

Pure

Scotland's Rural College

Cereal varieties: summer 2016 update - winter wheat, winter barley and spring barley.

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Cereal Varieties
Summer 2016 Update:
Winter wheat
Winter barley
Spring barley



Winter wheat Recommended List Trial, 2016-17

North yield 100 = 9.5 t/ha



Varieties underlined are on the SRUC List 2016

Amplify North [102] uT 72

A high yielding hard feed wheat which failed to make to recommended list, stiff straw but susceptible to eyespot and yellow rust.

Belgrade North [101] uT 94

Belgrade is a high yielding hard feed variety which is new for 2016 for the East and West where it has achieved high yields. It has moderate lodging resistance (needs good PGR programme) and limited data suggests it is susceptible to sprouting. Suits heavier soils. Belgrade has given relatively high yields in untreated trials with high resistance to mildew and yellow rust but limited data suggests it is very susceptible to eyespot.

Bennington UK 105 uT 92

A candidate soft feed variety.

Britannia North 106 uT 85

Britannia is a high yielding nabim group 3 biscuit variety which also has the UK classification for export. Suits bio-ethanol and feed markets. It has a good rating for yellow rust but some disease has been seen in untreated trials in 2016. Britannia is relatively late maturing and susceptible to eyespot and it is weaker strawed (6) than other varieties in this class, although responds to PGR (7).

Claire UK 98 uT 76

Claire first came onto the list in 1999 and is the oldest variety on the list. It is a quality nabim Group 3 biscuit variety, has export potential and is rated medium for distilling. Outclassed for yield, but it remains a favourite of millers because of its processing qualities. It is a slow-developing variety that has proved useful for very early drilling but growers should bear in mind that it is very susceptible to mildew and its yields are 7% lower than the highest yielding variety in its group.

Cordiale North 96 uT 71

Cordiale is a nabim Group 2 variety. It has UK export potential. Although lower yielding than other varieties in the group, it remains the group 2 variety of choice for UK millers giving a consistent baking performance. It also gives high grain protein, good Hagbergs and specific weights. Agronomically it is early maturing with short straw. Moderate disease resistance so comprehensive fungicide programme beneficial. It is susceptible to brown rust and it has a lower untreated yield than other varieties in the group. Early maturity is an asset. Often grown as a second wheat.

Costello North 103 uT 92

Costello is a hard-milling short-strawed feed variety with high Hagbergs and specific weights. Its treated yield potential is 3% below that of the highest yielding varieties but

it has given very high yields in untreated trials due to high resistance to mildew and yellow rust. Limited data suggest it is susceptible to eyespot.

Crusoe North 96 uT 85

A Group 1 quality bread making variety. Its good baking performance has made it a popular variety and it also has ukp export potential. Although lower yielding than Skyfall, RGT Illustrious and KWS Trinity its yield potential is better than Solstice and Gallant and it tends to produce consistently high protein levels.

Dickens North 108 uT 84

Is a high yielding hard feed variety which performs particularly well on lighter soils. It is relatively early maturing and has good resistance to mildew, yellow rust and brown rust but it is susceptible to eyespot.

Dunston UK 107 uT 95

A candidate hard feed variety.

Evolution North 107 uT 87

A very high yielding feed variety with much better disease resistance than many of the other high yielding feed varieties. However, it has a low specific weight. It has given high yields on a range of soil types including light soils and especially in second wheat situations. It is rather late maturing. Evolution has good resistance to yellow rust and brown rust and no serious disease weaknesses. Tall moderately stiff straw and late to mature.

Freiston North 106 uT 89

A candidate hard feed variety.

Gallant North 95 uT 68

Is a nabim Group 1 bread variety with ukp export potential. It gives high Hagbergs and specific weights and nabim reports that it has consistent milling and baking qualities and remains popular with millers. Suitable for export markets. Gallant is early maturing and has short straw but its yield potential is 4% below Skyfall and it is susceptible to yellow rust and septoria tritici. Mediocre disease resistance so will warrant a good fungicide programme.

