii* Urb.**

Cercospora flagellifera Atk., leaf spot, Puerto Rico, West Indies (281); *Sphaceloma* sp., scab, USA (75)

***Galactia nuttallii* Ell.**

Cercospora galactiae Ell. & Everh., leaf spot, USA (53)

***Galactia pendula* Pers.**

Meliola rudolphiae F. L. Stev., sooty mould, Jamaica (146)

***Galactia pilosa* Ell.**

Cercospora flagellifera Atk., leaf spot, USA (75), West Indies (53)

***Galactia striata* (Jacq.) Urb. (frijolillo, galactia)**

Cercospora flagellifera Atk., leaf spot, Puerto Rico, West Indies (281); *Cercospora* sp., foliar blight, Colombia, Brazil (147); *Colletotrichum gloeosporioides* (Penz.) Penz. & Sacc., anthracnose, Colombia, Brazil (147), USA (159); *C. truncatum* (Schwein.) Andrus & Moore, anthracnose, Colombia, Brazil (147), USA (159); *Fusarium* sp., root rot, Colombia (147); *Phoma* sp., foliar blight, Colombia (147); *Phyllachora galactiae* Earle, tar spot, Bahamas (281), Colombia (49), Dominican Republic (281), Puerto Rico (281), Venezuela (50, 278), West Indies (281); *P. ospinae* Chardón, tar spot, Colombia (49); *Rhizoctonia solani* Kühn, foliar blight, Bolivia, Brazil, Colombia, Peru (147)

***Galactia* sp.**

Cercospora flagellifera Atk. & Mart., leaf spot, (53); *Meliola stizobii* Hansf. & Deighton var. *desmodii-salicifolii* Hansf. & Deighton, sooty mould, Jamaica (146); *Phyllachora galactiae* Earle, tar spot, Peru (83), Venezuela (278); *Phyllachora* sp., tar spot, Venezuela (278); *Synchytrium dolichi* (Cooke) Gäum., false rust/wart, Bengal (3), Venezuela (278)

GLIRICIDIA

***Gliricidia sepium* (Jacq.) Walp. (mata ratón, madre de cacao)**

Armillaria mellea (Vahl.) Kummer, collar rot, Malawi (219, 307); *Botryodiplodia excipuloides* (Sacc. & Sydow) H. Sydow, root rot, Philippines (99); *B. theobromae* Pat., root rot, India (99), Trinidad (22); *Botryosphaeria dothidea* (Fr.) Ces. & de Not., dieback, Sierra Leone (99); *B. ribis* Grossenb. & Dugg., dieback, Colombia (147); *Cercospora atropurpurascens* Chupp, leaf spot, Puerto Rico (281), Venezuela (50, 278, 281); *C. canescens* Ell. & Mart., leaf spot, India (99); *C. gliricidiae* H. Sydow & Sydow, leaf spot, India (231); *Cercospora* sp., leaf spot, Venezuela (278); *Cercosporidium gliricidiasis* (Frag. & Cif.) Deighton, leaf spot, Cuba (99), Dominican Republic (99, 281), Grenada (21), Jamaica (99, 146), Nigeria (164), Puerto Rico (281), Trinidad (22), Venezuela (50, 99, 278, 281); *Cladosporium* sp., green mould, Jamaica (99, 146), Venezuela (99); *Colletotrichum gloeosporioides* (Penz.) Penz. & Sacc., leaf spot, India (99, 231), Nigeria (164); *C. truncatum* (Schwein.) Andrus & Moore, anthracnose, India (231), Venezuela (99); *Corynespora cassiicola*

(Berk. & M. A. Curtis) Wei, leaf blight, India (99), Malaysia (99, 170); *Dendryphiella vinosa* (Berk. & M. A. Curtis) Reisinger, leaf spot, Sierra Leone (99); *Fusarium decemcellulare* Brick, stem canker, El Salvador (282); *Leptosphaerulina trifolii* (Rostrup) Petrak, leaf spot, India (99); *Marasmius crinisequi* Kalchbr., horse-hair blight, Malaysia (170); *Meliola bicornis* Winter, sooty mould, Ghana, Guinea (99), Jamaica (99, 146), Nigeria, Sierra Leone, Uganda (99); *M. gliricidiae* H. Sydow & Sydow, sooty mould, Malaysia, Philippines, Sierra Leone (99); *Nectria haematococca* Berk. & Broome, dieback, Nigeria (99); *N. rigidiuscula* (Berk. & Broome) Sacc., dieback, Sierra Leone (99); *Oidium* sp., powdery mildew, Jamaica (146); *Periconia byssoides* Pers., leaf spot, India (99, 231), Malaysia (99); *Pestalotiopsis algeriensis* (Sacc. & Berk.) Guba, leaf spot, India (231); *Phanerochaete salmonicolor* (Berk. & Broome) Jülich, pink disease, Papua New Guinea (99); *Phaeoisariopsis* sp., angular leaf spot, El Salvador (282); *Phoma* sp., leaf spot, Malaysia (99); *Phomopsis gliricidiae* H. Sydow & Sydow, wilt and dieback, Malawi (99); *Phomopsis* sp., twig dieback, El Salvador (282); *Phyllosticta* sp., leaf spot, Cuba (99), India (99, 231); *Rhizoctonia solani* Kühn, foliar blight, Papua New Guinea (250); *Rosellinia pepo* Pat., root rot, El Salvador (282); *Sphaerostilbe repens* Berk. & Broome, stinking root rot, Malaysia (170)

Gliricidia sp.

Botryodiplodia theobromae Pat., root rot, India (99); *Cercosporidium gliricidiasis* (Frag. & Cif.) Deighton, leaf spot, Cuba, Jamaica, Nigeria (99); *Glomerella cingulata* (Stonem.) Spauld. & Schrenk, anthracnose, Malaysia (99); *Nectria haematococca* Berk. & Broome, dieback, Nigeria (99); *Pestalotia algeriensis* (Sacc. & Berl.) Guba, leaf spot, India (99); *Phomopsis gliricidiae* H. Sydow & Sydow, wilt and dieback, Malaysia (99)

GLYCINE

Glycine canescens F. J. Herm.

Phakopsora pachyrhizi H. Sydow & Sydow, rust, Australia (41)

Glycine clandestina Wendl.

Phakopsora pachyrhizi H. Sydow & Sydow, rust, Australia (41, 99, 257, 299); *Pseudocercospora glycines* (Cooke) Deighton, leaf spot, Australia (99); *Synchytrium dolichi* (Cooke) Gäum., leaf and stem gall, false rust/wart, Australia (147, 299)

Glycine falcata Benth.

Phakopsora pachyrhizi H. Sydow & Sydow, rust, Australia (41, 299)

Glycine javanica L.

Acididium glycines Henn., rust, Tanzania (99); *Ascochyta phaseolorum* Sacc., zonate leaf spot, Australia (4); *A. sojicola* Abramoff, foliar blight, Kenya (197); *Cercospora* sp., foliar blight, Australia (257), Kenya (197); *Meliola bicornis* Winter, sooty mould, Uganda (99); *Oidium* sp., powdery mildew, Kenya (99); *Phakopsora pachyrhizi* H. Sydow & Sydow, rust, Australia (257); *Phyllosticta glycinea* Tehon & Daniels, leaf spot, Zambia (99); *Pyrenochaeta glycines* Stewart, leaf and pod spot, Uganda, Zambia (99); *Rhizoctonia* sp., foliar blight, Australia (257); *Synchytrium dolichi* (Cooke) Gäum., false rust/wart, Ethiopia (99), Kenya (99, 197), Malawi, Zambia, Zimbabwe (99)

Glycine latrobeana (Meissner) Benth.

Phakopsora pachyrhizi H. Sydow & Sydow, rust, Australia (41)

***Glycine tabacina* (Labill.) Benth.**

Cercospora kikuchii (Matsum. & Tomoy.) Gardner, leaf spot, Zambia (99); *Cercospora* sp., leaf spot, Australia (99); *Colletotrichum truncatum* (Schwein.) Andrus & Moore, anthracnose, Australia (99); *Myrothecium roridum* Fr., leaf spot, Zambia (99); *Peronospora manshurica* (Naumov) H. Sydow, downy mildew, Australia (299); *Phakopsora pachyrhizi* H. Sydow & Sydow, rust, Australia (41); *Pseudocercospora glycines* (Cooke) Deighton, leaf spot, Australia (5, 99, 299); *Stagonospora* sp., leaf scorch, Zambia (99); *Synchytrium dolichi* (Cooke) Gäum., leaf and stem gall, false rust/wart, Australia (147, 299)

***Glycine triloba* Burm. f.**

Ascochyta phaseolorum Sacc., leaf spot, Sudan (99); *Cercospora canescens* Ell. & Mart., leaf spot, India, Sudan (99); *Cochliobolus lunatus* Nelson & Haasis, leaf spot, Sudan (99); *Colletotrichum lindemuthianum* (Sacc. & Magn.) Briosi & Cavara, anthracnose, India (99); *Macrophomina phaseolina* (Tassi) Goid., wilt, Sudan (99); *Oidium* sp., powdery mildew, India, Pakistan, Sudan (99)

***Glycine tomentella* Hayata**

Cercospora sp., leaf spot, Australia (299); *Peronospora manshurica* (Naumov) H. Sydow, downy mildew, Australia (299); *Phakopsora pachyrhizi* H. Sydow & Sydow, rust, Australia (41, 299); *Pseudocercospora glycines* (Cooke) Deighton, leaf spot, Australia (99)

***Glycine ussuriensis* Regel & Maack**

Acremonium sp., not stated, India (99); *Alternaria alternata* (Fr.) Keissler, leaf spot, Egypt (99); *A. macrospora* Zimmerm., leaf spot, Zambia (99); *A. tenuissima* (Pers.) Wiltsh., leaf spot, Bhutan, India (99); *Ascochyta phaseolorum* Sacc., leaf spot, Fiji, Nepal, Tanzania (99); *A. sojicola* Abramoff, leaf spot, Nepal (99); *Cercospora canescens* Ell. & Mart., leaf spot, Australia (99); *C. kikuchii* (Matsum. & Tomoy.) Gardner, leaf spot, Bolivia, Ghana, Mozambique, Zimbabwe (99); *Cercospora* sp., leaf spot, Ethiopia, Mozambique (99); *Cochliobolus hawaiiensis* Alcorn, leaf spot, Mozambique (99); *C. spicifera* Nelson, leaf spot, India (99); *Colletotrichum capsici* (H. Sydow) E. Butler & Bisby, anthracnose, Fiji, India, Australia (99); *C. truncatum* (Schwein.) Andrus & Moore, anthracnose, India, Thailand, Zambia (99); *Corticium rolfsii* Curzi, wilt and stem rot, India (99); *Corynespora cassiicola* (Berk. & M. A. Curtis) Wei, leaf and stem spot, Fiji, Thailand (99); *Curvularia lunata* (Walker) Boedijn var. *aeria* (Bat., Lima & Vascon.) M. B. Ellis, leaf spot, India (99); *Cylindrocladium clavatum* Hodges & May, leaf spot, Brazil (99); *Diaporthe phaseolorum* (Cooke & Ell.) Sacc., stem canker, Brazil, Thailand (99); *Fusarium moniliforme* Sheldon, wilt, Australia (99); *Fusarium oxysporum* Schlecht., wilt, Canada, India (99); *Glomerella cingulata* (Stonem.) Spauld. & Schrenk, anthracnose, India, Nigeria (99); *Leptosphaerulina trifolii* (Rostrup) Petrak, leaf spot, Fiji, India, Mauritius, Uganda (99); *Myrothecium verrucaria* (Alb. & Schwein. : Fr.) Fr., seed associate, Denmark (99); *Nematospora coryli* Pegler, yeast spot, Zambia (99); *Periconia byssoides* Pers., leaf spot, Fiji, India (99); *Pestalotiopsis* sp., leaf spot, Tanzania (99); *Phakopsora pachyrhizi* H. Sydow & Sydow, rust, Australia, India (99); *Phoma medicaginis* Malbr. & Roum., leaf spot, Zambia (99); *Phoma* sp., leaf spot, Ethiopia (99); *Phomopsis* sp., dieback, Fiji (99); *Phyllosticta glycinea* Tehon & Daniels, leaf spot, Uganda, Zaire (99); *Phyllosticta* sp., leaf spot, Trinidad (99); *Pleospora herbarum* (Fr.) Ces. & de Not., leaf spot, India, Israel (99); *P. infectoria* Fuckel, leaf spot, India, Israel (99); *Pyrenochaeta glycines* Stewart, leaf and pod spot, India, Malawi, Zaire, Zambia, Zimbabwe (99); *Pythium aphanidermatum* (Edson) Fitzp., wilt, Thailand (99); *P. bulteri* Subram., wilt, Egypt, Malaysia (99); *P. middletonii* Sparrow, wilt, Egypt (99); *Rhizoctonia solani* Kühn, foliar blight, Ghana, India, Sudan (99); *Rhizopus stolonifer* (Fr.) Lind, seed associate and seedling blight, Thailand (99); *Septoria glycines* Hemmi, leaf spot, Bolivia

(99); *Setosphaeria rostrata* Leonard, foliar blight, India (99); *Thielavia terricola* (Gilman & Abbott) Emmons, root rot, India (99); *Volutella collettrichoides* Chilton, leaf blight, Zaire (99)

***Glycine* sp.**

Cercospora sp., foliar blight, Kenya (197); *Mycosphaerella cruenta* Sacc., foliar blight, USA (53); *Phakopsora pachyrhizi* H. Sydow & Sydow, rust, Australia (257); *Synchytrium dolichi* (Cooke) Gäum., false rust, Kenya (197)

HEMARTHRIA

Hemarthria altissima (Poiret) Stapf & C. E. Hubbard (limpo grass, gramilla canita, hemarthria)
Cercospora sp., leaf spot, French Guyana (24); *Cochliobolus lunatus* Nelson & Haasis, leaf spot, Mauritius (207); *Puccinia cacao* McAlp., rust, South Africa (99); *P. rottboelliae* Sydow & H. Sydow, rust, Zimbabwe (240); *Puccinia* sp., rust, Barbados (200); *Sphacelotheca ophiuri* (Henn.) Ling, smut, India (233); *S. rottboelliae* (H. Sydow, Sydow & E. Butler) Mundkur, smut, Malawi (99, 307); *Uromyces* sp., rust, USA (75)

Hemarthria compressa (L.f.) R. Br.

Puccinia cacao McAlp., rust, India (99); *Sphacelotheca rottboelliae* (H. Sydow, Sydow & E. Butler) Mundkur, smut, India (99, 193), Pakistan (2); *Uromyces clignyi* Pat. & Har., rust, Mauritius (99); *Ustilago flagellata* H. Sydow & Sydow, smut, India (193)

Hemarthria fasciculata Kunth

Puccinia rottboelliae H. Sydow & Sydow, rust, Zimbabwe (95)

***Hemarthria* sp.**

Sphacelotheca rottboelliae (H. Sydow, Sydow & E. Butler) Mundkur, smut, Malawi (99)

HETEROPOGON

Heteropogon contortus (L.) Beauv. (tanglehead)

Balansia sclerotica (Pat.) Höhnelt, false smut, India (231); *Cerebella andropogonis* Ces., false smut, Burma (232), Nepal (99), Papua New Guinea (250), USA (75); *Claviceps pusilla* Ces., ergot, Australia (144, 257), Zimbabwe (240); *Claviceps* sp., ergot, India (231), Zambia (99); *Cochliobolus cynodontis* Nelson, leaf spot, India (99); *C. lunatus* Nelson & Haasis, leaf spot, Pakistan (99); *C. spicifera* Nelson, leaf spot, Pakistan (99); *Curvularia andropogonis* (Zimmerm.) Boedijn, leaf spot, Australia (99); *C. trifolii* (Kauffm.) Boedijn, leaf stripe, Ghana (99), Papua New Guinea (99, 250); *Exserohilum heteropogonicola* Sivan., leaf spot, India (99); *Fusarium heterosporum* Fr., pink ear, Zimbabwe (240); *Hendersonia culmicola* Sacc. var. *minor* (Sacc.) Sacc., associated with leaf spot, Tanzania (72, 99); *Leptosphaeria* sp., leaf spot, India (99); *Monochaetiella themedae* Kandas. & Sundar., leaf blotch, Australia (257, 289); *Monochaetiellopsis themedae* (Kandas. & Sundar.) B. Sutton & Di Cosmo, false rust, Tanzania (72); *Myrothecium roridium* Fr., leaf spot, Pakistan (99);

Periconia echinocloae (Bat.) M. B. Ellis, leaf spot, Zambia (99); *Pestalotiopsis versicolor* (Speg.) Steyaert, leaf spot, India (99); *Phyllachora ischaemi* H. Sydow & Sydow, tar spot, Burma, India (99); *Puccinia versicolor* Dietel & Holway, rust, Argentina (280), Australia (257), Burma (232), Ghana (97), India (99, 231, 280), Malawi (307), Mauritius (26, 207, 306), Mexico (280), Papua New Guinea (99, 250), USA (75), Zimbabwe (95, 240); *Puccinia* sp., rust, Pakistan (99); *Rhizopus oryzae* Went & Prinsen Geerl., seed associate, India (99); *Septoria heteropogonicola* Patil, Sukapure & Thirum., leaf spot, India (99); *Sorosporium anthistirae* (Cobb) Ling, smut, Australia (99, 257), Malawi (99, 307), Zambia (99); *S. caledonicum* Pat., smut, Australia (99, 257), China, Ghana, India (99), Papua New Guinea (99, 250); *S. contortum* Griffiths, smut, India (193), USA (75); *S. glutinosum* Zundel, smut, Australia, Mauritius (99); *S. heteropogonis-contorti* Baccar., smut, Australia (144); *S. heteropogonicola* Mundkur & Thirum., smut, India (99, 193, 231); *Sorosporium* sp., smut, Mauritius (306); *Sphacelia* sp., ergot, India (231), Malawi (99, 307); *Sphacelotheca andropogonis* (Opiz) Bubák, smut, Tanzania (99); *C. columellifera* (Tul.) Cif., smut, Tanzania (239); *S. monilifera* (Ell. & Everh.) Clinton, smut, Australia (99, 257), India (99, 193, 233), Malawi (99, 307), Pakistan (2), Papua New Guinea (99, 250), Tanzania (239), Uganda (99), USA (75), Zimbabwe (95, 99, 240); *S. warneckeana* (Henn.) Zundel, smut, Australia (92); *S. zilligii* Zundel, smut, India (193, 231), Sudan (99); *Sporisorium andropogonis* Petch, smut, USA (75); *Tetraploa aristata* Berk. & Broome, leaf spot, Ghana (97, 99); *Uredo* sp., rust, India (99); *Uromyces clignyi* Pat. & Har., rust, Australia, India, Pakistan (99); *Urocystis* sp., smut, (99); *Ustilago filiformis* Henn., smut, East Africa (280); *U. warneckeana* Henn., smut, Cameroon, India (280)

***Heteropogon melanocarpus* (Ell.) Benth. (sweet tangle-head)**

Helminthosporium sp., leaf spot, USA (12, 75); *Phyllachora graminis* (Fr.) Fuckel, tar spot, USA (12, 75); *Puccinia versicolor* Dietel & Holway, rust, Malawi (26, 307), Zimbabwe (95, 240); *Sphacelotheca nealii* (Ell. & Anders.) Clinton, smut, Malawi (55, 307), USA (12)

HYPARRHENIA

***Hyparrhenia anthistirioides* (A. Rich.) Stapf**

Uromyces clignyi Pat. & Har., rust, Ethiopia (99)

***Hyparrhenia chrysargyrea* (Stapf) Stapf**

Sphacelotheca barcinonensis Riofrio, smut, Ghana (99)

***Hyparrhenia confinis* (A. Rich.) Stapf**

Periconia circinata (Magnus) Sacc., leaf spot, Tanzania (99)

***Hyparrhenia cyanescens* (Stapf) Stapf**

Cerebella andropogonis Ces., false smut, Cuba (99); *Phyllosticta* sp., leaf spot, Nigeria (99)

***Hyparrhenia cymbaria* (L.) Stapf**

Balansia sclerotica (Pat.) Höhnelt, false smut, Uganda (99); *Cerebella andropogonis* Ces., false smut, Uganda (99); *Claviceps* sp., ergot, Kenya (197); *Monochaetiella hyparrheniae* Castell., leaf spot, Ethiopia (99); *Puccinia eritreaensis* Pazschke, rust, Tanzania (72); *P. versicolor* Dietel & Holway, rust, Malawi (26, 99, 219); *Sorosporium maranguense* Henn., smut, Malawi, Sudan (99); *S. tembuti* Pole Evans & Henn., smut, Uganda (99); *Sphacelotheca ritchiei* Zundel, smut, Malawi (99), Tanzania (239)

***Hyparrhenia dregeana* (Nees) Stent**

Sorosporium tembuti Pole Evans & Henn., smut, South Africa (99)

***Hyparrhenia diplandra* (Hackel) Stapf**

Cerebella andropogonis Ces., false smut, Zambia (99); *Phyllachora luteomaculata* (Schwein.) C. R. Ort., tar spot, Sierra Leone (99); *Puccinia andropogonicola* Har. & Pat., rust, Kenya (99, 197); *P. eritraeensis* Paszchke, rust, Tanzania (72); *Sorosporium everhartii* Ell. & Gall., smut, Congo (99); *Sphacelotheca congensis* (H. Sydow & Sydow) Wakef., smut, Cameroon, Congo, Uganda (99); *S. vanderystii* (Henn.) Ling, smut, Congo (99)

***Hyparrhenia dissoluta* (Steud.) C. E. Hubbard**

Balansia sclerotica (Pat.) Höhnelt, false smut, Malawi (99, 219); *Cerebella andropogonis* Ces., false smut, Tanzania (72); *Cochliobolus cymbopogonis* Hall & Sivan., leaf spot, Nigeria (99); *Didymosphaeria minutella* Penz. & Sacc., leaf blight, Zambia (99); *Fusarium heterosporum* Fr., pink ear, Tanzania (72); *Leptosphaeria hyparrheniae* Hansf., leaf spot, Zambia (99); *Phakopsora incompleta* (H. Sydow & Sydow) Cummins, rust, Tanzania (99); *Puccinia andropogonicola* Har. & Pat., rust, Uganda, Zambia (99); *P. eritraeensis* Paszchke, rust, Kenya (197), Malawi (99, 219), Tanzania (72, 99), Zimbabwe (99); *Sorosporium tembuti* Pole Evans & Henn., smut, Tanzania (72, 99); *S. ischaemoides* (Henn.) Zundel, smut, Malawi (219), Guinea (99); *Sphacelotheca barcinonensis* Riofrio, smut, Malawi (219); *S. evansii* Zundel, smut, Zambia (99); *S. nyassae* (H. Sydow & Sydow) Zundel, smut, Malawi (99); *S. vanderystii* (Henn.) Ling, rust, Malawi (219), Tanzania, Zimbabwe (99)

***Hyparrhenia filipendula* (Hochst.) Stapf (tambookie grass)**

Cerebella andropogonis Ces., false smut, Zambia (99); *Claviceps inconspicua* Langdon, ergot, Australia (257); *Didymosphaeria minutella* Penz. & Sacc., leaf blight, Zambia (99); *Leptosphaeria hyparrheniae* Hansf., leaf spot, Zambia (99); *Monochaetiella hyparrheniae* Castell., leaf spot, Zambia (99); *Nigrospora sphaerica* (Sacc.) Mason, leaf spot, Zambia (99); *Pirostoma* sp., black leaf spot, Australia (299); *Puccinia eritaensis* Paszchke, rust, Australia (99, 257), Kenya (197); *Sorosporium tembuti* Pole Evans & Henn., smut, Uganda (99); *S. dembianense* Baccar., smut, Zimbabwe (99); *Sphacelotheca barcinonensis* Riofrio, smut, Zambia (99); *S. nyassae* (H. Sydow & Sydow) Zundel, smut, Zambia (99); *S. vanderystii* (Henn.) Ling, smut, Australia (99, 140, 299), Malawi, Uganda (99), Zambia (99, 238); *Sphacelotheca* sp., smut, Zambia (99)

***Hyparrhenia gazensis* (Rendle) Stapf**

Sorosporium tembuti Pole Evans & Henn., rust, Malawi (55, 99, 219)

***Hyparrhenia glabriuscula* (A. Rich.) Anderss. & Stapf**

Cochliobolus cymbopogonis Hall & Sivan., leaf spot, Sierra Leone (99)

***Hyparrhenia hirta* (L.) Stapf**

Cerebella andropogonis Ces., false smut, South Africa, Uganda (99); *Cintractia columellifera* (Tul.) McAlp., smut, Australia, Mauritius (280); *Claviceps pusilla* Ces., ergot, Australia (299); *Colletotrichum graminicola* (Ces.) Wilson, leaf spot, Guinea (99); *Dimeriella* sp., black mildew, Guinea (99); *Phyllachora fallax* Sacc., tar spot, Greece (211); *P. ischaemi* H. Sydow & Sydow, tar spot, Cyprus (99), South Africa (211); *Pirostoma* sp., black leaf spot, Australia (299); *Puccinia andropogonis-hirti* Beltrun, rust, Cyprus (99), USA (75); *P. cesatii* Schröter, rust, Bulgaria, Romania (280); *P. eritraeensis* Paszchke, rust, Australia, Ethiopia (99), Kenya (99, 197);

Sorosporium icosiense Maire, smut, North Africa (280); *Sphacelotheca vanderystii* (Henn.) Ling, smut, Australia (299); *Sporisorium transfissum* (L. & C. Tulasne) G. Deml., smut, France, Portugal, Spain (99); *Uredo andropogonis-hirti* Maire, rust, Spain (280); *Uredo* sp., rust, Australia (257)

***Hyparrhenia lintonii* Stapf**

Claviceps sp., ergot, Kenya (197); *Puccinia eritreaensis* Pазschke, rust, Ethiopia (99), Kenya (197)

***Hyparrhenia madaropoda* W. D. Clayton**

Puccinia eritreaensis Pазschke, rust, Tanzania (72, 99)

***Hyparrhenia newtonii* (Hackel) Stapf**

Sphacelotheca barcinonensis Riofrio, smut, Zambia (99)

***Hyparrhenia nyassae* (Rendle) Stapf**

Phyllachora ischaemi H. Sydow & Sydow, tar spot, Ethiopia (99); *Rosellinia formosa* var. *flavozonata* Penz. & Sacc., root rot, Malawi (99)

***Hyparrhenia pilgeriana* C. E. Hubbard**

Puccinia eritreaensis Pазschke, rust, Tanzania (72), Uganda (99); *P. versicolor* Dietel & Holway, rust, Tanzania (72); *Sorosporium ischaemoides* (Henn.) Zundel, smut, Uganda (99)

***Hyparrhenia pseudocymbaria* (Steud.) Stapf**

Colletotrichum graminicola (Ces.) Wilson, anthracnose, Sudan (99); *Phyllosticta* sp., leaf spot, Sudan (99); *Puccinia andropogonicola* Har. & Pat., rust, Sudan (99)

***Hyparrhenia rufa* (Nees) Stapf (jaragua grass, thatching grass)**

Cercospora sorghi Ell. & Everh., foliar blight, Sudan (99); *Cerebella andropogonis* Ces., false smut, Peru (147), Sierra Leone, Sudan (99, 283); *Cintractia* sp., smut, Mauritius (207); *Claviceps purpurea* (Fr.) Tul., ergot, Ethiopia (99); *Claviceps* sp., ergot, Mauritius (207); *Cochliobolus cymbopogonis* Hall & Sivan., leaf spot, Colombia (147), Cuba, Jamaica, Venezuela (99); *Colletotrichum graminicola* (Ces.) Wilson, anthracnose, Guinea (99); *Coniothyrium* sp., root rot, Guinea, Sierra Leone, Venezuela (99); *Curvularia andropogonis* (Zimmerm.) Boedijn, leaf spot, Malaysia (99); *C. camoriensis* Bouriquet & Jauffret, foliar blight, Jamaica (146); *Helminthosporium* sp., foliar blight, Nicaragua (169), Venezuela (278); *Monochaetiella hyparrheniae* Castell., leaf spot, Malawi (99), Peru (147), Zambia (99); *Phyllachora fallax* Sacc., tar spot, Malawi (99, 211); *Phyllachora* sp., tar spot, Peru (147); *Phyllosticta* sp., leaf spot, Venezuela (99); *Puccinia andropogonicola* Har. & Pat., rust, Cuba, Guinea (99), Mauritius (59, 99, 207, 306); *P. eritreaensis* Pазschke, rust, Kenya (197), Malawi (26, 99); *P. eucomis* Doidge, rust, Malawi (26, 219); *P. hyparrheniae* Cummins, rust, Malawi (55, 99); *P. versicolor* Dietel & Holway, rust, Malawi (99, 219); *Sorosporium dembianense* Baccar., smut, Malawi (55, 99); *S. maranguense* Henn., smut, Sudan (99); *S. zundelianum* Cif., smut, Tanzania (239, 301); *Sphacelotheca barcinonensis* Riofrio, smut, Guinea (99); *Sporisorium vanderystii* (Henn.) Langdon & Fullert., smut, Australia (143), Malawi, Sudan, Zambia, Zimbabwe (99); *Uredo* sp., rust, Nigeria (99); *Ustilago occulta* Henn., smut, Brazil (256)

***Hyparrhenia scabrimarginata* (De Wild.) A. Robyns**

Sorosporium sp., smut, Zambia (99)

***Hyparrhenia schimperi* (A. Rich.) Stapf**

Puccinia eritreaensis Pазschke, rust, Kenya (99, 197)

***Hyparrhenia subplumosa* Stapf**

Cerebella andropogonis Ces., false smut, Sierra Leone (99); *Sorosporium ischaemoides* (Henn.) Zundel, smut, Sierra Leone (99); *Tilletia ayresii* Berk., smut, Sierra Leone (99)

***Hyparrhenia tamba* (Steud.) Stapf**

Sorosporium maranquense Henn., smut, Tanzania (239)

***Hyparrhenia variabilis* Stapf**

Cerebella andropogonis Ces., false smut, Malawi (219); *Monochaetiella hyparrheniae* Castell., leaf spot, Sudan (99); *Puccinia andropogonicola* Har. & Pat., rust, Zambia (99); *P. eritraensis* Pazschke, rust, Kenya (99), Malawi (26, 99), Zambia, Zimbabwe (99); *P. eucomis* Doidge, rust, Malawi (26, 219); *P. hyparrheniae* Cummins, rust, Malawi (55, 99); *P. versicolor* Dietel & Holway, rust, Malawi (219); *Sorosporium dembianense* Baccar., rust, Malawi (219); *Sorosporium tembuti* Pole Evans & Henn., smut, Malawi (55, 99); *Sphacelotheca vanderystii* (Henn.) Ling, smut, Malawi (99, 219)

***Hyparrhenia vulpina* Stapf**

Cerebella andropogonis Ces., false smut, Malawi (219); *Puccinia eritraensis* Pazschke, smut, Malawi (26, 99)

***Hyparrhenia welwitschii* (Rendle) Stapf**

Cerebella andropogonis Ces., false smut, Sierra Leone (99); *Puccinia eritraensis* Pazschke, rust, Malawi (26, 99); *P. versicolor* Dietel & Holway, rust, Malawi (26, 99); *Sorosporium ischaemoides* (Henn.) Zundel, smut, Malawi (99, 219)

***Hyparrhenia* sp.**

Balansia sclerotica (Pat.) Höhnelt, false smut, Malawi (99, 307), Tanzania (72); *Cerebella andropogonis* Ces., false smut, Malawi (99, 307), Zimbabwe (95, 240); *Claviceps pusilla* Ces., ergot, Ethiopia (99), Zimbabwe (240); *Cochliobolus cymbopogonis* Hall & Sivan., leaf spot, Ghana, Malaysia, Nigeria (99); *Colletotrichum graminicola* (Ces.) Wilson, anthracnose, Zambia (99); *Coniothyrium* sp., leaf spot, Zambia (99); *Didymosphaeria panici* Hansf., leaf blight, Uganda (99); *Fusarium heterosporum* Fr., pink ear, Malawi (99); *Leptosphaeria hyparrheniae* Hansf., leaf spot, Uganda (99); *Monochaetiella hyparrheniae* Castell., foliar blight, Malawi (307); *Mycosphaerella spilota* H. Sydow, leaf spot, Ethiopia (99); *Periconia* sp., leaf spot, Zambia (99); *Phyllachora luteomaculata* (Schwein.) C. R. Ort., tar spot, Sierra Leone (99); *Puccinia andropogonicola* Har. & Pat., rust, Mauritius (59), Zambia (99); *P. eritraensis* Pazschke, rust, Ethiopia, Kenya (99), Malawi (99, 307), Sierra Leone, Sudan (99), Zimbabwe (95, 240); *P. eucomis* Doidge, rust, Malawi (307); *P. versicolor* Dietel & Holway, rust, Malawi (99, 219, 307), Reunion Island (85); *Sorosporium dembianense* Baccar., smut, Malawi (307), Zimbabwe (240); *S. ischaemoides* (Henn.) Zundel, smut, Malawi (307); *S. maranguense* Henn., rust, Malawi (99, 307); *S. tembuti* Pole Evans & Henn., smut, Malawi (99, 219, 307); *Sphacelia* sp., ergot, Malawi (99); *Sphacelotheca barcinonensis* Riofrio, smut, Sierra Leone (99); *S. congensis* (H. Sydow & Sydow) Wakef., smut, Malawi (99, 307); *S. cruenta* (Kühn) Potter, smut, Tanzania (239); *S. kenya*e Zundel, smut, Kenya (319); *S. nyassae* (H. Sydow & Sydow) Zundel., smut, Malawi (307); *S. vanderystii* (Henn.) Ling, smut, Malawi (99, 307), Zimbabwe (240); *Ustilago hyparrheniae* Hopkins, smut, Zimbabwe (95); *Ustilago tumefaciens* Henn., smut, Africa (99)

INDIGOFERA***Indigofera arrecta*** A. Rich.

Parodiella hedysari (Schwein.) S. Hughes, leaf mould, Uganda (99); *Ravenelia maranguensis* Cummins, rust, Tanzania (72), Uganda (59, 99)

Indigofera astragalina DC.

Cercospora canescens Ell. & Mart., leaf spot, India (99); *Cercosporidium pulchellum* (T. S. Ramakr.) Deighton, leaf spot, India (99), Tanzania (72, 99); *Oidium* sp., powdery mildew, Kenya (99), Tanzania (72)

Indigofera baumiana Harms

Uromyces orientalis H. Sydow & Sydow, rust, Zambia (99)

Indigofera konzattii Rose

Ravenelia indigoferae Dietel, rust, Brazil (256)

Indigofera cuernavacana Rose

Ravenelia indigoferae Dietel, rust, Brazil (256)

Indigofera daleoides Harvey

Parodiella hedysari (Schwein.) S. Hughes, leaf mould, Southwest Africa (99)

Indigofera densiflora Martens & Galeotti

Ravenelia laevis Dietel & Holway, rust, Mexico, USA (99)

Indigofera dosua Raym.-Hamet

Cercosporidium pulchellum (T. S. Ramakr.) Deighton, leaf spot, India (99); *Diplodia indigoferae* Dietel, rust, Germany (99)

Indigofera elliotii (Baker f.) Gillett

Meliola bicornis Winter, sooty mould, Guinea, Sierra Leone (99)

Indigofera emarginella A. Rich.

Ravenelia indigoferae Dietel, rust, Malawi (99), Tanzania (72, 99), Uganda (99); *R. laevoides* Arthur & Cummins, rust, Uganda (99)

Indigofera garkeana Vatke

Cercoseptoria sp., leaf spot, Tanzania (99)

Indigofera gerrardiana Harvey

Diplodia indigoferae P. Brun., canker, Pakistan (99); *Diplodina* sp., twig blight, Pakistan (99); *Phyllactinia corylea* (Pers.) Karst., leaf spot, India (99); *Pleospora straminis* Sacc. & Speg., leaf spot, Pakistan (99)

Indigofera glandulosa Willd.

Uromyces orientalis H. Sydow & Sydow, rust, Tanzania (99)

Indigofera heterantha Wallr.

Ravenelia laevis Dietel & Holway, rust, India (99)

Indigofera hirsuta L. (hairy indigo, añil velludo, indigo peludo)

Cercosporidium pulchellum (T. S. Ramakr.) Deighton, leaf spot, India, Philippines (99); *Colletotrichum gloeosporioides* (Penz.) Penz. & Sacc., leaf spot, Australia (298), USA (159); *C. truncatum* (Schwein.) Andrus & Moore, leaf spot, USA (159); *Diplodia* sp., stem blight, Malaysia (99, 261); *Oidium* sp., powdery mildew, Australia (257), Ghana, Nigeria, Sierra Leone (99); *Rhizoctonia solani* Kühn, root and stem rot, USA (75)

Indigofera linifolia (L. f.) Retz.

Synchytrium crustatum Lingappa, false rust/wart, India (99); *Uredo indigoferae* Doidge, rust, India (99); *Uromyces indigoferae* Dietel & Holway, rust, India (99); *U. orientalis* H. Sydow & Sydow, rust, Australia, India (99, 257)

Indigofera mucronata DC. (anillo, mozotillo)

Ravenelia indigoferae Dietel, rust, Brazil (256), Dominican Republic (99); *Uromyces indigoferae* Dietel & Holway, rust, Central & South America, Mexico, USA (60), Venezuela (278)

Indigofera natalensis Bolus

Meliola bicornis Winter, sooty mould, South Africa (99)

Indigofera nummulariifolia (L.) Alston

Colletotrichum capsici (H. Sydow) E. Butler & Bisby, anthracnose, Zambia (99)

Indigofera oblongifolia Forsskal

Botryodiplodia sp., root rot, Pakistan (99); *Uredo indigoferae* Doidge, rust, Pakistan (99); *Mycosphaerella* sp., leaf spot, Pakistan (99)

Indigofera palmeri S. Wats.

Ravenelia indigoferae Dietel, rust, Brazil (256)

Indigofera pulchella Roxb.

Cercosporidium pulchellum (T. S. Ramakr.) Deighton, leaf spot, India (53, 99); *Septoria indigoferae-pulchellae* Patel, Sukap. & Thirum., leaf spot, India (99)

Indigofera spicata Forssk. (wild indigo)

Corticium rolfsii Curzi, collar rot, Malaysia (99); *Corticium* sp., collar rot, Malaysia (99); *Oidium* sp., powdery mildew, Mauritius (207); *Parodiella hedysari* (Schwein.) S. Hughes, leaf mould, Tanzania (72, 99), Zimbabwe (240); *Pestalotiopsis* sp., foliar blight, Malaysia (99, 261); *Ravenelia laevis* Dietel & Holway, rust, Zimbabwe (240); *Rhizoctonia solani* Kühn, root rot., Malaysia (99, 261); *Rhizoctonia* sp., root rot, El Salvador (57); *Sclerotium* sp., root rot., Trinidad & Tobago (22); *Synchytrium crustatum* Lingappa, false rust/wart, India (99); *Uredo indigoferae* Doidge, rust, Mauritius (99, 207), Zimbabwe (95, 99, 240); *Uromyces orientalis* H. Sydow & Sydow, rust, Ghana, Kenya, Uganda, Zambia (99)

Indigofera stachyodes Lindl.

Thyronectria pseudotrichia (Schwein.) Seeler, dieback, India (99)

Indigofera suffruticosa Miller

Alternaria tenuissima (Pers.) Keissler, leaf spot, Sudan (99); *Colletotrichum gloeosporioides* (Penz.)