Grafton North 101 uT 80

Grafton came onto the Recommended List in 2009. Its yield is now 6% lower than the top yielding variety in this group but it has a high specific weight. It has slow primordial development and early maturity and is a useful candidate for early drilling. Short very stiff straw, which will appeal to many growers on heavy land. Grafton has high resistance to mildew and eyespot, but it is susceptible to brown rust. It has moderate (6) to yellow rust. A good second wheat yield, possibly because of its good eyespot resistance.

Graham North [101] uT 94

Graham is a high yielding hard feed variety which is **new for 2016**. Its UK treated yield is slightly below the best feed varieties on the list. Its yield as a 1st wheat is however competitive. It is one of only two varieties with a 7 rating for Septoria tritici and it has given the highest yield in the west region where this disease is most severe. Graham

also has high resistance to mildew, brown rust and higher than average resistance to Fusarium head blight. Weak for eyespot. Early maturity. Currently Graham has a good rating for yellow rust but there is evidence that it could be infected by new races of the disease.

Hardwicke

A candidate soft feed variety. Data cannot be published as it has not yet completed National Listing.

Icon

A biscuit-making variety, no longer on the Recommended List.

JB Diego

North 102 uT 84

JB Diego remains popular with feed growers due to its consistent performance over years. Its yield is now 4% below the highest yielding varieties in the group, but it achieves a high specific weight and Hagberg falling number. JB Diego has reasonable disease resistance but susceptible to brown rust (6). Good resistance to yellow rust (7) but is susceptible to eyespot (4). Early maturity with good sprouting resistance. At a slight yield disadvantage now compared to some more recent variety introductions.

KWS Barrel

North [113] uT 80

Is a **new** biscuit-making variety has the highest yield among the Group 3 and soft Group 4 varieties. It yields particularly well on lighter soils. Barrel meets the criteria for biscuit wheat quality and has uks suitability for export. It produces short, stiff straw, has high resistance to mildew and rusts and has resistance to orange wheat blossom midge. It has relatively slow early development and is likely to be well-suited to early drilling.

KWS Basset

North [104] uT 84

Is a **new** group 3 biscuit wheat and has the uks classification for export. Nabim reports that the variety meets the quality criteria for a biscuit wheat. Basset is high yielding, particularly when drilled early, achieves high specific weights and has good resistance to yellow rust and orange wheat blossom midge.

KWS Crispin

North [101] uT 95

Is a **new** high yielding hard feed variety with a high specific weight. It performs best in 1st wheat situations and has given high yields in both fungicide treated and untreated trials. Crispin has only moderate straw strength (6) but combines orange wheat blossom midge resistance with high resistance to mildew and yellow rust. Moderately susceptible to eyespot.

KWS Kerrin

UK 108 uT 89

A candidate hard feed variety.

KWS Lili

North 108 uT 83

KWS Lili is a very high yielding nabim Group 2 bread making wheat which has ukp export potential. It has a high Hagberg falling number but careful management is required to attain the required protein level for milling specifications. Lili has a high yield potential, performing particularly well on lighter soils and first wheat situations. It

has short straw, high resistance to mildew and yellow rust and has no major disease weaknesses but it is later maturing than most other bread making wheats.

KWS Santiago North 107 uT 75

KWS Santiago is recommended for the East and West regions, performing well on all soil types and rotational positions over many different seasons. requires a good fungicide and PGR programme to get the best from it. It is likely to remain a popular variety for this autumn's sowings because of its high yield potential and the ability to perform well in all situations. Santiago is stiff strawed (7) and resistant to orange wheat blossom midge but is rather late maturing and susceptible to mildew and Septoria tritici.

KWS Silverstone North [111] uT 87

A **new** hard feed wheat, with the highest UK yield on the Recommended List, giving high specific weights. KWS Silverstone also has good resistance to mildew and rusts but susceptible to septoria and eyespot. It has moderate straw strength and it has given its best yields on less fertile lighter soils. Tall and weak strawed.

KWS Siskin North [105] uT 96

A **new** bread-making Group 2 variety with ukp export potential. It has achieved the highest yields for a bread making variety and is competitive with most feed wheats. Nabim note that it achieves high Hagbergs and specific weights but that it shows some variability in its baking performance making it more suited in blends. KWS Siskin is one of only two varieties with a rating of 7 for Septoria tritici; it also has high resistance to mildew and the rusts and has given very good yields in untreated trials. Stiffish straw (7) This combination of good disease resistance and high yields make the variety a relatively low risk variety in this market.

KWS Trinity North 104 uT 82

Is one of the two highest yielding Group 1 varieties (the other being Skyfall) and is recognised by UK millers for quality bread making wheat. It can have low protein content so will require careful nitrogen management to meet specification. It has good specific weight and Hagberg falling number values with short, stiff straw and good resistance to mildew, yellow rust and brown rust. Good resistance to sprouting. Suits all soil types.

KWS Zyatt UK 105 uT 95

A candidate hard bread-making variety.

Leeds North 107 uT 78

Is the highest yielding variety in the soft milling feed group both in the UK and the North region. It is rated medium for distilling and meets the uks specification for overseas markets. Leeds is resistant to orange wheat blossom midge, has above average resistance to fusarium head blight and high resistance to yellow rust. It is susceptible to brown rust and very susceptible to mildew. It is stiff strawed and relatively good resistance to sprouting compared with other varieties in the group, but it is late maturing.

LG Bletchley UK 102 uT 90

A candidate biscuit-making variety.

LG Cassidy UK 104 uT 81
A candidate bread-making variety.

LG Motown UK 104 uT 92
A candidate soft feed variety.

LG Sundance UK 105 uT 91
A candidate soft feed variety.

Marlowe UK 107 uT 80
A candidate hard feed variety with high yield and good mildew and yellow rust resistance. Tall weak straw may be susceptible to lodging.

Marston UK 104 uT 88
A candidate hard feed variety

Mosaic North 101 uT 87
A high yielding soft feed wheat, not added to the AHDB recommended list.

Moulton UK 104 uT 92
A candidate soft feed variety.

Myriad North 106 uT 80
Is recommended for the North region as a soft milling feed. It has medium characteristics for distilling and meets the uks specification for export markets. Myriad has moderate lodging resistance but responds well to plant growth regulators. It has intermediate ratings for most diseases. It is resistant to orange wheat blossom midge and has a good rating for yellow rust although some disease has been seen in untreated trials in 2016.

Reflection North 107 uT 88
Hard Group 4. Reflection was first recommended in 2015 and it combines a very high treated yield in all regions with stiff straw, early maturity and a good specific weight. It has given its best yields as a 1st wheat. Reflection has resistance to orange wheat blossom midge and high resistance to mildew and brown rust. High levels of yellow rust have been seen in this variety in untreated trials in 2016.

Relay North 102 uT 85
Is a hard-milling feed variety recommended for the East and West regions. Good all-round disease resistance but lacks midge resistance. High resistance to yellow rust and brown rust but is susceptible to eyespot. It has short, stiff straw. High tillering capacity so could be useful in black grass situations when sown at high seed rates.

Revelation North 103 uT 87

A soft milling variety rated good for distilling and it also meets the uks specification for export markets. It has good resistance to lodging and has slow primordial development that could make it a useful candidate for early drilling but it is late maturing and has a tendency to sprout. Revelation has high resistance to yellow rust, brown rust and eyespot and above average resistance to fusarium head blight and has a high untreated yield making it a relatively low risk variety in this market. Just under Viscount yield, slightly stiffer straw and much better disease resistance. Not midge resistant and very late maturity.

RGT Conversion North 105 uT 82

A quality nabim group 3 variety with uks export potential and rated good for distilling. Nabim reports that it meets the quality requirements for a biscuit wheat with slightly less resistant gluten quality but good extensibility. Agronomically it has short, stiff straw and gives its best yield performance in the north. It has high resistance to mildew, yellow rust and brown rust and it has relatively slow growth and development, which may make it suitable for very early sowing.