Penz. & Sacc., leaf spot, USA (159); *C. truncatum* (Schwein.) Andrus & Moore, leaf and stem spot, USA (159); *Parodiella hedysari* (Schwein.) Hughes, leaf mould, Colombia (49), Venezuela (278), Trinidad & Tobago (22, 99); *Ravenelia indigoferae* Tranzschel, rust, Barbados (21, 99, 200), Brazil (256), Colombia (49, 125), Cuba, Dominican Republic (99), Jamaica (62, 146), Puerto Rico (281), Trinidad & Tobago (22, 99), Venezuela (278), Virgin Islands (281); *R. laevis* Dietel & Holway, rust, Uruguay (99); *Uromyces indigoferae* Doidge, rust, USA (75)

***Indigofera sutherlandioides* Baker**

Uromyces orientalis H. Sydow & Sydow, rust, Zambia (99)

***Indigofera swaziensis* Bolus**

Parodiella hedysari (Schwein.) S. Hughes, leaf mould, Kenya (99, 206)

***Indigofera tanganyikensis* Baker f.**

Parodiella hedysari (Schwein.) S. Hughes, leaf mould, Tanzania (72)

***Indigofera teysmannii* Miq.**

Botryodiplodia theobromae Pat., stem rot, Malaysia (110, 261); *Corticium* sp., collar rot, Jamaica (99); *Fusarium solani* (Mart.) Sacc., wilt, India (99); *Ganoderma philippii* (Bresad. & Sacc.) Bresad., root rot, Malaysia (261); *Gibberella* sp., wilt, Malaysia (261); *Glomerella cingulata* (Stonem.) Spauld. & Schrenk, anthracnose, Malaysia (99, 261); *Microdochium dimerum* (Penz.) v. Arx, root rot, Jamaica (99, 146); *Nectria haematococca* Berk. & Broome, dieback, Malaysia (99); *N. rigidiuscula* (Berk. & Broome) Sacc., dieback, Malaysia (99); *Nectria* sp., dieback, Malaysia (261); *Phaeoisariopsis teysmannii* (G. C. S. & K. C. Barua) Deighton, angular leaf spot, India (99); *Rhizoctonia solani* Kühn, foliar blight, Jamaica (99, 146)

***Indigofera trifoliata* L.**

Parodiella hedysari (Schwein.) S. Hughes, leaf mould, India (231); *Uredo indigoferae* Doidge, rust, Papua New Guinea (99, 250)

***Indigofera volkensis* Taubert**

Uredo indigoferae Doidge, rust, Tanzania (72, 99)

***Indigofera* sp.**

Cercospora sp., leaf spot, India (99); *Cercospora indigoferae* Hansf., leaf spot, Uganda (99); *Cercosporidium pulchellum* (T. S. Ramakr.) Deighton, leaf spot, India (99); *Cladosporium* sp., green mould, Guinea (99); *Colletotrichum capsici* (H. Sydow) E. Butler & Bisby, anthracnose, Zambia (99); *C. gloeosporioides* (Penz.) Penz. & Sacc., anthracnose, stem canker, leaf spot, USA (12); *C. truncatum* (Schwein.) Andrus & Moore, anthracnose, Colombia (147), USA (12); *Colletotrichum* sp., anthracnose, USA (159); *Dendryphiella vinosa* (Berk. & M. A. Curtis) Reisinger, leaf spot, Zambia (99); *Didymosphaeria oblitescens* (Berk. & Broome) Fuckel, shoot blight, Pakistan (99); *Diplodia natalensis* Pole Evans, dieback, USA (12); *Diplodina* sp., twig blight, Pakistan (99); *Meliola bicornis* Winter var. *tephrosiae* Beeli, sooty mould, Congo (99); *M. nyanzae* Hansf., sooty mould, Uganda (99); *Nectria* sp., basal rot, USA (12); *Oidium* sp., powdery mildew, Zambia (99); *Parodiella grammodes* Kunze, leaf mould, USA (12); *P. hedysari* (Schwein.) S. Hughes, leaf mould, India (99), Kenya (197), Malawi (307), Tanzania, Zimbabwe (99); *Periconia byssoides* Pers., leaf spot, Zambia (99); *Phyllosticta* sp., leaf spot, China (99); *Pleospora herbarum* (Fr.) Ces. & de Not., leaf spot, Pakistan (99); *Ravenelia indigoferae* Dietel, rust, Malawi, (99), Puerto Rico (281), USA (12), Virgin Islands (281); *R. laevoides* Arthur & Cummins, rust, Uganda (59, 99); *R. laevis* Dietel & Holway, rust, Mexico (99), Zimbabwe (95); *R. maranguensis* Cummins,

rust, Malawi (99, 307), Uganda (59, 99); *Rhizoctonia solani* Kühn, root and stem rot, USA (12); *Uromyces indigoferae* Dietel & Holway, rust, USA (12); *Uredo indigoferae* Doidge, rust, Uganda (99); *Uromyces orientalis* H. Sydow & Sydow, rust, India (99), Kenya (99, 197), Malawi (26, 99); *Verticillium* sp., wilt, USA (99)

LABLAB

Lablab purpureus (L.) Sweet (syn. *Dolichos lablab* L., *Lablab niger* Med., *Lablab vulgaris* Savi) (lablab, Egyptian kidney bean, bonavist bean, hyacinth bean)

Alternaria alternata (Fr.) Keissler, foliar blight, Sudan (283); *A. tenuissima* (Pers.) Wiltsh., leaf spot and pod rot, Hong Kong, India, Kenya, Sudan (99); *Ascochyta dolichi* Gonz. Frag., leaf spot, Kenya, Malaysia (99), Papua New Guinea (99, 250), Zambia (99); *A. phaseolorum* Sacc., zonate leaf spot, Australia (4), Ethiopia (99), Papua New Guinea (118), Tanzania (99, 239), Uganda (99), Zimbabwe (240); *Botryodiplodia theobromae* Pat., root rot, India (99); *Botryosphaeria ribis* Grossenb. & Dugg., dieback, seed associate, Mauritius (99); *Capnodium* sp., sooty mould, Kenya (177); *Cercospora apii* Fresen., leaf spot, Papua New Guinea (118); *C. canescens* Ell. & Mart., leaf spot, Australia (299), Bangladesh (99), Barbados (21, 99, 200), Burma (99), Cambodia (167), Cuba, Egypt, Hong Kong (99), India (99, 231), Jamaica (146), Kenya (177), Malaysia (99), Malawi (99, 307), Nicaragua (99), Pakistan (99, 127, 261), Papua New Guinea (99, 250), Philippines, Puerto Rico (281), Sierra Leone (99), Sudan (34, 99), Thailand (47, 53, 99, 227), Trinidad (22, 99), USA (75), Virgin Islands (281), Zambia (99), Zimbabwe (99, 240); *C. columnaris* Ell. & Mart., foliar blight, Kenya (177); *C. dolichi* Ell. & Mart., foliar blight, Bengal (3), Burma (232), China, India, Philippines, Taiwan (167), Trinidad & Tobago (22); *Cercospora* sp., leaf spot, Australia (257), Nigeria, Pakistan, Sudan (99); *Choanephora cucurbitarum* (Berk. & Rav.) Thaxter, blossom blight, tip wilt, Pakistan (99), Papua New Guinea (99, 250); *Cladosporium herbarum* (Pers.) Gray, grey-green mould, Kenya (177), Sudan (99); *C. oxysporum* Berk. & M. A. Curtis, green mould, Nigeria (99); *C. tenuissima* Cooke, green mould, India (99); *Cladosporium* sp., green mould, India (99), Kenya (177); *Cochliobolus bicolor* Paul & Parbery, associated with leaf spot, Tanzania (72); *C. intermedium* Nelson, leaf spot, Sudan (99); *C. lunatus* Nelson & Haasis, leaf spot, India, Sudan (99); *C. spicifera* Nelson, leaf spot, Sudan (99); *C. verruculosus* (Tsuda & Ueyama) Sivan., leaf spot, India (107); *Colletotrichum capsici* (H. Sydow) E. Butler & Bisby, anthracnose, Hong Kong, India (99); *C. lindemuthianum* (Sacc. & Magnus) Briosi & Cavara, anthracnose, Burma (99, 232), Trinidad (99); *C. truncatum* (Schwein.) Andrus & Moore, anthracnose, India (99); *Corticium rolfsii* Curzi, collar rot, Australia (257, 299), Papua New Guinea (250), USA (75); *Corynespora* sp., leaf blight, India (243); *Dendryphiella infuscans* (Thüm.) M. B. Ellis, leaf spot, India (99); *Diaporthe phaseolorum* (Cooke & Ell.) Sacc., shoot dieback, India, Mauritius (99); *Elsinoe dolichi* Jenkins, Bitanc. & Cheo, scab, Kenya (99, 197), Malawi (99), Philippines (280), Zambia (99), Zimbabwe (99, 240); *E. fawcettii* Bitanc. & Jenkins, scab, China (52); *Elsinoe* sp., canker, Indonesia (108); *Erysiphe polygoni* DC., powdery mildew, Venezuela (278); *Fusarium graminearum* Schwabe, seed associate, Mauritius (99); *F. oxysporum* Schlecht., crown rot, Australia (299), India (99); *Fusarium* sp., pod rot, India (99); *Glomerella cingulata* (Stonem.) Spauld. & Schrenk, anthracnose, Nigeria (99); *Leptosphaerulina trifolii* (Rostrup) Petrak, leaf spot, Australia (299); *Leveillula taurica* (Lév.) Arnaud, powdery mildew, India, Kenya (99), Nicaragua (169); *L. taurica* var. *macrospora* Uppal, Kamat & Patel, powdery mildew, India (99); *Macrophomina phaseolina* (Tassi) Goid., wilt, Australia, Egypt, India (99), Kenya (177), Malaysia, Pakistan (99), Sudan (34, 99); *Mycosphaerella cruenta* Latham, leaf spot, Pakistan (99, 202); *Mycosphaerella* sp., leaf spot, Burma (99), Papua New Guinea (99, 250); *Myrothecium roridum* Fr., leaf spot, Ghana (99), India (194), Malaysia,

Sierra Leone (99); *Myrothecium* sp., leaf spot, Bangladesh (99); *Nematospora coryli* Peglion, yeast spot, Tanzania (99, 239); *Neocosmospora vasinfecta* E. F. Sm., wilt and stem rot, India (99), USA (75); *Oidium* sp., powdery mildew, India (99); *Parodiella hedysari* (Schwein.) S. Hughes, leaf mould, USA (75); *Periconia byssoides* Pers., leaf spot, Nigeria (99); *Pestalotiopsis palmarum* (Cooke) Steyaert, leaf spot, India (99); *Phaeoisariopsis griseola* (Sacc.) Ferraris, angular leaf spot, Japan (99); *Phakopsora pachyrhizi* H. Sydow & Sydow, rust, Australia (120), Barbados (99, 200), Brazil (67), Puerto Rico (281, 294, 295), West Indies (281); *Phakopsora vignae* (Bresad.) Arthur, rust, Venezuela (278), Barbados (21); *Phoma exigua* Desm. var. *exigua*, leaf spot, Ethiopia, India (99); *P.sorghina* (Sacc.) Boerema, Dorenb. & van Kest., leaf spot, Mauritius (99); *Phoma* sp., leaf spot, India (99); *Phyllachora dolichogena* (Berk. & Broome) Sacc., tar spot, India (99, 231); *Phyllosticta dolichi* P. Brun., leaf spot, Nigeria (99); *Phyllosticta* sp., leaf spot, Kenya (99, 177), Papua New Guinea (250), Sudan (99); *Puccinia* sp., foliar blight, Venezuela (278); *Pyrenochaeta dolichi* Mohanty, leaf spot, Ghana, Uganda (99); *Pythium aphanidermatum* (Edson) Fitzp., collar rot and wilt, India (99); *P. butleri* Subram., wilt, Australia (99); *P. middletonii* Sparrow, collar rot and wilt, India (99); *Rhizoctonia solani* Kühn, foliar blight, El Salvador (57), Malaysia (261), Papua New Guinea (250), Tanzania (239), USA (75); *Rhizoctonia* sp., crown rot, Australia (257, 299); *Sclerotinia sclerotiorum* (Lib.) de Bary, stem and branch rot, Australia (299); *Septoria dolichi* Berk. & M. A. Curtis, leaf spot, India (231); *S. lablabina* Sacc., foliar blight, Burma, India (99), Kenya (99, 197), Philippines (99), Tanzania (72); *Septoria* sp., leaf spot, Malawi (307); *Setosphaeria rostrata* Leonard, foliar blight, Malaysia (99); *Uredo* sp., rust, Malaysia (99); *Uromyces appendiculatus* (Pers.) Unger, rust, Burma (232), Jamaica (62, 99, 146), Australia (99, 257, 299), Dominican Republic, Ghana, Hong Kong (99), Peru (83), Tanzania (99, 239)

LEUCAENA

Leucaena collinsii Britton & Rose

Camptomeris leucaenae (F. L. Stev. & Dalbey) H. Sydow, leaf spot, Brazil, Colombia (147, 151, 190); *Fusarium* sp., pod and seed rot, Colombia (147, 190)

Leucaena diversifolia (Schlecht.) Benth.

Camptomeris leucaenae (F. L. Stev. & Dalbey) H. Sydow, leaf spot, Brazil, Colombia (147, 190); *Fusarium* sp., pod and seed rot, Colombia (147, 190); *Ravenelia leucaenae* Long, rust, Mexico (280)

Leucaena esculenta (Mociño & Sessé) Benth.

Camptomeris leucaenae (F. L. Stev. & Dalbey) H. Sydow, leaf spot, Colombia (151); *Ravenelia leucaenae* Long, rust, Mexico (280)

Leucaena lanceolata S. Wats.

Cercospora sp., leaf spot, India (99); *Ravenelia hermosa* Cummins, rust, Mexico (60); *R. verrucosa* Cooke & Ell., rust, Mexico (60)

Leucaena leucocephala (Lam.) de Wit (leucaena, cow tamarind, acacia forrajera, acacia bella rosa) (syn. *L. glauca* L.)

Acremonium charticola (Lindau) W. Gams, stem rot, Philippines (99); *Alternaria alternata* (Fr.) Keissler, leaf spot, India (99); *Armillaria mellea* (Fr.) Kummer, stem rot, Papua New Guinea (250); *Botryodiplodia theobromae* Pat., seed associate, Philippines (229); *Botryosphaeria ribis* Grossenb. & Dugg., stem canker, USA (75); *Calonectria rigidiuscula* Berk. & Broome, blight canker, Taiwan

(44, 46); *Camptomeris leucaenae* (F. L. Stev. & Dalbey) H. Sydow, leaf spot, Belize (151), Brazil (147), Colombia (150, 151, 153, 190), Costa Rica (147), Dominican Republic (99, 281), Ecuador (147), India (99), Jamaica (99, 146, 281), Mexico (151), Philippines (147), Puerto Rico (281), Taiwan (96), Venezuela (99, 281); *Cercospora canescens* Ell. & Mart., leaf spot, India (99); *Cercospora* sp., leaf spot, Costa Rica (220), India (99); *Cladosporium cladosporioides* (Fresen.) de Vries, seed associate, Australia (315); *C. subtile* Rabenh., pod rot, India (99); *Cladosporium* sp., green mould, seed associate, Cuba (99), India (223), Papua New Guinea (99); *Colletotrichum capsici* (H. Sydow) E. Butler & Bisby, anthracnose, India (99); *C. crassipes* (Speg.) v. Arx, anthracnose, India (99); *C. gloeosporioides* (Penz.) Penz. & Sacc., leaf spot, Bolivia, Brazil, Colombia, Costa Rica, Ecuador (147), India (99), Mauritius (173), Peru (147), Taiwan (96), Venezuela (147); *Cochliobolus lunatus* Nelson & Haasis, leaf spot, seed associate, India (99, 223); *Corticium rolfsii* Curzi, collar rot and wilt, Colombia (149), India (255); *Curvularia clavata* B. L. Jain, leaf spot, India (99); *Cylindrocarpum victoriae* Wollenw., stem rot, Papua New Guinea (250); *Diaporthe* sp., on limbs, USA (75); *Didymosphaeria* sp., shoot blight, India (99); *Fusarium acuminatum* Ell. & Everh., associated with gummosis, India (99); *F. chlamydosporum* Wollenw. & Reink., associated with gummosis, Kenya (99); *F. equiseti* (Corda) Sacc., not stated, India (99); *F. graminearum* Schwabe, associated with gummosis, India (99); *F. moniliforme* Sheldon, seed associate, India (223), Philippines (229); *F. oxysporum* Schlecht., damping-off and seed associate, India (223), Malaysia, Sri Lanka (99), Taiwan (96); *F. pallidoroseum* (Cooke) Sacc., associated with gummosis, India (99), Philippines (229); *F. solani* (Mart.) Sacc., wilt and collar rot, seed associate, India (99, 223), Mauritius (99), Philippines (229); *Fusarium* sp., pod and seed rot, Brazil, Colombia (190), Costa Rica (220); *Ganoderma applanatum* (Pers.) Pat., stump rot, Papua New Guinea (250); *G. lucidum* (Fr.) Karsten, root and collar rot, India (215); *G. tornatum* (Pers.) Bresad., stump rot, Papua New Guinea (250); *Gibberella cyanogena* (Desm.) Sacc., stem rot, New Caledonia (99); *Helminthosporium mauritanum* Cooke, leaf spot, Malaysia (99, 308); *Hydnum subrinosum* Berk. & Broome, stem canker, India (245); *Marasmius crinisequi* Kalchbr., blight, Malaysia (308); *Macrophoma phaseolina* (Tassi) Goid., wilt, India (99); *Nectria flavo-lanata* Berk. & Broome, dieback, Philippines (99); *N. haematococca* Berk. & Broome, dieback, Malaysia (99, 308); *N. jungneri* Henn., dieback, Papua New Guinea (99); *Oidium* sp., powdery mildew, Brasil, Colombia, Peru (147, 153), Solomon Islands (99); *Periconia byssoides* Pers., leaf spot, Papua New Guinea (99); *Phaeoisariopsis* sp., angular leaf spot, Bhutan, Papua New Guinea (99); *Phanerochaete salmonicolor* (Berk. & Broome) Jülich, pink disease, Papua New Guinea (250); *Phellinus noxius* (Corner) G. Cunn., root rot, Mariana Islands (93), Papua New Guinea (250); *Phoma* sp., leaf spot, Burma, India (99), Philippines (229); *Phomopsis* sp., twig dieback, Mauritius (99); *Pseudolagarobasidium leguminicola* Chang & Chen, root and stem rot, Taiwan (45); *Phytophthora drechleri* Tucker, stem canker and gummosis, Hawaii, Taiwan (147); *P. palmivora* (E. Butler) Butler, root rot, New Zealand (198), Solomon Islands (198), USA (75); *P. parasitica* Dastur, wilt, Mauritius (207, 306); *Pythium myriotylum* Drechsl., root rot and wilt, Australia, India (99); *Pythium* sp., damping-off, Taiwan (96); *Ravenelia expansa* Dietel & Holway, rust, Guatemala, USA (60); *R. hermosa* Cummins, rust, India (61); *Rhizoctonia solani* Kühn, damping-off and foliar blight, Costa Rica (220), Malaysia (293), Papua New Guinea (250), Taiwan (96); *Rosellinia arcuata* Petch, stump rot, Papua New Guinea (250); *Sphaeropsis* sp., canker, USA (75); *Thyronectria pseudotrichia* (Schwein.) Seeler, branch dieback, Ghana (190); *Uredo* sp., rust, Jamaica (99), Taiwan (96); *Verticillium* sp., seed associate, India (223)

***Leucaena macrocarpa* Rose**

Uredo mexicensis Cummins, rust, Mexico (60)

***Leucaena macrophylla* Benth.**

Camptomeris leucaenae (F. L. Stev. & Dalbey) H. Sydow, leaf spot, Colombia (151); *Cercospora*

sp., leaf spot, India (99); *Fusarium* sp., pod and seed rot, Colombia (190)

Leucaena palmeri Britton & Rose

Ravenelia hermosa Cummins, rust, Mexico (60)

Leucaena pulverulenta (Schlecht.) Benth.

Botryodiplodia theobromae Pat., root rot, India (231); *Camptomeris leucaenae* (F. L. Stev. & Dalbey) H. Sydow, leaf spot, Colombia (190); *Fusarium* sp., pod and seed rot, Brazil (147), Colombia (190); *Ganoderma tornatum* (Pers.) Bresad., root rot, USA (75); *Ravenelia leucaenae* Long, rust, USA (75)

Leucaena shannoni J. D. Smith

Alternaria alternata (Fr.) Keissler, leaf spot, India (99); *Camptomeris leucaenae* (F. L. Stev. & Dalbey) H. Sydow, leaf spot, Colombia (151); *Fusarium* sp., pod and seed rot, Colombia (190); *Ravenelia leucaenae* Long, rust, Honduras (99)

***Leucaena* sp.**

Alternaria alternata (Fr.) Keissler, leaf spot, India (99); *Ascochyta* sp., leaf spot, India (99); *Camptomeris leucaenae* (F. L. Stev. & Dalbey) H. Sydow, leaf spot, Colombia (151); *Colletotrichum capsici* (H. Sydow) E. Butler & Bisby, anthracnose, India (99); *Diaporthe eres* Nits., stem canker, Cuba (99); *Dicheirinia spinulosa* (Baxter) Hennen & Cummins, rust, Mexico (60); *Fusarium moniliforme* Sheldon var. *subglutinans* Wollenw. & Reink., root rot and wilt, Sri Lanka (99); *F. oxysporum* Schlecht., root rot, Sri Lanka (99); *Fusarium* sp., pod and seed rot, Brazil, Colombia (147, 190); *Nectria* sp., dieback, India (99); *Pythium myriotylum* Drechs., damping-off, Australia (99); *Ravenelia hermosa* Cummins, rust, USA (61); *R. leucaenae* Long, rust, USA, Mexico (60)

MACROPTILIUM

Macroptilium atropurpureum (DC.) Urb. (siratro)

Acremonium zonatum (Saw.) W. Gams, foliar blight, Papua New Guinea (99); *Ascochyta phaseolorum* Sacc., zonate leaf spot, Australia (4), Uganda (99); *Ascochyta* sp., leaf spot, Australia (257), Zimbabwe (240); *Cercospora canescens* Ell. & Mart., leaf spot, Australia, Barbados (160), Hong Kong, Uganda (99); *Cercospora* sp., leaf spot, Australia (257), Brasil, Colombia (147), USA (272); *Cladosporium cladosporioides* (Fresen.) de Vries, seed associate Australia (315); *C. sphaerospermum* Penz., green mould, Fiji (99); *Colletotrichum gloeosporioides* (Penz.) Penz. & Sacc., leaf, stem and pod spot, Australia, Brasil, Colombia (147, 160), Uganda (99), USA (75, 160); *C. lindemuthianum* (Sacc. & Magnus) Briosi & Cavara, anthracnose, Malaysia (99); *Coniothyrium fuckelii* Sacc., leaf spot, Malaysia (99); *Corticium rolfsii* Curzi, wilt, Colombia (149); *Diaporthe phaseolorum* (Cooke & Ell.) Sacc., seed associate and seedling pathogen, Australia (99, 315); *Fusarium equiseti* (Corda) Sacc., seed associate and seedling pathogen, Australia (315); *F. fusarioides* (Gonz. Frag. & Cif.) C. Booth, seed associate and seedling pathogen, Australia (315); *F. oxysporum* Schlecht., seed associate and seedling pathogen, Australia (315); *F. poae* (Peck) Wollenw., seed associate and seedling pathogen, Australia (315); *Fusarium* sp., collar rot and wilt, Colombia (147); *Leptosphaeria* sp., leaf spot, Malawi (99); *Nematospora coryli* Peglion, yeast spot, Uganda (99); *Oidium* sp., powdery mildew, Australia, Brazil, Colombia (160), USA (75, 160, 272); *Phaeoisariopsis griseola* (Sacc.) Ferraris, angular leaf spot and mottle, Brazil, Colombia, Costa Rica, Ecuador, Mexico, Panama, Peru, USA, Venezuela (147, 160); *Phaeoseptoria* sp., leaf spot,

Malawi (99); *Phakopsora pachyrhizi* H. Sydow & Sydow, rust, Australia (120); *Phoma sorghina* (Sacc.) Boerema, Dorenb. & van Kest., leaf spot, seed associate and seedling blight, Australia (158, 315); *Phoma* sp., foliar blight, Colombia (147); *Phyllosticta phaseolina* Sacc., leaf spot, Malawi, Zambia (99); *Pyrenochaeta* sp., purple stem canker, USA (160); *Rhizoctonia crocorum* (Pers.) DC., violet root rot, Australia (160); *R. solani* Kühn, foliar blight and stem canker, Australia (160, 257), Bolivia, Brasil, Colombia, Ecuador (147, 160), Hong Kong, India (99), Indonesia (160), Malaysia (99), Papua New Guinea (99, 250), Peru (147, 160), Solomon Islands, Sudan (99), Thailand (160, 209), USA (160, 272), Venezuela (147, 160), Zambia (99), Zimbabwe (240); *Stemphylium* sp., leaf spot, Colombia (147); *Synchytrium phaseoli* Westend., false rust, Brasil, Colombia, Ecuador, Mexico (147, 160); *Uromyces appendiculatus* (Pers.) Unger, rust, Australia, Brazil (160), Caribbean, Colombia, Costa Rica, Ecuador (160), Mexico (99, 160), Panama, Peru (160), USA (160, 272), Venezuela (160)

Macroptilium lathyroides (L.) Urb. (phasey bean, frijol de los arrozales)

Ascochyta phaseolorum Sacc., leaf spot, Australia (4), Papua New Guinea, Uganda (99), Zimbabwe (99, 240); *Cercospora canescens* Ell. & Mart., leaf spot, Brazil, Colombia (147), Cuba (99), Puerto Rico, Virgin Islands (281); *Colletotrichum gloeosporioides* (Penz.) Penz. & Sacc., leaf spot, USA (75, 159); *Diaporthe phaseolorum* (Cooke & Ell.) Sacc., seed associate and seedling pathogen, Cuba (99); *Erysiphe polygoni* DC., powdery mildew, Puerto Rico, Virgin Islands (281), USA (37); *Mycosphaerella cruenta* Latham, leaf spot, Cuba, Jamaica, Puerto Rico (99); *Mycosphaerella* sp., leaf spot, Malaysia (99); *Myrothecium roridum* Fr., leaf spot, Australia, Papua New Guinea (99); *Oidium* sp., powdery mildew, Australia (257), Zambia (99); *Periconia byssoides* Pers., leaf spot, Papua New Guinea (99); *Phaeoisariopsis* sp., angular leaf spot, Colombia (147); *Phakopsora pachyrhizi* H. Sydow & Sydow, rust, Australia (120), Brazil (67), Puerto Rico (295); *Phoma exigua* Desm. var. *exigua*, leaf spot, leaf spot, Ethiopia (99), Papua New Guinea (250); *P. sorghina* (Sacc.) Boerema, Dorenb. & van Kest., foliar blight, Australia (314); *Pseudocercospora nigricans* (Cooke) Deighton, leaf spot, Cuba (99); *Rhizoctonia solani* Kühn, foliar blight, Colombia (147), USA (75); *Uromyces appendiculatus* (Pers.) Unger, rust, Brazil, Costa Rica, Colombia, Peru (147), Puerto Rico (281), Venezuela (147), West Indies (281)

Macroptilium sp.

Corticium rolfsii Curzi, collar rot, Colombia (149); *Synchytrium phaseoli* Westend., false rust/wart, Colombia (147), Ecuador (99)

MACROTYLOMA

Macrotyloma axillare (E. Meyer) Verdc. (archer dolicos, archer axillaris) (syn. *Dolichos axillaris* E. Meyer)

Cladosporium cladosporioides (Fresen.) de Vries, seed associate Australia (315); *Diaporthe phaseolorum* (Cooke & Ell.) Sacc., seed associate, Australia (99, 315); *Fusarium equiseti* (Corda) Sacc., seed associate, Australia (315); *Fusarium* sp., seed associate, Australia (315); *Phakopsora pachyrhizi* H. Sydow & Sydow, rust, Australia (120)

Macrotyloma uniflorum (Lam.) Verdc. var. *uniflorum* (brown horse gram) (syn. *Dolichos biflorus* L.) *Alternaria tenuissima* (Pers.) Wiltsh., leaf spot, India (99); *Ascochyta phaseolorum* Sacc., zonate leaf spot, Australia (4); *Ascochyta* sp., leaf spot, Australia (257); *Botryodiplodia theobromae* Pat., stem and pod rot, seed associate, India (178); *Cercospora canescens* Ell. & Mart., leaf spot, India,

Nepal (99), Zimbabwe (95, 240); *C. dolichi* Ell. & Everh., leaf spot, India (231); *Cercospora* sp., leaf spot, Australia (257); *Cochliobolus lunatus* Nelson & Haasis, India (99); *Colletotrichum capsici* (H. Sydow) E. Butler & Bisby, anthracnose, India (99); *C. truncatum* (Schwein.) Andrus & Moore, anthracnose, India (25), USA (75); *Diaporthe phaseolorum* (Cooke & Ell.) Sacc., shoot dieback, India (99); *Erysiphe polygoni* DC., powdery mildew, Puerto Rico, Virgin Islands (281), Zimbabwe (99, 240); *Fusarium oxysporum* Schlecht., wilt, India (43); *Fusarium* sp., wilt, Zimbabwe (240); *Leptosphaerulina trifolii* (Rostrup) Petrak, leaf spot, India (99); *Myrothecium verrucaria* (Alb. & Schwein. : Fr.) Fr., leaf spot, Nepal (99); *Oidium* sp., powdery mildew, Australia (257), Ethiopia (99), India (246), Nepal (99), Zimbabwe (95, 240); *Phoma macrostoma* Mont., leaf spot, India (99); *Phoma* sp., leaf spot, India (99); *Phyllosticta* sp., leaf spot, Nepal (99); *Pyrenochaeta dolichi* Mohanty, leaf spot, India (99); *Rhizoctonia solani* Kühn, root and stem rot, foliar blight, USA (75)

Macrotyloma daltonii (Webb) Verdc.

Cercospora canescens Ell. & Mart., leaf spot, Zimbabwe (99, 240)

MELINIS

Melinis ambigua Hackel

Phyllachora sp., tar spot, Malawi (219)

Melinis effusa (Rendle) Stapf

Phyllachora setariicola Speg., tar spot, Angola (99)

Melinis longicauda (Mez) Stapf & C. E. Hubbard

Phyllachora setariicola Speg., tar spot, Malawi (99), Zambia (212); *Phyllachora* sp., tar spot, Malawi (219)

Melinis maitlandii Stapf & C. E. Hubbard

Uromyces setariae-italicae Yosh., rust, Uganda (99)

Melinis minutiflora Beauv. (molasses grass, capim-gordura, yaraguá)

Alternaria sp., foliar blight, India (99); *Bipolaris curvispora* (El Shafie) Sivan., leaf spot, Australia (299); *B. dactyloctenii* Alcorn, inflorescence blight, Australia (8, 99); *B. melinidis* Alcorn, leaf and inflorescence spot, Australia (8, 99); *B. urochloae* (Putterill) Shoem., leaf spot, USA (75); *Cerebella andropogonis* Ces., false smut, Puerto Rico, Virgin Islands (281); *Cladosporium* sp., inflorescence blight, Malaysia (99); *Claviceps rhynchelytri* Herd & Loveless, ergot, Australia (299); *Claviceps* sp., ergot, Puerto Rico (285); *Didymosphaeria* sp., leaf blight, Malaysia (99); *Fusarium sambucinum* Fuckel, wilt., Kenya (99, 197); *Guignardia* sp., leaf spot, Australia (299); *Helminthosporium* sp., foliar blight, Venezuela (278); *Leptosphaeria customa* (Fr.) Sacc., leaf spot, Venezuela (99); *Phoma sorghina* (Sacc.) Boerema, Dorenb. & van Kest., leaf spot, India (99); *Phyllachora setariicola* Speg., tar spot, Ghana, Malawi, Uganda (99), Zambia (99, 212); *Phyllachora* sp., tar spot, Malawi (219); *Pyricularia oryzae* Hashioka & Yokogi, zonate leaf spot, Brazil (222); *Tetraploa aristata* Berk. & Broome, leaf spot, Malaysia (99); *Thanatephorus cucumeris* (Frank) Donk, leaf blight and root rot, Malaysia (99, 261), Vanuatu (99); *Uromyces setariae-italicae* Yosh., rust, Costa Rica (99), Malawi (99, 219), Sierra Leone, Uganda, Venezuela (99)

Melinis tenuissima Stapf

Angiopsora hansfordii Cummins, rust, Uganda (59); *Phyllachora bonariensis* Speg., tar spot, South Africa (211); *Uromyces setariae-italicae* Yosh., rust, Uganda (99)

Melinis sp.

Phyllachora melinidicola H. Sydow, tar spot, Zimbabwe (95, 240); *Phyllachora* sp., tar spot, Malawi (307); *Uredo melinidis* Kern, rust, Malawi (307)

NEONOTONIA

Neonotonia wightii (Wight & Arn.) Lackey (*Glycine wightii* (Wight & Arn.) Verdc.) (perennial glycine, glycine perenne)

Aecidium glycines Henn., rust, Kenya (99, 147), Tanzania (72); *Ascochyta phaseolorum* Sacc., leaf spot, Malawi (99); *Cercospora canescens* Ell. & Mart., leaf spot, Australia (5, 299), Malawi (99), Zimbabwe (240); *Fusarium equiseti* (Corda) Sacc., seed associate and seedling pathogen, Australia (315); *Mycosphaerella phaseolorum* Siemaszko, leaf spot, Malawi (99); *Parapericonia angusii* M. B. Ellis, leaf spot, Zambia (99); *Phakopsora pachyrhizi* H. Sydow & Sydow, rust, Australia (120, 299); *Phyllosticta glycinea* Tehon & Daniels, leaf spot, Malawi (99); *Pyrenochaeta glycines* Stewart, red leaf blotch, Zambia (64), Zimbabwe (240); *Ramulariopsis glycines* Deighton, leaf spot, Tanzania (72); *Rhizoctonia solani* Kühn, foliar blight, root rot and basal stem rot, Australia, Belize, Bolivia, Brazil, Colombia, Costa Rica, Ecuador, Panama (147), Papua New Guinea (250), Peru (147), USA (75), Venezuela (147); *Sclerotinia sclerotiorum* (Lib.) de Bary, stem and branch rot, Australia (299); *Synchytrium dolichi* (Cooke) Gäum., false rust/wart, Kenya (147), Zambia (99), Zimbabwe (240); *S. phaseoli* Westend., false rust/wart, Brazil (153); *Uromyces appendiculatus* (Pers.) Unger, rust, Brazil (147), Ethiopia (99)

PANICUM**Panicum adspermum** Trin.

Cerebella andropogonis Ces., false smut, Dominican Republic (99); *Drechslera gigantea* (Heald & Wolf) S. Ito, leaf blight, Venezuela (99); *Magnaporthe grisea* (Herbert) M. E. Barr, leaf spot, Dominican Republic (99), Puerto Rico (281); *Uromyces setariae-italicae* Yosh., rust, Puerto Rico, Virgin Islands (281)

Panicum afzelii Sw.

Phyllachora setariicola Speg., tar spot, Guinea (99)

Panicum antidotale Retz. (blue panic, pánico azul, panizo gigante, pasto azulado)

Alternaria sp., foliar blight, Cyprus (99); *Cerebella antidole* Subram., false smut, India (280); *Cladosporium macrocarpum* Preuss, inflorescence blight, Cyprus (99); *Claviceps* sp., ergot, India (99); *Coniothyrium* sp., leaf spot, Pakistan (99); *Didymosphaeria winteri* Niessl, leaf blight, Pakistan (99); *Diplodina panici* Ahmad, stem blight, Pakistan (99); *Hendersonia panici-antidotalis* Ahmad, leaf spot, Pakistan (99); *Hendersonia* sp., leaf spot, Pakistan (99); *Leptosphaeria eustoma* (Fr.) Sacc., foliar blight, Pakistan (99); *Leptosphaeria* sp., foliar blight, Pakistan (99); *Nigrospora sphaerica* (Sacc.) Mason, leaf spot, Pakistan (99); *Periconia byssoides* Pers., leaf spot, Pakistan (99);

Phoma sp., foliar blight, Pakistan (99); *Phyllosticta* sp., leaf spot, Ethiopia (99); *Physarum* sp., smothering mould, Papua New Guinea (250); *Puccinia substriata* Ell. & Barth., rust, India, Uganda (99); *Puccinia* sp., rust, Uganda (99); *Sclerophthora macrospora* Sacc., downy mildew, Australia (299); *Stagonospora panici* Ahmad, leaf scorch, Pakistan (99); *Tilletia tumefaciens* H. Sydow & Sydow, smut, India (99, 193), Pakistan (2, 99, 127); *Uromyces setariae-italicae* Yosh., rust, Uganda (99); *U. superfluous* H. Sydow & Sydow., rust, India (280), Pakistan (99)

***Panicum aquaticum* A. Rich.**

Anthostomella miscanthea Sacc., leaf spot, Cuba (99); *Fusarium dimerum* Penz., not stated, Cuba (99); *F. graminearum* Schwabe, not stated, Cuba (99)

***Panicum auritum* Nees**

Ustilagoinoidea ochracea Henn., false smut, Burma (99, 232), Malaysia (261), Philippines (99)

***Panicum barbinode* Trin.**

Uromyces setariae-italicae Yosh., rust, Barbados (99), Colombia (49, 121), Cuba, Guatemala, India, Puerto Rico, USA (280), Venezuela (50, 278),

***Panicum bifasciculatum* Trin.**

Ustilago rabenhorstiana Kühn, smut, India (99)

***Panicum bisulcatum* Thunb.**

Cochliobolus heterostrophus (Drechs.) Drechsl., leaf spot, Australia (99)

***Panicum bulbosum* HBK**

Claviceps sp., ergot, Australia (299); *Puccinia esclavensis* Dietel & Holway, rust, USA (99)

***Panicum candidum* (Humb. & Bonpl.) Kunth**

Phyllachora paspalicola Henn., tar spot, Costa Rica (211)

***Panicum capillare* L. (witch grass)**

Colletotrichum graminicola (Ces.) Wilson, anthracnose, USA (75); *Fusarium acuminatum* Ell. & Everh., root rot, USA (75); *F. oxysporum* Schlecht., root rot, USA (75); *F. poae* (Peck) Wollenw., root rot, USA (75); *Phyllachora graminis* (Fr.) Fuckel, tar spot, USA (75); *Phyllosticta* sp., grey leaf streak, USA (75); *Puccinia emaculata* Schwein., rust, USA (75, 99); *Pythium debaryum* Hesse, damping-off, root rot, USA (75); *Rhizoctonia solani* Kühn, root rot, USA (75); *Sclerophthora macrospora* Sacc., downy mildew, USA (75, 248); *Septoria* sp., leaf spot, USA (75); *Sorosporium cenchri* Henn., smut, USA (75); *S. syntherismae* (Peck) Farlow, smut, USA (99)

***Panicum chionachne* Mez**

Uromyces setariae-italicae Yosh., rust, Malawi (99, 219)

***Panicum colonum* L.**

Cochliobolus lunatus Nelson & Haasis, leaf spot, Egypt (99); *C. miyabeanus* (S. Ito & Kuribay.) Drechsl., leaf spot, Japan (99)

***Panicum coloratum* L. (blue panicgrass, grama zaina, guinea fino, pasto indio)**

Cercoseptoria sp., leaf spot, Zimbabwe (240); *Cerebella andropogonis* Ces., false smut, Zambia (99), Zimbabwe (240); *Claviceps maximensis* Theiss., ergot, Zimbabwe (240); *Claviceps* sp., ergot, Zambia (99); *Drechslera* sp., foliar blight, Ethiopia (99); *Ephelis* sp., inflorescence blight, Australia

(299), South Africa (99); *Phyllachora minutissima* (Welw. & Currey) Sm., tar spot, Zambia (99); *Phyllosticta* sp., leaf spot, Zimbabwe (240); *Ramulispora* sp., leaf spot, Zimbabwe (99); *Rhizoctonia* sp., root rot, Zimbabwe (240); *Tilletia ayresii* Masee, smut, Zimbabwe (240); *T. verrucosa* Cooke & Masee, smut, South Africa (280), Zambia (99); *Uromyces linearis* Berk. & Broome, rust, Kenya (99, 197)

Panicum coloratum* L. var. *makarikariensis Goossens (makarikari grass)

Cerebella andropogonis Ces., false smut, Malawi (238), Zambia (219); *Claviceps* sp., ergot, Zambia (238), Zimbabwe (240)

Panicum commelinaefolium Rudge

Beniowskia sp., false mildew, Sudan (99)

Panicum congoense Franchet

Balansia sclerotica (Pat.) Höhnelt, false smut, Guinea, Sierra Leone (99)

***Panicum crus-galli* L.**

Magnaporthe grisea (Herbert) M. E. Barr, leaf spot, Egypt (99); *Phaeoseptoria* sp., sheath spot, India (99); *Phoma sorghina* (Sacc.) Boerema, Doren. & van Kest., foliar blight, India (99); *Puccinia abnormis* Henn., rust, USA (99)

Panicum cyanescens Nees

Balansia strangulans (Mont.) Diehl, false smut, Trinidad (99)

Panicum decompositum R. Br. (native millet)

Fusarium graminearum Schwein., crown and stalk rot, Australia (257, 299); *Phyllachora graminis* (Fr.) Fuckel, tar spot, Australia (257); *P. punctum* (Schwein.) C. R. Ort. & Stevenson, tar spot, Australia (211, 299); *Sorosporium cryptum* McAlp., smut, Australia (299)

Panicum decompositum R. Br. var. *tenuis* Bailey

Phyllachora graminis (Fr.) Fuckel, tar spot, Australia (257)

Panicum deustum Thunb.

Phyllachora bonariensis Speg., tar spot, South Africa (211); *Uromyces setariae-italicae* Yosh., rust, Uganda (99)

Panicum dichotomiflorum Michaux (fall panic grass)

Ascochyta sp., leaf spot, USA (75); *Cercospora fusimaculans* Atk., leaf spot, USA (75); *Drechslera gigantea* (Heald & Wolf) S. Ito, zonate leaf spot, USA (75); *Fusarium acuminatum* Ell. & Everh., root rot, USA (75); *Sorosporium cenchri* Henn., smut, USA (75, 99); *S. syntherismae* (Peck) Farlow, smut, USA (99); *Ustilago heterogena* Henn., smut, USA (75, 99)

Panicum dichotomum L.