RGT Illustrious North [96] uT 90

A **new** Group 1 quality bread wheat, nabim reporting that it provides good gluten quality even at lower protein levels and has shown good baking performance. Illustrious is stiff strawed, yields 2% higher than Crusoe and only 1% below Skyfall and KWS Trinity. It is slightly later maturing than other quality bread wheats but has a good disease package with high ratings for mildew, yellow rust, brown rust and eyespot. This, in combination with a high untreated yield make it a relatively low risk variety.

RGT Knightsbridge UK 107 uT 82

A candidate soft feed variety that is the highest yielding in its class. Distilling Potential.

RGT Marlborough

A soft wheat that was not added to the AHDB Recommended List for 2016.

RGT Paddington UK 105 uT 76

A candidate hard feed variety, for the East region.

RGT Pembroke

A soft wheat that was not added to the AHDB Recommended List for 2016.

RGT Westminster UK 105 uT 85

A candidate soft feed variety.

Savello UK 105 uT 85

A candidate soft feed variety.

Scout North 98 uT 80

Scout is a quality nabim Group 3 biscuit variety with export potential and giving a high specific weight. It remains popular with many millers having similar quality attributes to Claire; it has resistance to orange wheat blossom midge and good resistance to the rusts but it is late maturing and yields 8% lower than the highest yielding variety in its

group. Scout has slow primordial development making it suitable for early sowing, but it is a later maturing variety.

Shabras UK 107 uT 86
A candidate hard feed variety.

Skyfall North 103 uT 87
Is one of two high yielding nabim Group 1 wheats, the other being KWS Trinity. Its milling and baking qualities remain consistently good making it popular with millers. Its combination of high yield, good specific weight, short, stiff straw and early maturity have led to it becoming a very popular farmer's variety. Lower protein content so will require careful nitrogen management to meet specification. It is the only quality bread winter wheat which is resistant to orange wheat blossom midge. It has good resistance to brown rust and has no major weaknesses to the other common diseases. It has a tendency to rapid growth and development in the spring, but this characteristic is less marked when it is sown after the end of September. Not suited to early sowing.

Spyder North [98] uT 91
A **new** Group 3 biscuit wheat for the East and West regions. it meets nabim's criteria for a biscuit wheat but check with end user that it meets their specification. Spyder has moderate straw strength but responds well to plant growth regulators. It has high resistance to mildew and brown rust but limited data suggests it is susceptible to eyespot. Spyder has a good rating for yellow rust but there is evidence that it could be infected by new races of the disease. Best as a first wheat.

Stratosphere UK 105 uT 88
A candidate soft feed variety.

Viscount North 105 uT 77
Viscount is recommended for the North region where it achieves a high yield and is considered to be the benchmark variety for distilling. It also meets the uks specification for export markets. Agronomically it is a short stiff strawed variety but it is susceptible to sprouting and tends to give low Hagbergs.

Zulu North 105 uT 82
Listed in 2014 as a nabim Group 3 soft biscuit wheat with uks export potential and medium distilling potential. Nabim reports that Zulu consistently meets the quality requirements of a Group 3 wheat. Zulu has orange wheat blossom midge resistance and high resistance to mildew and yellow rust but it is susceptible to brown rust and eyespot. It has given good yields in the north and although it has moderate resistance to lodging it responds well to plant growth regulators.

AHDB Winter Barley Recommended List, 2016-17



North yield 100 = 8.8 t/ha

Varieties underlined are on the SRUC List 2016

Bazooka

North 108 UK 107

A new recommendation as a hybrid six-row with a specific weight (68.4) better than Volume, plus lower screenings. Good disease resistance, including very good resistance to Rhynchosporium (8). Stiffer (8) despite taller straw. Similar maturity. Yields well in all regions and especially suited to lighter soils.

Belfry

North 107 UK 106

A new recommendation as a hybrid six-row with a specific weight (67.4) not quite equal to Volume but fewer screenings. Stiffer straw (8) with similar length to Volume. Disease resistance better than Volume (Mildew, brown rust and net blotch), RLB the same (7). Similar maturity. Yields better in the North (107), and like Volume suited to lighter soils.

California

North 97 uT 81

Recommended for the West for its tall stiff straw, BaYMV resistance, and early maturity. Disease resistance, RLB apart, is good. Suited to heavier soils.

Cassata

North 91 uT 75

No longer in trials. Was a specific recommendation for growers wanting a malting variety with resistance to barley mosaic virus. Removed from the IBD List. Yield is 4% lower than SY Venture. Stiff-strawed. Susceptible to mildew and very susceptible to yellow rust and net blotch. Market share continues to decrease.

Craft

North 98 uT 80

A new recommendation with Provisional IBD Approval for malting and brewing. Hot Water Extract is potentially better and screenings lower. Stiff (8), with good disease resistance, especially brown rust and net blotch. Average maturity.

Daxor

A high yielding conventional six row variety, no longer on the Recommended List. Early maturing with medium length but stiff straw. A large grain doesn't help its specific weight score but may be suited to on farm feeding.

Escadre

A conventional six row variety no longer on the Recommended list. Susceptible to mildew with low specific weight.

Funky

UK 105 uT [92]

Candidate six-row feed variety.

KWS Cassia North 100 UK 98

Widely grown as a successor to Saffron but the seed area peaked in 2012 with interest moving to more recent recommendations. Specific weight high (70.8). Resistance to lodging (7), Straw length, with PGR, average at 88. Mildew weak (4), brown rust good (7), Rhynchosporium weak (4), net blotch good (6) with BaYMV resistance. Average maturity. Yields better in the North (100).

KWS Creswell North 103 uT [80]

Candidate two-row feed variety.

KWS Glacier North 101 uT 81

A widely grown successor to KWS Cassia, the specific weight not quite as high (69.5). Straw both weaker (6) and shorter. Very weak for mildew (3) and slightly better for RLB. Early maturing. Better suited to heavier soils and Eastern region (102).

KWS Infinity North 102 uT 80

The specific weight is 68.0, below both KWS Cassia and KWS Glacier. Straw characters and maturity similar to KWS Tower; stiffer than KWS Glacier which may account for part of the decline in KWS Glacier and the increase in KWS Infinity in the seed stats. Disease resistance similar or weaker than KWS Glacier, other than RLB (6). Very weak to mildew. No apparent regional or textural interactions.

KWS Meridian

A conventional 6-row variety with a high yield, no longer on the Recommended List. Good disease resistance, a moderate specific weight and barley yellow mosaic virus resistance. Tall with moderate straw strength.

KWS Orwell North 102 uT 83

A new recommendation with a rather low specific weight 67.7, similar to KWS Tower and well below KWS Cassia at 70.8. Stiff straw (8). It has good resistance to Rynchosporium (7) but is very susceptible to mildew (3). Suited to lighter soils.

KWS Tower North 102 uT 80

A widely grown successor to KWS Cassia, the specific weight is disappointing at 67.6. Straw similar for length and strength. Weak for net blotch (4) and not as strong for brown rust 6, but better for mildew (5) and RLB (6). Suited to lighter soils and the North (102).

Retriever North 101 uT 75

Feed variety. No longer in trials. Has performed best in North region. Moderate straw strength and moderate disease resistance and rather low specific weight. Possesses resistance to BYMV.

Rubinese UK 95 uT [84]

Candidate with potential for brewing.

Sunningdale UK 107 uT [91]

Candidate six-row hybrid feed variety.

Surge North 99 uT 89

A new recommendation with a specific weight at 68.9. It has a very high untreated yield. Resistance to lodging average (7) with rather short straw. Other than net blotch rather weak at 5, disease resistance is good, especially brown rust (8) and RLB (7).