Macrophoma sp., stem rot, Pakistan (99); *Pleospora dichromatricha* (Speg.) Wehm., foliar blight, Pakistan (99)

Panicum dinklagei Mez

Balansia pallida Winter, false smut, Sierra Leone (99)

Panicum effusum R. Br. (hairy panic)

Phyllachora graminis (Fr.) Fuckel, tar spot, Australia (257); *P. punctum* (Schwein.) C. R. Ort. &

Stevenson, tar spot, Australia (211, 299); *Sorosporium cryptum* McAlp., smut, Australia (92, 99, 142, 257)

***Panicum elephantipes* Nees**

Anthostomella miscanthea Sacc., leaf spot, Cuba (99); *Ustilago bonariensis* Speg., smut, Argentina (280)

***Panicum fasciculatum* Sw. (browntop millet)**

Bipolaris sacchari (E. Butler) Shoem., leaf blight, Venezuela (99); *Cercospora fusimaculans* Atk., foliar blight, Cuba (99); *Cochliobolus setaria* (S. Ito & Kuribay.) Dastur, seed rot, India (235), USA (75, 235); *Leptosphaerulina australis* McAlp., foliar blight, USA (86); *Leptosphaeria* sp., foliar blight, Venezuela (99); *Phyllosticta panici-maximi* Cif. & Gonz. Frag., leaf spot, Venezuela (99); *Puccinia dolosa* Arthur & Fromme var. *circumdata* (Mains) Ramachar & Cummins, rust, Cuba, Mexico (99), Trinidad & Tobago (22, 99); *P. huberi* Henn., rust, Brazil (256, 280), Cuba, Mexico, Puerto Rico (280)

***Panicum frumentaceum* Roxb.**

Acrothecium lunatum Wakef., leaf spot, India (280); *Drechslera* sp., foliar blight, Bengal (3); *Ustilago crus-galli* Tracy & Earle, smut, India (99); *U. paradoxa* H. Sydow, Sydow & E. Butler, smut, India (280)

***Panicum fulgens* Stapf (two colour panic)**

Phyllachora graminis (Fr.) Fuckel, tar spot, Australia (257); *P. punctum* (Schwein.) C. R. Ort. & Stevenson, tar spot, Australia (211, 299); *Sorosporium cryptum* McAlp., smut, Australia (144, 257, 299)

***Panicum glabrescens* Steud.**

Ustilago rabenhorstiana Kühn, smut, Czechoslovakia (99)

***Panicum goyazense* Mez**

Ustilago rabenhorstiana Kühn, smut, Zimbabwe (99)

***Panicum guineense* Poirlet**

Sphacelia sp., ergot, Jamaica (99)

***Panicum haenkeanum* Presl**

Balansia strangulans (Henn.) Diehl, false smut, Costa Rica (99, 279), Panama (279)

***Panicum hallii* Vasey**

Tilletia narasimhanii Thirum. & Safee, smut, Mexico (99)

***Panicum henningtonii* Stapf**

Cerebella andropogonis Ces., false smut, Tanzania (99); *Claviceps* sp., ergot, Tanzania (99)

***Panicum hians* Ell.**

Tilletia barclayana (Bref.) Sacc. & Sydow, smut, Mexico (99)

***Panicum hirticaule* Presl**

Tilletia narayanaraoana Mundk. & Thirum., smut, Mexico (99)

Panicum horizontale (Willd.) G. Meyer*Ustilago rabenhorstiana* Kühn, smut, Uganda (99)***Panicum humile*** Steud.*Tilletia panici-humilis* Pavgi & Thirum., smut, India (99)***Panicum isachne*** Roem. & Schult.*Uromyces setariae-italicae* Yosh., rust, India (99)***Panicum ischaemum*** Schweigger*Ustilago rabenhorstiana* Kühn, smut, Canada (99)***Panicum javanicum*** Poirét*Uromyces setariae-italicae* Yosh., rust, India (99)***Panicum larcomianum*** Hughes*Cochliobolus sativus* (S. Ito & Kuribay.) Dastur, foliar blight, Australia (99)***Panicum laetum*** Kunth*Cercospora fusimaculans* Atk., foliar blight, Ghana (99)***Panicum laevifolium*** Hackel*Bipolaris urochloae* (Putterill) Shoem., leaf blight, South Africa (99); *Sorosporium hotsonii* Zundel, smut, South Africa (99); *Tilletia ayresii* Berk. & Masee, smut, South Africa (99)***Panicum laevifolium*** Hackel var. *contractum**Phyllachora punctum* (Schwein.) C. R. Ort. & Stevenson, tar spot, Australia (299)***Panicum latifolium*** L.*Meliola panici* Earle, sooty mould, Indonesia, Philippines, Puerto Rico (99); *Phyllachora punctum* (Schwein.) C. R. Ort. & Stevenson, tar spot, USA (211); *Uromyces setariae-italicae* Yosh., rust, Brazil (256); *Ustilago panici-latifolii* Henn., smut, Brazil (256)***Panicum laxum*** Sw.*Balansia andropogonis* H. Sydow & Sydow., false smut, Sierra Leone (99); *B. pallida* Winter, false smut, Sierra Leone (99); *B. strangulans* (Mont.) Diehl, false smut, Trinidad (99); *Curvularia leonensis* M. B. Ellis, leaf spot, Sierra Leone (99); *Ephelis japonica* Henn., false smut, Puerto Rico (281); *Marasmiellus paspali* (Petch) Singer, blight, Sierra Leone (99); *Phyllachora mayorii* Chardón, tar spot, Colombia (211); *P. microstroma* Chardón, tar spot, Colombia (49); *P. punctum* (Schwein.) C. R. Ort., tar spot, Dominican Republic, Puerto Rico, Virgin Islands, West Indies (281); *Ustilaginoidea ochracea* Henn., false smut, Trinidad & Tobago (99); *U. usambarensis* Henn., false smut, Puerto Rico, Tanzania (280)***Panicum leibergii*** (Vasey) Scribn.*Cercospora fusimaculans* Atk., leaf spot, USA (75); *Stagonospora simplicior* Sacc. & Berl. f. *andropogonis* Sacc., leaf blotch, USA (75, 99)***Panicum leucophaeum*** HBK*Septoria phaseoli* Maubl., foliar blight, Brazil (256); *Ustilago panici-leucophaei* Bref., smut, Brazil (256, 280), Guatemala (280)

Panicum maximum Jacq. (guinea grass, pasto guinea, hierba borinquen, pasto castilla)
Balansia claviceps Speg., false smut, Venezuela (99, 278); *Bipolaris bicolor* (Mitra) Shoem., leaf spot, Australia (299); *B. cynodontis* (Marig.) Shoem., leaf spot, Australia (299); *B. maydis* (Nisik. & Miyake) Shoem., leaf spot, Australia (299); *B. urochloae* (Putterill) Shoem., leaf blight, Australia (99, 299), India (99); *Botryodiplodia theobromae* Pat., leaf lesion, Nigeria (99); *Cercospora fusimaculans* Atk., foliar blight, Australia (176, 299), Bolivia, Brazil (147, 256), Colombia (49, 53, 147), Costa Rica, Cuba, Ecuador (147), El Salvador (57, 282), Ethiopia (147), French Guyana (24), Ghana (97, 99), Guadalupe (216), Guatemala (99), India (99), Ivory Coast (147), Jamaica (99, 146), Kenya (147), Malaysia, Mexico (99), Nicaragua (169), Nigeria (99, 147), Panama (147), Papua New Guinea (99), Peru (147), Puerto Rico (281, 285), Sierra Leone, Sudan (99), Tanzania (99, 239), Thailand, Togo (99), Trinidad (20, 22, 99), Uganda, Vanuatu (99), Venezuela (99, 278), Virgin Islands (281), Zambia (99, 238), Zimbabwe (147); *Cercospora* sp., foliar blight, Fiji (78); *Cerebella andropogonis* Ces., false smut, Ghana (97, 99), Jamaica (99, 146), Nigeria (99), Puerto Rico (281), Sierra Leone, Sudan (99, 283), Venezuela (278), Virgin Islands (281), Zimbabwe (240); *C. panici* Tracy & Earle, false smut, Venezuela (278); *Cladosporium spongiosum* Berk. & M. A. Curtis, inflorescence blight, Zambia (99); *Cladosporium* sp., inflorescence blight, Bolivia, Sierra Leone (99), Sudan (283), Venezuela (278); *Claviceps maximensis* Theiss., ergot, Australia (242), French Guyana (24), Puerto Rico (95, 281, 285), Sierra Leone (99), Tanzania (72, 99), Virgin Islands (281), Zimbabwe (240); *Claviceps* sp., ergot, India (231), Kenya (197), Tanzania, Zambia (99), Zimbabwe (95, 99); *Cochliobolus bicolor* Paul & Parbery, leaf spot, Australia (99), French Guyana (24); *C. cynodontis* Nelson, leaf spot, Australia (99); *C. heterostrophus* (Drechs.) Drechs., leaf spot, French Guyana, Jamaica (99); *C. miyabeanus* (S. Ito & Kuribay.), Dastur, foliar blight, Jamaica (99); *C. pallescens* (Tsuda & Ueyama) Sivan., leaf spot, Peru (99, 147), *C. setariae* (S. Ito & Kuribay.) Dastur, foliar blight, Sierra Leone (99); *C. victoriae* Nelson, foliar blight, Zimbabwe (99); *Colletotrichum truncatum* (Schwein.) Andrus & Moore, foliar blight, Nigeria (99); *Coniosporium inquinans* Dur. & Mont., foliar blight, Tanzania (301); *Coniothyrium panici* H. Sydow, leaf spot, Colombia (49, 147, 202, 281), Puerto Rico (281), Tanzania (99), Venezuela (50, 278); *Corticium rolfsii* Curzi, crown rot, Australia (257); *Didymosphaeria* sp., leaf blight, Cuba (99); *Fusarium heterosporum* Fr., pink ear/head blight, Costa Rica (99), Ghana (97, 99), Kenya (99, 197), Malawi (99), Puerto Rico (281), Tanzania (72, 99), Zambia (99), Zimbabwe (240); *F. oxysporum* Schlecht., root rot, Kenya (99, 197); *F. pallidoroseum* (Cooke) Sacc., not stated, Nigeria (99); *F. solani* (Mart.) Sacc., root rot, Kenya (99); *Fusarium* sp., root rot, Venezuela (278), leaf spot, Ivory Coast (99, 147); *Gibberella zae* (Schwein.) Petch, crown and stalk rot, Australia (299); *Gloeocercospora* sp., leaf spot, Kenya (197); *Glomerella cingulata* (Stonem.) Spauld. & Schrenk, anthracnose, Ecuador (99); *Helminthosporium panici* Van Overeem, foliar blight, Malaysia (99, 261, 287); *Helminthosporium* sp., foliar blight, Australia (257), Guadalupe (216, 217); *Khuskia oryzae* Hudson, leaf spot, Ecuador, Jamaica, Tanzania (99); *Leptosphaeria graminum* Sacc., leaf spot, Solomon Islands (99); *L. poae* (Sacc.) Niessl, leaf spot, Uganda (99); *L. recutita* (Fuckel) E. Müller, foliar blight, Malaysia (99, 110, 261); *Leptosphaeria* sp., foliar blight, Tanzania (99); *Magnaporthe grisea* (Herbert) M. E. Barr, leaf spot, Nigeria, Tanzania, Zambia (99), Zimbabwe (240); *Marasmius sacchari* Wakker var. *hawaiiensis* Cobb, root and stalk rot, Australia (299); *Melanospora zamiae* Corda, rust, Tanzania (99); *Meliola panici* Earle, sooty mould, Trinidad (99); *Metasphaeria panicorum* (Cooke) Sacc., leaf blight, Cuba (99); *Myrothecium cinctum* (Corda) Sacc., leaf spot, Peru (99, 147); *M. gramineum* Lib., leaf spot, Jamaica (99); *Nigrospora sphaerica* (Sacc.) Mason, leaf spot, Cuba (99), Ghana (97, 99), Peru, Venezuela (99); *Papularia sphaerosperma* (Fr.) Höhnelt, leaf spot, Tanzania (239); *Periconia digitata* (Cooke) Sacc., leaf spot, Kenya (99, 197); *P. echinocloae* (Bat.) M. B. Ellis, leaf spot, Kenya, Venezuela (99); *P. lateralis* Ell. & Everh., leaf spot, Kenya (99, 197); *Phaeoramularia kellermaniana* Marasas & Bredell, leaf spot, Togo (99); *Phoma sorghina* (Sacc.) Boerema, Dorenb. & van Kest., foliar blight, Bolivia, Brazil (99, 147), Ivory Coast (147), Nigeria (99); *Phyllachora*

bonariensis Speg., tar spot, Congo, Rwanda, South Africa (211); *P. heterospora* Henn., tar spot, Ghana (97), Kenya (197), Mauritius (207, 306), Puerto Rico (281), Sudan (283), Tanzania (239, 301), Zambia (238), Zimbabwe (240); *P. setariicola* Speg., tar spot, Ethiopia, Ghana (99), Kenya (99), Malawi, Mauritius, Nigeria (99), Sierra Leone, South Africa, Sudan (99), Tanzania (72, 99, 212), Uganda, Zambia (99); *Phyllachora* sp., tar spot, Sudan (99); *Phyllosticta panici* Young, white foliar blight, Ethiopia (99), French Guyana (24), Puerto Rico, USA (281); *Phyllosticta* sp., leaf spot, Kenya (99); *Physopella cameliae* (Mayor) Cummins & Ramachar, rust, Tanzania (239, 301); *Puccinia levis* (Sacc. & Bizz.) Magnus, rust, Brazil, Colombia (147), Mexico, Puerto Rico, Virgin Islands, West Indies (281); *P. insolita* Sydow, rust, Congo (280); *Puccinia* sp., rust, Sudan (99); *Ramulispora* sp., leaf spot, Kenya, Zimbabwe (99); *Rhizoctonia solani* Kühn, foliar blight, Malaysia (99, 261, 293), Nigeria, Sierra Leone (99); *Sclerospora macrospora* Sacc., downy mildew, Australia (257); *Septoria* sp., leaf spot, Ivory Coast, (99, 147); *Setosphaeria rostrata* Leonard, foliar blight, Australia (299), Jamaica (99); *Sorosporium afrum* H. Sydow, smut, Botswana (99), Tanzania (72); *S. panici* Mackinnon, smut, Congo (99), Ghana (97), Malawi (99), Zimbabwe (95, 240); *Sphacelia* sp., ergot, Australia, Brazil, Colombia, Costa Rica (147), Jamaica (146), Malawi (219), Peru (147), Venezuela (147, 278); *Tilletia ayresii* Berk. & Masee, smut, Belize, Bolivia, Brazil, Colombia (147), Congo (99), Costa Rica, Cuba, Ecuador (147), Ghana (97, 99), Ivory Coast (147), Kenya (99, 197), Malawi (99, 219), Mauritius (99, 207), Mexico, Natal, Nigeria, Panama, Philippines, Sri Lanka, South Africa, Sudan (99), Tanzania (99, 239), Uganda (99), Venezuela (147), Zambia (99, 238), Zimbabwe (99, 240); *Uredo panici-maximi* Rangel, rust, Brazil (256), Trinidad & Tobago (99); *Uredo* sp., rust, Solomon Islands (99), Tanzania (72, 99); *Uromyces linearis* Berk. & Broome, rust, Malaysia (219), Zambia (99); *U. setariae-italicae* Yosh., rust, Brazil, Cuba, Congo (99), Ivory Coast (147), Kenya (99, 197), Malawi (26, 99, 219), Malaysia (99, 110, 261), Mauritius (99, 207, 306), Nigeria (147), Peru (99, 147), Reunion Island (85), Sudan, Tanzania, Togo, Uganda (99), Zimbabwe (95, 99, 240); *Uromyces* sp., rust, Fiji (78); *Ustilago congensis* Henn., false smut, Congo (280); *Ustilago heterospora* Henn., smut, Kenya (177), Mauritius (306), Nigeria (304)

***Panicum maximum* Jacq. var. *publiglume* Peter**

Claviceps maximensis Theiss., ergot, Sierra Leone (99); *Rhizoctonia solani* Kühn, foliar blight, Sierra Leone (99)

***Panicum maximum* Jacq. var. *trichoglume* A. Robyns**

Bipolaris maydis (Nisik. & Miyake) Shoem., leaf spot, Australia (299); *B. melinidinis* Alcorn, leaf spot, Australia (8); *B. zeicola* (Stout) Shoem., leaf spot, Australia (299); *Cercospora* sp., leaf spot, Australia (299); *Claviceps* sp., ergot, Australia (299); *Cochliobolus lunatus* Nelson & Haasis, root rot, Australia (299); *Magnaporthe grisea* (Herbert) M. E. Barr, leaf spot, Australia (299); *Nigrospora sphaeria* (Sacc.) Mason, leaf sheath spot, Australia (299); *Pseudocercospora* sp., foliar blight, Australia (99); *Setosphaeria rostrata* Leonard, foliar blight, Australia (299); *Uromyces setariae-italicae* Yosh., rust, Australia (299)

***Panicum melinis* Trin.**

Uromyces puttemansii Rangel, rust, Brazil (256)

***Panicum mertensii* Roth**

Cercospora fusimaculans Atk., leaf spot, Trinidad & Tobago (22)

***Panicum mesgastachyum* Nees**

Tilletia ayresii Berk. & Masee, smut, Mauritius (207)

***Panicum meyeranum* Nees**

Didymosphaeria winterei Niessl, leaf blight, Sudan (99); *Phyllachora setariicola* Speg., foliar blight, Sudan (99); *Uromyces setariae-italicae* Yosh., rust, Malawi (26, 99, 219)

***Panicum miliaceum* L. (bread millet, common millet, mijo mayor, millo de puerco)**

Alternaria alternata (Fr.) Keissler, foliar blight, India (99); *Alternaria* sp., India (99); *Bipolaris sorokiniana* (Sacc.) Shoem., seedling blight, root rot, USA (75); *Cercospora sorghi* Ell. & Everh., foliar blight, Australia (99); *Cladosporium* sp., inflorescence blight, Sierra Leone (99); *Cochliobolus bicolor* Paul & Parbery, leaf spot, India (99); *C. eragrostidis* (Tsuda & Ueyama) Sivan., foliar blight, Nigeria, Sierra Leone (99); *C. geniculatus* Nelson, leaf spot, Sierra Leone (99), USA (75); *C. heterostrophus* (Drechl.) Drechl., leaf spot, India (99); *C. lunatus* Nelson & Haasis, leaf spot, India (99); *C. pallescens* (Tsuda & Ueyama) Sivan., leaf spot, seed associate, India (99); *C. spicifer* Nelson, leaf spot, India (99); *Colletotrichum graminicola* (Ces.) Wilson, foliar blight, Australia (99, 257, 299), USA (75); *Curvularia fallax* Boedijn, foliar blight, Sierra Leone (99); *C. leonensis* M. B. Ellis, foliar blight, Sierra Leone (99); *Exserohilum monoceras* (Drechl.) Leonard & Suggs, leaf spot, USA (75); *Fusarium equiseti* (Corda) Sacc., root rot, India (99); *F. moniliforme* Sheldon, root rot, Nigeria (99); *F. oxysporum* Schlecht., root rot, India (99); *F. pallidoroseum* (Cooke) Sacc., not stated, Nigeria (99); *Khuskia oryzae* Hudson, leaf spot, India (99); *Magnaporthe grisea* (Herbert) M. E. Barr, leaf spot, India (99), USA (75); *Phyllosticta panici-miliacei* Savul. & Sandu-ville, white spot, Romania (99); *Puccinia substriata* Ell. & Barth. var. *penicillariae* Ramachar & Cummins, rust, Yemen (99); *Puccinia* sp., rust, USA (75); *Pyricularia* sp., leaf spot, Australia (257, 299); *Sclerospora graminicola* (Sacc.) Schröter, downy mildew, India (231); *Setosphaeria turcica* (Luttrell) Leonard & Suggs, leaf spot, Australia (99), USA (75), Yemen (99); *Sphacelotheca destruens* (Schlecht.) Stevenson & A. G. Johnson, smut, Australia (257, 299), Czechoslovakia (99), India (193), USSR (99), Yemen (99); *Sporisorium cenchri* Henn., smut, USA (75); *Tilletia verrucosa* Cooke & Massee, smut, South Africa (280); *Uromyces linearis* Berk. & Broome, rust, China, India, Japan, Philippines, Sri Lanka (280); *Ustilago panici-miliacei* (Pers.) Winter, smut, Italy, Romania (99); *U. crameri* Körn, smut, Bulgaria (235), Canada, England, USA, Yugoslavia (99)

***Panicum millegraun* Poirlet**

Sclerotium kulmannii Rangel, root rot, Brazil (256)

***Panicum minus* Stapf**

Phyllachora punctum (Schwein.) C. R. Ort. & Stevenson, tar spot, South Africa (211)

***Panicum molle* Sw.**

Alternaria sp., foliar blight, Zambia (99); *Leptosphaeria graminum* Sacc., foliar blight, Venezuela (99)

***Panicum nepalensis* Spreng.**

Beniowskia graminis Racib., false mildew, Indonesia (280); *Phyllachora bonariensis* Speg., tar spot, Nepal (211); *P. raciborskii* Theiss. & H. Sydow, tar spot, Indonesia (280)

***Panicum nigerense* Hitchc.**

Puccinia negrensis Henn., rust, Brazil (256)

***Panicum nodosum* Kunth**

Balansia claviceps Speg., false smut, Malaysia (99); *Meliola panici* Earle, sooty mould, Malaysia (261); *Uromyces setariae-italicae* Yosh., rust, Malaysia (99, 261)

Panicum novemnerve Stapf

Setosphaeria turcica (Luttrell) Leonard & Suggs, leaf spot, Zimbabwe (99, 240)

Panicum obscurans Woodv.

Cerebella andropogonis Ces., false smut, South Africa (99)

Panicum obtusum HBK

Phyllachora paspalicola Henn., tar spot, USA (99)

Panicum olivaceum A. Chev.

Phyllachora panici-olivacei Chardón, tar spot, Venezuela (278)

Panicum ovalifolium Poirlet

Cochliobolus heterostrophus (Dreschl.) Drechsl., leaf spot, Papua New Guinea (99); *Puccinia huberi* Henn., rust, Brazil (256, 280), Cuba, Mexico, Puerto Rico (280)

Panicum palmifolium Lam.

Balansia claviceps Speg., false smut, Venezuela (278); *Beniowskia sphaeroidea* (Kalchbr. & Cooke) Mason, false mildew, Malawi (99); *Phyllachora seriata* Theiss. & H. Sydow, tar spot, Philippines (280); *P. setariicola* Speg., tar spot, Papua New Guinea (99); *Tilletia ayresii* Berk. & Masee, smut, Mauritius (207); *Uromyces setariae-italicae* Yosh., rust, Puerto Rico, Virgin Islands (281)

Panicum paniculatum Kuntze

Puccinia huberi Henn., rust, Brazil (256, 280), Cuba, Mexico, Puerto Rico (280)

Panicum patens L.

Phyllachora stenospora (Berk. & Broome) Sacc., tar spot, Philippines (99, 280), Sri Lanka (280)

Panicum pectinatum Rendle

Puccinia nyasaensis Cummins, rust, Malawi (55, 99, 219); *P. orientalis* (H. Sydow, Sydow & E. Butler) Arthur & Cummins, rust, Malawi (26)

Panicum perlongum Nash

Phyllachora punctum (Schwein.) C. R. Ort. & Stevenson, tar spot, South Africa (211)

Panicum pilipes Nees

Meliola panici Earle var. *panicicola* (H. Sydow & Sydow) Hansf., sooty mould, Philippines (99)

Panicum pilosum Sw.

Balansia strangulans (Mont.) Diehl, false smut, Nicaragua (169); *Claviceps* sp., ergot, Venezuela (169), Costa Rica (99); *Phyllachora pazschkeana* H. Sydow & Sydow, tar spot, Brazil (256); *P. tetrasporicola* Chardón, tar spot, Dominican Republic (211)

Panicum plenum Hitchc. & Chase

Puccinia esclavensis Dietel & Holway, rust, USA (99)

Panicum plicatum Lam.

Phyllachora setariicola Speg., tar spot, India (99)

***Panicum polygonatum* Schrad.**

Balansia henningsiana (Möller) Diehl, false smut, Jamaica (99); *Claviceps paspali* F. L. Stev. & Hall, ergot, Costa Rica (99); *Claviceps* sp., ergot, Costa Rica (99)

***Panicum prostratum* Lam.**

Balansia thanatophora (Lév.) Höhnelt, false smut, India (231); *Diorchidium orientale* H. Sydow, Sydow & E. Butler, rust, Bengal (3); *Puccinia orientalis* (H. Sydow, Sydow & E. Butler) Arthur & Cummins, rust, India, Philippines (280), Sri Lanka (99); *Uredo panici-prostrati* H. Sydow & Sydow, rust, India (280); *Uromyces setariae-italicae* Yosh., rust, Cuba, Guatemala, India (99, 280), Puerto Rico (280); *Ustilago operta* H. Sydow, Sydow & E. Butler, smut, India (280)

***Panicum psilopodium* var. *afrum* A. Chev.**

Drechslera panici-miliacei (Nisik.) Subram. & Jain, foliar blight, India (99); *Magnaporthe grisea* (Herbert) M. E. Barr, leaf spot, India (99)

***Panicum purpurascens* Raddi**

Cladosporium sp., inflorescence blight, Venezuela (99); *Claviceps* sp., ergot, Puerto Rico (285); *Fusarium* sp., wilt, Nicaragua (169); *Mycosphaerella* sp., leaf spot, Cuba (99); *Nigrospora oryzae* Berk. & Broome, stalk rot, Puerto Rico (281); *Phomopsis* sp., leaf spot, Cuba (99); *Puccinia* sp., rust, Venezuela (278); *Pythium* sp., damping-off, USA (75); *Sclerospora graminicola* (Sacc.) Schröter, downy mildew, India (231); *Uromyces setariae-italicae* Yosh., rust, Cambodia (167), Colombia (202), El Salvador (57, 282), Puerto Rico (281, 285), Thailand (227), Venezuela (99), Virgin Islands (281)

***Panicum pygmaeum* (R. Br.) Trin. (dwarf panic)**

Phyllachora bonariensis Speg., tar spot, Australia (211, 299); *P. graminis* (Fr.) Fuckel, tar spot, Australia (92); *P. heterospora* Henn., tar spot, Australia (257)

***Panicum queenslandicum* Domin**

Fusarium graminearum Schwein., crown and stalk rot, Australia (257, 299); *Phyllachora graminis* (Fr.) Fuckel, tar spot, Australia (257); *P. punctum* (Schwein.) C. R. Ort. & Stevenson, tar spot, Australia (211, 299); *Sorosporium cryptum* McAlp., smut, Australia (299)

***Panicum ramosum* (L.) Chittagong**

Diorchidium orientale H. Sydow, Sydow & E. Butler, rust, Bengal (3); *Ustilago operta* H. Sydow, Sydow & E. Butler, smut, India (280)

***Panicum repens* L. (torpedo grass, grama de castilla, grama portuguesa)**

Balansia pallida Winter, false smut, Sierra Leone (99); *Corticium rolfsii* Curzi, wilt, Malaysia (133); *Leptosphaeria recutita* (Fuckel) E. Müller, foliar blight, Hong Kong (99); *Magnaporthe grisea* (Herbert) M. E. Barr, leaf spot, Malaysia (133); *Phyllachora graminis* (Fr.) Fuckel, tar spot not stated (99); *P. microsperma* Parbery, tar spot, India, Malawi (211), Sierra Leone (99, 211); *P. punctum* (Schwein.) C. R. Ort. & Stevenson, tar spot, Malawi (99); *Phyllachora* sp., tar spot, Malawi (219); *Phyllosticta* sp., leaf spot, Hong Kong (99); *Puccinia* sp., rust, Cambodia (168); *Pyricularia oryzae* Cavara, foliar blight, Malaysia (99); *Pyricularia* sp., foliar blight, Thailand (47); *Sorosporium digitariae* (Kuntze) Padwick, smut, Bengal (1); *S. formosanum* (Saw.) Saw., smut, North-east Africa, Angola, China, Cyprus, India, Israel, Malawi, Sri Lanka, Sudan (99); *S. tanganyikanum* Zundel, smut, Tanzania (239); *Uromyces linearis* Berk. & Broome, rust, Burma (232), Cambodia (168), China, India, Japan (280), Malawi (26, 219), Philippines, Sri Lanka (280); *U. setariae-italicae* Yosh., rust, Cambodia (168), Sri Lanka (99), Zimbabwe (240); *Uromyces* sp.,

rust, Uganda (99); *Ustilago digitariae* (Kunze) Rabenh., smut, India, Mozambique, Sri Lanka, Sudan (280); *Ustilago* sp., smut, Thailand (47)

***Panicum reptans* L.**

Cochliobolus heterostrophus (Drechs.) Drechs., leaf spot, Cuba (99); *Septosphaeria turcica* (Luttr.) Leonard & Suggs, leaf spot, Jamaica (99, 146)

***Panicum sanguinale* L.**

Ephelis japonica Henn., inflorescence mould, Bengal (3); *Puccinia oahuensis* Ell. & Everh., rust, Japan, USA (280); *Uredo duplicato* Rangel, rust, Brazil (256); *Uromyces panici-sanguinalis* Rangel, rust, Brazil (256); *Ustilago digitariae* (Kunze) Rabenh., smut, India, Mozambique, Sri Lanka, Sudan (280)

***Panicum scalare* Mez**

Uromyces setariae-italicae Yosh., rust, Tanzania (72)

***Panicum schiffneri* Hackel**

Meliola panici Earle, sooty mould, Dominican Republic (99)

***Panicum sciurotis* Trin.**

Phyllachora microsperma Parbery, tar spot, Brazil (211); *P. pазschkeana* H. Sydow & Sydow, tar spot, Brazil (256)

***Panicum scribnerianum* Nash**

Phyllachora punctum (Schwein.) C. R. Ort. & Stevenson, tar spot, USA (211); *Stagonospora simplicior* (Sacc. & Berl.) Sacc. f. *andropogonis* Sacc., leaf blotch, USA (99)

***Panicum sellowii* Nees**

Puccinia puttemansii Henn., rust, Trinidad & Tobago (22, 99)

***Panicum seminudum* Domin**

Phyllachora graminis (Fr.) Fuckel, tar spot, Australia (257); *P. punctum* (Schwein.) C. R. Ort. & Stevenson, tar spot, Australia (211, 299)

***Panicum simile* Domin**

Ascochyta zeicola Ell. & Everh., foliar blight, Australia (99); *Phyllachora punctum* (Schwein.) C. R. Ort. & Stevenson, tar spot, Australia (299); *Sorosporium cryptum* McAlp., smut, Australia (299)

***Panicum sphaerocarpum* Salzm. & Steud.**

Nigrospora sphaerica (Sacc.) Mason, leaf spot, Uganda (99); *Phyllachora punctum* (Schwein.) C. R. Ort. & Stevenson, tar spot, Dominican Republic, Puerto Rico, Virgin Islands (283); *P. standleyi* Chardón, tar spot, Honduras (212)

***Panicum stoloniferum* Poirlet**

Phyllachora tetrasporicola Chardón, tar spot, Trinidad (99)

***Panicum striatissimum* C. E. Hubbard**

Ustilagoideia ochracea Henn., false smut, Sierra Leone (99)

***Panicum tenellum* Roxb.**

Puccinia huberi Henn., rust, Brazil (256, 280), Cuba, Mexico, Puerto Rico (280)

Panicum teneriffae (L. f.) Spreng.

Sorosporium formosanum (Saw.) Saw., smut, North-east Africa (99)

Panicum tennesseense Ashe

Phyllachora punctum (Schwein.) C. R. Ort. & Stevenson, tar spot, USA (211)

Panicum transvenulosum Stapf

Beniowskia sp., false mildew, Congo (99)

Panicum trichocladum Schumach.

Colletotrichum graminicola (Ces.) Wilson, foliar blight, Uganda (99); *Phyllachora* sp., tar spot, Malawi (219); *Rhizoctonia solani* Kühn, foliar blight, Malaysia (99, 261)

Panicum trichoides Sw.

Puccinia huberi Henn., rust, Grenada (21, 99), Dominica (21, 219), Venezuela (50, 99, 278), Trinidad & Tobago (22), Brazil (256)

Panicum trichopus Hochst.

Cerebella andropogonis Ces., false smut, South Africa (99)

Panicum trigonum Retz. (diffuse panic grass)

Balansia sp., false smut, Malaysia (261), Thailand (227); *Drechslera* sp., foliar blight, Malaysia (99, 135); *Pyricularia* sp., foliar blight, Malaysia (261)

Panicum trypheron Schult.

Claviceps fusiformis Loveless, ergot, India (99); *Magnaporthe grisea* (Herbert) M. E. Barr, leaf spot, India (99); *Tilletia biharica* Thirum. & Pavgi, smut, India (99); *T. narasimhanii* Thirum. & Safee., smut, India (99); *T. narayanaraoana* Mundk. & Thirum., smut, India (193, 231); *Uromyces setariae-italicae* Yosh., rust, India (99)

Panicum umbellatum Trin.

Tilletia ayresii Berk. & Masee, smut, Mauritius (207); *Uredo* sp., rust, Mauritius (99)

Panicum utowanaeum Scribn.

Puccinia huberi Henn., rust, Brazil (256, 280), Cuba, Mexico, Puerto Rico (281); *P. levis* (Sacc. & Bizz.) Magnus, rust, Puerto Rico, Virgin Islands (281)

Panicum virgatum L. (small buffalo grass)

Beniowskia sphaeroidea (Kalchbr. & Cooke) Mason, false mildew, Canada (99); *Elsinoe panic* Tiffany & Mathre, scab, USA (99); *Hendersonia panicicola* Petrak, leaf spot, USA (99); *Puccinia emaculata* Schwein., rust, Mexico (99); *P. huberi* Henn., rust, Brazil, Cuba, Mexico, Puerto Rico (280); *Tilletia maclagani* (Berk.) Clint., smut, Canada (99); *Uromyces graminicola* Burr., rust, USA (99); *Ustilago heterogena* Henn., smut, USA (60)

Panicum viscidellum Scribn.

Phyllachora puncta (Schwein.) C. R. Ort. & Stevenson, tar spot, Venezuela (278)

Panicum warburgii Mez

Puccinia orientalis (H. Sydow, Sydow & E. Butler) Arthur & Cummins, rust, Philippines (99)

***Panicum zizanoides* Kunth**

Balansia strangulans (Mont.) Diehl, false smut, Trinidad (99); *Physopella lenticularis* (Mains) Cummins & Ramachar, rust, Trinidad (99)

***Panicum* sp.**

Ascochyta zeicola Ell. & Everh., foliar blight, Australia (99); *Balansia sclerotica* (Pat.) Höhnelt, false smut, India (231); *B. strangulans* (Mont.) Diehl, false smut, Brazil (256), India (99); *Bipolaris indica* Rai, Wadhvani & Tewari, leaf spot, China (99); *Cercospora fusimaculans* Atk., foliar blight, Bolivia, Brasil, Ecuador (147), El Salvador (223, 282), Peru, Sudan, Venezuela (147), Zambia (99); *Cerebella andropogonis* Ces., false smut, Brazil (147), Dominican Republic, India, Malawi, Sierra Leone, Sudan (99), Venezuela (147); *Cladosporium* sp., inflorescence blight, Zambia (99); *Claviceps* sp., ergot, Bengal (3), Brazil, Colombia, India, Mauritius (99), Peru (147), Sudan (283); *Cochliobolus heterostrophus* (Drechs.) Drechs., leaf spot, Zambia (99); *C. lunatus* Nelson & Haasis, foliar blight, Colombia (147), Solomon Islands (99); *C. pallescens* (Tsuda & Ueyama) Sivan., seedling rot, India (99); *C. spicifer* Nelson, foliar blight, USA (235); *Coniothyrium panici* H. Sydow, leaf and culm lesions, Pakistan (99), Venezuela (147); *Curvularia* sp., leaf spot, Colombia (147); *Didymosphaeria futilis* (Berk. & Broome) Rehm, shoot blight, Pakistan (99); *Drechslera stenospila* (Drechs.) Subram. & Jain, foliar blight, USA (235); *Entyloma* sp., leaf smut, Kenya (99, 240); *Fusarium equiseti* (Corda) Sacc., not stated, Saudi Arabia (99); *F. heterosporum* Fr., pink ear, Bengal (3); *F. oxysporum* Schlecht., root rot and wilt, Australia (299), Bengal (3), Nigeria (99); *Fusarium* sp., inflorescence blight, Brazil (147), Cameroon (99), Colombia, Peru, Venezuela (147); *Gibberella* sp., Colombia, Brazil, Peru (147); *Gloeocercospora sorghi* Deighton, foliar blight, USA (235); *Gloeocercospora* sp., leaf spot, Bengal (3); *Glomerella cingulata* (Stonem.) Spauld. & Schrenk, anthracnose, Indonesia (99); *Helminthosporium panici* Van Overeem, foliar blight, India, Malaysia (99); *Leptosphaeria grisea* Pass., foliar blight, Cuba, Venezuela (99); *L. recutita* (Fuckel) E. Müller, foliar blight, Malaysia (99); *Macrophomina phaseolina* (Tassi) Goid., wilt, Indonesia (99); *Magnaporthe grisea* (Herbert) M. E. Barr, leaf spot, West Africa (99); *Meliola amphitricha* Fr., sooty mould, Brazil (256); *M. panici* Earle, sooty mould, Malaysia (110, 170); *Mycosphaerella panicicola* Henn., leaf spot, Brazil (256); *Mycosphaerella* sp., leaf spot, Guinea (99), Kenya (99, 240); *Myriogenospora atramentosa* (Berk. & M. A. Curtis) Diehl, crazy top, USA (174); *Myriogenospora* sp., crazy top, USA (69); *Nigrospora sacchari* (Speg.) Mason, leaf spot, Colombia (147); *Periconia* sp., leaf spot, Bengal (3); *Phaeoseptoria* sp., sheath spot, Ethiopia (99); *Phoma sorghina* (Sacc.) Boerema, Dorenb. & van Kest., foliar blight, China, Ethiopia, Nigeria (99); *Phyllachora acutispora* Speg., tar spot, Brazil (256); *P. graminis* (Fr.) Fuckel, tar spot, India (99); *P. heterospora* Henn., tar spot, Bengal (3), Colombia (147); *P. minutissima* (Welw. & Currey) Sm., tar spot, Brazil, Congo, Philippines (211); *P. panici* (Rehm) Theiss., tar spot, Brazil (256); *P. setariicola* Speg., tar spot, Ecuador, India, Philippines, Sudan (99), Zimbabwe (99, 240); *Phyllosticta* sp., leaf spot, India (231), Nepal (99); *Physalospora panici* Rehm, leaf spot, Brazil (256); *Physopella lenticularis* (Mains) Cummins & Ramachar, rust, Costa Rica (99); *Puccinia goyazensis* Henn., rust, Brazil (256); *P. orientalis* (H. Sydow, Sydow & E. Butler) Arthur & Cummins, rust, Malawi (307), Papua New Guinea (250); *P. puttemansii* Henn., rust, Brazil (256); *Pyricularia oryzae* Cavara, foliar blight, India (147), Malaysia (110, 308); *Rhizoctonia solani* Kühn, foliar blight, Malaysia (147); *Rhizopus rhizopodiformis* (Cohn) Zopf, inflorescence blight, Saudi Arabia (99); *Rhynchosporium secalis* (Oudem.) Davis, foliar blight, India (286); *Sclerophthora macrospora* (Sacc.) Thirum., downy mildew, USA (75); *Setosphaeria rostrata* Leonard, foliar blight, Indonesia (99); *Sorosporium cryptum* McAlp., smut, Australia (299); *S. formosanum* (Saw.) Saw., smut, Malawi (307); *S. nyasalandicum* Lee Ling, smut, Malawi (99); *S. panici* Mackinnon, smut, Malawi (307), Tanzania (72); *S. syntherismae* (Peck) Farlow, smut, USA (235); *Sphacelia* sp., ergot, Bengal (3), Kenya (197), Malawi (307), Venezuela (147), Zambia (99); *Sphacelotheca destruens*

(Schlecht.) Stevenson & A. G. Johnson, smut, Bulgaria (235), Canada, Czechoslovakia, Poland, Romania, USA, Yugoslavia (99), USSR (235); *Tilletia ayresii* Berk. & Masee, smut, Cameroon, Kenya, Sudan, Zimbabwe (99); *T. panici* Mundk., smut, India (193); *Tolyposporium bullatum* (Schröter) Schröter, smut, Italy (235); *T. minus* Schröter, smut, Brazil (256); *Trichothyrium asterophorum* (Berk. & Broome) Höhnel, not stated, Philippines (99); *Uredo* sp., rust, Venezuela, Zambia (99); *Uromyces linearis* Berk. & Broome, rust, Malawi (307), Malaysia (308); *U. puttemansii* Rangel, rust, Brazil (256); *U. setariae-italicae* Yosh., rust, Bengal (3), Brazil (147), El Salvador (282), Malawi (307), Malaysia (110), Sudan (99, 283); *Ustilago ochracea* Henn., false smut, Malaysia, Sierra Leone (99); *U. usambarensis* Henn., false smut, Tanzania (72); *Ustilago vesiculosa* Henn., smut, Brazil (256); *Ustilago* sp., smut, Trinidad (99), Zimbabwe (99, 240)

PASPALIDIUM

Paspalidium albobilosum S. T. Blake

Phyllachora graminis (Fr.) Fuckel, tar spot, Australia (257); *P. punctum* (Schwein.) C. R. Ort. & Stevenson, tar spot, Australia (211)

Paspalidium distans (Trin.) Hughes

Claviceps hirtella Langdon, ergot, Australia (257); *Phyllachora graminis* (Fr.) Fuckel, tar spot, Australia (257); *P. punctum* (Schwein.) C. R. Ort. & Stevenson, tar spot, Australia (211); *Stagonospora* sp., leaf spot, Australia (99)

Paspalidium flavidum (Retz.) A. Camus

Entyloma speciosum Schröter & Henn., leaf smut, India (99); *Ephelis* sp., false smut, India (99); *Uromyces setariae-italicae* Yosh., rust, Philippines (99)

Paspalidium geminatum (Forsskal) Stapf

Cercospora fusimaculans Atk., leaf spot, Guinea (99); *Fumago vagans* Pers., sooty mould, India (99); *Gaeumannomyces graminis* (Sacc.) v. Arx & Olivier, root rot, Pakistan (99); *Phyllachora paspalicola* Henn., tar spot, Puerto Rico, Virgin Islands (281); *Ustilago paspalidicola* Zambett., smut, Senegal (316); *U. trichophora* (Link) Kunze, smut, Malawi (99)

Paspalidium gracile (R. Br.) (slender panic)

Ustilago panici-gracilis McKinnon, smut, Australia (99, 257)

Paspalidium jubiflorum (Trin.) Hughes

Phyllachora punctum (Schwein.) C. R. Ort. & Stevenson, tar spot, Australia (211)

Paspalidium punctatum (Burm.) A. Camus

Periconia lateralis Ell. & Everh., leaf spot, India (99); *Phyllachora punctum* (Schwein.) C. R. Ort. & Stevenson, tar spot, India (99); *Uromyces setariae-italicae* Yosh., rust, Trinidad & Tobago (22)

Paspalidium sp.

Ustilago panici-gracilis McKinnon, smut, Australia (92); *U. trichophora* (Link) Kunze, smut, Malawi (99)

PASPALUM

Paspalum acuminatum Raddi*Phyllachora leonardi* Chardón, tar spot, Venezuela (278)***Paspalum auriculatum*** Presl*Cercospora* sp., leaf spot, Uganda (99)***Paspalum blodgettii*** Chapman*Puccinia chaetochloe* Arthur, rust, Jamaica (99, 146); *P. levis* (Sacc. & Bizz.) Magnus, rust, Mexico, Puerto Rico, USA, Virgin Islands, West Indies (281)***Paspalum boscianum*** Flügge*Claviceps paspali* F. L. Stev. & Hall, ergot, Venezuela (278)***Paspalum buchtienii*** Hackel*Physopella compressa* (Mains) Cummins & Ramachar, rust, Bolivia (76)***Paspalum candidum*** HBK*Phyllachora leonardi* Chardón, tar spot, Colombia (202); *P. paspalicola* Henn., tar spot, Costa Rica (99); *Puccinia macra* Arthur & Holway, rust, Bolivia (76, 121), Colombia (121), Costa Rica (99, 121), Ecuador, Guatemala (121), Venezuela (278),***Paspalum corcarodense*** Raddi*Puccinia paspali-laxi* Rangel, rust, Brasil (256)***Paspalum cartilagineum*** Presl*Puccinia paspalina* Cummins, rust, Papua New Guinea (99, 250)***Paspalum ciliatifolium*** Michaux*Phyllachora paspalicola* Henn., tar spot, USA (211)***Paspalum clavuliferum*** Wright*Cercospora paspalicola* Petrak, leaf spot, West Indies (99)***Paspalum commersonii*** L.*Balansia pallida* Winter, false smut, Sierra Leone (99); *Claviceps paspali* F. L. Stev. & Hall, ergot, Australia (257); *Puccinia dolosoides* Cummins, rust, Malawi (99); *Uredo paspali* Pandotra, rust, India (99)***Paspalum conjugatum*** Flügge (buffalo grass, barbados sourgrass, amargo, pata de gallina)*Angiopsora compressa* Mains, rust, Barbados (21, 200), Grenada (21), Trinidad & Tobago (22), Venezuela (121, 278); *Cercospora setariae* Atk., leaf spot, Guinea (99); *Cercospora* sp., leaf spot, Mauritius (207, 306); *Claviceps* sp., ergot, Puerto Rico (281); *Ephelis japonica* Henn., inflorescence blight, Cambodia (167); *Glomerella cingulata* (Stonem.) Spauld. & Schrenk, leaf spot, Cuba (99); *Helminthosporium mayaguenzense* Miles, leaf spot, Costa Rica, Panama (279); *Magnaporthe grisea* (Herbert) M. E. Barr, leaf spot, Uganda (99); *Marasmius crinisequi* Kalchbr., black horse-hair blight, Papua New Guinea (250); *Myriogenospora atramentosa* (Berk. & M. A. Curtis) Diehl, crazy top, Puerto Rico, West Indies (281); *M. bresadolleana* Henn., tangle top Colombia (49, 202),

Venezuela (50, 278); *M. paspali* Atk., tangle top, Dominican Republic (99), Grenada (21), Nicaragua (169), Puerto Rico, Sierra Leone (99), Trinidad & Tobago (22, 99), Venezuela (278); *Myrothecium cinctum* (Corda) Sacc., leaf spot, Papua New Guinea (99); *M. roridum* Fr., leaf spot, Papua New Guinea (99); *Phyllachora acutispora* Speg., tar spot, Guinea, India (99); *P. paspalicola* Henn., tar spot, Australia (281), Brazil (256, 281), Colombia (49, 211), Dominican Republic (21, 211), Grenada (21), Jamaica (146), Malaysia (99), Papua New Guinea, Philippines (99), Puerto Rico (281), Trinidad & Tobago (22, 99), USA (281), Venezuela (50, 200), Virgin Islands, West Indies (281); *P. punctum* (Schwein.) C. R. Ort. & Stevenson, tar spot, Dominican Republic, Puerto Rico, Virgin Islands, West Indies (281); *Phyllosticta* sp., leaf spot, Malaysia (99, 261), Venezuela (99); *Physopella compressa* (Mains) Cummins & Ramachar, rust, Barbados (99), Bolivia, Brazil (281), Grenada, Dominican Republic, Jamaica (146), Panama, Puerto Rico (281), Trinidad (99, 281); *Puccinia levis* (Sacc. & Bizz.) Magnus, rust, Colombia (125); *P. substriata* Ell. & Barth., rust, Dominican Republic, Grenada (99), Mexico, Puerto Rico (281), Trinidad (99, 281), USA, Virgin Islands, West Indies (281); *P. tubulosa* (Pat. & Guillerm.) Arthur, rust, Colombia (49, 202), Venezuela (50); *Rhizoctonia solani* Kühn, foliar blight, Malaysia (135), Solomon Islands (99); *Setosphaeria turcica* (Luttrell) Leonard & Suggs, leaf spot, Ghana (97), Togo (99); *Ustilago schroeteriana* Henn., rust, Guatemala (99)

***Paspalum convexum* Humb. & Bonpl.**

Phyllachora paspalicola Henn., tar spot, Colombia (99); *Tilletia rugispora* Ell., smut, Mexico (99)

***Paspalum coryphaenum* Trin.**

Puccinia levis (Sacc. & Bizz.) Magnus, rust, Brazil (99, 147)

***Paspalum decumbens* Sw.**

Angiopsora compressa (Pat. & Guillerm.) Mains, rust, Venezuela (121, 278); *Phyllachora paspalicola* Henn., tar spot, Venezuela (278); *Puccinia tubulosa* (Pat. & Guillerm.) Arthur, rust, USA, Canada (121); *Septoria paspali* H. Sydow, leaf spot, Ecuador (99)

***Paspalum dilatatum* Poirlet (Australian grass, dallis grass, water grass, pasto dallis)**

Alternaria alternata (Fr.) Keissler, leaf spot, Australia (99); *Ascochyta paspali* (H. Sydow) Punith., leaf spot, Argentina (99, 228), Australia (228); *Cercospora* sp., leaf spot, Mauritius (99, 207); *Cerebella andropogonis* Ces., false smut, Papua New Guinea (250), Zimbabwe (99); *Cladosporium* sp., head mould, Australia (99), Thailand (227), USA (75); *Claviceps paspali* F. L. Stev. & Hall, ergot, Australia (99, 235, 257, 299), Brazil (28), India (231), Mauritius (207, 306), Mexico, Puerto Rico (281), USA (75, 281), West Indies (281), Zimbabwe (240); *Colletotrichum graminicola* (Ces.) Wilson, leaf spot, Australia (299), USA (75); *Curvularia trifolii* (Kauffm.) Boedijn, seed associate, Australia (299); *Didymosphaeria* sp., leaf blight, Australia (99); *Drechslera dematioidea* (Bubák & Wrobl.) Subram. & Jain, leaf spot, New Zealand (99); *Epipolaeum* sp., leaf spot, Australia (299); *Fusarium avenaceum* (Fr.) Sacc., on florets in association with ergot, Australia (299), South Africa (99); *F. heterosporum* Fr., pink head, associated with ergot, Australia (299); *Fusarium* sp., head mould, Australia (99), USA (75); *Hormodendron* sp., inflorescence spot, Brasil (183, 256); *Myriogenospora* sp., crazy top, USA (69); *Ophiobolus cariceti* (Berk. & Broome) Sacc., sheath rot, Colombia (147); *Phyllachora acutispora* Speg., tar spot, Uruguay (99); *P. minutissima* (Welw. & Currey) Sm., tar spot, Uruguay (99, 211); *P. paspalicola* Henn., tar spot, Australia, Papua New Guinea, Philippines, Puerto Rico, USA, Virgin Islands, West Indies (281); *Phoma exigua* Desm., leaf spot, New Zealand (112); *P. huancayensis* Turkens., leaf spot, New Zealand (112); *P. macrostoma* Mont. var. *incolorata* (Horne) Boerema & Dorenb., leaf spot, New Zealand (112); *P. medicaginis* Malbr. & Roum., leaf spot, New Zealand (112); *P. paspali* Johnston, leaf spot, New Zealand (112); *P. pomorum* Thümen, leaf spot, New Zealand (112); *Puccinia paspalina* Cummins,

rust, Australia (59); *Scolecosporiella spraguei* B. Sutton & Alcorn, leaf scorch and spot, Australia (299), USA (99); *Ustilago microspora* Schröter & Henn., smut, Brasil (256, 280), Uruguay (280)

***Paspalum distichum* L.** (water couch)

Ascochyta phleina Sprague, leaf spot, Australia (99); *Claviceps paspali* F. L. Stev. & Hall, ergot, Australia (257, 299), USA (75); *Fusarium heterosporum* Fr., pink head, USA (75); *Phyllachora paspalicola* Henn., tar spot, India (70); *Phyllachora* sp., tar spot, Mauritius (207); *Sphacelia* sp., ergot, India (99) *Tolyposporium evernium* H. Sydow, smut, Australia (257), India (193); *Ustilago verrucosa* Schröter, smut, Brazil (280)

Paspalum distichum* L. ssp. *paspalodes (Michaux) Thell.

Alternaria sp., leaf spot, Pakistan (99); *Cladosporium cladosporioides* (Fresen.) de Vries, leaf mould, Pakistan (99); *Cladosporium herbarum* (Pers.) Fr., inflorescence mould, Iran (99); *Cladosporium oxysporum* Berk. & M. A. Curtis, inflorescence mould, Pakistan (99); *Claviceps paspali* F. L. Stev. & Hall, ergot, Australia (99, 235), Yugoslavia (235); *Fumago vagans* Pers., sooty mould, India (99); *Phyllachora* sp., tar spot, Mauritius (306); *Septoria* sp., leaf spot, Australia (99); *Tolyposporium evernium* H. Sydow, smut, Australia (99), India, Pakistan (2, 99); *T. paspali* Langdon, smut, Australia (99); *Ustilago verrucosa* Schröter, smut, Brasil (256)

Paspalum elongatum Griseb.

Phyllachora acuminata Starb., tar spot, Brazil (211); *P. acutispora* Speg., tar spot, Paraguay (99); *Physopella compressa* (Mains) Cummins & Ramachar, rust, Bolivia (76)

Paspalum fasciculatum Flügge (chiguirera, gamelote, sorgo amargo, Venezuela grass)

Phyllachora acutispora Speg., tar spot, Trinidad (99); *P. carnispora* Atk., tar spot, Trinidad & Tobago (22); *P. chaetochloae* F. L. Stev., tar spot, Costa Rica, Panama (279); *Puccinia dolosa* Arthur & Fromme var. *circumdata* (Mains) Ramachar & Cummins, rust, Mexico, Panama, Puerto Rico, USA (281)

Paspalum fimbriatum Kunth

Puccinia levis (Sacc. & Bizz.) Magnus, rust, Barbados, Grenada (21), Jamaica (99), Mexico, Puerto Rico (281), St. Vincent (21), USA, Virgin Islands, West Indies (281); *Puccinia substriata* Ell. & Barth., rust, Venezuela (99); *Ramularia* sp., floury leaf spot, Barbados (99)

Paspalum floridanum Michaux

Scolecosporiella spraguei B. Sutton & Alcorn, leaf spot, USA (99)

Paspalum glabrum Poiret

Phyllachora punctum (Schwein.) C. R. Ort. & Stevenson, tar spot, Trinidad (99)

Paspalum hartwegianum Fourn.

Puccinia substriata Ell. & Barth., rust, Mexico (99)

Paspalum humboldtianum Flügge

Angiopsora compressa Mains, rust, Venezuela (121, 278); *Phyllachora* sp., tar spot, Venezuela (278); *Puccinia substriata* Ell. & Barth., rust, Bolivia (76), Venezuela (121, 278); *P. tubulosa* (Pat. & Guillierm.) Arthur, rust, Colombia (49, 125), Venezuela (50)

Paspalum langei (Fourn.) Nash

Puccinia levis (Sacc. & Bizz.) Magnus, rust, Venezuela (50, 99); *P. substriata* Ell. & Barth., rust, Mexico (99)

***Paspalum longiflorum* Roxb.**

Cerebella andropogonis Ces., false smut, Philippines (99); *C. inquinans* (Berk. & Broome) Petch, false smut, Bengal (3); *Cerebella* sp. (assoc. with *Sphacelia* sp.), false smut, Papua New Guinea (250); *Claviceps queenslandica* Langdon, ergot, Papua New Guinea (250); *Puccinia paspalina* Cummins, rust, Papua New Guinea (99, 250); *Sphacelia* sp., ergot, Papua New Guinea (250)

***Paspalum lehmannianum* Pilger**

Puccinia chaetochloae Arthur, rust, Colombia (49, 125, 202)

***Paspalum marinum* Trin.**

Phyllachora paspalicola Henn., tar spot, Brazil (147)

***Paspalum microstachyum* Presl**

Puccinia araguata Kern, rust, Venezuela (121, 278); *P. levis* (Sacc. & Bizz.) Magnus, rust, Venezuela (50)

***Paspalum millegrana* Schrad.**

Claviceps paspali (Schwein.) F. L. Stev. & Hall, ergot, Australia, Mexico, Puerto Rico, USA, West Indies (281); *Fusarium heterosporum* Fr., head blight, Puerto Rico (281); *Physoderma* sp., leaf spot, Brasil (28); *Phyllachora guianensis* F. L. Stev., tar spot, Trinidad & Tobago (22); *P. paspalicola* Henn., tar spot, Australia, Puerto Rico, Virgin Islands (281); *Puccinia levis* (Sacc. & Bizz.) Magnus, rust, Mexico, Puerto Rico, Virgin Islands (281); *P. maublancii* Rangel, rust, Brazil (256); *P. substriata* Ell. & Barth., rust, Dominican Republic (99)

***Paspalum molle* Poiret**

Puccinia substriata Ell. & Barth., rust, Mexico, Puerto Rico, Trinidad, USA (281), Venezuela (278), Virgin Islands, West Indies (281); *Puccinia* sp., rust, Venezuela (278)

***Paspalum notatum* Flüge (bahia grass)**

Bipolaris victoriae (Meehan & Murphy) Shoem., leaf blight, USA (75); *Cladosporium herbarum* Fr., leaf spot, Nicaragua (169); *Claviceps paspali* F. L. Stev. & Hall, ergot, Kenya (197), USA (75); *Curvularia* sp., leaf spot, Nicaragua (169); *Colletotrichum graminicola* (Ces.) Wilson, anthracnose, USA (79); *Fusarium heterosporum* Fr., pink ear, USA (75); *Magnaporthe grisea* (Herbert) M. E. Barr, leaf spot, Cuba (99); *Myriogenospora atramentosa* (Berk. & M. A. Curtis) Diehl, crazy top, USA (75); *Phyllachora paspalicola* Henn., tar spot, Australia, Papua New Guinea, Philippines, Puerto Rico, USA, Virgin Islands, West Indies (281); *Puccinia substriata* Ell. & Barth., rust, Jamaica (62, 146), USA (75), Venezuela (99); *Pythium* sp., seedling blight, USA (79); *Ramularia* sp., floury leaf spot, Nicaragua (169); *Rhizoctonia solani* Kühn, seedling blight, USA (79); *Sclerotinia homoeocarpa* Bennett, dollar spot, root and collar rot, USA (75, 79); *Sphacelotheca paspali-notati* (Henn.) Clinton, smut, Mexico (99), Trinidad (22, 99)

***Paspalum orbiculare* Forssk. (ditch millet)**

Balansia pallida Winter, false smut, Papua New Guinea (99); *Cercospora* sp., leaf spot, Brazil (147); *Cerebella andropogonis* Ces., false smut, Australia (257); *C. inquinans* (Berk. & Broome) Sacc., false smut, Australia (99); *Claviceps paspali* F. L. Stev. & Hall, ergot, Australia (257); *C. queenslandica* Langdon, ergot, Australia (257, 299); *Ephelis* sp., false smut, Australia (257); *Fusarium* sp., not stated, Papua New Guinea (99); *Phyllachora parilis* H. Sydow, tar spot, Australia (257); *P. paspalicola* Henn., tar spot, Australia (211, 299); *Puccinia paspalina* Cummins, rust, Australia (59, 99, 257), New Caledonia (99); *Ramularia* sp., floury leaf spot, New Caledonia (99);

Sorosporium paspali-thunbergii (Henn.) S. Ito, smut, Australia (99, 142, 257, 299); *Tolyposporidium evernium* (H. Sydow) Thirum. & Neerg., smut, Australia (99); *Uredo paspalina* H. Sydow & Sydow, rust, Australia (99, 144)

***Paspalum paniculatum* L.** (arrocillo, gramilla, paja brava)

Magnaporthe grisea (Herbert) M. E. Barr, leaf spot, Mauritius (207, 306); *Phyllachora microspora* Chardón, tar spot, Colombia (49, 202), Venezuela (50, 278); *Phyllachora molinae* Chardón, tar spot, Colombia (49, 202), Dominican Republic (50), Venezuela (278); *Physopella compressa* (Mains) Cummins & Ramachar, rust, Bolivia, Brazil, Panama, Puerto Rico, Trinidad (281), Venezuela (121, 278); *Puccinia dolosa* Arthur & Fromme var. *dolosa*, rust, Grenada (21), Mexico, Panama, Puerto Rico (281), Trinidad & Tobago (22), USA (281), Venezuela (121, 278); *P. levis* (Sacc. & Bizz.) Magnus, rust, Venezuela (99); *P. substriata* Ell. & Barth., rust, Bolivia (76), Colombia (49, 125, 202), Cuba (99), Jamaica (62, 99, 146), Mexico, Puerto Rico, Trinidad, USA, Virgin Islands, West Indies (281); *P. tubulosa* (Pat. & Guillierm.) Arthur, rust, Colombia (49, 125), Venezuela (50); *Tilletia ulei* Schröter, smut, Colombia (49)

***Paspalum pilosum* Lam.**

Myriogenospora atramentosa (Berk. & M. A. Curtis) Diehl, crazy top, Trinidad (99); *Phyllachora microspora* Chardón, tar spot, Venezuela (50, 278); *Puccinia levis* (Sacc. & Bizz.) Magnus, rust, Brazil (147), Colombia (49, 125), Trinidad & Tobago (22, 99); *Uredo* sp., rust, Brazil (99)

***Paspalum plicatulum* Michaux** (brownseed paspalum, gramalotillo)

Alternaria sp., leaf spot, USA (75); *Cerebella andropogonis* Ces., false smut, Puerto Rico, Virgin Islands (281); *Claviceps paspali* F. L. Stev. & Hall, ergot, Australia, Mexico (1), Puerto Rico (281, 285), USA, West Indies (281); *Colletotrichum graminicola* (Ces.) Wilson, anthracnose, Puerto Rico, Virgin Islands (281); *Fusarium heterosporum* Fr., head blight, Puerto Rico (281); *Magnaporthe grisea* (Herbert) M. E. Barr, leaf spot, USA (75); *Physoderma paspalidii* Thirum. & Pavgi, leaf spot, Puerto Rico (281, 285); *Physopella compressa* (Mains) Cummins & Ramachar, rust, Bolivia, Brazil (281), Dominican Republic, Jamaica (99), Panama, Puerto Rico, Trinidad (281), Venezuela (121, 278); *Phyllachora paspalicola* Henn., tar spot, Trinidad & Tobago (22); *P. guianensis* F. L. Stev., tar spot, Colombia (49); *Puccinia dolosa* Arthur & Fromme, rust, Mexico, Panama, Puerto Rico, USA (281); *P. levis* (Sacc. & Bizz.) Magnus, rust, Mexico (281), Puerto Rico (281, 285), USA, Virgin Islands, West Indies (281); *Sphacelotheca paspali-notati* (Henn.) Clint., rust, Colombia (49)

***Paspalum polystachyum* R. Br.**

Uredo sp., rust, Tanzania (99)

***Paspalum prostratum* Scribn. & Merr.**

Puccinia atra Dietel & Holway, rust, Colombia (49, 125); *P. pseudoatra* Dietel & Holway, rust, Bolivia (76)

***Paspalum pulchellum* Kunth**

Phyllachora acutispora Speg., tar spot, Guyana, Trinidad (99)

***Paspalum pumilum* Nees**

Cladosporium sp., inflorescence mould, Trinidad & Tobago (99)

***Paspalum quadrifarium* Lam.**

Claviceps queenslandica Langdon, ergot, England (235)

Paspalum remotum* RemyPuccinia substriata* Ell. & Barth., rust, Bolivia (76)***Paspalum sanguinale* var. *ciliare* Hook. f.***Cerebella inquinans* (Berk. & Broome) Petch, false smut, Bengal (3)***Paspalum scrobiculatum* L. (Kodo millet, ditch millet, escrobic, mijo koda)**

Balansia pallida Winter, false smut, Papua New Guinea (250), Sierra Leone, Zimbabwe, Zambia (99); *B. sclerotica* (Pat.) Höhnelt, false smut, Japan (99); *Cerebella andropogonis* Ces., false smut, Malaysia (99), Papua New Guinea (250); *Cerebella inquinans* (Berk. & Broome) Sacc., false smut, Australia (140), Burma (232); *Claviceps paspali* F. L. Stev. & Hall, ergot, India (75, 231); *Cochliobolus heterostrophus* (Drechs.) Drechs., leaf blight, India (235); *C. pallescens* (Tsuda & Ueyama) Sivan., leaf spot, India (99); *C. victoriae* Nelson, leaf spot, India (187); *Ephelis* sp., inflorescence blight, Australia (299); *Fusarium heterosporum* Fr., head blight, seed associate and seedling blight, Malaysia (99, 133, 261); *F. scirpi* Fautr. & Lamb., not stated, Malaysia (99); *Fusarium* sp., seed associate, Malaysia (99), Papua New Guinea (250); *Magnaporthe grisea* (Herbert) M. E. Barr, Nepal, Sierra Leone (99); *Phoma glomerata* (Corda) Wollenw. & Hochapf., leaf spot, India (99); *Phomopsis paspali* Deshmukh, Kanitkan & Pendse, leaf spot, India (99); *Phyllachora paspalicola* Henn., tar spot, South Africa (211), Papua New Guinea (211, 250), *P. winkleri* H. Sydow & Sydow, tar spot, Sri Lanka, Tanzania (280); *Puccinia dolasoides* Cummins, rust, Malawi (26, 99); Sierra Leone (99); *P. levis* (Sacc. & Bizz.) Magnus, rust, USA (75); *P. substriata* Ell. & Barth., rust, Burma (99), India (231); *Sorosporium paspali* McAlp., smut, India (193); *S. paspali-thunbergii* (Henn.) S. Ito, rust, China, Nigeria, Zambia (99); *Sphacelia* sp., ergot, Sierra Leone (99); *Tilletia ulei* Schröter, smut, Brazil (280); *Uredo paspali* Pandotra, rust, India (99); *U. paspalina* H. Sydow & Sydow, rust, Philippines (280); *U. paspali-scrobiculati* H. Sydow & Sydow, rust, India, Sri Lanka (280); *Uredo* sp., rust, Mauritius (99)

Paspalum secans* Hitchc. & ChaseFusarium heterosporum* Fr., head blight, Puerto Rico (281); *Phaeoseptoria* sp., sheath spot, Brazil (99, 147)***Paspalum stamineum* Nash***Phyllachora paspalicola* Henn., tar spot, USA (211)***Paspalum thunbergii* Steud.***Cladosporium* sp., inflorescence mould, Hong Kong (99)***Paspalum unispicatum* (Scribn. & Merr.) Nash***Fusarium* sp., wilt, Venezuela (278); *Helminthosporium* sp., leaf spot, Venezuela (278)***Paspalum urvillei* Steud. (Vasey grass)***Claviceps paspali* F. L. Stev. & Hall, ergot, Australia (235, 257); *Colletotrichum cereale* Manns, anthracnose, Australia (235); *Puccinia levis* (Sacc. & Bizz.) Magnus, rust, Argentina (99)***Paspalum vaginatum* L. (seashore grass, grama de mar, hierba de aluvion)***Phyllachora cornispora* Atk., tar spot, Nicaragua (169)***Paspalum virgatum* L. (bull paspalum, cortadero, cabezona)***Ascochyta digraphidis* Polosa, leaf spot, USA (228); *A. leptospora* (Trail) Hara var. *major* Punith.,

leaf spot, USA (228); *A. missouriensis* Sprague & Johnson, leaf spot, USA (228); *Claviceps* sp., ergot, Puerto Rico (285); *Fusarium graminearum* Corda, wilt, Costa Rica, Panama (279); *Phyllachora cornispora* Atk., tar spot, Nicaragua (169), Puerto Rico (285), Trinidad & Tobago (22); *P. guianensis* F. L. Stev., tar spot, Colombia (49), Grenada (21), Trinidad & Tobago (22), Venezuela (50, 278); *P. infuscans* Winter, tar spot, Tobago (211); *P. minutissima* (Welw. & Currey) Sm., tar spot, Puerto Rico (211); *P. paspalicola* Henn., tar spot, Trinidad & Tobago (22, 211); *P. punctum* (Schwein.) C. R. Ort. & Stevenson, tar spot, Dominican Republic, Puerto Rico, Virgin Islands, West Indies (281); *Physopella compressa* (Mains) Cummins & Ramachar, rust, Bolivia (76); *Puccinia huberi* Henn., rust, Brazil (256); *P. substriata* Ell. & Barth. var. *substriata*, rust, Mexico, Puerto Rico, Trinidad, USA, Virgin Islands, West Indies (281); *Ustilago schroeteriana* Henn., smut, Guyana (99)

***Paspalum* sp.**

Balansia paspali Henn., false smut, Papua New Guinea (250); *Cercospora fuscimaculans* Atk., leaf spot, Malawi (307); *Cerebella andropogonis* Ces., false smut, Papua New Guinea (99, 250); *Claviceps lutea* A. Moll., ergot, Brasil (256); *C. paspali* F. L. Stev. & Hall, ergot, El Salvador (57, 282), Papua New Guinea (250), Zambia (238); *Cochliobolus carbonum* Nelson, seed associate, Denmark (99); *C. victoriae* Nelson, leaf spot, USA (235); *Colletotrichum graminicola* (Ces.) Wilson, anthracnose, USA (235); *Curvularia* sp., leaf spot, USA (235); *Ephelis japonica* Henn., mildew, Sierra Leone (99); *Fusarium longipes* Wollenw. & Reink., not stated, India (99); *F. oxysporum* Schlecht., not stated, India (99); *Fusarium* sp., seed associate/pink head, Papua New Guinea (250), Puerto Rico (281); *Magnaporthe grisea* (Herbert) M. E. Barr, leaf spot, Brazil (233), Mauritius (99); *Myriogenospora atramentosa* (Berk. & M. A. Curtis) Diehl, crazy top, USA (174); *Myriogenospora* sp., tangle top, USA (69); *Periconia lateralis* Ell. & Everh., leaf spot, Venezuela (99); *Phyllachora acuminata* Starb., tar spot, Argentina (211); *P. apiculata* Speg., tar spot, Brazil (256); *P. infuscans* Winter, tar spot, Brazil (211, 256); *P. oxyspora* Starb., tar spot, Brazil (256); *P. paspalicola* Henn., tar spot, Brazil (211); *Physoderma* sp., leaf spot, Philippines (99); *Puccinia chaetochloae* Arthur, rust, Jamaica (99); *P. dolosoides* Cummins, rust, Sierra Leone (59); *P. levis* (Sacc. & Bizz.) Magnus, rust, Costa Rica, Venezuela (99); *P. maublancii* Rangel, rust, Brazil (256); *P. paspalina* Cummins, rust, India (99); *P. pilgeriana* Henn., rust, Brazil (256); *P. substriata* Ell. & Barth. var. *substriata*, rust, Trinidad & Tobago (22); *Pyrenophora semeniperda* (Brittleb. & Adam) Shoem., leaf spot, Australia (299); *Ramularia* sp., floury leaf spot, Uganda (99); *Setosphaeria turcica* (Luttr.) Leonard & Suggs, leaf spot, French Guyana (24); *Sorosporium paspali-thunbergii* (Henn.) S. Ito, smut, India, Nigeria (99); *Tilletia rugispora* Ell., bunt, Venezuela (50); *Ustilago microspora* Schröter & Henn. var. *paspalicola* Hirsch., smut, Argentina (235), Brasil (256), Uruguay (235); *U. schroeteriana* Henn., smut, Brazil (256); *U. subnitens* Schröter & Henn., smut, Brazil (256); *U. trichophora* (Link) Kunze, smut, Malawi (307); *U. venezuelana* H. Sydow & Sydow, smut, Malawi (307)

PENNISETUM

***Pennisetum alopecuroides* (L.) Spreng. (swamp foxtail)**

Ephelis sp., false smut, Australia (257, 299); *Phyllachora cornispora* McAlp., tar spot, Australia (257); *P. minutissima* (Welw. & Currey) A. L. Sm., tar spot, Australia (211, 299); *P. pennisetina* H. Sydow, tar spot, China (211); *Sphacelia* sp., ergot, India (231); *Sphacelotheca penniseti-japonici* (Henn.) S. Ito, smut, China (99); *Ustilago penniseti* Rabenh., smut, USA (75)

Pennisetum anchylochaete Stapf & C. E. Hubbard

Tilletia barclayana (Bref.) Sacc. & Sydow, smut, China (99); *Tolyposporium penicillariae* Bref., smut, Nigeria (99)

Pennisetum bambusiformis (Poiret) Hemsl.

Beniowskia sphaeroidea (Kalchbr. & Cooke) Mason, false mildew, Ecuador (99); *Phyllachora minutissima* (Welw. & Currey) A. L. Sm., tar spot, Ecuador (99); *P. pennisetina* H. Sydow, tar spot, Sierra Leone (99); *Puccinia cenchri* Dietel & Holway, rust, Colombia (49, 125)

Pennisetum benthamii Steud.

Meliola panicis Earle, sooty mould, Congo (99); *Phyllachora minutissima* (Welw. & Currey) A. L. Sm., tar spot, Congo (211)

Pennisetum catabasis Stapf & C. E. Hubbard

Phyllachora minutissima (Welw. & Currey) A. L. Sm., tar spot, Ethiopia (99)

Pennisetum cenchroides A. Rich.

Cerebella cenchroides Subram., false smut, India (280); *Puccinia* sp., rust, Kenya (177); *Ustilago penniseti* Rabenh., smut, Ethiopia (280)

Pennisetum chilense (Desv.) Jackson

Puccinia atra Dietel & Holway, rust, Bolivia (76)

Pennisetum clandestinum Chiov. (kikuyu grass, hierba kikuyu, sudan negro)

Acremonium sp., not stated, Zambia (99); *Ascochyta subalpina* Sprague & Johnson f. *penniseti* Punith., leaf blight, New Zealand (99, 228); *Balansia strangulans* (Mont.) Diehl, false smut, USA (99); *Bipolaris cynodontis* (Marig.) Shoem., leaf spot, Australia (299); *B. mediocris* (Putterill) Shoem., leaf blight, Ethiopia, South Africa (99); *B. sacchari* (E. Butler) Shoem., leaf blight, Jamaica (99, 146); *B. sorokiniana* (Sacc.) Shoem., leaf spot, Australia (299); *B. zeae* Sivan., leaf spot, Australia (266); *B. zeicola* (Stout) Shoem., leaf spot, Australia (99, 299); *Bipolaris* sp., leaf spot, Papua New Guinea (250); *Cochliobolus bicolor* Paul & Parbery, leaf spot, Australia, (99, 257, 299), Brazil (99); *C. lunatus* Nelson & Haasis, leaf spot, Zimbabwe (240); *C. nodulosus* Luttr., leaf spot, Kenya (99); *Colletotrichum graminicola* (Ces.) Wilson, leaf spot, Australia (299), Kenya (99); *Coniothyrium fuckelii* Sacc., leaf spot, New Zealand (99); *Curvularia penniseti* (Mitra) Boedjin, leaf spot, Zimbabwe (99); *Curvularia* sp., leaf mould, USA (75); *Exserohilum rostratum* (Drechs.) Leonard & Suggs, zonate leaf spot, Australia (299); *E. turcicum* (Pass.) Leonard & Suggs, leaf spot, USA (75); *Fusarium* sp., brown patch, Zimbabwe (240); *Gaeumannomyces graminis* (Sacc.) v. Arx & Olivier, associated with stolons, Australia (299); *Leptosphaeria narmari* John Walker & A. L. Smith, spring dead patch, Australia (299); *Magnaporthe grisea* (Herbert) M. E. Barr, leaf spot, Australia (299), Nicaragua (169); *M. rhizophila* John Walker & A. L. Smith, associated with stolons, Australia (299); *Phaeoseptoria* sp., sheath spot, Kenya (99); *Phakopsora apoda* (Har. & Pat.) Mains, rust, Australia (99, 299), Kenya (99), USA (75); *Phoma exigua* Desm. var. *exigua*, leaf spot, New Zealand (99, 112); *P. huancaensis* Turkenst., leaf spot, New Zealand (112); *P. macrostoma* Mont. var. *incolorata* (Horne) Boerema & Dorenb., leaf spot, New Zealand (112); *P. medicaginis* Malbr. & Roum., leaf spot, New Zealand (112); *P. paspali* Johnston, leaf spot, New Zealand (112); *P. pomorum* Thüm., leaf spot, New Zealand (112); *P. sorghina* (Sacc.) Boerema, Dorenb. & van Kest., leaf spot, New Zealand (99); *Phoma* sp., leaf spot, New Zealand (99); *Phyllosticta* sp., leaf spot, Ethiopia (99); *Physarum didermoides* Rost., slime mould, Zimbabwe (240); *Pleospora* sp., leaf spot, Zimbabwe (99, 240); *Puccinia cenchri* Dietel & Holway var. *africana* Cummins, rust, Uganda (99); *P. substriata* Ell. & Barth. var. *penicillariae* Ramachar & Cummins,

rust, Australia (99, 299), Ethiopia, Kenya (99); *Pyrenophora semeniperda* (Brittleb. & Adam) Shoem., leaf spot, Australia (99); *Pyricularia penniseti* Prasada & Goyal, leaf spot, Australia (99, 299); *Pyricularia* sp., leaf spot, Australia (99); *Pythium vanterpoolii* V. & H. Kouyeas, seedling blight, Australia (99, 299); *Rhizoctonia solani* Kühn, root rot, leaf spot and dieback, Australia (257, 299); *Sclerophthora macrospora* Sacc., downy mildew, Australia (299); *Sclerotinia homoeocarpa* Bennett, dollar spot, Australia (299); *Verrucalvus flavofaciens* Wong & Dick, kikuyu yellows, Australia (68)

Pennisetum distachyum (Fourn.) Rupr.

Phyllachora chaetochloae F. L. Stev., tar spot, Costa Rica, Panama (279)

Pennisetum divisum (Gmel.) Henr.

Sphacelotheca stewartii Mundk., smut, India (99)

Pennisetum flaccidum Griseb.

Neovossia barclayana Bref., rust, Pakistan (2); *Sphacelotheca pennisetina* Ahmad, smut, Pakistan (2); *S. stewartii* Mundk., smut, India (193); *Uromyces setariae-italicae* Yosh., rust, India (99)

Pennisetum gracile Benth.

Phyllachora pennisetina H. Sydow, tar spot, Sierra Leone (99)

Pennisetum hohenackeri Steud.

Beniowskia graminis Racib., false mildew, India (231); *Claviceps* sp., ergot, India (231); *Phyllachora paspalicola* Henn., tar spot, India (211); *Tilletia barclayana* (Bref.) Sacc. & Sydow, smut, India (99); *T. pennisetina* H. Sydow, smut, India (193)

Pennisetum hordeoides (Lam.) Steud.

Cercospora fusimaculans Atk., leaf spot, Guinea (99); *Cerebella andropogonis* Ces., false smut, Sierra Leone (99); *Monilia* sp., wilt, Sierra Leone (99); *Sphacelia* sp., ergot, Sierra Leone (99)

Pennisetum lanatum Klotzsch

Uromyces penniseti Ahmad, rust, Pakistan (99)

Pennisetum leonis Stapf & C. E. Hubbard

Magnaporthe grisea (Herbert) M. E. Barr, leaf spot, Sierra Leone (99); *Puccinia substriata* Ell. & Barth. var. *penicillariae* Ramachar & Cummins, rust, Sierra Leone (99); *Sclerospora graminicola* (Sacc.) Schröter, downy mildew, Sierra Leone (99); *Tolyposporium senegalense* Speg., smut, Nigeria, Sierra Leone (99)

Pennisetum macrourum Trin.

Claviceps purpurea (Fr.) Tul., ergot, South Africa (38); *Phyllachora minutissima* (Welw. & Currey) A. L. Sm., tar spot, Kenya (99), South Africa (211)

Pennisetum mutilatum Kuntze

Puccinia levis (Sacc. & Bizz.) Magnus, rust, Bolivia (76)

Pennisetum orientale A. Rich.