SY Venture

North 92 uT 74

Its malt Hot Water Extract exceeds Flagon, Cassata and Pearl, though screenings are slightly higher too. Resistance to lodging (7), equivalent to Pearl, better than Flagon but not as good as Cassata. Mildew (6), Brown rust weak (5), Rhynchosporium weak (4), Net blotch good (6). BaYMV resistant like Cassata. Average maturity equivalent to Pearl and Cassata, not as early as Flagon. One of the few varieties yielding better on heavy soils.

Talisman

North 95 uT 79

Fully recommended and Approved by IBD for malting and brewing. Competitive Hot Water Extract but prone to higher screenings. Taller and not as stiff (6). Other than Net Blotch (5) disease resistance is as good or better. Earlier. 2% higher yielding on lighter soils.

Volume

North 105 uT 83

Fully recommended with a specific weight of 68.1 (cf KWS Cassia 70.8) and screenings of 13.4% through a 2.5mm sieve (KWS Cassia 3.8%). Resistance to lodging (7), equivalent to KWS Cassia, but taller (+13cm). Mildew (5), brown rust (6), Rhynchosporium good (7), net blotch good (6) with BaYMV resistance. Early (-1). Yields better in the North (105) and slightly better on lighter soils.

AHDB Spring Barley Recommended List, 2016-17



North yield 100 = 7.0 t/ha

Varieties underlined are on the SRUC List 2016

Acorn UK 103 uT 90
Candidate with potential for malt distilling and brewing.

Belgravia North 93 uT 80
A north recommendation aimed mainly at the grain distilling market with its requirement for enzyme activity and a high nitrogen content. It remains the standard grain distilling variety while the industry considers a move to Olympus or Fairing given its disappointing agronomic yield. A decision might be made for Olympus this November if it produces the required positive malting results. It is tall, vulnerable to brown rust and RLB with ripening similar to Propino.

Chanson UK 108 uT 91
Candidate with potential for brewing, but not malt distilling.

Concerto North 95 uT 81
Fully Approved by the IBD for both brewing and distilling with over 70% of the 2015 Scottish malting spring tonnage. Straw rather weak (6) and tall (79) but good for brackling resistance. It is very vulnerable to RLB (4).

Dioptic
Candidate with potential for grain distilling. Not for brewing or malting distilling. Data cannot be published as it has yet completed National Listing.

Fairing North 97 uT 85
A special new recommendation aimed at the grain distilling market, it has Provisional Approval based on micro-malting results and will need to provide two positive macro-scale malting results in order to earn Full Approval. It is very much a fall back variety should Olympus fail to gain Full Approval for grain distilling as it outyields Belgravia. Fairing will not be supported for malt distilling. Straw similar to Olympus but with better resistance to brackling. It has excellent resistance to RLB; its vulnerability to brown rust is less of an issue if it is grown in the north for grain distilling where its early maturity will be a benefit.

Hacker North 101 uT 88
Recommended as a feed variety suitable for the West with a yield of 103 and useful straw characters, strength (8), length (75 cm), brackling resistance (9). Vulnerable to brown rust. Maturity similar to Propino.

KWS Irina North 107 uT 90
Fully Approved by the IBD for brewing with a Hot Water Extract superior to Propino and Odyssey but not as good as Concerto. Stiff (8) short straw with very good brackling resistance. Vulnerable to brown rust and RLB but with good resistance to Ramularia. Ripening similar to Propino.

KWS Sassy

North 108 uT 90

Newly recommended and provisionally Approved by the IBD for both brewing and distilling based on micro-malting results. Macro-scale trials from the 2016 harvest will depend on sufficient tonnages being available. If the tonnages are not available and the requisite positive results are not forthcoming in 2017, KWS Sassy will lose its Approval. Straw strength looks weak (6) with below average brackling resistance but it is tall (79 cm). Vulnerable to brown rust and RLB. The provisional seed area currently looks limiting especially for C1 and C2.

Laureate

North 109 uT 94

Newly recommended, and provisionally Approved by the IBD for both brewing and distilling based on micro-malting results; its Hot Water Extract is better than Odyssey. Straw strength (7), length (73cm) and good brackling resistance. Given its very high untreated yield, it has no apparent disease weaknesses. Ripening is similar to Concerto.