Phyllachora minutissima (Welw. & Currey) A. L. Sm., tar spot, Pakistan (99); *P. pennisetina* H. Sydow, tar spot, Pakistan (99); *Tilletia barclayana* (Bref.) Sacc. & Sydow, smut, India (99, 193)

***Pennisetum parviflorum* Trin.**

Phakopsora apoda (Har. & Pat.) Mains, rust, India (99)

***Pennisetum pedicellatum* Trin. (annual kyasuwa grass, deenabandy grass)**

Cercospora fusimaculans Atk., leaf spot, Sudan (99); *Cochliobolus pallescens* (Tsuda & Ueyama) Sivan., foliar blight, Malaysia (99); *Magnaporthe grisea* (Herbert) E. M. Barr, leaf spot, Australia (299); *Monilia* sp., wilt, Ghana (99); *Phakopsora apoda* (Har. & Pat.) Mains, rust, Ghana, Sudan (99); *Phyllachora paspalicola* Henn., tar spot, Sudan, Trinidad (211); *P. pennisetina* H. Sydow, tar spot, Sudan (99); *Puccinia gymnotrichis* Henn., rust, Trinidad (22, 99); *P. substriata* Ell. & Barth. var. *penicillariae* Ramachar & Cummins, rust, Guinea, Sudan (99); *Ramulispora alloteropsis* Thirum. & Narasimh., leaf spot, Ghana (99); *Sphacelia* sp., ergot, Guinea (99); *Uredo* sp., rust, Australia (99)

***Pennisetum peruvianum* Trin.**

Puccinia atra Dietel & Holway rust, Central America, Bolivia, Brasil, Mexico (121), Venezuela (278)

***Pennisetum polystachion* (L.) Schult. (thin napier grass, mission grass)**

Beniowskia sphaeroidea (Kalchbr. & Cooke) Mason, false mildew, Kenya (99); *Bipolaris papendorffii* (van der Aa) Alcorn, leaf blight, India (99); *Cercospora fusimaculans* Atk., leaf spot, Guinea (99); *Cerebella andropogonis* Ces., false smut, Ghana (97), Sierra Leone (99), Tanzania (72), Zimbabwe (240); *Cochliobolus pallescens* (Tsuda & Ueyama) Sivan., foliar blight, Nigeria (99); *Fusarium herbarum* (Corda) Fr., not stated, Sierra Leone (99); *Phakopsora apoda* (Har. & Pat.) Mains, rust, Malawi (26), Nigeria (99), Tanzania (72, 99); *Phyllachora pennisetina* H. Sydow, tar spot, Ghana (97, 99), Guinea, Nigeria, Sierra Leone, Tanzania (99); *Puccinia chaetochloae* Arthur, rust, Zambia (99); *P. substriata* Ell. & Barth. var. *penicillariae* Ramachar & Cummins, rust, Ghana, Guinea, Sierra Leone, Sudan, Uganda (99); *Ramulispora alloteropsis* Thirum. & Narasimh., floury leaf spot, Nigeria (99); *Sphacelotheca penniseti* (Rabenh.) Reichert, smut, Malawi (99)

***Pennisetum preslii* Steud.**

Puccinia gymnotrichis Henn., rust, Bolivia (76)

***Pennisetum purpureum* Schumach. (elephant grass, napier grass, falsa caña de azúcar, pasto elefante)**

Acremonium album Preuss, not stated, Tanzania (72, 99); *Alternaria tenuissima* (Kunze) Wiltsh., leaf spot, Kenya (99), Zimbabwe (240); *Balansia claviceps* Speg., false smut, Puerto Rico, West Indies (281); *Beniowskia sphaeroidea* (Kalchbr. & Cooke) Mason, false mildew, Kenya (99), Malawi (55, 99), Mauritius, Tanzania (99, 301), Uganda (99, 280), Zimbabwe (95, 99, 240); *Bipolaris sacchari* (E. Butler) Shoem., leaf blight, Jamaica (99), USA (75); *Cercospora fusimaculans* Atk., leaf spot, Australia (299), Kenya (197), Zambia (99, 238); *C. penniseti* Chupp, leaf spot, Malawi (219); *C. sorghi* Ell. & Everh., leaf spot, Kenya (197); *Cercospora* sp., leaf spot, Malawi (55, 99), Zambia (99, 238), Zimbabwe (99); *Cochliobolus cynodontis* Nelson, leaf spot, Malaysia, Trinidad (99); *C. eragrostidis* (Tsuda & Ueyama) Sivan., leaf spot, Malaysia (99, 133); *C. heterostrophus* (Drechs.) Drechsl., leaf spot, French Guyana (24); *C. intermedius* Nelson, leaf spot, Malaysia (99); *C. lunatus* Nelson & Haasis, foliar blight, Malaysia (99, 133); *C. pallescens* (Tsuda & Ueyama) Sivan., foliar blight, Malaysia (99); *Colletotrichum graminicola* (Ces.) Wilson, anthracnose, Brazil (99); *Coniothyrium fuckelii* Sacc., leaf spot, Peru (99); *Curvularia leonensis* M. B. Ellis, leaf spot, Malaysia (111); *Curvularia* sp., leaf spot, Colombia (147), India (99); *Didymosphaeria panici* Hansf., leaf blight, Kenya (99, 197), Tanzania, Uganda (99); *Drechslera graminea* (Schlecht.) Shoem., leaf spot, USA (75); *D. hawaiiensis* M. B. Ellis, leaf spot, French Guyana (24); *D. poae*

(Baudys) Shoem., leaf spot, Colombia (147); *D. sacchari* E. Butler, eyespot, Jamaica (146), Puerto Rico (285); *Drechslera* sp., leaf spot, Malawi (99); *Ephelis japonica* Henn., false smut, Puerto Rico (281); *Fusarium equiseti* (Corda) Sacc., not stated, Malaysia (99); *Fusarium* sp., not stated, Uganda (99); *Fusicladium* sp., leaf mould, Nicaragua (169); *Gloeocercospora sorghi* Deighton, zonate leaf spot, Tanzania (239, 301); *Helminthosporium ocellum* Faris, leaf spot, Malaysia (261); *Helminthosporium* sp., leaf spot, Guadalupe (217), St. Kitts & Nevis, St. Vincent, Trinidad & Tobago (20); *Khuskia oryzae* Hudson, leaf spot, Kenya (99), Tanzania (99, 239); *Leptosphaeria penniseticola* Deighton, leaf spot, Sierra Leone (99); *Leptosphaerulina trifolii* (Rostrup) Petrak, leaf spot, Trinidad (99); *Magnaporthe grisea* (Herbert) M. E. Barr, gray spot, Colombia (147), Kenya (99, 197), Papua New Guinea (250), Puerto Rico (281, 285), Tanzania (99), Venezuela (180); *Mycosphaerella* sp., leaf spot, Kenya (99, 206); *Myrothecium gramineum* Lib., leaf spot, Togo (99); *Nigrospora sphaerica* (Sacc.) Mason, leaf spot, Malaysia (99), Tanzania (72, 99); *Nigrospora* sp., leaf spot, Cambodia (168); *Periconia sacchari* Johnston, leaf spot, Togo (99); *Phaeocystostroma sacchari* B. Sutton var. *penniseti* B. Sutton, sheath blight, Zambia (99); *Phoma sorghina* (Sacc.) Boerema, Dorenb. & van Kest., leaf spot, Malaysia (99); *Phyllachora minutissima* (Welw. & Currey) A. L. Sm., tar spot, Malawi (211, 219); *P. pennisetina* H. Sydow, tar spot, Ghana (97, 99, 211), Guinea, India (99), Malawi (99, 307), Nigeria, Sierra Leone, Sudan (99), Tanzania (99, 239), Uganda (99); *Phyllachora* sp., tar spot, Malawi (219, 307); *Phyllosticta healdii* Sprague, leaf spot, Kenya (99); *P. penicillariae* Speg., leaf spot, Uganda (99); *Phyllosticta* sp., leaf spot, Malawi (99, 219, 307), USA (75), Zimbabwe (240); *Puccinia chaetochloae* Arthur, rust, Mauritius (99, 207); *P. penniseti* Zimmerm., rust, Malawi, (26, 307); *P. substriata* Ell. & Barth. var. *penicillariae* Ramachar & Cummins, rust, Ghana (99), Malawi (99, 219), Tanzania, Venezuela (99); *P. stenotaphri* Cummins, rust, USA (75); *Pyricularia didyma* M. B. Ellis, leaf spot, Cuba, Venezuela (99); *Pyricularia* sp., gray spot, Colombia (147), Malaysia (261); *Ramulispora alloteropsis* Thirum. & Narasimh., leaf spot, Malawi, Nigeria, Sudan Tanzania (99); *Sclerophthora macrospora* Sacc., downy mildew, Australia (257, 299); *Sclerospora graminicola* (Sacc.) Schröter, downy mildew, India (231); *Septoria penniseti* Gonz. Frag. & Cif., leaf spot, Uganda (99); *Septoria* sp., leaf spot, Malaysia (99, 133) Tanzania (99); *Sphacelia* sp., ergot, Uganda (99); *Tolyposporium penicilliae* Bref., smut, Zimbabwe (240); *Trichonectria* sp., canker, Togo (99); *Ustilago kamerunensis* H. Sydow, smut, Rwanda, Tanzania, Uganda (99)

Pennisetum ramosum (Hochst.) Schweinf.

Sorosporium penniseti Mundk., smut, Tanzania (72, 99); *Sphacelotheca penniseti* (Rabenh.) Reichert, smut, Ethiopia (99)

Pennisetum salifex Stapf & C. E. Hubbard

Beniowskia sphaeroides (Kalchbr. & Cooke) Mason, false mildew, Tanzania (99, 239); *Drechslera* sp., leaf spot, Tanzania (99)

Pennisetum schimperi A. Rich.

Phyllachora minutissima (Welw. & Currey) A. L. Smith, tar spot, Ethiopia (99), Kenya (99, 197)

Pennisetum setosum (Sw.) Rich. (feathery pennisetum, elefante brasileño, pasto elefante del Brasil)

Cerebella andropogonis Ces., false smut, Ghana (99); *Puccinia apoda* Har. & Pat., rust, Congo (280); *P. chaetochloae* (Arthur) Arthur, rust, St. Vincent (21); *Puccinia gymnotrichis* Henn., rust, Bolivia (76), St. Vincent (99), Trinidad & Tobago (22, 99); *P. substriata* Ell. & Barth. var. *penicillariae* Ramachar & Cummins, rust, Sierra Leone (99); *Uredo* sp., rust, Sierra Leone (99)

Pennisetum sphacelatum (Nees) Th. Dur. & Schinz.

Phyllachora minutissima (Welw. & Currey) A. L. Sm., tar spot, South Africa (211)

***Pennisetum spicatum* (L.) Koern.**

Hendersonia culmicola Sacc., leaf spot, Malaysia (99); *Puccinia penniseti* Zimmerm., rust, Zimbabwe (95); *P. substriata* Ell. & Barth. var. *penicillariae* Ramachar & Cummins, rust, Uganda (99); *Sclerospora graminicola* (Sacc.) Schröter, downy mildew, Zimbabwe (95); *Setosphaeria rostrata* Leonard, foliar blight, Zimbabwe (99); *Tolyposporium penicillariae* Bref., smut, Uganda (99)

***Pennisetum squamulatum* Fresen.**

Puccinia penicillariae Speg., rust, Kenya (197); *P. substriata* Ell. & Barth. var. *penicillariae* Ramachar & Cummins, rust, Kenya (99)

***Pennisetum stramineum* Peter**

Puccinia penicillariae Speg., rust, Kenya (197); *P. substriata* Ell. & Barth., rust, Burma (99); *P. substriata* Ell. & Barth. var. *penicillariae* Ramachar & Cummins, rust, Kenya (99)

***Pennisetum subangustatum* (Schumach.) Stapf & C. E. Hubbard**

Cercospora fusimaculans Atk., leaf spot, Guinea (99); *Cochliobolus lunatus* Nelson & Haasis, foliar blight, Guinea (99); *Myrothecium gramineum* Lib., stem lesions, Sierra Leone (99); *Phyllachora pennisetina* H. Sydow, tar spot, Ghana, Guinea, Sierra Leone, Sudan (99); *Puccinia substriata* Ell. & Barth. var. *penicillariae* Ramachar & Cummins, rust, Sierra Leone (99); *Puccinia* sp., rust, Sierra Leone (99); *Sphacelia* sp., ergot, Sierra Leone (99)

***Pennisetum thunbergii* Kunth**

Sphacelia sp., ergot, Hong Kong (99)

***Pennisetum trachyphyllum* Pilger**

Fusarium scirpi Lamb. & Fautrey var. *acuminatum* (Ell. & Everh.) Wollenw., not stated, Kenya (99, 197); *Fusarium* sp., not stated, Uganda (99)

***Pennisetum trisetum* Leeke**

Phyllachora minutissima (Welw. & Currey) A. L. Sm., tar spot, Ethiopia (99)

***Pennisetum tristachyum* (HBK) Spreng.**

Didymella penniseti Sydow, leaf spot, Colombia (49, 280)

***Pennisetum typhoides* (Burm. f.) Stapf & C. E. Hubbard** (syn. *P. americanum*, *P. glaucum* L., *P. spicatum* R. & S., *P. typhoideum* L.) (bulrush millet, pearl millet, african millet, babala, millo perla, pasto italiano)

Acremonium strictum W. Gams, stalk rot, India (99); *Alternaria alternata* (Fr.) Keissler, India, Malawi, Sudan (99); *A. longissima* Deighton & MacGarvie, leaf spot, Ethiopia (99); *A. tenuissima* (Pers.) Wiltsh., leaf spot, Pakistan (99); *Alternaria* sp., leaf spot, Australia (299), Nigeria (99); *Ascochyta subalpina* Sprague & Johnson f. *penniseti* Punith., leaf spot, New Zealand (99); *Beniowskia sphaeroidea* (Kalchbr. & Cooke) Mason, false mildew, Ethiopia, Zambia (99), Zimbabwe (99, 240); *Bipolaris colocasiae* (Tandon & Bhargava) Alcorn, leaf spot, India (99); *B. indica* Rai, Wadhvani & Tewari, leaf spot, India (99); *B. mediocris* (Putterill) Shoem., leaf blight, Guinea (99); *B. papendorfii* (van der Aa) Alcorn, leaf spot, India (99); *B. setariae* (Saw.) Shoem., leaf spot, USA (309); *B. urochloae* (Putterill) Shoem., leaf spot, Pakistan, Zimbabwe (99); *B. zea* Sivan., leaf spot, Brazil (99, 266), India (99, 266); *Bipolaris* sp., leaf spot, Malawi (99); *Botryodiplodia theobromae* Pat., root rot, India (99); *Calonectria* sp., dieback, Nigeria (99); *Cercospora fusimaculans* Atk., leaf spot, Zambia (238); *C. penniseti* Chupp, leaf spot, India, USA

(99); *C. sorghi* Ell. & Everh., leaf spot, India, Nigeria Malawi (99); *Cercospora* sp., leaf spot, Australia (257, 299), Malawi (99); *Cerebella andropogonis* Ces., false smut, Ghana (97, 99), Kenya, Nigeria, Sudan, Tanzania (99), Zimbabwe (99, 240); *Cladosporium cladosporioides* (Fresen.) de Vries, inflorescence blight, India (99); *C. herbarum* (Pers.) Gray, inflorescence blight, Ethiopia, Malawi, Sudan (99); *C. oxysporum* Berk. & M. A. Curtis, inflorescence blight, India (99); *Cladosporium* sp., inflorescence blight, Sudan (99); *Claviceps fusiformis* Loveless, ergot, Ghana (99), India (99, 317), Nigeria, Tanzania, Zambia, Zimbabwe (99); *C. microcephala* (Wallr.) Tul., ergot, India (99); *C. typhoides* Sulaiman, Lukade & Dawkhar, ergot, India (99); *Claviceps* sp., ergot, India, Nigeria (99, 235), Zambia (99, 238), Zimbabwe (99); *Cochliobolus australiensis* Alcorn, leaf spot, India (99); *C. bicolor* Paul & Parbery, leaf spot and seed associate, India (99, 235), Zimbabwe (240); *C. cynodontis* Nelson, seed associate, Sudan (99); *C. hawaiiensis* Alcorn, leaf spot and seed associate, India, Pakistan (99, 235); *C. lunatus* Nelson & Haasis, ear blight, seed rot, India, USA (99, 235); *C. pallescens* (Tsuda & Ueyama) Sivan., leaf spot, India (138); *C. sativus* (S. Ito & Kuribay.) Dastur, leaf spot, Sudan (99); *C. spicifer* Nelson, leaf spot, India (99); *C. verruculosus* (Tsuda & Ueyama) Sivan., foliar blight, India (99); *Colletotrichum graminicola* (Ces.) Wilson, anthracnose, India, Nepal (99); *Colletotrichum* sp., leaf spot, Ghana (99), Zimbabwe (240); *Corticium rolfsii* Curzi, southern blight, USA (75); *Corynespora cassiicola* (Berk. & M. A. Curtis) Wei, leaf spot, India (99); *Curvularia affinis* Boedijn, leaf spot, India (99); *C. clavata* B. L. Jain, leaf spot, India (99); *C. fallax* Boedijn, leaf spot, India (99); *C. oryzae* Bugnic., seed associate, Denmark (99); *C. ovoidea* (Hiroe & Watan.) Muntañola, leaf spot, India (99); *C. penniseti* (Mitra) Boedijn, leaf spot, India, Malawi (99), Pakistan (99, 127); *C. prasadii* R. L. & B. L. Mathur, leaf spot, India (99); *Curvularia* sp., leaf spot, India (99), USA (75); *Drechslera maydis* (Nisik.) Subram., leaf blight, India (99); *D. sacchari* (E. Butler) Subram., leaf spot, USA (75, 235); *D. stenospila* (Drechs.) Subram. & Jain, leaf spot, USA (235); *Drechslera* sp., leaf spot, India, Sudan (99); *F. acuminatum* Ell. & Everh., not stated, India (99); *Fusarium chlamydosporum* Wollenw. & Reink., not stated, India (99); *F. diversisporum* Sherb., not stated, India (99); *F. equiseti* (Corda) Sacc., not stated, India (99); *F. longipes* Wollenw. & Reink., not stated, India (99); *F. moniliforme* Sheldon, head mould, seedling blight, Australia (299), India (99, 233), Nigeria (99), USA (75); *F. moniliforme* var. *subglutinans* Wollenw. & Reink., root rot and wilt, India (99); *F. oxysporum* Schlecht., not stated, India (99); *F. pallidoroseum* (Cooke) Sacc., not stated, India (99); *Fusarium* sp., seed associate/inflorescence blight and leaf blight, India, Malawi, Nigeria (99), Tanzania (72, 99), Zambia (99); *Gaeumannomyces graminis* (Sacc.) v. Arx & Olivier, sheath rot, India, Nigeria (99); *Gloeocercospora sorghi* Deighton, zonate leaf spot, Cameroon, Chad, Niger (99), Tanzania (239), USA (75), Zambia (238), Zimbabwe (240); *Glomerella cingulata* (Stonem.) Spauld. & Schrenk, anthracnose, India (99); *Helminthosporium* sp., leaf blight, Tanzania (239); *Khuskia oryzae* Hudson, leaf spot, India, Sudan (99); *Macrophomina phaseolina* (Tassi) Goid., charcoal rot, Australia (299), Nigeria, Pakistan (99); *Magnaporthe grisea* (Herbert) M. E. Barr, leaf spot, Gambia, Ghana, India, Malaysia, Nigeria, Niger, Sudan (99), USA (309); *Mycosphaerella* sp., leaf spot, Zambia (99); *Nectria rigidiuscula* (Berk. & Broome) Sacc., dieback, India (99); *Neocosmospora vasinfecta* E. F. Smith, wilt, India (99); *Nigrospora sacchari* (Speg.) Mason, leaf spot, Trinidad & Tobago (22); *Periconia saraswatipurensis* Bilgrami, leaf spot, India (99); *Phaeoseptoria* sp., sheath spot, not stated (99); *Phoma glomerata* (Corda) Wollenw. & Hochapf., leaf spot, India (99); *P. sorghina* (Sacc.) Boerema, Dorenb. & van Kest., leaf spot, Ethiopia, India, Nigeria (99); *Phoma* sp., leaf spot, Nigeria, Togo (99); *Physalospora sorghiphila* Sacc., leaf spot, Zambia (99); *Physarum pusillum* Lister, slime mould, Nigeria (99); *Phyllachora minutissima* (Welw. & Currey) A. L. Sm., tar spot, Malawi (99, 211), Nigeria, Tanzania (99); *P. pennisetina* H. Sydow, tar spot, Tanzania (239); *Plasmopara penniseti* Kenneth & Kranz, downy mildew, Ethiopia (119); *Puccinia penicillariae* Speg. var. *indica* Ramachar & Cummins, rust, Pakistan (127); *P. pennisetina* Zimmerm., rust, Egypt (34), Ghana (97), India (231), Malawi (26), Sudan (99), Tanzania (239); *P. purpurea* Cooke, rust, Tanzania, Yemen (99); *P. stenotaphri* Cummins, rust, India (99); *P.*

substriata Ell. & Barth. var. *penicillariae* Ramachar & Cummins, rust, Ghana, India, Kenya, Malawi, Nepal, Nigeria, Pakistan, Sudan, Tanzania, Togo, Uganda (99), USA (75), Yemen, Zambia, Zimbabwe (240); *P. substriata* var. *indica* Ramachar & Cummins, rust, USA (75, 309); *Puccinia* sp., rust, India (99); *Pyrenochaeta penniseti* Kranz, leaf spot, India, Nigeria (99); *Pyricularia penniseti* Prasada & Goyal, leaf spot, India (99); *Pyricularia* sp., leaf spot, Colombia (147); *Ramulispora* sp., leaf spot, Malawi, Niger, Nigeria (99); *Rhizoctonia solani* Kühn, root rot, India (99), USA (75); *Rhizopus microsporus* v. Tieghem, inflorescence blight, India (99); *Sclerospora graminicola* (Sacc.) Schröter, downy mildew, Egypt (34), Gambia, India (99, 231, 235), Malawi (99), Nigeria (99, 304) Pakistan (99, 127), Sierra Leone (99), Sudan (99, 304), Tanzania, Zambia, Zimbabwe (99, 240), Yemen (99); *S. sorghi* (Kulk.) Western & Uppal, downy mildew, South Africa (305); *Septoria* sp., leaf spot, Ethiopia (99); *Setosphaeria rostrata* Leonard, foliar blight, India (99), USA (235), Zambia (99); *S. turcica* (Luttr.) Leonard & Suggs, leaf spot, India (99); *Sphacelotheca cruenta* (Kühn) Potter, smut, Nigeria (304); *S. sorghi* (Link) Clinton, smut, Nigeria (304); *Sphacelia* sp., ergot, Nigeria, Sierra Leone, Sudan, Uganda (99), Tanzania (99, 239); *Sporidesmium bambusae* M. B. Ellis, leaf spot, India (99); *S. leptospermum* (Sacc. & Roum.) Hughes, leaf spot, India (99); *Tilletia ajrekarii* Mundk., smut, India (193); *Tolysporium ehrenbergii* (Kühn) Pat., smut, Sudan (99); *T. penicillariae* Bref., smut, Australia (99, 299), Botswana, Burma (99), Egypt (34), Gambia, Ghana, India (99, 231, 235), Malawi, Nigeria, Pakistan (2, 99, 127), Sudan (34, 99), Tanzania (99, 239), USA (235), Zambia (99, 238), Zimbabwe (240); *T. senegalense* Speg., smut, India (99, 193), Nigeria (99)

***Pennisetum* sp.**

Beniowskia sphaeroides (Kalchbr. & Cooke) Mason, false mildew, Ethiopia (99), Malawi (307), Uganda (99); *Cochliobolus pallescens* (Tsuda & Ueyama) Sivan., seed associate, Denmark (99); *C. tuberculatus* Sivan., seed associate, Denmark (99); *Fusarium* sp., head mould, USA (235); *Helminthosporium* sp., leaf spot, Malawi (307); *Magnaporthe grisea* (Herbert) M. E. Barr, leaf spot, Australia (299); *Phakopsora apoda* (Har. & Pat.) Mains, rust, Malawi (99, 307), Sudan (99); *Phyllachora minutissima* (Welw. & Currey) A. L. Sm., tar spot, Angola (211), Ethiopia, Pakistan, Sudan (99); *Phyllosticta penicillariae* Speg., leaf spot, Iraq (99); *Phyllosticta* sp., leaf spot, Malawi, Nepal, Sudan, Zimbabwe (99); *Pleospora* sp., leaf spot, Pakistan (99); *Puccinia chaetochloae* Arthur, rust, Guinea (99); *P. substriata* Ell. & Barth. var. *penicillariae* Ramachar & Cummins, rust, Ghana, Sudan, Uganda (99); *Ramulispora alloteropsis* Thirum. & Narasimh., leaf spot, Ghana, Sudan (99); *Sclerospora graminicola* (Sacc.) Schröter, smut, Ghana (99), Tanzania (99, 239); *Setosphaeria rostrata* Leonard, foliar blight, India (99); *Sphacelotheca pamparum* (Speg.) Clinton, smut, USA (235); *S. stewartii* Mundk., smut, India (99); *Sphaerulina* sp., leaf scorch, Sierra Leone, Sudan (99); *Tilletia barclayana* (Bref.) Sacc. & Bref., smut, India (235); *Tolysporium senegalense* Speg., smut, Nigeria (99)

PHASEOLUS

***Phaseolus macrolepis* Piper**

Phakopsora pachyrhizi H. Sydow & Sydow, rust, Africa, Costa Rica, Mexico, South America, West Indies (60)

***Phaseolus panduratus* Benth.**

Ascochyta phaseolorum Sacc., zonate leaf spot, Australia (4); *Cercospora canescens* Ell. & Mart., leaf spot, Australia (5)

Phaseolus polystachyus* (L.) BSPUromyces appendiculatus* (Pers.) Unger, rust, USA (17)***Phaseolus sublobatus* Buch.-Ham.***Oidium* sp., powdery mildew, India (99)***Phaseolus vestitus* Hook.***Uromyces appendiculatus* (Pers.) Unger, rust, Colombia (125)**PUERARIA*****Pueraria javanica* Benth.***Aristastoma camarographioides* B. Sutton, leaf spot, Papua New Guinea (99); *Botryodiplodia theobromae* Pat., associated with collar rot, India (99); *Cercospora puerariicola* Yamam., leaf spot, Malaysia (261); *Drechslera* sp., leaf spot, Malaysia (99); *Glomerella cingulata* (Stonem.) Spauld. & Schrenk, leaf and pod spot, Malaysia (99); *Helminthosporium* sp., leaf spot, Malaysia (261); *Leptosphaerulina trifolii* (Rostrup) Petrak, leaf spot, Malaysia (99); *Periconia byssoides* Pers., leaf spot, Malaysia (261); *Rhizoctonia solani* Kühn, foliar blight, Malaysia (99, 261), Solomon Islands (99); *Rigidoporus lignosus* (Klotzsch) Imazeki, collar rot, Guinea (99); *Sclerotium rolfsii* Sacc., Malaysia (261); *Sporidesmium bakeri* H. Sydow & Sydow, leaf spot, Malaysia (261)***Pueraria lobata* (Willd.) Ohwi***Aristastoma* sp., leaf spot, Papua New Guinea (99); *Bipolaris* sp., leaf spot, Costa Rica (99); *Cercospora canescens* Ell. & Mart., leaf spot, Tanzania (99, 239); *C. puerariicola* Yamam., leaf spot, Taiwan (53); *Leptosphaerulina argentinensis* Speg., leaf spot, USA (86); *Mycosphaerella puerariicola* Weimer & Luttr., leaf spot, USA (99); *Mycovellosiella puerariae* D. S. Shaw & Deighton, leaf spot, China (99), Papua New Guinea (99, 250); *Myrothecium roridum* Fr., leaf spot, Sierra Leone (99); *Pleosphaerulina smilacicola* Speg., leaf spot, USA (86); *Phakopsora pachyrhizi* H. Sydow & Sydow, rust, Australia (120), China, Papua New Guinea (99); *Rhizoctonia solani* Kühn, foliar blight, Sierra Leone (99); *Synchytrium minutum* (Pat.) Gäum., false rust/wart, Fiji, Hong Kong, Japan (99), Papua New Guinea (99, 250), Taiwan (99)***Pueraria lobata* (Willd.) Ohwi var. *thomsonii* (Benth.) van der Maesen***Meliola banosensis* H. Sydow & Sydow, sooty mould, Malaysia (99); *Mycosphaerella* sp., leaf spot, Malaysia (99); *Phoma exigua* Desm. var. *exigua*, leaf spot, Malaysia (99); *Phyllosticta* sp., leaf spot, Malaysia (99)***Pueraria phaseoloides* (Roxb.) Benth. (kudzu tropical, puero)***Aristastoma camarographioides* B. Sutton, leaf spot, Papua New Guinea (99, 250), Solomon Islands (99); *Ascochyta* sp., leaf spot, Colombia (147); *Cercospora canescens* Ell. & Mart., leaf spot, Cuba, Puerto Rico, Sierra Leone (99); *C. puerariicola* Yamam., leaf spot, Cambodia (168), Malaysia (308), Philippines (280); *Cladosporium* sp., leaf mould, Sierra Leone (99); *Cochliobolus eragrostidis* (Tsuda & Ueyama) Sivan., leaf spot, Malaysia (99); *Colletotrichum gloeosporioides* (Penz.) Penz. & Sacc., anthracnose, Brasil, Colombia, Ecuador, Peru (147, 153), Puerto Rico, Virgin Islands (281), Venezuela (147, 153); *Corticium rolfsii* Curzi, collar rot, Colombia (149); *Didymosphaeria* sp., shoot blight, Malaysia (99); *Erysiphe polygoni* DC., powdery mildew, Puerto Rico, Virgin

Islands (281); *Fusarium sambucinum* Fuckel, not stated, Sierra Leone (99); *Fusarium* sp., blossom blight, Papua New Guinea (99, 250), Sierra Leone (99); *Glomerella cingulata* (Stonem.) Spauld. & Schrenk, anthracnose, Malaysia (308); *Leptosphaeria* sp., leaf spot, Solomon Islands (99); *Meliola banosensis* H. Sydow & Sydow, sooty mould, Philippines (99); *Mycosphaerella puerariicola* Weimer & Luttr., leaf spot, Hong Kong, Malaysia, Singapore (99); *Oidium* sp., powdery mildew, Colombia (147); *Ovularia puerariae* Saw., leaf spot, Malaysia (99); *Periconia byssoides* Pers., leaf spot, Malaysia (99, 308), Sierra Leone (99); *Pestalotia* sp., leaf spot, Ecuador (147); *Phakopsora pachyrhizi* H. Sydow & Sydow, rust, Cambodia (167); *Phomopsis* sp., dieback, Malaysia, Trinidad (99); *Phyllosticta* sp., leaf spot, Sudan (99); *Pleospora* sp., leaf spot, Sierra Leone (99); *Pseudocercospora puerariae* (H. Sydow) Deighton, leaf spot, Brazil, Colombia, Costa Rica, Ecuador, Panama, Peru (147, 153), Philippines (53, 99), Venezuela (147, 153); *P. puerariina* (Yen) Yen, leaf spot, Singapore (99); *Pseudoplea trifolii* (Rostrup) Petrak, leaf spot, Malaysia (308); *Rhizoctonia solani* Kühn, foliar blight, Brazil, Colombia, Costa Rica, Ecuador (147), Malaysia (99, 308), Peru (147); *Synchytrium minutum* (Pat.) Gäum., false rust/wart, Hong Kong (99)

Pueraria pulcherrima (Koord.) Koord.-Schumach.

Synchytrium minutum (Pat.) Gäum., false rust/wart, Papua New Guinea (250)

Pueraria tuberosa (Willd.) DC.

Mycosphaerella puerariicola Weimer & Luttr., leaf spot, India (99)

Pueraria sp.

Drechslera sp., leaf spot, Malaysia (99); *Leptosphaerulina trifolii* (Rostrup) Petrak, leaf spot, Malaysia (99); *Mycosphaerella puerariicola* Weimer & Luttr., angular leaf spot, Malaysia, Solomon Islands (99); *Myrothecium roridum* Fr., leaf spot, Solomon Islands (99); *Myrothecium* sp., leaf spot, Solomon Islands (99); *Periconia byssoides* Pers., leaf spot, Malaysia (99); *Phakopsora pachyrhizi* H. Sydow & Sydow, rust, India (99); *Phyllosticta* sp., leaf spot, Malaysia (99); *Sphaerella puerariae* Keissler, leaf spot, Hong Kong (99); *Synchytrium minutum* (Pat.) Gäum., false rust/wart, China (280), Hong Kong (99), India, Indonesia, Japan, Papua New Guinea, Philippines (280); *Uromyces* sp., rust, India (99)

RHYNCHOSIA

Rhynchosia acuminatissima Miq.

Caeoma rhynchosiae Saw., rust on leaf tips and petioles, Papua New Guinea (250)

Rhynchosia aurea DC.

Cercospora canescens Ell. & Mart., leaf spot, Pakistan (99, 127); *Synchytrium rhynchosiae* Lingappa, false rust/wart, India (99, 117)

Rhynchosia calycosa Hemsl.

Elsinoe rhynchosiae Jenk. & Wats., scab, Panama (109)

Rhynchosia elegans A. Rich.

Aphysa rhynchosiae (Kalchbr. & Cooke) Theiss. & H. Sydow, black leaf mould, Kenya (197); *Synchytrium phaseoli* Weston, false rust, Kenya (197); *Uromyces dolicholi* Arthur, rust, Kenya (197)

Rhynchosia longeracemosa Mart. & Gallerand*Uromyces dolicholi* Arthur, rust, Colombia (49, 125)***Rhynchosia luteola*** (Hiern) Schumach.*Uromyces rhynchosiae* Cooke, rust, Malawi (26, 99, 307)***Rhynchosia memnonia*** (Delamet) DC.*Leveillula taurica* (Lév.) Arnaud, powdery mildew, Pakistan, Sudan (99)***Rhynchosia minima*** (L.) DC.*Cercospora canescens* Ell. & Mart., leaf spot, Pakistan (99, 127); *C. rhynchosiae* Pavgi & U. P. Singh, leaf spot, India (99, 231); *Cercospora* sp., leaf spot, Colombia (147), Zambia (99); *Colletotrichum gloeosporioides* (Penz.) Penz. & Sacc., leaf spot, Colombia (147); *C. rhynchosiae* Pavgi & U. P. Singh, anthracnose, India (99); *Fusarium equiseti* (Corda) Sacc., not stated, India (99); *Erysiphe polygoni* DC., powdery mildew, Puerto Rico, Virgin Islands (281); *Leveillula taurica* (Lév.) Arnaud, powdery mildew, Pakistan (99, 127); *Synchytrium dolichi* (Cooke) Gäum., false rust/wart, Venezuela (50, 278); *Uromyces dolichi* Arthur, rust, Trinidad (22, 99)***Rhynchosia pycnostachya*** (DC.) Meikle*Meliola bicornis* Winter, sooty mould, Sierra Leone (99); *Nectria papilionacearum* Seaver, dieback, USA (99)***Rhynchosia reticulata*** (Sw.) DC. (bejuco de venado, peonia blanca)*Cercospora rhynchosiarum* Petrak & Cif., leaf spot, USA (53); *Uromyces dolicholi* Arthur, rust, Dominican Republic, St. Vincent (99)***Rhynchosia senna*** Hook. & Arn.*Parodiella hedysari* (Schwein.) S. Hughes, leaf mould, USA (75); *Uromyces dolicholi* Arthur, rust, USA (75, 99)***Rhynchosia senna*** var. *angustifolia* (A. Gray) Grear*Uromyces dolicholi* Arthur, rust, Honduras (60), Mexico (60, 99), Nicaragua South America (60), USA (60, 75, 99), West Indies (60)***Rhynchosia sublobata*** (Schumach.) Meikle*Fusarium oxysporum* Schlecht., wilt, Zambia (99); *Pyrenochaeta* sp., leaf spot, Zambia (99)***Rhynchosia tomentosa*** (L.) Hook & Arn. var. *mollissima* (Elliot) Torrey & Gray*Cercospora* sp., leaf spot, USA (75); *Parodiella hedysari* (Schwein.) S. Hughes, leaf mould, USA (75); *Phakopsora pachyrhizi* H. Sydow & Sydow, rust, Australia (120); *Phyllosticta* sp., leaf spot, USA (75)***Rhynchosia*** sp.*Aecidium eriosematitis* Henn., rust, Brazil (280); *A. glycines* Bagyanarayana & Ramachar, rust, India (18); *Arkoola nigra* John Walker & Stovold, black leaf blight, Australia (299); *Fusarium oxysporum* Schlecht., root rot, Zambia (99); *Parodiella hedysari* (Schwein.) S. Hughes, leaf mould, Argentina (99); *Phakopsora pachyrhizi* H. Sydow & Sydow, rust, Australia (120, 299); *Synchytrium dolichi* (Cooke) Gäum., false rust/wart, South Africa (99); *Synchytrium* sp., false rust/wart, Colombia (99, 147); *Uredo pamparum* Spæg., rust, Argentina (99, 280); *Uredo* sp., rust, St. Vincent (99);

Uromyces dolicholi Arthur, rust, Kenya (99); *U. rhynchosiae* Cooke, rust, Malawi (26, 99, 307), South Africa (99)

ROTTBOELLIA

Rottboellia compressa L. f.

Cintractia densa McAlp., smut, Australia (280); *Puccinia cacao* McAlp., rust, Australia (59, 99, 257, 280), India, Japan (280); *P. microspora* Dietel, rust, Japan (280); *Pyricularia oryzae* Cavara, leaf spot, Philippines (99); *Uromyces rottboelliae* Arthur, rust, Congo, Philippines (280)

Rottboellia exaltata L. f. (guinea fowl grass, jointed grass)

Ascochyta sp., leaf spot, Zambia (99, 238); *Balansia pallida* Winter, false smut, Guinea (99); *Bipolaris peregianensis* Alcorn, leaf spot, Australia (8); *B. perotidis* Alcorn, leaf spot, Australia (8); *Cercospora fusimaculans* Atk., leaf spot, Ghana (2), Guinea, Jamaica, Uganda (99), Zambia (99, 238); *Cercospora* sp., leaf spot, Venezuela (99), Zimbabwe (240); *Cochliobolus eragrostidis* (Tsuda & Ueyama) Sivan., leaf spot, Cuba (99); *C. lunatus* Nelson & Haasis, inflorescence blight, India (99), Trinidad & Tobago (22), Venezuela (99); *C. pallescens* (Tsuda & Ueyama) Sivan., leaf spot, Cuba (99); *Colletotrichum graminicola* (Ces.) Wilson, anthracnose, Cuba, India (99); *Drechslera* sp., leaf spot, Ghana, Sierra Leone (99), Thailand (227), USA (12), Venezuela (99); *Leptosphaeria* sp., leaf spot, Cuba, Venezuela (99); *Magnaporthe grisea* (Herbert) M. E. Barr, leaf spot, Malawi (55, 99), Philippines (175), Venezuela (99); *Meliola panici* Earle, sooty mould, Guinea, Philippines (99); *M. substenospora* Höhnelt, sooty mould, Philippines (99); *Mycosphaerella rottboelliae* Kranz, leaf spot, Guinea (99); *Mycosphaerella* sp., leaf spot, Jamaica (99); *Nigrospora sphaerica* (Sacc.) Mason, leaf spot, Cuba, Venezuela (99); *Phyllachora sacchari* Henn., tar spot, India (211); *Puccinia levis* (Sacc. & Bizz.) Magn., rust, Tanzania (72, 99); *P. rottboelliae* Sydow & H. Sydow, rust, Ethiopia (99), Ghana (97, 99), India (99, 231, 280), Malawi (26, 99, 307), Nigeria (99), Philippines (280), Sierra Leone, Sudan (99), Zambia (99, 238), Zimbabwe (240); *P. versicolor* Dietel & Holway, rust, Nigeria (99); *Puccinia* sp., rust, Jamaica (62, 146); *Pyricularia setariae* Nisik., leaf spot, Zimbabwe (99, 240); *Sphacelotheca flagellata* (H. Sydow & Sydow) Zundel, smut, Congo, Philippines (280), Tanzania (239), Zimbabwe (95); *S. ophiuri* (Henn.) Ling, smut, Kenya (99, 197), Malawi (99, 307), Pakistan (2), Philippines, Sierra Leone, Sudan, Uganda (99), Zambia (238), Zimbabwe (99); *Sporisorium ophiuri* (Henn.) Vanky, smut, China (99), India (231); *Thanatephorus cucumeris* (Frank) Donk, foliar blight, Ghana, Sudan (99); *Uredo* sp., rust, Cuba (99), Nigeria (304), Tanzania (99); *Uromyces rottboelliae* Arthur, rust, India (99)

Rottboellia ophiuroides Benth.

Meliola panici Earle, sooty mould, Philippines (99); *M. substenospora* Höhnelt, sooty mould, Philippines (99); *Sorosporium pachycarpum* H. Sydow, smut, USA (99)

Rottboellia protensa (Steud.) Hackel

Puccinia cacao McAlp., rust, Bangladesh (99)

Rottboellia speciosa (Steud.) Hackel

Uromyces rottboelliae Arthur, rust, India (99)

Rottboellia sp.

Pyricularia oryzae Cavara, leaf spot, Zambia (99)

SCHIZACHYRIUM

Schizachyrium brevifolium (Sw.) Buse

Cercospora sp., leaf spot, Guinea (99); *Phyllachora luteomaculata* (Schwein.) C. R. Orton, tar spot, Puerto Rico, West Indies (281); *Phyllachora ischaemi* H. Sydow & Sydow, tar spot, Malawi (212); *Puccinia kaernbachii* (Henn.) Arthur, rust, Dominican Republic, Grenada (99); *P. posadensis* Sacc. & A. Trotter, rust, Grenada (99), Mexico, West Indies (281); *P. venestula* Arthur, rust, Costa Rica, Puerto Rico (280); *Stagonospora* sp., leaf blotch, Sierra Leone (99); *Thanatephorus cucumeris* (Frank) Donk, foliar blight, Sierra Leone (99); *Uromyces clignyi* Pat. & Har., rust, Sierra Leone (99)

Schizachyrium condensatus (HBK) Nees

Phyllachora andropogonis (Schwein.) Karst., tar spot, Venezuela (278); *Puccinia kaernbachii* (Henn.) Arthur, rust, Bolivia (76); *P. posadensis* Sacc. & A. Trotter, rust, Argentina (280), Mexico (99); *Sphacelotheca guaranitica* (Speg.) Zundel, smut., Argentina (280), Brazil (256), Venezuela (278)

Schizachyrium hirtiflorum Nees

Cochliobolus pallescens (Tsuda & Ueyama) Sivan., leaf spot, Colombia (99, 147)

Schizachyrium platyphyllum (Franchet) Stapf

Myrothecium cinctum (Corda) Sacc., leaf spot, Togo (99); *Phyllachora platyelliptica* Parbery, tar spot, Malawi (99, 212, 307), Sierra Leone (99); *Stagonospora* sp., leaf blotch, Sierra Leone (99); *Uromyces clignyi* Pat. & Har., rust, Malawi (26, 99, 307)

Schizachyrium semiberbe Nees

Phyllachora ischaemi H. Sydow & Sydow, tar spot, South Africa (211)

SENNA

Senna alexandrina Mill. (syn. *Cassia acutifolia* Delile)

Alternaria alternata (Fr.) Keissler, leaf spot, India (99); *A. cassiae* Jurair & Khan, leaf spot, India (99); *A. tenuissima* (Pers.) Wiltsh., leaf spot, India (99); *Alternaria* sp., leaf spot, India (99); *Cladosporium oxysporum* Berk. & M. A. Curtis, green mould, India (99); *Cochliobolus geniculatus* Nelson, leaf spot, India (99); *Macrophomina phaseolina* (Tassi) Goid., wilt, India (99); *Pseudocercospora* sp., leaf spot, India (99); *Cladosporium* sp., green mould, Pakistan (99); *Fusarium solani* (Mart.) Sacc., wilt, Nigeria, Uganda (99)

Senna alata (L.) Roxb. (syn. *Cassia alata* L.)

Asterina elaeocarpi H. Sydow & Sydow, black mildew, Philippines, Puerto Rico (281); *Cercospora canescens* Ell. & Mart., leaf spot, Cuba (99); *C. simulata* Ell. & Everh., leaf spot, Puerto Rico (281); *Cladosporium oxysporum* Berk. & M. A. Curtis, green mould, Cuba (99); *Diaporthe* sp., leaf spot, Venezuela (99); *Glomerella cingulata* (Stonem.) Spauld. & Schrenk, anthracnose, Tanzania (72, 99), Venezuela (99); *Mycosphaerella guineensis* Kranz, leaf spot, Guinea (99); *Phaeoisariopsis simulata* (Ell. & Everh.) L. G. Brown & Morgan-Jones, leaf spot, Colombia, USA, Venezuela (53); *Phomopsis cassiae* da Camara, wilt and dieback, Tanzania (72, 99), Venezuela (99); *Stagonospora* sp., leaf scorch, Venezuela (99)

Senna bacillaris (L. f.) Irwin & Barneby (syn. *Cassia bacillaris* L. f.)

Irenopsis toruloidea (F. L. Stev.) F. L. Stev., sooty mould, Trinidad & Tobago (22, 99); *Meliola cassicola* Hansf., sooty mould, Brazil (99); *Phyllachora bakeriana* Henn., tar spot, not stated (99); *Uredo ramonensis* H. Sydow, rust, Costa Rica (60, 99)

Senna bauhinioides (A. Gray) Irwin & Barneby (syn. *Cassia bauhinioides* A. Gray)

Ravenelia mesillana Ell. & Barth., rust, USA (99)

Senna bicapsularis (L.) Roxb. (syn. *Cassia bicapsularis* L.)

Cercosporidium cassiae (Henn.) Deighton, leaf spot, Uganda, (99); *Cephaleuros virescens* Kunze, algal leaf spot, Venezuela (99); *Guignardia citricarpa* Kiely, leaf spot, Cuba (99); *Meliola aethiops* Sacc., sooty mould, Sierra Leone (99); *Mycosphaerella* sp., leaf spot, Venezuela (99); *Oidium* sp., powdery mildew, Jamaica (99, 146); *Phomopsis cassiae* da Camara, wilt and dieback, Venezuela (99); *Phomopsis* sp., wilt and dieback, Cuba (99); *Ravenelia arthurii* Long, rust, Jamaica (62, 146), Venezuela (99, 123)

Senna cobanensis (Britton & Rose) Irwin & Barneby (syn. *Cassia pumila* Benth.)

Synchytrium cassiae Lingappa, false rust, India (99, 117)

Senna corymbosa (Lam.) Irwin & Barneby (syn. *Cassia corymbosa* Lam.)

Alternaria cassiae Jurair & Khan, leaf spot, India (99); *Cercospora sphaeroidea* Speg., foliar blight, Argentina, Brazil, South Africa (53); *Phaeoramularia occidentalis* (Cooke) Deighton, leaf spot, Argentina (99); *Uredo cyclogena* Speg., rust, Argentina (99)

Senna covessi (A. Gray) Irwin & Barneby (syn. *Cassia covesii* A. Gray)

Ravenelia cassiae-covesii Long & Goodding, rust, Mexico, USA (99); *R. mesillana* Ell. & Barth., rust, Mexico (99)

Senna durangensis (Rose) Irwin & Barneby (syn. *Cassia durangensis* Rose)

Ravenelia mesillana Ell. & Barth., rust, Mexico (99)

Senna hirsuta (L.) Irwin & Barneby (syn. *Cassia hirsuta* L.)

Cercosporidium cassiae (Henn.) Deighton, foliar blight, Jamaica (99, 146); *Glomerella cingulata* (Stonem.) Spauld. & Schrenk, anthracnose, Guinea (99); *Leptosphaeria* sp., leaf spot, Guinea (99); *Phaeoisariopsis simulata* (Ell. & Everh.) L. G. Brown & Morgan-Jones, leaf spot, Colombia (49); *Phomopsis* sp., wilt and dieback, Guinea (99); *Pseudocercospora angulata* (Chupp & Solh.) Deighton, leaf spot, South America, USA (53)

Senna hirsuta (L.) Irwin & Barneby var. *leptocarpa* (Benth.) Irwin & Barneby

Cercosporidium cassiae (Henn.) Deighton, leaf spot Colombia (49)

Senna holosericea (Fresen.) Greuter (syn. *Cassia holosericea* Fresen.)

Alternaria cassiae Jurair & Khan, foliar blight, Pakistan (99); *Botryodiplodia theobromae* Pat., stem canker, Pakistan (99); *Microstroma cassicola* Khan & Kamal, white mould, Pakistan (99, 127)

Senna latifolia (G. Meyer) Irwin & Barneby (syn. *Cassia hoffmannseggii* Benth.)

Irenopsis toruloidea (F. L. Stev.) F. L. Stev., sooty mould, Brazil (99); *Meliola cassicola* Hansf., sooty mould, Brazil (99)

Senna lindheimeriana (Scheele) Irwin & Barneby (syn. *Cassia lindheimeriana* Scheele)
Ravenelia papillifera H. Sydow & Sydow, rust, Mexico, USA (99)

Senna macranthera (Colladon) Irwin & Barneby (syn. *Cassia macranthera* Colladon)
Cercosporidium cassiae (Henn.) Deighton, leaf spot, Brazil (256)

Senna marylandica (L.) Link (syn. *Cassia marylandica* L.)
Cercosporidium cassiae (Henn.) Deighton, leaf spot, USA (99); *Phaeoisariopsis simulata* (Ell. & Everh.) L. G. Brown & Morgan-Jones, angular leaf spot, Colombia, Germany, Puerto Rico, Venezuela (53), USA (53, 99); *Phoma* sp., leaf spot, India (99); *Pseudocercospora cassiae* Henn., leaf spot, USA (53); *P. nigricans* (Cooke) Deighton, foliar blight, East Africa, Japan, Puerto Rico, USA (53)

Senna multijuga (A. Rich.) Irwin & Barneby (syn. *Cassia multijuga* A. Rich.)
Hypoxyton rubiginosum (Fr.) Fr., canker, Sierra Leone (99); *Thyronectria pseudotrichia* (Schwein.) Seeler, dieback, Sierra Leone (99)

Senna occidentalis (L.) Link (syn. *Cassia occidentalis* L.)
Acremonium kiliense Grutz, not stated, India (99); *Alternaria cassiae* Jurair & Khan, leaf blight, USA (36); *Ascochyta cassiae* Henn, leaf spot, India (99); *Cercospora cassiae-occidentalis* Yen, leaf spot, Singapore (99); *C. cassiocarpa* (Sacc.) Chupp, leaf spot, India (231), Philippines, Sierra Leone, Venezuela, Zambia (99); *C. pinnulicola* Atk., leaf spot, India, Sierra Leone, Sudan (99); *Cercosporidium cassiae* (Henn.) Deighton, leaf spot, Uganda (99); *Cochliobolus pallescens* (Tsuda & Ueyama) Sivan., leaf spot, India (99); *Colletotrichum capsici* (H. Sydow) E. Butler & Bisby, foliar blight, Malaysia (99, 261); *C. lindemuthianum* (Sacc. & Magnus) Briosi & Cavara, anthracnose, India (99); *C. truncatum* (Schwein.) Andrus & Moore, anthracnose, India (99), USA (87); *Coniothyrium fuckelii* Sacc., leaf spot, Venezuela (99); *Corynespora cassiicola* (Berk. & M. A. Curtis) Wei, leaf and stem spot, India (99); *Curvularia affinis* Boedijn, leaf spot, India (99); *Dendryphiella vinosa* (Berk. & M. A. Curtis) Reisinger, leaf spot, India (99); *Erysiphe polygoni* DC., powdery mildew, Colombia (49), Puerto Rico, Virgin Islands (281); *Fusarium* sp., not stated, Venezuela (99); *Glomerella cingulata* (Stonem.) Spauld. & Schrenk, anthracnose, India (99); *Mycosphaerella* sp., leaf spot, India (99); *Myrothecium* sp., leaf spot, India (99); *Oidium* sp., powdery mildew, Bhutan, Cuba (99), India (99, 231), Jamaica (99, 146), Kenya (99), Malawi (99, 307), Malaysia, Mauritius (99), Tanzania (72), USA (104), Venezuela, Yemen (99); *Ophiobolus fulgidus* (Cooke & Peck) Sacc., stem rot, Cuba (99); *Phaeoisariopsis simulata* (Ell. & Everh.) L. G. Brown & Morgan-Jones, leaf spot, Puerto Rico (281); *Phaeoramularia occidentalis* (Cooke) Deighton, leaf spot, Argentina (53, 99), Barbados (22, 99), Bengal (99), Brazil, Colombia, Cuba, Dominican Republic (99), Grenada (22), Puerto Rico (281), South Africa, USA (53, 99), Virgin Islands (281); *P. paulensis* Henn., leaf spot, Colombia (49); *Phoma macrostoma* Mont., leaf spot, Venezuela (99); *Phomopsis cassiae* da Camara, wilt and dieback, Barbados (200), Venezuela (99); *Phyllosticta cassiae-occidentalis* Vasant Rao, leaf spot, India (99); *Pseudocercospora nigricans* (Cooke) Deighton, leaf spot, India (99), Malaysia (170); *P. singaporensis* (Yen) Yen, leaf spot, Singapore (99); *Pseudoperonospora* sp., leaf disc-spot and downy mildew, Mauritius (207), Tanzania (72); *Uredo cassiae-occidentalis* T. S. Ramakr., rust, India (99); *Volutella cassiicola* Vasant Rao, leaf blight, India (99)

Senna oxyphylla (Kunth) Irwin & Barneby (syn. *Cassia oxyphylla* Kunth)
Mycovellosiella greciana (H. Sydow) L. G. Brown & Morgan-Jones, leaf spot, Costa Rica (99)

Senna pallida (Vahl) Irwin & Barneby (syn. *Cassia biflora* L.)

Ravenelia spinulosa Dietel & Holway, rust, Mexico (99), Venezuela (50, 99); *Uredo socotrae* H. Sydow & Sydow, rust, Malaysia (261)

Senna petersiana (Bolle) Lock (syn. *Cassia petersiana* Bolle)

Cercosporidium cassiae (Henn.) Deighton, leaf spot, Zambia (99); *Ravenelia baumiana* Henn., rust, Ethiopia, Zambia (99); *Ravenelia* sp., rust, Malawi (99)

Senna podocarpa (Guill. & Perr.) Lock (syn. *Cassia podocarpa* Guill. & Perr.)

Myrothecium roridum Fr., leaf spot, Sierra Leone (99)

Senna quinquangulata (A. Rich.) Irwin & Barneby (syn. *Cassia quinquangulata* A. Rich.)

Irenopsis toruloidea (F. L. Stev.) F. L. Stev., sooty mould, Puerto Rico (99)

Senna rugosa (G. Don) Irwin & Barneby (syn. *Cassia rugosa* G. Don)

Uredo cassiae-rugosae Thurston, rust, Brazil (99)

Senna siamea (Lam.) Irwin & Barneby (syn. *Cassia siamea* Lam.)

Botryodiplodia theobromae Pat., root rot, Uganda (99), Zimbabwe (240); *Cercosporidium cassiae* (Henn.) Deighton, leaf spot, Tanzania (72, 99); *Cochliobolus nodulosus* Luttr., leaf spot, India (99); *Corticium rolfsii* Curzi, root rot and damping-off, Mauritius (306, 307); *Diaporthe eres* Nitschke, dieback, Zambia (99); *Diplodia* sp., dieback, Zambia (99); *Dothiorella* sp., canker, Zambia (99); *Fusarium oxysporum* Schlecht., wilt, India (99); *F. solani* (Mart.) Sacc., wilt, India (251); *Ganoderma lucidum* (Fr.) Karsten, root rot, Sierra Leone, South Africa, Zambia (99); *Ganoderma* sp., root rot, Tanzania (99, 239); *Hypoxylon rubiginosum* (Fr.) Fr., canker, Sierra Leone (99); *H. stygium* (Lév.) Sacc., canker, Sierra Leone (99); *Meliola aethiops* Sacc., sooty mould, India, Indonesia, Sierra Leone (99); *Nectria ochroleuca* (Schwein.) Berk., dieback, Nigeria (99); *Oidium* sp., powdery mildew, Tanzania (72, 99), Zambia (99); *Phoma* sp., leaf spot, India (99); *Phomopsis* sp., wilt and dieback, Kenya (197), Tanzania (239); *Phyllosticta cassiae* Chowdury, leaf spot, India (99); *Pleiochaeta* sp., leaf spot, India (231); *Pseudocercospora cassiae-siameae* (Chupp) Deighton, leaf spot, India (99); *Thyronectria pseudotrichia* (Schwein.) Seeler, dieback, Nigeria (99); *Trametes gibbosa* (Pers.) Broome, stem rot, Malaysia (261); *Xylaria feejeensis* (Berk.) Fr., root rot, India (99)

Senna singueana (Del.) Lock (syn. *Cassia singueana* Del.)

Phoma sp., leaf spot, Zambia (99); *Ravenelia baumiana* Henn., rust, Tanzania (72), Zimbabwe (95, 240); *R. wiehei* Cummins, rust, Malawi (26, 219, 307); *Ravenelia* sp., rust, Tanzania (72, 99)

Senna spectabilis (DC.) Irwin & Barneby (syn. *Cassia spectabilis* DC.)

Botryodiplodia theobromae Pat., dieback, India (99); *Coniothyrium fuckelii* Sacc., leaf and stem spot, India (99); *Didymosphaeria muelleri* Mukerji & S. Kapoor, shoot blight, India (99); *Diplodia* sp., dieback, India (99); *Mycosphaerella cassiae* F. L. Stevens, leaf spot, Cuba (99); *Phoma macrostroma* Mont., leaf spot, India (99); *Phomopsis cassiae* da Camara, dieback, India (99); *Pleospora helvetica* Niessl, leaf spot, India (99); *Xylaria polymorpha* (St Amans) Grev., root rot, Sierra Leone (99)

Senna splendida (Vogel) Irwin & Barneby (syn. *Cassia splendida* Vogel)

Spaceloma cassiae Vogel, scab, Brazil (31, 99)

Senna sophera (L.) Roxb. (syn. *Cassia sophera* L.)

Alternaria cassiae Jurair & Khan, foliar blight, India (99); *Cercospora* sp., leaf spot, Papua New

Guinea (99); *Oidium* sp., powdery mildew, India (99); *Pseudocercospora nigricans* (Cooke) Deighton, leaf spot, India (99); *Uredo socotrae* H. Sydow & Sydow, rust, Malaysia (99); *Voluella colletotrichoides* Chilton, leaf blight, India (99)

Senna surattensis (Burm. f.) Irwin & Barneby (syn. *Cassia surattensis* Burm. f.)

Cephalosporium sp., wilt, USA (292); *Coniothyrium fuckelii* Sacc., leaf and stem spot, Pakistan (99); *Oidium* sp., powdery mildew, Pakistan (99, 127); *Uredo* sp., rust, Hong Kong (99)

Senna tora (L.) Roxb. (syn. *Cassia tora* L.)

Aecidium cassiae Bresad., rust, Ghana (99), India (231), Malaysia (99, 261), Nigeria, Sierra Leone (99); *Alternaria alternata* (Fr.) Keissler, leaf spot, India (99); *A. tenuissima* (Pers.) Wiltsh., India (99); *Ascochyta cassiae* Henn., leaf spot, India (99); *Botryodiplodia theobromae* Pat., root rot, India (99); *Cercospora canescens* Ell. & Mart., leaf spot, India (99); *C. cassiocarpa* (Sacc.) Chupp, leaf spot, Venezuela (99); *C. pinnulicola* Atk., leaf spot, Cuba, Guinea, India (99); *Cercospora* sp., foliar blight, Pakistan (103); *Cladosporium oxysporum* Berk. & M. A. Curtis, green mould, Cuba (99); *Cochliobolus lunatus* Nelson & Haasis, leaf spot, India (99); *C. pallescens* (Tsuda & Ueyama) Sivan., leaf spot, India (99); *Colletotrichum capsici* (H. Sydow) E. Butler & Bisby, anthracnose, India (99); *C. lindemuthianum* (Sacc. & Magnus) Briosi & Cavara, anthracnose, India (99); *Corynespora cassicola* (Berk. & M. A. Curtis) Wei, leaf and stem spot, Pakistan (99); *Dendryphiella vinosa* (Berk. & M. A. Curtis) Reisinger, leaf spot, India (99); *Didymosphaeria muelleri* Mukerji & S. Kapoor, shoot blight, India (99); *Erysiphe polygoni* DC., powdery mildew, Puerto Rico, Virgin Islands (281); *Glomerella cingulata* (Stonem.) Spauld. & Schrenk, black leaf spot, Burma (232), India (99), Malaysia (99, 135); *Khuskia oryzae* Hudson, leaf spot, India (99); *Leptosphaeria* sp., leaf spot, Cuba (99); *Leptosphaerulina trifolii* (Rostrup) Petrak, leaf spot, India (99); *Macrophomina phaseolina* (Tassi) Goid., wilt, India (99); *Oidium* sp., powdery mildew, Cuba, Gambia (99), India (99, 231), Malaysia, Nigeria (99); *Pestalotiopsis japonica* (Sydow) Steyaert, leaf spot, India (99); *Phaeoramularia occidentalis* (Cooke) Deighton, foliar blight, Argentina, Barbados, Brazil, Colombia, Dominican Republic, India, Philippines, Somalia, South Africa, Trinidad, USA (53); *Phomopsis cassiae* da Camara, wilt and dieback, India (99), USA (75), Venezuela (99); *Phomopsis* sp., dieback, Cuba (99); *Phyllachora cassicola* S. Ananth., tar spot, India (99); *Phyllosticta cassiae* Chowdhury, leaf spot, Cuba, India, Venezuela (99); *Pseudocercospora nigricans* (Cooke) Deighton, foliar blight, India (231), Japan (53), Pakistan, Puerto Rico (53), Trinidad & Tobago (22), USA (53, 75); *Ravenelia berkleyi* Mundk. & Thirum., rust, India (99); *R. mirandensis* Kern & Thurston, rust, Venezuela (123); *Rhizoctonia solani* Kühn, seedling blight, USA (75); *Septoria* sp., leaf spot, Cuba (99); *Uredo socotrae* H. Sydow & Sydow, rust, Burma (99)

SETARIA

Setaria aequalis Stapf

Cercospora fusimaculans Atk., leaf spot, Uganda (99); *Magnaporthe grisea* (Herbert) M. E. Barr, leaf spot, Uganda (99)

Setaria anceps Massey (nandi grass, cola de perro, mijo silvestre)

Bipolaris hawaiiensis (M. B. Ellis) Uchida & Aragaki, leaf spot, Australia (299); *B. melinidis* Alcorn, leaf spot, Australia (8); *B. zeicola* (Stout) Shoem., leaf spot, Australia (299); *Curvularia leonensis* M.B. Ellis, leaf spot, Malaysia (135); *Magnaporthe grisea* (Herbert) M. E. Barr, leaf spot, Australia (257, 299); *Rhynchosporium oryzae* Hash. & Yokogi, leaf spot, Brazil (222)

***Setaria aurea* A. Br.**

Beniowskia sphaeroidea (Kalchbr. & Cooke) Mason, leaf spot, Kenya (99, 177); *Phyllachora evansii* H. Sydow & Sydow, tar spot, South Africa (280); *P. setariicola* Speg., tar spot, Kenya (99); *Phyllosticta glumarum-setariae* Henn., glume spot, Congo (280); *Tilletia echinosperma* Ainsw., smut, Kenya, Uganda (99); *T. heterospora* (Henn.) Zundel, smut, Uganda (319); *Tolyposporium setariicola* H. Sydow & Sydow, smut, Central Africa (280); *Ustilago setariae-aureae* Henn., smut, Congo (280), South Africa (280); *U. verruculosa* Wakef., smut, Congo (99, 280)

***Setaria australiensis* (Scribn. & Merr.) Vick. (scrub pigeon grass)**

Ustilago pertusa Tracy & Earle, smut, Australia (257)

***Setaria barbata* (Lam.) Kunth**

Beniowskia sphaeroidea (Kalchbr. & Cooke) Mason, false mildew, Nigeria (99); *Cercospora fusimaculans* Atk., leaf spot, Ghana (97, 99), Guinea, Sudan (99); *Cochliobolus heterostrophus* (Drechs.) Drechs., leaf spot, Nigeria (99); *Phyllachora* sp., tar spot, Sudan (99); *Puccinia substriata* Ell. & Barth. var. *insolita* (H. Sydow & Sydow) Ramachar & Cummins, rust, Ghana (99); *Tilletia echinosperma* Ainsw., smut, Ghana (99); *Uromyces setariae-italicae* Yosh., rust, Ghana, Nigeria (99)

***Setaria chevalieri* Stapf**

Balansia pallida Winter, false smut, Sierra Leone (99); *Beniowskia sphaeroidea* (Kalchbr. & Cooke) Mason, false mildew, Tanzania (99, 239); *Cladosporium spongiosum* Berk. & M. A. Curtis, inflorescence blight, Sierra Leone (99); *Cladosporium* sp., inflorescence blight, Sudan (99); *Meliola panici* Earle, sooty mould, Ghana (97, 99), Sierra Leone (99); *M. setariae* Hansf. & Deighton, sooty mould, Ghana, Sierra Leone (99); *Periconia minutissima* Corda, leaf spot, Togo (99); *Phyllachora bonariensis* Speg., tar spot, South Africa (211); *P. setariicola* Speg., tar spot, Ethiopia, South Africa (99), Sudan (99, 212); *Stachybotrys parvispora* S. Hughes, leaf spot, Ghana (97), *Ustilagoidea ochracea* Henn., false smut, Sierra Leone, South Africa (99), Tanzania (99, 239)

***Setaria crus-ardea* (Nees) Kunth**

Ustilagoidea setariae Bref., false smut, Brazil (256)

***Setaria geniculata* (Willd.) Beauv. (bristlegrass)**

Beniowskia sphaeroidea (Kalchbr. & Cooke) Mason, false smut, USA (39); *Bipolaris cynodontis* (Marig.) Shoem., leaf spot, Australia (299); *B. papendorfii* (van der Aa) Alcorn, leaf blight, Australia (99, 299); *Cercospora setariae* Atk., leaf spot, USA (75); *Claviceps purpurea* (Fr.) Tul., ergot, Uruguay (99); *Ephelis mexicana* (Fr.) Berk. & M. A. Curtis, inflorescence mould, Colombia (202); *Fusarium culmorum* (Smith) Sacc., wilt, Australia (99); *Puccinia chaetochloae* Arthur, rust, Venezuela (121, 278); *P. catervaria* Cummins, rust, Bolivia (76); *P. setariae* Dietel & Holway, rust, Venezuela (50, 99, 278); *Sphacelotheca pamparum* (Speg.) Clinton, smut, Argentina (99), Bahamas, Chile, Cuba, Mexico (280); *Uromyces setariae-italicae* Yosh., rust, Jamaica (62, 99, 146), Papua New Guinea (250), Puerto Rico (281), USA (75), Virgin Islands (281)

***Setaria glauca* (L.) Beauv. (yellow foxtail, pale pigeon grass)**

Cercospora setariae Atk., leaf spot, India (99); *Cochliobolus pallescens* (Tsuda & Ueyama) Sivan., leaf spot, India (138); *C. setariae* (S. Ito & Kuribay.) Dastur, leaf spot, India (262); *Fusarium equiseti* (Corda) Sacc., not stated, India (99); *Gaeumannomyces graminis* (Sacc.) v. Arx & Olivier, take-all, USA (75); *Phoma sorghina* (Sacc.) Boerema, Dorenb. & van Kest., leaf spot, USA (99); *Phyllosticta setariae* Ferraris, leaf spot, Italy (280); *Puccinia setariae* Dietel & Holway, rust, USA (75); *Puccinia* sp., rust, India (99); *Sorosporium setariae* McAlp., smut, Australia (257); *S.*

neglectum (Neissl) Vanky, smut, Australia (299), Austria, Canada, Germany, Hungary (99), India (99, 193, 231), Italy, Japan (99), Pakistan (11), Poland, Romania (99), USA (75, 99); *Tilletia setariae* Ling, smut, Japan (89); *Uromyces setariae-italicae* Yosh., rust, Australia (99, 144, 257, 299), India (99, 231, 280), Pakistan (99), Philippines, Sri Lanka (280), USA (75); *U. setariae* Rabenh., smut, Argentina, Germany (280)

***Setaria gracilis* Kunth**

Uredo sp., rust, Brazil (256)

***Setaria grisebachii* (Fourn.) Griseb. (bristlegrass)**

Physopella cameliae (Mayor) Cummins & Ramachar, rust, Mexico (99); *Puccinia afra* Dietel & Holway, rust, Mexico (280); *P. dolosa* Arthur & Fromme var. *biporula* Ramachar & Cummins, rust, Mexico (99); *P. esclavensis* Dietel & Holway var. *panicophila* (Speg.) Ramachar & Cummins, rust, Mexico (99), USA (75)

***Setaria holstii* Herrm.**

Puccinia substriata Ell. & Barth. var. *insolita* (H. Sydow & Sydow) Ramachar & Cummins, rust, Kenya (99)

***Setaria homonyma* (Steud.) Chiov.**

Cochliobolus heterostrophus (Drechs.) Drechs., leaf spot, Zambia (99, 238); *Phyllachora setariicola* Speg., tar spot, Tanzania (99)

***Setaria incrassata* (Hochst.) Hackel**

Claviceps sp., ergot, Ethiopia (99), Zimbabwe (240)

***Setaria intermedia* Roem. & Schult.**

Pyricularia sp., leaf spot, India (231); *Tilletia setariicola* Pavgi & Thirum., smut, India (99, 235); *Uromyces setariae-italicae* Yosh., rust, India, Philippines, Sri Lanka (280)

***Setaria italica* (L.) Beauv. (foxtail millet)**

Alternaria sp., foliar blight, Pakistan (103); *Balansia oryzae-sativae* Hashioka, black kernel, Sierra Leone (99); *Cochliobolus hawaiiensis* Alcorn, seed associate, Denmark (99); *C. heterostrophus* (Drechs.) Drechs., seed associate, Egypt (99); *C. lunatus* Nelson & Haasis, India (99, 235); *C. pallescens* (Tsuda & Ueyama) Sivan., foliar blight, India (99); *C. sativus* (S. Ito & Kuribay.) Dastur, foliar blight, Canada (235); *C. setariae* (S. Ito & Kuribay.) Dastur, inflorescence blight and seed rot, Argentina (42), Canada (235), China (249); *Exserohilum rostratum* (Drechs.) Leonard & Suggs, root rot, USA (75); *E. turcicum* (Pass.) Leonard & Suggs, leaf stripe, USA (75); *Fusarium acuminatum* Ell. & Everh., root rot, USA (75); *F. moniliforme* Sheldon, root rot, India (99), USA (75); *F. oxysporum* Schlecht., root rot, India (99), USA (75); *Helminthosporium* sp., leaf blight, Thailand (227); *Leptosphaerulina trifolii* (Rostrup) Petrak, leaf spot, Malaysia (99); *Magnaporthe grisea* (Herbert) M. E. Barr, leaf blast and head blight, Australia (99, 257, 299), Burma (99); *Phoma sorghina* (Sacc.) Boerema, Dorenb. & van Kest., leaf spot, Bhutan (99); *Phyllachora bonariensis* Speg., tar spot, Brazil (211); *Pyricularia setariae* Nisik., blast and leaf spot, China (166), India (82), USA (75); *Pythium* spp., root rot and damping-off, USA (75); *Ramulispora alloteropsis* Thirum. & Narasimh., leaf spot, Burma (99); *Sclerospora graminicola* (Sacc.) Schröter, downy mildew, Bhutan, Hong Kong, India (99, 231), Romania, Switzerland (99), USA (75, 99); *Sclerospora* sp., downy mildew, Hong Kong (99); *Sorosporium neglectum* (Niessl) Vanky, smut, Australia (257, 299); *Uromyces setariae-italicae* Yosh., rust, Hong Kong (99), India (99, 233, 280),

Japan (102), Philippines, Sri Lanka (280), Uganda (99); *Ustilago crameri* Körn., smut, Australia (299), India (99, 231), Pakistan (2), Romania (221), USA (75)

Setaria kazungula Conradie

Phoma sorghina (Sacc.) Boerema, Dorenb. & van Kest., leaf spot, Australia (99)

Setaria lancea Massey

Cercospora fusimaculans Atk., leaf spot, Sudan (99); *Phakopsora setariae* Cummins, rust, Sudan (99)

Setaria lindenbergiana Stapf

Phyllachora bonariensis Speg., tar spot, South Africa (211)

Setaria longiseti Beauv.

Balansia pallida Winter, false smut, Ghana (99); *Puccinia setariae-longisetiae* Wakef. & Hansf., rust, Uganda (99); *Tilletia ayresii* Berk. & Masee, smut, Nigeria (304), Uganda, (99); *T. echinosperma* Ainsw., smut, Kenya, Nigeria, Uganda (99); *Ustilago heterospora* Henn., smut, Nigeria (304)

Setaria lutescens (Weigel) C. E. Hubbard

Beniowskia sphaeroidea (Kalchbr. & Cooke) Mason, false mildew, USA (99); *Sclerospora graminicola* (Sacc.) Schröter, downy mildew, Canada (99); *Sorosporium neglectum* (Niessl) Vanky, smut, USA (99) *Tilletia setariae* Ling, smut, China (99)

Setaria macroperma (Scribn. & Merr.) Schumach.

Puccinia chaetochloae Arthur, rust, USA (99)

Setaria mombassana Herrm.

Puccinia substriata Ell. & Barth. var. *insolita* (H. Sydow & Sydow) Ramachar & Cummins, rust, East Africa (99); *Tilletia echinosperma* Ainsw., smut, Zambia (99); *Ustilago setariae-mombassanae* Ling, smut, Malawi (55); *Ustilago* sp., smut, Malawi (307)

Setaria montana Reeder

Puccinia substriata Ell. & Barth. var. *insolita* (H. Sydow & Sydow) Ramachar & Cummins, rust, Papua New Guinea (250)

Setaria neglecta de Wit

Sorosporium neglectum (Niessl) Vanky, smut, USA (99)

Setaria pallidi-fusca (Schumach.) Stapf & C. E. Hubbard

Balansia sclerotica (Pat.) Höhnelt, false smut, India, Zimbabwe (99); *Cercospora fusimaculans* Atk., leaf spot, Nigeria, Sudan, Zambia (99); *Cladosporium spongiosum* Berk. & M. A. Curtis, inflorescence blight, Zambia (99); *Phakopsora setariae* Cummins, rust, Nigeria (99); *Puccinia substriata* Ell. & Barth. var. *isolita* (H. Sydow & Sydow) Ramachar & Cummins, rust, Kenya (206), Papua New Guinea (250); *Sorosporium neglectum* (Niessl) Vanky, smut, Sudan (99), Zimbabwe (95, 99); *S. setariicola* Thirum. & Safee., smut, India (99); *Sorosporium* sp., smut, Kenya (99); *Tilletia echinosperma* Ainsw., smut, Malawi (99, 307), Sudan (99); *T. makutensis* Thirum. & Safee., smut, India (231); *T. setariae* Ling, smut, India (99); *Uromyces setariae-italicae* Yosh., Kenya (99, 206), Sudan (99), Uganda (59, 99); *Ustilago evansii* Henn., smut, Tanzania (99, 239), South Africa, Zimbabwe (99)

***Setaria palmifolia* (J. König) Stapf**

Balansia claviceps Speg., false smut, Trinidad (99); *Bipolaris panici-miliacai* (Nisik.) Shoem., leaf spot, Papua New Guinea (99, 250); *Cochliobolus setariae* (S. Ito & Kuribay.) Dastur, foliar blight, Papua New Guinea (99); *Helminthosporium* sp., leaf spot, Jamaica (146); *Meliola panici* Earle var. *panicola* (H. Sydow & Sydow) Hansf., sooty mould, Philippines (99); *Mycovellosiella* sp., leaf spot, Hawaii (99); *Phyllachora minutissima* (Welw. & Currey) A. L. Sm., tar spot, Congo (211), Papua New Guinea (211, 250), Philippines (211), Taiwan (99); *P. setariicola* Speg., tar spot, Hong Kong (99), Papua New Guinea (99, 212); *Tilletia setariae-palmifoliae* Mishra, smut, India (99); *Uredo palmifoliae* Cummins, rust, Papua New Guinea (250); *Uromyces setariae-italicae* Yosh., rust, Guinea (99), Papua New Guinea (250); *Ustilagoidea ochracea* Henn., false smut, Malaysia (99)

***Setaria paniculifera* (Steud.) Fourn.**

Phyllachora sp., tar spot, Venezuela (278); *Ustilagoidea ochracea* Henn., false smut, Trinidad (99)

***Setaria plicales* (Hochst.) Hackel**

Phyllachora setariicola Speg., tar spot, Malawi (212)

***Setaria plicata* (Lam.) O. F. Cook**

Phyllachora setariicola Speg., tar spot, India (212); *Puccinia panici-montani* Fujikuro, rust, India (231)

***Setaria plicatilis* (Hochst.) Engl.**

Colletotrichum graminicola (Ces.) Wilson, anthracnose, Ethiopia (99); *Phyllachora setariicola* Speg., tar spot, Ethiopia, Kenya, Malawi (99); *Phyllachora* sp., tar spot, Malawi (307)

***Setaria poiretiana* (Schult.) Kunth**

Balansia claviceps Speg., false smut, Trinidad & Tobago (22, 99), Venezuela (99); *Beniowskia sphaeroidea* (Kalchbr. & Cooke) Mason, false mildew, Trinidad & Tobago (22); *Cochliobolus heterostrophus* (Drechs.) Drechs., leaf spot, Trinidad (99); *Phyllachora cornispora* Atk., tar spot, Trinidad & Tobago (22); *P. setariicola* Speg., tar spot, Tobago (212), West Indies (99); *Phyllachora* sp., tar spot, Trinidad & Tobago (99); *Ustilagoidea ochracea* Henn., false smut, Trinidad (99)

***Setaria purpurascens* HBK**

Puccinia substriata Ell. & Barth., rust, Venezuela (278)

***Setaria pumila* (Poiret) Roem. & Schult. (annual Timothy grass)**

Balansia sclerotica (Pat.) Höhnelt, false smut, Zimbabwe (240); *Beniowskia sphaeroidea* (Kalbr. & Cooke) Mason, leaf blight, USA (75); *Bipolaris setariae* (Saw.) Shoem., leaf spot, USA (75); *B. sorokiniana* (Sacc.) Shoem., root rot, seedling blight, USA (75); *Cercospora fusimaculans* Atk., leaf spot, Zimbabwe (240); *Colletotrichum caudatum* Sacc., leaf spot, USA (75); *C. graminicola* (Ces.) Wilson, leaf spot, Zimbabwe (240); *Fusarium acuminatum* Ell. & Everh., root rot, USA (75); *F. graminearum* Schwabe, seedling blight, USA (75); *F. moniliforme* Sheldon, root rot, USA (75); *F. oxysporum* Schlecht., root rot, USA (75); *F. poae* (Peck) Wollenw., root rot, USA (75); *Phoma terrestris* Hansen, pink root, USA (75); *Puccinia setariae* Dietel & Holway, rust, USA (75); *P. substriata* Ell. & Barth., rust, USA (75); *Pyricularia grisea* Sacc., blast, leaf spot, USA (75); *Pythium* sp., root rot and damping-off, USA (75); *Rhizoctonia solani* Kühn, root rot, USA (75); *Sclerospora graminicola* (Sacc.) Schröter, downy mildew, USA (75); *Sorosporium neglectum* (Niessl) Vanky, smut, USA (75)

***Setaria scabrifolia* (Nees) Kunth**

Phyllachora chaetochloae F. L. Stev., tar spot, Dominican Republic (50), Trinidad (22), Venezuela (278)

Setaria scandens Schult.

Phytophthora cameliae (Mayor) Cummins & Ramachar, rust, Colombia (49, 125, 280), Jamaica (62, 146), Puerto Rico (280), Venezuela (99, 278)

Setaria setosa (Sw.) Beauv.

Cerebella andropogonis Ces., false smut, Dominican Republic (99); *Phyllachora minutissima* (Welw. & Currey) A. L. Sm., tar spot, Dominican Republic (99), Haiti (211); *Phytophthora cameliae* (Mayor) Cummins & Ramachar, rust, Colombia, Dominican Republic, Puerto Rico (280), Trinidad (99)

Setaria sphacelata (Schumach.) Stapf & C. E. Hubbard (golden timothy grass, nandi, fleo dorado, Kazungula)

Bipolaris zeicola (Stout) Shoem., leaf spot, Australia (299); *Cercospora* sp., leaf spot, French Guyana (24); *Cerebella andropogonis* Ces., false smut, Kenya (99, 206), Zambia (99), Zimbabwe (240); *Claviceps* sp., ergot, Malawi (99, 307); *Cochliobolus carbonum* Nelson, leaf spot, Australia (99); *C. heterostrophus* (Drechs.) Drechsl., leaf spot, Zambia (99); *C. lunatus* Nelson & Haasis, foliar blight, Zambia (99); *C. pallescens* (Tsuda & Ueyama) Sivan., foliar blight, Malaysia (99); *Colletotrichum graminicola* (Ces.) Wilson, anthracnose, Australia (99); *Exserohilum rostratum* (Drechs.) Leonard & Suggs, leaf spot, Australia (299); *Fusarium heterosporum* Fr., head blight, Malawi (99, 307); *F. heterosporum* Fr. var. *congolense* Wollenw., ear blight, Zimbabwe (95, 240); *Magnaporthe grisea* (Herbert) M. E. Barr, leaf spot, Australia (257), Kenya, Malaysia (99); *Phakopsora setariae* Cummins, rust, Malawi (99); *Phyllachora bonariensis* Speg., tar spot, Kenya (99, 206), Malawi (99), South Africa (99, 211); *P. setariicola* Speg., tar spot, Kenya (99), Malawi (99, 212), Nigeria (99); *Phyllachora* sp., leaf spot, Malawi (307); *Phyllosticta* sp., leaf spot, Australia (299), Kenya (99); *Puccinia eucomis* Doidge, rust, Malawi (99); *P. erithraeensis* Pazschke, rust, Kenya (99); *Tilletia echinosperma* Ainsw., smut, Kenya (99), Malawi (55, 99), Nigeria, Uganda, Zambia (99, 238), Zimbabwe (99, 240); *T. heterospora* (Henn.) Zundel, smut, Zimbabwe (95, 240); *Ustilago evansii* Henn., smut, Zimbabwe (240); *U. setariae-mombassanae* Ling, smut, Malawi (99)

Setaria sphacelata var. *stolonifera* de Wit

Phyllachora setariicola Speg., tar spot, Kenya (212)

Setaria splendida Stapf (*setaria gigante*)

Puccinia wiehei Cummins, rust, Malawi (26, 99, 307); *Setosphaeria rostrata* Leonard, leaf spot, French Guyana (24, 99); *S. turcica* (Luttr.) Leonard & Suggs, leaf spot, French Guyana (24, 99); *Tilletia echinosperma* Ainsw., smut, Kenya (99)

Setaria sulcata Raddi

Meliola setariae Hansf. & Deighton, sooty mould, Brazil (99); *Phyllachora evansii* H. Sydow & Sydow, tar spot, South Africa (280); *Ustilagoideia ochracea* Henn., false smut, Ghana (99)

Setaria tenax (A. Rich.) Desv.