LG Okapi

Candidate with potential for grain distilling. Not for brewing. Data cannot be published as it has yet completed National Listing.

LG Opera

UK 107 uT 90

A malting candidate that looks promising for malt distilling and brewing.

Octavia

North 105 uT 87

A new Full Approval for both brewing and distilling with a Hot Water Extract even better than Concerto; it also provides a yield improvement over Odyssey especially in the North where it is 10% higher yielding than Concerto. The straw is rather weak (6) with mediocre resistance to brackling. Vulnerable to brown rust with good resistance to Ramularia. Ripening similar to Propino.

Odyssey

North 101 uT 85

Fully Approved by the IBD for brewing and distilling. Outyields Concerto by 6%. Straw rather weak (6), shorter than Concerto 75cm with good resistance to brackling. Vulnerable to brown rust. Ripening similar to Concerto.

Olympus

North 105 uT 88

Currently it has stage 2 IBD Approval for malt and grain distilling; more macro-scale results may be available in the autumn. Its agronomic yield is a big improvement (12% in the north) on grain distilling Belgravia. Its straw is of average strength (7), shorter than Belgravia (74 cm) with mediocre resistance to brackling (6). Vulnerable to brown rust. Ripening similar to Concerto.

Origin

A potential malting variety that has now been withdrawn from trials.

Ovation

North 108 uT

Newly recommended as a feed variety with yields both treated and untreated not superior to the highest yielding malting varieties. Straw strength is average (7) and at

73cm it is shorter than Waggon (75 cm) and Westminster (82 cm). Vulnerable to brown rust. Ripening later than Hacker, Waggon and Westminster, similar to Concerto.

Propino North 102 uT 85

Fully Approved by the IBD for brewing. Given its relatively low yield, growers should consider whether to replace it with another brewing only variety eg RGT Planet or KWS Irina or whether to move to a dual-purpose variety with distilling potential such as Odyssey and newly Approved Octavia. Average strength straw (7), fairly tall 76cm. with good brackling resistance. Relatively vulnerable to mildew and brown rust. Slightly earlier than Concerto.

RGT Planet North 107 uT 92

Fully Approved by the IBD for brewing. Has a Hot Water Extract, similar to KWS Irina, that is better than Propino and Odyssey. Straw characters average, strength (7), length 74, brackling (8). Vulnerable to brown rust and RLB but with very good resistance to Ramularia. Ripening similar to Propino.

Sanette

This malting variety is no longer on the AHDB recommended list.

Scholar North 107 uT 90

A recommended feed variety yielding much more than Waggon and Westminster. Straw strength is average (7) and short (75cm) with very good brackling resistance. Vulnerable to brown rust and RLB but with good resistance to Ramularia. Maturity similar to Concerto.

Sienna North 103 uT 89

Provisionally Approved by the IBD for both distilling and brewing; its Hot Water Extract is close to Concerto. It needs more positive macro-scale results before gaining Full Approval for distilling; its status will be reviewed in November when more results may be available. Brewing macroscale trials may follow the 2016 harvest. It has a high specific weight at 70.7 providing batch processes with a higher yield. Average straw strength (7), tall (78cm) with good brackling resistance. Vulnerable to brown rust. Ripening similar to Concerto.

Waggon North 100 uT 84

Is no longer in trials, but has been a popular choice for this market and performs well in most feed areas. It is very susceptible to Rhynchosporium, especially in the West of Scotland. In the East its infection levels have been lower and it has appeared to be more resistant. Its straw is of average length and stiff with a good rating for brackling resistance. Apart from Rhynchosporium, disease resistance is good and so is its green leaf area retention. It is early maturing and maintains its yield over a range of soil fertility situations and sowing dates.

Further details:

The full data sets collected are available on the AHDB Cereals & Oilseeds website here, <http://cereals.ahdb.org.uk/varieties>

Cereal varieties of most value to growers in Scotland are highlighted in the SRUC Scottish List tables here, <https://www.sruc.ac.uk/recommendedcereals>



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