Phytophthora cameliae (Mayor) Cummins & Ramachar, rust, Venezuela (278); *Phyllachora cornispora* Atk., tar spot, Trinidad & Tobago (22); *Uromyces puttemansii* Rangel, rust, Belize (99), Jamaica (62, 146)

Setaria tenuispica Stapf & C. E. Hubbard

Tilletia ayresii Berk. & Masee, smut, Sierra Leone (99); *T. echinosperma* Ainsw., smut, Sierra Leone (99)

***Setaria tomentosa* (Roxb.) Kunth**

Cochliobolus setariae (S. Ito & Kuribay.) Dastur, foliar blight, India (99); *Uredo setariae-tomentosae* Ramachar, Bhagyan. & Arun Kumar, rust, India (99)

***Setaria trinervia* Stapf**

Tilletia echinosperma Ainsw., smut, Kenya (99)

***Setaria verticillata* (L.) Beauv. (bristly foxtail)**

Beniowskia sphaeroidea (Kalchbr. & Cooke) Mason, false mildew, Zimbabwe (95, 99); *Fusarium* spp., root rots, USA (75); *Magnaporthe grisea* (Herbert) M. E. Barr, leaf spot, Sudan (99); *Phoma crastophila* (Sacc.) Punith., leaf spot, not stated (99); *Puccinia chaetochloae* Arthur, rust, Pakistan (99); *P. substriata* Ell. & Barth., rust, Venezuela (278); *Sclerospora graminicola* (Sacc.) Schröter, downy mildew, India (106), Romania (99); *Tilletia setariicola* Pavgi & Thirum., smut, Pakistan (2); *Uromyces setariae-italicae* Yosh., rust, Cyprus (99), India (280), Kenya (99, 177), Malta, Pakistan (99), Philippines, Sri Lanka (280), Sudan (99), Uganda (59, 99)

***Setaria viridis* (L.) Beauv. (green foxtail)**

Ascochyta graminicola Sacc., leaf spot, USA (75); *A. sorghi* Sacc., leaf spot, USA (75); *Balansia oryzae-setariae* Hashioka, black kernel, Sierra Leone (99); *Beniowskia sphaeroidea* (Kalchbr. & Cooke) Mason, leaf blight, USA (75); *Bipolaris setariae* (Saw.) Shoem., leaf spot, root rot, USA (75); *B. sorokiniana* (Sacc.) Shoem., root rot, seedling blight, USA (75); *B. victoriae* (Meehan & Murphy) Shoem., leaf blight, USA (75); *Claviceps purpurea* (Fr.) Tul., ergot, USA (75); *Cochliobolus victoriae* Nelson, leaf blight, USA (235); *Drechslera maydis* (Nisik.) Subram., leaf blight, China (311); *Exserohilum monoceras* (Drechs.) Leonard & Suggs, leaf spot, USA (75); *E. rostratum* (Drechs.) Leonard & Suggs, root rot, USA (75); *E. turcicum* (Pass.) Leonard & Suggs, leaf stripe, USA (75); *Fusarium* spp., root rots, USA (75); *Magnaporthe grisea* (Herbert) M. E. Barr, leaf spot, Romania (99); *Phoma sorghina* (Sacc.) Boerema, Dorenb. & van Kest., leaf spot, USA (75); *P. terrestris* Hansen, pink root, USA (75); *Pyrenochaeta setariae* H. C. Greene, leaf spot, Canada (99); *Puccinia oahuensis* Ell. & Everh., rust, Cuba (99); *Pythium* spp., root rot, damping-off, USA (75); *Rhizoctonia solani* Kühn, root rot, USA (75); *Sclerospora graminicola* (Sacc.) Schröter, downy mildew, Hungary (99), USA (75); *Septoria* sp., leaf spot, USA (75); *Sporisorium neglectum* (Niessl) Vanky, smut, China, Czechoslovakia (99), USA (75, 235); *Stemphylium botryosum* Wallr., seed mould, USA (75); *Uromyces setariae-italicae* Yosh., rust, India (280), Libya (99), Philippines, Sri Lanka (280); *Ustilago setariae* Rabenh., smut, Argentina, Germany (280)

***Setaria vulpiseta* (Lam.) Roem. & Schult.**

Balansia trinitensis Cooke & Masee, false smut, Peru (83); *Phyllachora cornispora* Atk., tar spot, Barbados (21); *P. microspora* Chardón, tar spot, Colombia (202); *P. minutissima* (Welw. & Currey) A. L. Sm., tar spot, Barbados (200, 212); *Physopella cameliae* (Mayor) Cummins & Ramachar, rust, Mexico, USA (99); *Ustilagoinoidea ochracea* Henn., false smut, Peru (83)

***Setaria* sp.**

Alternaria alternata (Fr.) Keissler, seed pathogen, Pakistan (99); *Balansia pallida* Winter, false smut, Sierra Leone (99); *Beniowskia sphaeroidea* (Kalchbr. & Cooke) Mason, false mildew, Guinea (99); *Cerebella andropogonis* Ces., false smut, Zimbabwe (240); *Cercospora fusimaculans* Atk., leaf spot, Nigeria (99); *Claviceps* sp., ergot, Bolivia (76), Venezuela (278), Zimbabwe (240); *Ephelis* sp., inflorescence mould, Cameroon (99); *Meliola panici* Earle, sooty mould, Guinea (99); *Phaeoseptoria setariae* Punith., leaf spot, Nigeria (99); *Phoma crastophila* (Sacc.) Punith., leaf spot, Ethiopia,

Nigeria (99); *P. minutissima* (Welw. & Currey) A. L. Sm., tar spot, Dominican Republic, Zambia (99), Zimbabwe (212); *P. setariicola* Speg., tar spot, Brazil (212), Tanzania (99); *Phoma* sp., leaf spot, Zimbabwe (99); *Phyllachora bonariensis* Speg., tar spot, Brazil (211); *P. striatella* Maubl., tar spot, Brazil (256); *Puccinia graminis* Pers., rust, Libya (99); *P. substriata* Ell. & Barth. var. *insolita* (H. Sydow & Sydow) Ramachar & Cummins, rust, Sudan (99); *Septoria setariicola* Punith., leaf spot, Nigeria, Zimbabwe (99); *Septoria* sp., leaf spot, Zimbabwe (240); *Sorosporium neglectum* (Niessl) Vanky, kernel smut, Austria, USA (99) *Sorosporium* sp., smut, India (99); *Sphacelia heterosporum* Nees, tar spot, Kenya (177); *Sphacelotheca pamparum* (Speg.) Clinton, smut, USA (235); *Tilletia ayresii* Berk. & Masee, smut, Tanzania (72); *T. echinosperma* Ainsw., smut, Congo, Sierra Leone, Sudan, Uganda (99); *T. heterospora* (Henn.) Zundel, smut, Zimbabwe (240); *Uromyces puttemansii* Rangel, rust, Brazil (256); *U. setariae-italicae* Yosh., rust, Ghana, Libya, Nigeria (99); *Ustilaginoidea ochracea* Henn., false smut, Cameroon (99); *Ustilaginoidea* sp., false smut, Bolivia (76); *Ustilago crameri* Körn., smut, India (235); *U. evansii* Henn., smut, Zimbabwe (99, 240)

SOEMMERINGIA

Soemmeringia sp.

Colletotrichum truncatum (Schwein.) Andrus & Moore, anthracnose, Colombia (147); *Fusarium* sp., leaf spot, Colombia (147)

SORGHUM

Sorghum alnum Parodi (Columbus grass)

Colletotrichum graminicola (Ces.) Wilson, anthracnose, Australia (257), Ghana (97); *Puccinia purpurea* Cooke, rust, Australia (257); *Ramulispora sorghi* (Ell. & Everh.) Olive & Lefebvre, sooty stripe, Australia (257); *Setosphaeria turcica* (Luttr.) Leonard & Suggs, leaf blight, Australia (257)

Sorghum arundinaceum (Willd.) Stapf

Cerebella andropogonis Ces., false smut, Kenya (99); *Cercospora sorghi* Ell. & Everh., leaf spot, Ghana, Sierra Leone, Zambia (99); *Colletotrichum graminicola* (Ces.) Wilson, anthracnose, Ghana (99); *Hendersonia* sp., leaf spot, Malaysia (261); *Periconia echinochloae* (Bat.) M. B. Ellis, leaf spot, India (99); *Polymyxa graminis* Ledingh., root rot, Upper Volta (288); *Puccinia purpurea* Cooke, rust, India (99); *Ramulispora sorghicola* Harris, leaf spot, India (99); *Sclerospora maydis* (Racib.) E. Butler, crazy top, Venezuela (196); *Setosphaeria turcica* (Luttr.) Leonard & Suggs, leaf blight, Ghana (99); *Sphacelia sorghi* McRae, ergot, India (231); *Uromyces clignyi* Pat. & Har., rust, Malawi (26)

Sorghum arundinaceum var. *sudanense* (Stapf) Hitchc. (sudan grass, hierba del sudan, pasto sudan)

Alternaria tenuissima (Pers.) Wiltsh., leaf spot, India (99); *Ascochyta brachypodii* (Sydow) Sprague & Johnson, leaf spot, USA (317); *A. sorghi* Sacc., leaf spot, USA (75); *A. sorghina* Sacc., rough leaf spot, USA (75); *Bipolaris sorghicola* (Lefebvre & Sherwin) Alcorn, target spot, USA (75); *B. sorokiniana* (Sacc.) Shoem., root rot, seedling blight, USA (75); *Cercospora sorghi* Ell. & Everh., leaf spot, El Salvador (282), USA (75); *Cerebella andropogonis* Ces., false smut, Uganda (99);

Cladosporium herbarum (Pers.) Gray, inflorescence blight, Sudan (99); *Cladosporium* sp., inflorescence blight, Sierra Leone (99); *Cochliobolus cynodontis* Nelson, leaf spot, India (99); *C. intermedii* Nelson, leaf spot, Japan (130); *C. lunatus* Nelson & Hassis, foliar blight, Dominican Republic (99), Japan (130); *C. pallescens* (Tsuda & Ueyama) Sivan., foliar blight, Sierra Leone (99); *Corticium rolfsii* Curzi, damping-off and base rot, Australia (257); *Colletotrichum falcatum* Went, anthracnose, Nicaragua (169); *C. graminicola* (Ces.) Wilson, leaf and stalk rot, Australia (257), Barbados (200), Hong Kong (99), Jamaica (145), Nicaragua (169), Philippines (186), Sudan, Tanzania (99), Trinidad & Tobago (22), USA (75, 99); *Fusarium* spp., head mould, USA (75); *Gloeocercospora sorghi* Bain & Edgerton, zonate leaf spot, Australia (257), India (259), USA (75); *Macrophomina phaseolina* (Tassi) Goid., stalk rot, Australia (257); *Periconia circinata* (Mang.) Sacc., milo disease, root rot, USA (75); *Peronosclerospora sorghi* (Weston & Uppal) C. Shaw, downy mildew, Kenya, Sudan, Tanzania, Uganda (99); *Phoma insidiosa* Tassi, leaf spot, Zimbabwe (240); *P. sorghina* (Sacc.) Boerema, Dorenb. & van Kest., leaf spot, USA (75), Zambia, Zimbabwe (99); *P. terrestris* Hansen, pink root, USA (75); *Phyllachora sacchari* Henn., tar spot, Malaysia (99); *Polymyxa graminis* Ledingh., root rot, Upper Volta (288); *Puccinia purpurea* Cooke, rust, Australia (257), Barbados (99, 200), Cyprus, Hong Kong (99), St. Vincent (21, 99), Trinidad & Tobago (22, 99), USA (75), Venezuela (278); *Pyricularia grisea* Sacc., blast, USA (75); *Pythium* sp., root rot, damping-off, USA (75); *Ramulispora sorghi* (Ell. & Everh.) Olive & Lefebvre, sooty stripe, Argentina (99), Australia (257), South America (276), Sudan (99), USA (75); *Rhizoctonia solani* Kühn, root rot, sharp eye spot, USA (75); *Sclerospora macrospora* Sacc., downy mildew, crazy top, USA (75); *S. sorghi* (Kulk.) Western & Uppal, downy mildew, USA (113); *Sphacelotheca cruenta* (Kühn) Potter, smut, Ethiopia (99), Japan (89), USA (75); *S. sorghi* (Link) Clinton, smut, Australia (257, 299), Bolivia (256), Sudan (99); *Setosphaeria rostrata* (Luttr.) Leonard & Suggs, leaf spot, USA (75); *S. turcica* (Luttr.) Leonard & Suggs, leaf blight, Australia (257, 299), Kenya (99), Japan (89), Libya (99), Surinam (276), Sudan (99), USA (75), Zimbabwe (240); *Sporisorium reilianum* (Kühn) Langdon & Fullert., smut, Bolivia, Romania

***Sorghum halepense* (L.) Pers.** (Johnson grass, pasto Johnson, cametillo)

Alternaria tenuissima (Pers.) Wiltsh., leaf spot, India (99); *Ascochyta sorghi* Sacc., leaf spot, Caribbean (20), Sudan (99, 228), USA (75); *Bipolaris sorghicola* (Lefebvre & Sherwin) Shoem., leaf blight, India (99), USA (75); *Cercospora fusimaculans* Atk., leaf spot, USA (300); *C. sorghi* Ell. & Everh., leaf spot, El Salvador (57), Mauritius, Tonga (99), USA (75), Venezuela (99); *Cerebella andropogonis* Ces., false smut, Zambia (99); *Choanephora cucurbitarum* (Berk. & Rav.) Thaxter, pre-emergence rot, India (236); *Cochliobolus lunatus* Nelson & Haasis, foliar blight, India (99); *C. pallescens* (Tsuda & Ueyama) Sivan., foliar blight, India (138), Venezuela (99); *Colletotrichum falcatum* Went, red rot, leaf spot, USA (75); *C. graminicola* (Ces.) Wilson, leaf spot and stalk rot, Australia (257), Caribbean (20), Philippines (186), Sudan (99), USA (75); *C. sublineolum* Henn., leaf spot, Australia (299); *C. truncatum* (Schwein.) Andrus & Moore, anthracnose, Puerto Rico (281); *Curvularia senegalensis* (Speg.) Subram., leaf spot, USA (313); *Exserohilum rostratum* (Drechs.) Leonard & Suggs, leaf spot, USA (75); *Fusarium* sp., head mould, USA (75); *Gloeocercospora sorghi* Deighton, leaf blotch, El Salvador (57, 282), India (259), USA (75); *Leptosphaerulina argentinensis* (Speg.) Graham & Luttr., leaf spot, USA (86); *Periconia circinata* (Mangin) Sacc., milo disease, Australia (185), USA (75); *Peronosclerospora sorghi* (Weston & Uppal) C. Shaw, downy mildew, Venezuela (99); *Phoma insidiosa* Tassi, leaf spot, Caribbean (20); *P. sorghina* (Sacc.) Boerema, Dorenb. & van Kest., leaf spot, USA (75); *Phyllachora sacchari* Henn., tar spot, Malaysia, Papua New Guinea (99), Philippines (211); *Puccinia purpurea* Cooke, rust, Australia (99, 257, 299), Cuba, Dominican Republic (99), El Salvador (57, 282), India (99), Jamaica (62), Malaysia, Malta, Mexico, Palestine, Philippines (99), USA (75, 99), Venezuela (99, 278, 310); *Pythium* spp., root rot, damping-off, USA (75); *Ramulispora sorghi* (Ell. & Everh.) Olive & Lefebvre, sooty stripe, India (99), USA (75); *Rhizoctonia solani* Kühn, root rot,

brown patch, USA (75); *Sclerospora graminicola* (Sacc.) Schröter, downy mildew, Puerto Rico (99); *S. sorghi* (Kulk.) Western & Uppal, downy mildew, India, USA (236); *Sclerospora* sp., downy mildew, USA (75); *Septoria pertusa* Heald & Wolf, leaf spot, USA (75); *Setosphaeria turcica* (Luttr.) Leonard & Suggs, leaf blight, Australia (257, 299), El Salvador (57, 282), Ghana (97, 99), Italy (99), USA (75, 309), USSR (33), Venezuela (99); *Sphacelia sorghi* McRae, ergot, India (231); *Sphacelotheca cruenta* (Kühn) Potter, smut, France (297), Greece (99), India (99, 231), Iraq (99), Pakistan (2), Tanzania (301), USA (75, 99); *S. holci-sorghii* (Rivolta) Cif., smut, Iran (99), USA (75); *S. reiliana* (Kühn) Clinton, head smut, Australia (99, 299), Caribbean (20), Cyprus, Malaysia (99), Pakistan (2), Romania, Yugoslavia (99); *S. sorghi* (Link) Clinton, covered smut, Australia (257), Caribbean (20), India (193), Iraq, Romania (99), USA (75, 99); *Sporisorium reilianum* (Kühn) Langdon & Fullert., smut, Greece (99)

Sorghum leiocladum (Hackel) C. E. Hubbard (native sorghum)

Claviceps pusilla Ces., ergot, Australia (144); *Claviceps* sp., ergot, Australia (257); *Ephelis* sp., false smut, Australia (257); *Sclerospora noblei* Weston, downy mildew, Australia (257); *Sphacelotheca sorghi* (Link) Clinton, smut, Australia (257)

Sorghum plumosum (R. Br.) Beauv. (plume sorghum)

Sphacelotheca sorghi (Link) Clinton, smut, Australia (257); *Ustilago porosa* Langdon, smut, Australia (257)

Sorghum purpureo-sericeum (Hochst.) Asch. & Schweinf.

Fusarium sp., not stated, Sudan (99); *Ramulispora sorghi* (Ell. & Everh.) Olive & Lefebvre, leaf spot, Sudan (99); *Tolyposporium ehrenbergii* (Kühn) Pat., smut, India (193), Sudan (99); *Tolyposporium ehrenbergii* (Kühn) Pat. var. *grandiglobum* Uppal & Patel, smut, India (99)

Sorghum verticilliflorum (Steud.) Stapf (wild sorghum)

Cercospora sorghi Ell. & Everh., leaf spot, Mauritius (207); *Ephelis* sp., false smut, Australia (257), Reunion Islands (85); *Polymyxa graminis* Ledingh., root rot, Upper Volta (288); *Puccinia purpurea* Cooke, rust, Australia (257), Malawi (26); *Sclerospora macrospora* Sacc., downy mildew, Australia (257); *Sphacelotheca transvaalensis* Zundel, smut, Zimbabwe (240)

SPOROBOLUS

Sporobolus affinis A. Rich.

Ascochyta sporoboli Castell. & Graniti, leaf spot, Ethiopia (228), Italy (99)

Sporobolus africanus (Poirot) A. Robyns & Tournay (Parramatta grass)

Bipolaris crustacea (Henn.) Alcorn, ovary parasite, Australia (9, 99), South Africa (9); *B. cylindrica* Alcorn, ovary parasite, Australia (9); *Cochliobolus ravenelii* Alcorn, sooty spike, Australia (99, 257), New Zealand (99); *Epichloe cinerea* Berk. & Broome, choke, Australia (257), South Africa (99); *Mycosphaerella tassiana* (de Not.) Johans., leaf spot, Australia (257); *Puccinia luxuriosa* Sydow & H. Sydow, rust, South Africa (99); *Uromyces tenuicutis* McAlp., rust, Australia (99, 144, 257)

Sporobolus airoides (Torr.) Torr.

Puccinia luxuriosa Sydow & H. Sydow, rust, USA (99); *P. cryptandii* Ell. & Barth. var. *luxurians* (Arthur) Cummins & H. C. Greene, rust, USA (99)

***Sporobolus arabicus* Boiss.**

Ascochyta ahmadii Punith., leaf spot, Pakistan (99, 228); *Phyllachora afra* H. Sydow, tar spot, India (99); *Tolyposporella sporoboli* Jackson, smut, Pakistan (99); *Uromyces tenuicutis* McAlp., rust, Pakistan (99)

***Sporobolus argutus* (Nees) Kunth**

Tolyposporella sporoboli Jackson, smut, Dominican Republic (99); *Uredo egenula* Arthur, rust, Jamaica (146); *Uromyces bravensis* Cummins, rust, Dominican Republic (99)

***Sporobolus asperifolius* (Nees & Mez) Nees**

Phyllachora graminis (Fr.) Fuckel, tar spot, USA (99); *Puccinia schedonnardi* Kellerm. & Swing., tar spot, USA (99)

***Sporobolus brevifolius* (Nees) Nees**

Phyllachora graminis (Fr.) Fuckel, tar spot, USA (99)

***Sporobolus buckleyi* Vasey**

Puccinia vilfae Arthur & Holway var. *mexicana* Cummins, rust, Mexico (99)

***Sporobolus caroli* Mez**

Bipolaris australis Alcorn, ovary parasite, Australia (9, 99)

***Sporobolus cryptandrus* (Torr.) A. Gray**

Puccinia cryptandri Ell. & Barth. var. *cryptandri*, rust, USA (99)

***Sporobolus cuspidata* (Torr.) Wood**

Puccinia schedonnardi Kellerm. & Swing., rust, USA (99)

***Sporobolus diander* (Retz.) Beauv.**

Bipolaris cylindrica Alcorn, false sooty mould, Australia (9), Papua New Guinea (250); *Cochliobolus ravenelii* Alcorn, sooty spike, Australia (9, 99), India (99), Malaysia (99, 261), Papua New Guinea (250), Sri Lanka (99); *Uromyces tenuicutis* McAlp., rust, India (99)

***Sporobolus drinklagei* Mez**

Drechslera sp., leaf spot, Sierra Leone (99); *Phyllachora afra* H. Sydow, tar spot, Sierra Leone (99)

***Sporobolus drummondii* (Trin.) Vasey**

Puccinia vilfae Arthur & Holway, rust, USA (99)

***Sporobolus elongatus* R. Br. (slender rat's-tail grass)**

Bipolaris crustacea (Henn.) Alcorn, ovary parasite, Australia (9); *B. cylindrica* Alcorn, ovary parasite, Australia (9); *Cochliobolus ravenelii* Alcorn, sooty spike, Australia (9, 257), Hong Kong, Philippines (99); *Phyllachora sylvatica* Sacc. & Speng., tar spot, Australia (257); *Urohendersonia stipae* H. Greene, leaf spot, Australia (99)

***Sporobolus fertilis* (Steud.) W. D. Clayton**

Bipolaris crustacea (Henn.) Alcorn, ovary parasite, Australia (9); *Cochliobolus ravenelii* Alcorn, sooty spike, India (99); *Uromyces tenuicutis* McAlp., rust, India (99)

***Sporobolus fimbriatus* Nees**

Bipolaris crustacea (Henn.) Alcorn, ovary parasite, Australia (9), South Africa (9, 99); *Puccinia kakamariensis* Wakef. & Hansf., rust, Kenya (99); *P. schedonnardi* Kellerm. & Swing., rust, South Africa (99)

***Sporobolus glaucifolius* Steud.**

Phyllachora vulgata Theiss. & H. Sydow, tar spot, Pakistan (99, 127)

***Sporobolus helvolus* (Trin.) Th. Dur. & Schinz**

Khuskia oryzae Hudson, leaf blight, Ethiopia (99)

***Sporobolus heterolepsis* (A. Gray) A. Gray**

Puccinia sporoboli Arthur, rust, USA (99)

***Sporobolus indicus* (L.) R. Br.**

Bipolaris ovariicola Alcorn, ovary parasite, Australia, Indonesia, Malaysia (9); *Cochliobolus ravenelii* Alcorn, sooty spike, Azores, Costa Rica (99), Ghana (97, 99), Hong Kong (99), Jamaica (99, 146), Mauritius, Philippines (99), Puerto Rico (285), Taiwan, Trinidad, Uruguay, USA (99), Venezuela (99, 278), Zimbabwe (99); *Epichloe cinerea* Berk. & Broome, choke, Ghana (2, 99); *Helminthosporium* sp., leaf spot, Venezuela (278); *Periconia lateralis* Ell. & Everh., leaf spot, Ghana (2, 99); *Phyllachora afra* H. Sydow, tar spot, Ghana (2, 99); *P. sporoboli* Pat., tar spot, Ghana (99, 211); *Uromyces ignobilis* (H. Sydow & Sydow) Arthur, rust, Barbados, Dominican Republic, Grenada (21), Puerto Rico (285), St. Vincent (21); *U. tenuicutis* McAlp., rust, Grenada, India (99), Puerto Rico (281), St. Vincent, Trinidad, West Indies, Zimbabwe (99); *U. wellingtonica* T. S. & K. Ramakr., rust, India (231); *Ustilago sporoboli-indici* Ling, smut, China (99)

***Sporobolus mitchellii* (Trin.) C. E. Hubbard**

Bipolaris australis Alcorn, ovary parasite, Australia (9)

***Sporobolus myrianthus* Hook.**

Phyllachora afra H. Sydow, tar spot, Nigeria (99, 211)

***Sporobolus pallidus* Lindl.**

Uromyces tenuicutis McAlp., rust, India (99)

***Sporobolus panicoides* A. Rich.**

Puccinia kakamoriensis Wakef. & Hansf., rust, Malawi (26, 99)

***Sporobolus patulus* Hackel**

Claviceps sp., ergot, Zambia (99); *Ustilago deformis* Lee Ling, smut, Sierra Leone (99); *U. spinulosa* Lee Ling, smut, Sierra Leone (99)

***Sporobolus poiretii* (Roem. & Schult.) Hitchc. (smut grass)**

Balsania epichloe (Weese) Diehl, false smut, USA (12, 99); *Cochliobolus eragrostidis* (Tsuda & Ueyama) Sivan., leaf blight, USA (99); *C. geniculatus* Nelson, leaf mould, Singapore (99), USA (12); *C. pallescens* (Tsuda & Ueyama) Sivan., leaf spot, Singapore (99); *C. ravenelii* Alcorn, sooty spike, Jamaica (99, 146), Malaysia (99, 261), Singapore (99), USA (12, 99), Venezuela (99); *Fusarium sambucinum* Fuckel, not stated, Singapore (99); *Uromyces tenuicutis* McAlp., rust, Indonesia (99), Jamaica (99, 146), Malaysia (99, 261)

***Sporobolus pyramidalis* Beauv.**

Bipolaris ovariicola Alcorn, ovary parasite, South Africa (9); *Cochliobolus lunatus* Nelson & Haasis, leaf spot, Guinea (99); *C. ravenelii* Alcorn, sooty spike, Ghana (97, 99), Guinea, Kenya, Malawi, Zambia (99), Zimbabwe (95); *Epichloe cinerea* Berk. & Broome, choke, Ghana (97), Nigeria, Zambia (99); *Hendersonia culmicola* Sacc., leaf spot, Zimbabwe (99); *Leptosphaeria* sp., leaf spot, Guinea, Zambia (99); *Nigrospora sphaerica* (Sacc.) Mason, leaf spot, Ghana (99); *Phaeoseptoria* sp., leaf spot, Zambia (99); *Phyllachora afra* H. Sydow, tar spot, Ghana (97, 99), Sierra Leone (99, 211); *P. sporoboli* Pat., tar spot, Australia (212), South Africa (99); *P. sporobolica* Petrak & Cif., tar spot, Dominican Republic (212); *Periconia atropurpurea* (Berk. & M. A. Curtis) Litvinov, leaf spot, Sierra Leone (99); *P. lateralis* Ell. & Everh., leaf spot, Ghana (97, 99), Sierra Leone (99); *P. minutissima* Corda, leaf spot, Ghana (99); *Puccinia arundinellae-setosae* Tai, rust, Kenya (99); *Uromyces bravensis* Cummins, rust, USA (99); *U. sporobolicola* Lindq., rust, Mexico (99); *U. tenuicutis* McAlp., rust, Ghana, Guinea, Kenya (99), Malawi (26, 99), Sierra Leone, Uganda (99), Zimbabwe (95, 99)

***Sporobolus robustus* Kunth**

Phyllachora sporoboli Pat., tar spot, Ghana (99, 211), Malawi (99)

***Sporobolus ruspolianus* Chiov.**

Ascochyta brachypodii (Sydow) Sprague & Johnson var. *ruspoliani* Punith., leaf spot, Somalia (99)

***Sporobolus tenacissimus* (L.) Beauv.**

Cochliobolus ravenelii Alcorn, sooty spike, Brazil (28)

***Sporobolus tremulus* Kunth**

Ustilago sporoboli-tremuli T. S. & K. Ramakr., smut, India (193, 231)

***Sporobolus virginicus* (L.) Kunth**

Phyllachora sporoboli Pat., tar spot, Australia (212); *Uromyces tenuicutis* McAlp., rust, Puerto Rico (281)

***Sporobolus wrightii* Scribn.**

Puccinia cryptandri Ell. & Barth. var. *luxurians* (Arthur) Cummins & H. C. Greene, rust, Mexico, USA (99)

***Sporobolus* sp.**

Bipolaris crustacea (Henn.) Alcorn, ovary parasite, Australia, Burma, Indonesia (9); *B. cylindrica* Alcorn, ovary parasite, Australia (9); *Colletotrichum graminicola* (Ces.) Wilson, anthracnose, Trinidad (99); *Epichloe cinerea* Berk. & Broome, choke, Ghana, Kenya (99); *Periconia lateralis* Ell. & Everh., leaf spot, Ghana (99); *Phyllachora vulgata* Theiss. & H. Sydow, tar spot, USA (99); *Puccinia cryptandri* Ell. & Holway var. *cryptandri*, rust, Ethiopia (99); *Tolyposporella sporoboli* Jackson, smut, Pakistan (99); *Ustilagoideia ochracea* Henn., false smut, Malaysia (99, 261)

STYLOSANTHES***Stylosanthes angustifolia* Vogel**

Colletotrichum gloeosporioides (Penz.) Penz. & Sacc., leaf and stem spot, Brazil, Colombia (147)

Stylosanthes aurea M. B. Ferreira & S. Costa

Colletotrichum gloeosporioides (Penz.) Penz. & Sacc., leaf and inflorescence spot, Brazil (147);
Puccinia stylosanthis Viegas, rust, Brazil (99, 162)

Stylosanthes biflora (L.) BSP

Cercospora commonsii Chupp, leaf spot, USA (53); *Colletotrichum gloeosporioides* (Penz.) Penz. & Sacc., leaf and stem spot, USA (147); *Phoma* sp., leaf spot, USA (75)

Stylosanthes bracteata Vogel

Colletotrichum gloeosporioides (Penz.) Penz. & Sacc., leaf spot, Brazil, Colombia (147)

Stylosanthes campestris M. B. Ferreira & S. Costa

Colletotrichum gloeosporioides (Penz.) Penz. & Sacc., stem lesion, Brazil (147)

Stylosanthes capitata Vogel (capica, capitata)

Ascochyta sp., leaf spot and seed associate, Colombia (147, 208); *Bipolaris* sp., seed associate, Colombia (208); *Botryosphaeria ribis* Grossenb. & Dugg., stem rot, Brazil, Colombia (155, 165); *Cochliobolus geniculatus* Nelson, leaf spot, Trinidad (99); *Colletotrichum gloeosporioides* (Penz.) Penz. & Sacc., leaf and stem spot, dieback, Australia (65), Brazil, Colombia, Costa Rica, Ecuador, Peru, Venezuela (147, 155, 165); *C. truncatum* (Schwein.) Andrus & Moore, leaf spot, Brazil, Colombia, Ecuador, Venezuela, Peru (147, 165); *Coniothyrium fuckelii* Sacc., seed associate, Colombia (208); *Corticium rolfsii* Curzi, wilt and stem rot, Brazil (147), Colombia (149), Panama, Peru, Venezuela (147); *Curvularia* sp., seed associate, Colombia (208); *Eurotium* sp., seed associate, Colombia (208); *Fusarium solani* (Mart.) Sacc., seed associate, Brazil (99); *Fusarium* sp., seed associate, Colombia (208); *Gloeocercospora* sp., leaf spot and seed associate, Colombia (147, 208); *Leptosphaerulina* sp., leaf spot and seed associate, Colombia (147, 208); *Macrophomina phaseolina* (Tassi) Goid., wilt and root rot, Colombia (155); *Myrothecium* sp., leaf spot, Colombia (147); *Neocosmospora vasinfectum* E. F. Sm., wilt, Brazil, Colombia, Peru (147); *Pestalotia* sp., leaf spot, Colombia (147); *Pestalotiopsis* sp., seed associate, Colombia (208); *Phoma sorghina* (Sacc.) Boerema, Dorenb. & van Kest., leaf and stem spot and seed associate, Colombia (147, 208); *Phomopsis* sp., leaf spot, seed associate, Colombia (147), Trinidad (99); *Physarum* sp., slime mold, Brazil, Colombia (155); *Pleospora* sp., leaf spot, Colombia (147); *Pseudocercospora* sp., variegated leaf spot, Brazil, Colombia (147); *Pyrenochaeta* sp., seed associate, Colombia (99, 147); *Rhizoctonia solani* Kühn, foliar blight, Colombia (147); *Rhizopus stolonifer* (Fr.) Lind, inflorescence blight and rot, seedling blight, Colombia (155)

Stylosanthes erecta Beauv.

Colletotrichum gloeosporioides (Penz.) Penz. & Sacc., leaf and stem spot, Angola, Nigeria (147), USA (75), Zaire (147)

Stylosanthes fruticosa (Retz.) Alston (wild lucerne) (syn. *S. mucronata* Willd.)

Cercospora stylosanthis Sp., leaf spot, Zambia (99); *Colletotrichum gloeosporioides* (Penz.) Penz. & Sacc., leaf and stem spot, dieback, Angola (147), Australia (100), Botswana, Brazil, Colombia, Ethiopia, Kenya, Malawi, Mozambique, Nigeria, Tanzania, USA, Zaire, Zambia (147, 155), Zimbabwe (99, 147, 240); *C. truncatum* (Schwein.) Andrus & Moore, leaf and stem spot, Colombia (147); *Puccinia stylosanthis* Viegas, rust, Angola, Ethiopia, Kenya, Mozambique (147), Nigeria (99, 147), South Africa, Tanzania, Zimbabwe (147); *Uredo stylosanthis* Henn., rust, South Africa (99), Tanzania (72, 99), Zimbabwe (99)

Stylosanthes grandifolia M. B. Ferreira & S. Costa

Cercospora stylosanthis Speg., leaf spot, Brazil (147); *Colletotrichum gloeosporioides* (Penz.) Penz. & Sacc., leaf and stem spot, Brazil, Colombia (99)

Stylosanthes guianensis (Aublet) Sw. (common stylo, alfalfa tropical, estilosantes)

Choanephora trispora Thaxter, blossom blight, Malaysia (110, 261); *Botryodiplodia theobromae* Pat., associated with root rot, Malaysia (165, 170, 308); *Botrytis cinerea* Pers., head blight, Australia (203, 257); *Capnodium* sp., sooty blotch, Colombia (155); *Cercospora canescens* Ell. & Mart., leaf spot, Ethiopia (147), Malawi (99, 155), Nigeria, Zimbabwe (147); *C. stylosanthis* Speg., leaf spot, Brazil, Colombia, Peru (99, 147, 155, 165); *Cladosporium cladosporioides* (Fres.) de Vries, seed associate, Australia (315); *Cladosporium* sp., inflorescence blight, Brazil (155); *Cochliobolus geniculatus* Nelson, leaf spot, Colombia, Malaysia (99); *C. pallescens* (Tsuda & Ueyama) Sivan., leaf spot, Malaysia (99); *C. setariae* (S. Ito & Kuribay.) Dastur, leaf spot, Australia (99); *Colletotrichum gloeosporioides* (Penz.) Penz. & Sacc., leaf and stem spot, dieback, Angola (147), Australia (100), Belize, Bolivia, Brazil, Colombia, Costa Rica, Cuba, Ecuador (153, 165), Ethiopia, French Guyana, India, Ivory Coast, Kenya (147), Malaysia (99, 110), Mexico (153), Nigeria (147), Panama, Peru (153), Solomon Islands (147), Thailand (147), USA (75, 274), Venezuela (153), Zimbabwe (147); *C. truncatum* (Schwein.) Andrus & Moore, leaf and stem spot, Australia, Bolivia, Brazil, Colombia, Peru (147, 155, 165), USA (75), Venezuela (147, 155, 165); *Colletotrichum* sp., leaf and stem spot, Australia, Cameroon, Malaysia (99); *Coniothyrium fuckelii* Sacc., leaf spot, Solomon Islands (99); *Corticium rolfsii* Curzi, collar rot, Colombia (149), Papua New Guinea (250); *Curvularia* sp., seed associate, Colombia, Australia, USA (147); *Cylindrocladium scoparium* Morgan var. *mauritiense* Peeraly, leaf spot, India (99); *Diplodia* sp., collar rot, India (155); *Drechslera* sp., leaf spot, Australia (99); *Fusarium equiseti* (Corda) Sacc., seed associate, Australia (315); *F. fusarioides* (Gonz. Frag. & Cif.) C. Booth, seed associate, Australia (2); *F. moniliforme* Sheldon var. *subglutinans* Wollenw. & Reink., root rot, Malaysia (99); *F. oxysporum* Schlecht., seed associate, Australia (315); *F. solani* (Mart.) Sacc., root rot and seed associate, Colombia (99, 147), Malaysia (170), Nigeria (99, 147); *Fusarium* sp., seed associate, Colombia (147); *Leptosphaerulina argentinensis* (Speg.) Graham & Luttr., leaf spot, Australia (101); *Macrophomina phaseolina* (Tassi) Goid., wilt, Colombia (157); *Myrothecium* sp., leaf spot, Colombia (147); *Neocosmospora vasinfecta* E. F. Sm., wilt, Brazil, Colombia, Peru (147); *Phanerochaete salmonicolor* Berk. & Broome, pink disease, Malaysia (99, 170, 308); *Phoma sorghina* (Sacc.) Boerema, Dorenb. & van Kest., leaf spot, seed associate, Australia (314), Colombia (99, 147); *Phoma* sp., leaf and stem spot, seed associate, Colombia, Nigeria (147, 155); *Phomopsis* sp., not stated, Malaysia, Nigeria (99); *Physarum cinereum* (Batsch) Pers., slime mould, Uganda (99); *Puccinia stylosanthis* Viegas, rust, Brasil (99, 147); *Pythium aphanidermatum* (Edson) Fitzp., damping-off, USA (155); *P. butleri* Subram., seedling wilt, Australia (5); *Rhizoctonia solani* Kühn, foliar blight, Australia (203), Brazil, Colombia, Costa Rica (147, 155, 165), Malaysia (110, 293), Panama, Peru (147, 155, 165), Solomon Islands (99), Venezuela (147, 155, 165); *Rhizoctonia* sp. (binucleate), foliar blight, Colombia (147); *Sclerotinia sclerotiorum* (Lib.) de Bary, foot and stem rot, seed associate, India (179), Zimbabwe (240)

Stylosanthes hamata (L.) Taubert (Caribbean stylo, verano stylo, afalita)

Botrytis cinerea Pers., stem and inflorescence blight, Australia (203), Colombia (147, 155); *Cercospora* sp., leaf spot, Jamaica (99, 146); *Colletotrichum gloeosporioides* (Penz.) Penz. & Sacc., leaf and stem spot and dieback, Australia (100, 203), Bolivia, Brazil, Colombia, Ethiopia, Nigeria, Panama (153, 155), Papua New Guinea (250), Peru, Thailand (153, 155), USA (75, 147, 155), Venezuela (153, 155); *C. truncatum* (Schwein.) Andrus & Moore, leaf and stem spot, Australia (159), Brazil, Colombia, Ethiopia, Nigeria, Peru, Thailand (147), USA (75, 147); *Corticium rolfsii* Curzi, seedling rot and blight, Colombia (149); *Phoma sorghina* (Sacc.) Boerema, Dorenb. & van Kest., seed associate, Ivory Coast (99); *Rhizoctonia solani* Kühn, foliar blight, Papua New Guinea

(250); *Rhizopus stolonifer* (Fr.) Lind, inflorescence blight, USA (158); *Sclerotinia sclerotiorum* (Lib.) de Bary, foot and stem rot, India (179)

Stylosanthes humilis HBK (Townsville lucerne, Townsville stylo, stylo anual)

Botrytis cinerea Pers., inflorescence and stem blight, seed associate, Australia (155, 203, 257, 299, 315); *Cercospora canescens* Ell. & Mart., leaf spot, Malawi (99); *Cochliobolus eragrostidis* (Tsuda & Ueyama) Sivan., leaf spot, Australia (99); *Colletotrichum capsici* (H. Sydow) E. Butler & Bisby, anthracnose, Australia (99); *C. gloeosporioides* (Penz.) Penz. & Sacc., stem and leaf spot, dieback, Australia (100, 203), Belize, Bolivia, Brazil, Colombia, Costa Rica, Cuba, Ecuador (153, 155), India (99), Panama, Peru, Thailand, USA (75, 274), Venezuela (153, 155); *C. truncatum* (Schwein.) Andrus & Moore, leaf and stem spot, Australia, Bolivia, Brazil, Colombia, Ecuador, Peru, Venezuela (147, 155, 159); *Corticium rolfsii* Curzi, crown and collar rot, Australia (257), Colombia (149), Malaysia (278); *Fusarium acuminatum* Ell. & Everh., seed associate and seedling pathogen, Australia (99); *F. avenaceum* (Fr.) Sacc., seed associate and seedling pathogen, Australia (99); *F. equiseti* (Corda) Sacc., seed associate and seedling pathogen, Australia (99, 315); *F. fusarioides* (Gonz. Frag. & Cif.) C. Booth, seed associate, Australia (315); *F. oxysporum* Schlecht., seed associate and seedling pathogen, Australia (99); *F. semitectum* Berk. & Rav., seed associate, Australia (99); *F. sporotrichioides* Sherbak., seed associate and seedling pathogen, Australia (99, 315); *Macrophomina phaseolina* (Tassi) Goid., wilt, India (99); *Myrothecium leucotrichum* (Peck) Tulloch, leaf spot and seed associate, Australia (99); *Phoma sorghina* (Sacc.) Boerema, Dorenb. & van Kest., seed associate and seedling pathogen, Australia (235, 314); *Pythium aphanidermatum* (Edson) Fitzp., damping off, USA (155); *Rhizoctonia solani* Kühn, foliar blight, Brazil, Colombia, Peru (147, 155), USA (155); *Rhizoctonia* sp., seed associate, Australia (299); *Sclerotinia sclerotiorum* (Lib.) de Bary, foot and stem rot, India (179)

Stylosanthes leiocarpa Vogel

Colletotrichum gloeosporioides (Penz.) Penz. & Sacc., leaf and stem spot, Brazil, Colombia (147)

Stylosanthes macrocephala M. B. Ferreira & S. Costa

Colletotrichum gloeosporioides (Penz.) Penz. & Sacc., stem spot, Australia (65), Brazil, Colombia, (147); *Corticium rolfsii* Curzi, wilt, Colombia (149); *Phoma sorghina* (Sacc.) Boerema, Dorenb. & van Kest., seed associate, leaf spot, Colombia (99, 147); *Pseudocercospora* sp., variegated leaf spot, Brazil, Colombia (147); *Puccinia stylosanthis* Viegas, rust, Brazil (147)

Stylosanthes pilosa M. B. Ferreira & S. Costa

Colletotrichum gloeosporioides (Penz.) Penz. & Sacc., leaf and stem spot and dieback, Brazil, Colombia (147); *C. truncatum* (Schwein.) Andrus & Moore, leaf and stem spot, Brazil, Colombia (147)

Stylosanthes scabra Vogel (shrubby stylo, seca)

Botryodiplodia sp., dieback, Australia (99); *Botryosphaeria ribis* Grossenb. & Dugg., stem canker, Brazil, Colombia (147, 155); *Colletotrichum gloeosporioides* (Penz.) Penz. & Sacc., leaf and stem spot and dieback, Australia (100), Bolivia, Brazil, Colombia, Peru (147, 153, 155), USA (75, 147), Venezuela (147, 155); *C. truncatum* (Schwein.) Andrus & Moore, leaf and stem spot, Bolivia, Brazil (147), Colombia (147, 235), Peru, Venezuela (147), USA (75, 147); *Corticium rolfsii* Curzi, collar rot, Brazil, Colombia, Thailand (147, 149); *Neocosmospora vasinfecta* E. L. Sm., wilt, Brazil, Colombia (147)

Stylosanthes subsericea Blake

Colletotrichum gloeosporioides (Penz.) Penz. & Sacc., leaf spot and stem canker, USA (75); *C. truncatum* (Schwein.) Andrus & Moore, leaf spot, USA (75)

***Stylosanthes sundaica* Taubert**

Rhizoctonia solani Kühn, leaf rot, Malaysia (293)

***Stylosanthes sympodialis* Taubert**

Colletotrichum gloeosporioides (Penz.) Penz. & Sacc., leaf and stem spot, Brazil, Colombia, Panama (147)

***Stylosanthes viscosa* Sw. (sticky stylo, comino sabanero)**

Botrytis cinerea Pers., head blight, Zimbabwe (240); *Colletotrichum gloeosporioides* (Penz.) Penz. & Sacc., leaf and stem spot, Australia (100), Brazil, Colombia (147, 153, 155); *Corticium rolfsii* Curzi, collar rot, Colombia (149); *Puccinia stylosanthis* Viegas, rust, Brazil (162)

***Stylosanthes* sp.**

Botrytis cinerea Pers., inflorescence and stem blight, Australia (203); *Cercospora stylosanthis* Speg., leaf spot, Paraguay (53, 99); *Cochliobolus setariae* (S. Ito & Kuribay.) Dastur, leaf spot, Australia (99); *Colletotrichum gloeosporioides* (Penz.) Penz. & Sacc., anthracnose, Australia (203); *C. truncatum* (Schwein.) Andrus & Moore, anthracnose, USA (148); *Diplodia* sp., collar rot, Malaysia (308); *Fusarium longipes* Wollenw. & Reink., not stated, Australia (99); *F. moniliforme* Sheldon var. *subglutinans* Wollenw. & Reink., root rot, Nigeria (99); *Myrothecium verrucaria* (Alb. & Schwein. : Fr.) Fr., leaf spot, Australia (99); *Parodiella hedysari* (Schwein.) S. Hughes, leaf mould, Costa Rica, Panama (279); *Periconia* sp., leaf spot, Australia (99); *Pestalotiopsis* sp., leaf spot, Hong Kong (99); *Phoma sorghina* (Sacc.) Boerema, Dorenb. & van Kest., leaf spot and seedling blight, Australia, Nigeria (99); *Phomopsis* sp., not stated, Bolivia (99); *Phyllosticta* sp., leaf spot, Zambia (99)

TEPHROSIA***Tephrosia bracteolata* Guill. & Perr.**

Ravenelia tephrosiae Kalchbr., rust, Nigeria (99)

***Tephrosia candida* (Roxb.) DC.**

Alternaria longissima Zimmerm., leaf spot, Sierra Leone (99); *Cercospora* sp., leaf spot, Sierra Leone (99); *Corticium rolfsii* Curzi, wilt and root rot, Malaysia (99, 261); *Cylindrosporium tephrosiae* Hansf., leaf spot, Kenya (99); *Elsinoe tephrosiae* Hansf., scab, Uganda (99); *Fusarium* sp., root rot, Malaysia (261); *Ganoderma pseudoferreum* (Wakef.) v. Overseem & Steinm., red root, Malaysia (261); *Macrophomina phaseolina* (Tassi) Goid., root rot, Sri Lanka (99); *Meliola meibomia* (F. L. Stev.) Cif., sooty mould, India (99); *M. stizolobii* Hansf. & Deighton var. *desmodii-salicifolii* Hansf. & Deighton, sooty mould, Papua New Guinea (250); *Nectria haematococca* Berk. & Broome, stem rot, India (99), Malaysia (99, 261); *Phanerochaete salmonicolor* (Berk. & Broome) Jülich, pink disease, Malaysia (261), Papua New Guinea (250); *Ravenelia tephrosiicola* Hirats., rust, Hong Kong (99), Malaysia (99, 261); *Uredo tephrosiicola* Henn., rust, India (231)

***Tephrosia cinerea* (L.) Pers.**

Ravenelia caulicola Arthur, rust, Puerto Rico, West Indies (281)

Tephrosia heckmanniana Harms*Ravenelia tephrosiae* Kalchbr., rust, Zimbabwe (95, 99, 240)***Tephrosia hispidula*** (Michaux) Pers.*Cercospora tephrosiae* Atk., leaf spot, USA (53); *Ravenelia epiphylla* (Schwein.) Deitel, rust, USA (75)***Tephrosia lathyroides*** Guill. & Perr.*Cercosporidium tephrosiae* (Khan & Kamal) Deighton, leaf spot, Sudan (99)***Tephrosia pumila*** (Lam.) Pers.*Cercospora hardwarensis* Narasimh., leaf spot, India (99)***Tephrosia purpurea*** (L.) Pers.*Alternaria alternata* (Fr.) Keissler, foliar blight, India (99); *Ascochyta* sp., leaf spot, India (99); *Cercospora hardwarensis* Narasimh., leaf spot, Burma (99), India (99, 231); *Cercosporidium tephrosiae* (Khan & Kamal) Deighton, leaf spot, India (99); *Cladosporium oxysporum* Berk. & M. A. Curtis, green mould, India (99); *Cochliobolus lunatus* Nelson & Haasis, leaf spot, India (99); *Colletotrichum truncatum* (Schwein.) Andrus & Moore, anthracnose, India (99); *Erysiphe cichoracearum* DC., powdery mildew, India (99); *Erysiphe* sp., powdery mildew, India (99); *Neocosmospora vasinfecta* E. L. Sm., wilt, Guyana (99); *Oidium* sp., powdery mildew, India (99, 231), Mauritius (99, 207); *Phyllosticta tephrosiae* Agarwal, leaf spot, India (99); *Pseudocercospora* sp., leaf spot, India (99); *Pyrenochaeta tandonii* Agarwal & Hasija, leaf spot, India (99); *Ravenelia* sp., rust, India (99); *Uredo tephrosiae* Rabenh., rust, India (231)***Tephrosia uniflora*** Pers.*Cercosporidium tephrosiae* (Khan & Kamal) Deighton, leaf spot, Sudan (99)***Tephrosia vogelii*** Hook. f.*Alternaria alternata* (Fr.) Keissler, foliar blight, India (99); *Botryosphaeria disrupta* (Berk. & M. A. Curtis) v. Arx & E. Müller, dieback, Uganda (99); *Cercospora* sp., leaf spot, Papua New Guinea (99, 250); *Elsinoe tephrosiae* Hansf., scab, Uganda (99); *Fomes noxius* Corner, brown root, Malaysia (261); *Gnomonia* sp., leaf spot, Malaysia (261); *Meliola bicornis* Winter var. *tephrosiae* Beeli, sooty mould, Uganda (99); *Neocosmospora vasinfecta* E. L. Sm., wilt, Guyana (99); *Phytophthora nicotianae* Breda da Haan var. *nicotianae*, black shank disease, Brazil, Mauritius, Philippines, Puerto Rico, Sri Lanka, Trinidad, USA, Venezuela, West Indies (281); *Pythium aphanidermatum* (Edson) Fitzp., wilt/damping-off, Australia, Jamaica, Puerto Rico, USA (281); *P. deliense* Meurs, wilt, India (99); *Ravenelia tephrosiicola* Hirats., rust, Malaysia (261); *Rhizoctonia solani* Kühn, foliar blight, Puerto Rico (281)***Tephrosia*** sp.*Ascochyta* sp., leaf spot, Mauritius (99, 207); *Fomes noxius* Corner, brown root disease, Nigeria (304); *Macrophomina phaseolina* (Tassi) Goid., wilt, India (99); *Meliola stizolobii* Hansf. & Deighton var. *desmodii-salicifolia* Hansf. & Deighton, sooty mould, Togo (99); *Nematospora coryli* Pegler, yeast spot, Tanzania (99); *Parodiella hedysari* (Schwein.) S. Hughes, leaf mould, Trinidad (99); *Phyllosticta* sp., leaf spot, Mauritius (207); *Ravenelia caulicola* Arthur, rust, Venezuela (123)

TERAMNUS

Teramnus labialis (L. f.) Spreng.

Cercospora canescens Ell. & Mart., leaf spot, India (99); *Cercospora* sp., leaf spot, Cuba, India (99); *Colletotrichum gloeosporioides* (Penz.) Penz. & Sacc., leaf spot, USA (75, 159); *C. teramnicola* Pavgi & U. P. Singh, anthracnose, India (99); *C. truncatum* (Schwein.) Andrus & Moore, leaf spot, USA (75, 159); *Leptosphaeria* sp., leaf spot, Cuba (99); *Meliola bicornis* Winter, sooty mould, India (99); *M. stizolobii* Hansf. & Deighton, sooty mould, Sierra Leone (99); *M. teramni* H. Sydow & Sydow, sooty mould, Puerto Rico (99); *Phakopsora pachyrhizi* H. & P. Sydow, rust, Indonesia (99); *Phomopsis teramni* Hasija, wilt and dieback, India (99)

Teramnus uncinatus (L.) Sw. (bejuquillo, cresta de gallo, frijolillo)

Ascochyta phaseolorum Sacc., zonate leaf spot, Australia (4); *Ascochyta* sp., leaf spot, Zimbabwe (240); *Cercospora canescens* Ell. & Mart., leaf spot, Australia (5), Jamaica (99); *Colletotrichum gloeosporioides* (Penz.) Penz. & Sacc., leaf spot, USA (75, 159); *C. truncatum* (Schwein.) Andrus & Moore, leaf spot, USA (75, 159); *Meliola teramni* Syd., sooty mould, Dominican Republic, Malaysia (281), Philippines (99, 281), Puerto Rico (281); *Oidium* sp., powdery mildew, Cuba (99); *Phakopsora pachyrhizi* H. Sydow & Sydow, rust, Australia (120), Indonesia, Philippines (281), Puerto Rico (294), West Indies (281); *Phoma sorghina* (Sacc.) Boerema, Dorenb. & van Kest., seed associate, Australia (315); *Phyllachora galactiae* Earle, tar spot, Bahamas, Dominican Republic, Puerto Rico, West Indies (281); *Rhizoctonia solani* Kühn, foliar blight, USA (75); *Uromyces coganiae* Arthur, rust, Mexico, Puerto Rico (281), Venezuela (123)

Teramnus volubilis Sw.

Ascochyta phaseolorum Sacc., zonate leaf spot, Australia (4)

Teramnus sp.

Synchytrium aequatoriense (H. Sydow) Gäum., false rust, Sudan (99); *Uromyces* sp., rust, Sudan (99)

THEMEDA

Themeda anathera Hackel

Colletotrichum graminicola (Ces.) Wilson, anthracnose, Pakistan (99); *Hendersonia culmicola* Sacc., leaf spot, Pakistan (99); *Leptosphaeria asparagina* Karst. f. *grisea* Pass., leaf spot, Pakistan (99); *Phyllachora themedae* Ananth., tar spot, India (99); *Tilletia narayanaraona* Mundk. & Thirum., smut, India (99); *Uromyces clignyi* Pat. & Har., rust, India (99)

Themeda arguens (L.) Hackel

Cochliobolus geniculatus Nelson, leaf spot, Australia (99); *Sorosporium* sp., smut, Australia (99); *Tolyposporium bursum* (Berk.) McAlp., smut, Australia (257); *Uredo* sp., rust, Malaysia (99)

Themeda australis (R. Br.) Stapf (kangaroo grass)

Balansia sclerotica (Pat.) Höhnelt, false smut, Papua New Guinea (99, 250); *Cerebella andropogonis* Ces., false smut, Australia (99), Papua New Guinea (250); *Claviceps pusilla* Ces., ergot, Australia (144, 257), Papua New Guinea (250); *Monochaetiellopsis themedae* (Kandas. & Sundar.) B. Sutton & Di Cosmo, leaf spot, Australia (257); *Phyllachora ischaemi* H. Sydow & Sydow, tar spot, Australia (257), Papua New Guinea (99, 250); *P. platyelliptica* Parbery, tar spot, Australia (211); *Puccinia versicolor* Dietel & Holway, rust, Australia (257); *Sorosporium anthistiriae* (Cobb) Ling,

smut, Australia (99); *S. enteromorphum* McAlp., smut, Australia (99, 144, 257); *Sphacelotheca exserta* (McAlp.) Cif., smut, Australia (92, 257); *S. vryburgii* Zundel, smut, Australia (257); *Tolyposporium bursum* (Berk.) McAlp., smut, Australia (144, 257); *Uredo* sp., rust, Australia (99); *Ustilago bromivora* Tul., smut, Australia (257)

Themeda avenacea (F. Muell.) Maiden & Betche (native oat grass)

Claviceps pusilla Ces., ergot, Australia (140, 144, 257); *Phyllachora ischaemi* H. Sydow & Sydow, tar spot, Australia (211, 257); *Ustilago condigna* H. Sydow, smut, Australia (99)

Themeda cymbaria Hackel

Balansia sclerotica (Pat.) Höhnelt, false mildew, India (99); *Claviceps* sp., ergot, India (231)

Themeda forskalii Hackel

Sorosporium anthistiriae (Cobb) Ling, smut, South Africa (99)

Themeda glauca (Desf.) Battandier & Taubert

Sorosporium anthistiriae (Cobb) Ling, smut, Tanzania (99)

Themeda laxa (Anderss.) A. Camus

Septoria themedae Patel, Sukapure & Thirum., leaf spot, India (99)

Themeda quadrivalvis (L.) Kuntze

Sphacelotheca benguetensis Zundel, smut, Mauritius (99); *S. bursa* (Berk.) Mundk. & Thirum., smut, India (193); *Tilletia themedicola* Mishra & Thirum., smut, India (99); *Ustilago bursa* Berk., smut, India (99)

Themeda tremula (Steud.) Hackel

Monochaetiollopsis themedae (Kandas. & Sundar.) B. Sutton & Di Cosmo, leaf spot, India (99); *Phyllachora themedae* Ananth., tar spot, India (99, 211)

Themeda triandra Forssk. (red-oat grass)

Cerebella andropogonis Ces., false smut, Zimbabwe (95, 240); *Claviceps pusilla* Ces., ergot, Zimbabwe (240); *Claviceps* sp., ergot, India (231); *Cochliobolus akaii* (Tsuda & Ueyama) Sivan., leaf spot, Japan (99); *Phyllachora ischaemi* H. Sydow & Sydow, tar spot, India (99), South Africa (99, 211); *P. themedae* Ananth., tar spot, Burma (99); *Puccinia burmanica* H. Sydow, Sydow & E. Butler, rust, Burma (232); *P. eritraensis* Pazschke, rust, Tanzania (99); *P. versicolor* Dietel & Holway, rust, Kenya, Malawi (99); *Septoria themedae* Patel, Sukapure & Thirum., leaf spot, India (99); *Sclerotium* sp., wilt, Malawi (99); *Sorosporium anthistiriae* (Cobb) Ling, smut, China, Malawi (99), Tanzania (239), Uganda, Zambia (99); *Sphacelotheca themedae* Duke, smut, China (99), Kenya (99, 177); *S. vryburgii* Zundel, smut, India (193, 231); *Sporisorium anthistiriae* (Cobb) Vanky, smut, China (99); *Uromyces clignyi* Pat. & Har., rust, Papua New Guinea (99, 250)

Themeda triandra* var. *burdelii (Hackel) Domin

Puccinia eritraensis Pazschke, rust, Tanzania (99)

Themeda triandra* var. *hispidia Stapf

Puccinia versicolor Dietel & Holway, rust, Uganda (99); *Uredo anthistiriae-tremulae* Petch, rust, Malawi (99)

Themeda villosa (Poiret) A. Camus

Sporidesmium bakeri H. Sydow & Sydow, leaf spot, Malaysia (261)

Themeda sp.

Balansia sclerotica (Pat.) Höhnelt, false mildew, India (99); *Colletotrichum* sp., leaf spot, Burma (232); *Sphacelotheca anthistiriae* (Petch) Ling, smut, Pakistan (99); *Ustilago bursa* Berk., smut, India (99, 193)

TRACHYPOGON

Trachypogon plumosus (Willd.) Nees (steek grass, paja peluda, sabana nativa)

Phyllachora sp., tar spot, Venezuela (278); *Septoria* sp., leaf spot, Colombia (147)

Trachypogon spicatus (L. f.) Kuntze

Sorosporium andropogonis-aciculati (Petch) Petch, smut, Malawi (307), Zambia (99)

Trachypogon vestitus Anderss.

Septoria sp., leaf spot, Colombia (99, 147)

TRICHACHNE

Trichachne californica (Benth.) Chase

Puccinia esclavensis Dietel & Holway, rust, USA (99); *P. esclavensis* Dietel & Holway var. *panicophila* (Speg.) Ramachar & Cummins, rust, Mexico (99); *P. substriata* Ell. & Barth., rust, USA (99)

Trichachne insularis (L.) Nees

Ascochyta graminicola Sacc., leaf spot, Venezuela (99); *Cercospora* sp., leaf spot, Cuba (99); *Cladosporium* sp., leaf mould, Brazil (99); *Helminthosporium* sp., leaf spot, Venezuela (278); *Phyllachora paspalicola* Henn., tar spot, Australia, Papua New Guinea, Philippines, Puerto Rico, USA (281), Venezuela (99, 278), Virgin Islands, West Indies (281); *Puccinia atra* Dietel & Holway, rust, Venezuela (278); *P. substriata* Ell. & Barth., rust, Bolivia (281), Cuba (99, 281), Guatemala (281), Mexico (99), Puerto Rico, USA (281), Venezuela (99); *Sphacelotheca cordobensis* (Speg.) Jackson, smut, Dominican Republic (99), Jamaica (99, 146), Mexico. Puerto Rico, USA (281), Venezuela (99, 278)

TRIPSACUM

Tripsacum dactyloides (L.) L. (lagon, triquillo, eastern gamagrass)

Claviceps purpurea (Fr.) Tul., ergot, USA (75); *Colletotrichum graminicola* (Ces.) Wilson, leaf spot, USA (75); *Fusarium* sp., leaf spot, USA (75); *Phyllosticta* sp., leaf spot, USA (75); *Puccinia polyspora* Underw., rust, USA (75, 99); *Puccinia tripsaci* Dietel & Holway, rust, USA (17, 75),

Mexico (17, 99), Venezuela (278); *Uromyces coccolobae* Henn., rust, Venezuela (278); *Ustilago dieteliana* Henn., smut, Mexico (99)

Tripsacum latifolium Hitchc. (syn *T. laxum* Nash) (Guatemala grass, hierba de Guatemala, arrocillo, grama del este)

Ephelis sp., inflorescence mould, Sri Lanka (99); *Fusarium moniliforme* Sheldon, root rot, Jamaica (145, 146), Venezuela (50); *Khuskia oryzae* Hudson, leaf spot, Sri Lanka (99); *Phragmidium andersonii* Shear, rust, USA (17); *Physopella pallescens* (Arthur) Cummins & Ramachar, rust, Belize, Guatemala, Honduras (99); *Puccinia polysora* Underw., rust, Belize, Cuba (20, 99) French Guyana (24), Grenada (21), Jamaica (20, 62, 145), Martinique (20), Mexico (247), Nicaragua (169), Peru (99), Puerto Rico (121, 285), St. Lucia, St. Vincent (20), Trinidad & Tobago (22, 99), Venezuela (278); *P. tripsaci* Dietel & Holway, rust, Bolivia (76); *Puccinia* sp., rust, Venezuela (278)

UROCHLOA

Urochloa brachyura (Hackel) Stapf

Uromyces setariae-italicae Yosh., rust, South Africa (99)

Urochloa bulbodes Stapf (perennial tail grass)

Phyllachora setariicola Speg., tar spot, Zambia (99); *Phyllachora* sp., tar spot, Zambia (238); *Sorosporium afrum* H. Sydow, smut, Zambia (99), Zimbabwe (95, 240); *Uromyces setariae-italicae* Yosh., rust, Zambia (99, 238), Zimbabwe (99, 240)

Urochloa helopus (Trin.) Stapf

Bipolaris urochloae (Putterill) Shoem., leaf spot, South Africa (99); *Phyllachora bonariensis* Speg., tar spot, South Africa (211); *P. setariicola* Speg., tar spot, Mauritius (99)

Urochloa lata (Schumach.) C. E. Hubbard

Uromyces setariae-italicae Yosh., rust, Nigeria (99, 304), Sudan (99)

Urochloa mosambicensis (Hackel) Dandy

Bipolaris urochloae (Putterill) Shoem., leaf spot, Australia (99); *Cerebella andropogonis* Ces., false smut, Malawi, Zambia (99, 238), Zimbabwe (99, 240); *C. panici* Tracy & Earle, false smut, Zimbabwe (95); *Claviceps sulcata* Langdon, ergot, Zimbabwe (240); *Claviceps* sp., ergot, Zambia (99, 238); *Fusarium heterosporum* Fr., pink ear, Zimbabwe (240); *Hendersonia* sp., leaf spot, Zimbabwe (240); *Phyllachora graminis* (Fr.) Fuckel, tar spot, Zimbabwe (95, 240); *P. heterospora* Henn., tar spot, Zambia (238); *P. setariicola* Speg., tar spot, Malawi, Zambia (99); *Sorosporium afrum* H. Sydow, smut, Malawi (99, 307), Zimbabwe (240); *Uromyces setariae-italicae* Yosh., rust, Malawi (26, 99), Tanzania (99), Zambia (99, 238), Zimbabwe (95, 99, 240); *Ustilago urochloana* Zundel, smut, Malawi (55, 99)

Urochloa panicoides Beauv.

Bipolaris urochloae (Putterill) Shoem., leaf spot, Australia, India (99), Zimbabwe (99, 240); *Cochliobolus bicolor* Paul & Parbery, leaf spot, India (99); *Setosphaeria turcica* (Luttr.) Leonard & Suggs, leaf blight, Australia (99); *Uromyces setariae-italicae* Yosh., rust, Sudan (99)

***Urochloa pullulans* var. *mosambicensis* (Hackel) Stapf**

Cerebella andropogonis Ces., false smut, Zimbabwe (99); *Sorosporium afrum* H. Sydow, smut, Zimbabwe (99)

***Urochloa reptans* Stapf**

Colletotrichum graminicola (Ces.) Wilson, anthracnose, India (99); *Sorosporium digitaliae* (Kunze) Padwick, smut, India (193)

***Urochloa setigera* (Retz.) Stapf**

Sorosporium afrum H. Sydow, smut, Botswana (99); *Uromyces setariae-italicae* Yosh., rust, Botswana (99)

***Urochloa trichopus* (Hoscht.) Stapf**

Bipolaris urochloae (Putterill) Shoem., leaf spot, Ethiopia (99); *Claviceps sulcata* Langdon, ergot, Zimbabwe (240); *Phyllachora setariicola* Speg., tar spot, Kenya, Tanzania (99); *Sorosporium* sp., smut, Zimbabwe (240); *Uromyces setariae-italicae* Yosh., rust, Kenya (99), Zimbabwe (95, 99, 240)

***Urochloa* sp.**

Cerebella andropogonis Ces., false smut, Zambia (99); *Fusarium heterosporum* Fr., pink ear, Zambia (99); *Sorosporium* sp., smut, India (99); *Uromyces setariae-italicae* Yosh., rust, Australia (99)

VIGNA***Vigna adenantha* (G. Meyer) Marechal, Mascherpa & Stanier**

Cochliobolus lunatus Nelson & Haasis, leaf spot, India (99); *Colletotrichum truncatum* (Schwein.) Andrus & Moore, anthracnose, India (99); *Myrothecium roridum* Fr., leaf spot, Sierra Leone (99); *Phoma minutella* Sacc. & Penz., leaf spot, India (99); *Phyllachora phaseoli* (Henn.) Theiss. & H. Sydow, tar spot, Brazil (256)

***Vigna angularis* (Willd.) Ohwi & Ohashi**

Ascochyta phaseolorum Sacc., leaf spot, Ethiopia (99)

***Vigna caracalla* (L.) Verdc.**

Ascochyta phaseolorum Sacc., zonate leaf spot, Australia (4); *Cercospora caracallae* (Speg.) H. C. Greene, leaf spot, Argentina (99); *Diaporthe phaseolorum* (Cooke & Ellis) Sacc., stem canker, India (99)

***Vigna coerulea* Baker**

Ascochyta phaseolorum Sacc., leaf spot, Zambia (99)

***Vigna cylindrica* (L.) Skeels**

Mycosphaerella cruenta Sacc., leaf spot, USA (53)

***Vigna lanceolata* Benth.**

Oidium sp., powdery mildew, Australia (257); *Phakopsora pachyrhizi* H. Sydow & Sydow, rust, Australia (299); *Septoria vignae* Henn., leaf spot, Australia (99)

***Vigna lutea* (Sw.) A. Gray**

Phakopsora pachyrhizi H. Sydow & Sydow, rust, Australia (120); *Uredo vignae* Bresad., rust, Philippines (280)

***Vigna luteola* (Jacq.) Benth. (dalrymple vigna, frijol maravilla, frijol de vaca)**

Arkoala nigra John Walker & Stovold, black leaf blight, Australia (299); *Ascochyta phaseolorum* Sacc., zonate leaf spot, Australia (4); *Cercospora canescens* Ell. & Mart., leaf spot USA (53); *C. vanderystii* Henn., Puerto Rico (99) Trinidad & Tobago (22, 99); *Colletotrichum* sp., anthracnose, Malawi (99); *Corticium rolfsii* Curzi, blight, USA (270); *Mycosphaerella cruenta* Sacc., leaf spot, USA (53) *Oidium* sp., powdery mildew, Australia (299); *Phakopsora pachyrhizi* H. Sydow & Sydow, rust, Costa Rica, Mexico (60), Puerto Rico (294), West Indies (60); *Phyllosticta vignae* Speg., leaf spot, Argentina (280); *Pseudomeliola grammodes* (Kunze) v. Arx, sooty mould, Dominican Republic (99); *Uromyces appendiculatus* (Pers.) Unger, rust, Colombia (125), Jamaica (146), New Caledonia (99), Puerto Rico (281), Trinidad & Tobago (5), USA (17, 281), Venezuela (121, 278), Virgin islands, West Indies (281)

***Vigna nuda* N. E. Brown**

Uromyces appendiculatus (Pers.) Unger, rust, Zimbabwe (95)

***Vigna parkeri* Baker**

Ascochyta dolichii Gonz. Frag., leaf spot, Malaysia (99); *Ascochyta* sp., leaf spot, Australia (257); *Cercospora canescens* Ell. & Mart., leaf spot, Australia (299), Puerto Rico (99); *Colletotrichum gloeosporioides* (Penz.) Penz. & Sacc., leaf spot, USA (159); *C. truncatum* (Schwein.) Andrus & Moore, leaf spot, USA (159); *Leptosphaerulina trifolii* (Rostrup) Petrak, leaf spot, Trinidad (99)

***Vigna prainiana* C. R. Babu & S. K. Sharma**

Ascochyta phaseolorum Sacc., leaf spot, Zambia (99); *Cercospora kikuchii* (Matsum. & Tomoy.) Gardner, leaf spot, India (99); *Cercospora* sp., leaf spot, Thailand (48); *Mycovellosiella phaseoli* (Drummond) Deighton, leaf spot, India (99); *Myrothecium roridum* Fr., leaf spot, Solomon Islands (99); *Synchytrium phaseoli* Westend., false rust/wart, Papua New Guinea (99); *Uromyces appendiculatus* (Pers.) Unger, rust, India (99)

***Vigna reticulata* Hook. f.**

Cercospora canescens Ell. & Mart., leaf spot, Bangladesh (99); *Pseudocercospora vignae-reticulatae* Deighton, leaf spot, Sierra Leone (99)

***Vigna richardsiae* Verdc.**

Ascochyta phaseolorum Sacc., leaf spot, Zambia (99); *Leptosphaerulina trifolii* (Rostrup) Petrak, leaf spot, Papua New Guinea (99)

***Vigna strobilophora* B. L. Rob.**

Uromyces appendiculatus (Pers.) Unger var. *punctiformis* (Sydow) Cummins, rust, USA (60)

***Vigna trilobata* (L.) Verdc.**

Synchytrium dolichii (Cooke) Gäum., false rust, Zimbabwe (99); *Uromyces appendiculatus* (Pers.) Unger, rust, Ethiopia (280), Zimbabwe (99); *Woroninella dolichii* (Cooke) H. Sydow, false rust/wart, Zimbabwe (95)

***Vigna vexillata* (L.) Rich. (bejuco marrullero, frijol cimarron)**

Ascochyta phaseolorum Sacc., zonate leaf spot, Australia (4); *Ascochytopsis vignae* Henn., leaf

spot, Tanzania (99, 280); *Cercospora canescens* Ell. & Mart., leaf spot, Sudan (99, 283); *C. cruenta* Sacc., leaf spot, Australia (299); *C. vignae-vexillatae* Baker & Dale, leaf spot, Trinidad & Tobago (22, 99); *Colletotrichum lindemuthianum* (Sacc. & Magnus) Briosi & Cavara, anthracnose, Cuba (99); *Meliola polyodonta* H. Sydow, sooty mould, Dominican Republic (99); *Oidium* sp., powdery mildew, Australia (257), Cuba (99), Zimbabwe (99, 240); *Parodiella hedysari* (Schwein.) S. Hughes, leaf mould, Trinidad & Tobago (22, 99); *Phyllachora phaseoli* (Henn.) Theiss. & H. Sydow, tar spot, Costa Rica, Dominican Republic, Grenada, Puerto Rico (281); *Phyllosticta* sp., white leaf spot, Sudan (99); *Synchytrium decipiens* Farlow, false rust, Belize (147), Costa Rica, Panama (279); *S. dolichi* (Cooke) Gäum., false rust/wart, Kenya (99, 197), Zimbabwe (240); *Uromyces appendiculatus* (Pers.) Unger, rust, Barbados (200), Cuba (99), India (280), Puerto Rico (281), Sierra Leone (99), Sudan (99, 283), Trinidad & Tobago (22, 99), USA, Virgin Islands, West Indies (281); *Woroninella dolichi* (Cooke) H. Sydow, false rust/wart, Kenya (177)

Vigna sp.

Ascochyta phaseolorum Sacc., leaf spot, Papua New Guinea (118); *Cercospora canescens* Ell. & Mart., leaf spot (53), Bolivia, Ghana, Guinea, Sudan, Tanzania (99); *Cercospora* sp., leaf spot, Venezuela (278); *Colletotrichum gloeosporioides* (Penz.) Penz. & Sacc., leaf spot, Belize, Brazil, Colombia (153); *C. truncatum* (Schwein.) Andrus & Moore, anthracnose, Guyana (99); *Diaporthe phaseolorum* (Cooke & Ellis) Sacc. var. *sojae* (Lehm.) Wehm., pod and stem blight, USA (235); *Macrophomina phaseolina* (Tassi) Goid., wilt, Venezuela (278); *Meliola hendrickxiana* Hansf., sooty mould, Congo (99); *M. teramni* H. Sydow & Sydow, sooty mould, Ghana (99); *Mycosphaerella cruenta* Sacc., leaf spot, USA (53); *Oidium* sp., powdery mildew, Belize, Brazil, Colombia (153); *Phakopsora pachyrhizi* H. Sydow & Sydow, rust, Papua New Guinea (99, 118); *Phyllosticta* sp., leaf spot, Mauritius (99); *Puccinia arachidis* Speg., rust, Papua New Guinea (118); *Pythium deliense* Meurs, wilt, Trinidad (99); *Rhizoctonia solani* Kühn, foliar blight, Belize, Brazil, Colombia (153); *Septoria vignicola* Vasant Rao, leaf spot, Sudan (99); *Sphaerotheca fuliginea* (Schlecht.) Poll., powdery mildew, Papua New Guinea (118); *Synchytrium dolichi* (Cooke) Gäum., false rust/wart, Kenya (99); *S. phaseoli* Westend., Belize, Brazil (153); *Uromyces appendiculatus* (Pers.) Unger, rust, Colombia (147), Cyprus, Ethiopia (99), Papua New Guinea (99, 118), Sudan, Zimbabwe (99)

ZORNIA

Zornia bracteata Gmel.

Puccinia arachidis Speg. var. *offuscata* (Arthur) Cummins, rust, South America, USA, West Indies (60)

Zornia brasiliensis Vogel

Colletotrichum gloeosporioides (Penz.) Penz. & Sacc., leaf and stem spot, Colombia, Brazil, Peru (147, 153); *Drechslera* sp., stem lesion, Brazil, Colombia (147); *Pseudocercospora zorniae* (Yen & Gilles) Deighton, variegated leaf spot, Brazil, Colombia (147); *Rhizoctonia solani* Kühn, foliar blight, Brazil, Colombia, Peru (147); *Sphaceloma zorniae* Bitanc. & Jenk., scab, Colombia (152)

Zornia glochidiata DC. (syn. *Z. diphylla*) (alverjilla, barba de burro)

Colletotrichum gloeosporioides (Penz.) Penz. & Sacc., leaf and stem spot and dieback, Brazil, Colombia, Costa Rica, Ecuador, Panama, Peru (147, 153, 165), USA (159), Venezuela (147, 153, 165); *C. truncatum* (Schwein.) Andrus & Moore, leaf spot, Brazil, Colombia, Peru (147, 153), USA

(159); *Drechslera* sp., leaf spot, Bolivia, Brazil, Colombia, Peru, Venezuela (147, 153, 165); *Meliola* sp., sooty mould, Brazil (147, 153); *Parodiella grammodes* (Kunze) Cooke, leaf mould, Puerto Rico (281); *Puccinia arachidis* Speg. var. *offuscata* (Arthur) Cummins, rust, Bolivia (76, 121), Brazil (121, 147, 165, 281), Colombia (147, 153, 165), Puerto Rico (281), Trinidad & Tobago (22), USA, West Indies (121, 281, 304), Venezuela (278); *P. zorniae* (Berk.) McAlp., rust, Nigeria, Sierra Leone (99); *Rhizoctonia solani* Kühn, foliar blight, Brazil, Colombia (147, 153); *Sphaceloma zorniae* Bitanc. & Jenk., scab, Brazil (30, 152, 165); *Synchytrium zorniae* Lingappa, false rust, India (99, 117)

***Zornia glabrata* Desv.**

Colletotrichum gloeosporioides (Penz.) Penz. & Sacc., leaf and stem spot and dieback, Brazil, Colombia, Peru, Venezuela (147, 153); *C. truncatum* (Schwein.) Andrus & Moore, leaf spot, Brazil, Colombia, Peru (147, 153); *Meliola* sp., sooty mould, Brazil (147, 153); *Rhizoctonia solani* Kühn, foliar blight, Colombia (147, 153); *Sphaceloma zorniae* Bitanc. & Jenk., scab, Brazil, Colombia (147, 153)

***Zornia latifolia* S. E. Smith (caminadora, latifolia)**

Alternaria sp., stem lesions, Colombia (147); *Colletotrichum gloeosporioides* (Penz.) Penz. & Sacc., leaf and stem spot and dieback, Brazil, Colombia, Peru (147, 153, 165); *C. truncatum* (Schwein.) Andrus & Moore, leaf spot, Bolivia, Brazil, Colombia, Ecuador, Peru, Venezuela, USA (147, 153, 165); *Corticium rolfsii* Curzi, collar rot, Colombia (149); *Curvularia* sp., leaf and stem spot, Brazil, Colombia (147); *Drechslera* sp., leaf spot, Brazil, Colombia, Peru (147, 153, 165); *Fusarium* sp., seed associate, Colombia (147); *Meliola* sp., sooty mold, Brazil (147, 153, 165); *Phoma sorghina* (Sacc.) Boerema, Dorenb. & van Kest., leaf and stem spot, seed associate, Colombia (147); *Pseudocercospora zorniae* (Yen & Gilles) Deighton, variegated leaf spot, Colombia (147), Sierra Leone (99); *Puccinia arachidis* Speg. var. *offuscata* (Arthur) Cummins, rust, Brazil, Colombia, Peru (147, 153, 165), Trinidad (99); *P. zorniae* (Berk.) McAlp., rust, Sierra Leone (99); *Rhizoctonia solani* Kühn, foliar blight, Brazil, Colombia, Peru (147, 153); *Sphaceloma zorniae* Bitanc. & Jenk., scab, Brazil (99), Colombia (152), Peru, Venezuela (147, 165)

***Zornia myriadena* Benth.**

Colletotrichum gloeosporioides (Penz.) Penz. & Sacc., leaf spot, Brazil, Colombia (147)

***Zornia reticulata* S. E. Smith**

Puccinia arachidis Speg. var. *offuscata* (Arthur) Cummins, rust, Brazil (147); *Sphaceloma zorniae* Bitanc. & Jenk., scab, Brazil, Colombia (165)

***Zornia* sp.**

Colletotrichum gloeosporioides (Penz.) Penz. & Sacc., leaf and stem spot, Brazil, Colombia, Peru (147, 153), USA (159); *C. truncatum* (Schwein.) Andrus & Moore, leaf spot, Brazil, Colombia (147, 153), USA (159); *Corticium rolfsii* Curzi, collar rot, Colombia (149); *Ophiobolus acuminatus* (Sow.) Duby, stem rot, India (99); *Pseudocercospora zorniae* (Yen & Gilles) Deighton, variegated leaf spot, Colombia (99, 147); *Puccinia arachidis* Speg. var. *offuscata* (Arthur) Cummins, rust, Brazil, Colombia (99, 147); *P. zorniae* (Berk.) McAlp., rust, Brazil (256), Kenya, Uganda (99); *Sphaceloma zorniae* Bitanc. & Jenk., scab, Brazil (147, 256) Colombia (147)

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