

2009

The Uniform Soybean Tests: Northern States 2009

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THE UNIFORM SOYBEAN TESTS

NORTHERN REGION

2009



UNITED STATES DEPARTMENT OF AGRICULTURE
AGRICULTURAL RESEARCH SERVICE
WEST LAFAYETTE, INDIANA

COOPERATING WITH
STATE AGRICULTURAL EXPERIMENT STATIONS
NORTHERN STATES



Agriculture
Research
Service
www.ars.usda.gov

UNIFORM SOYBEAN TESTS

NORTHERN STATES

2009

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The USDA-Agricultural Research Service does not vouch for the authenticity of either the parentage or ancestry of entries in the Uniform Soybean Tests. This agency is not responsible for the accuracy of data submitted to and included in The Uniform Test Report.

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RR refers to Roundup Ready[®]. Roundup Ready[®] is a registered trademark of Monsanto Technology LLC.

2009 UNIFORM SOYBEAN TESTS NORTHERN STATES

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The Uniform Soybean Test is conducted and managed as a component of a CRIS project on Enhancing Resistance to Root Rot Pathogens of Soybeans in the USDA-ARS Crop Production and Pest Control Unit at West Lafayette, Indiana.

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INTRODUCTION

The purpose of The Uniform Soybean Tests is to critically evaluate the best of the experimental soybean lines developed by federal and state research personnel in the U.S. and Canada, for their potential release as new varieties.

A test is established for each of ten maturity groups. Uniform Test 00 includes maturity Group 00 strains adapted to production in the northern fringe of the present area of soybean production. Uniform Tests 0 through IV include later maturing strains adapted to locations progressively further south in the North Central States and areas of similar latitude. Each year new selections are added and others that have been sufficiently tested are dropped from the tests. The summary of performance of strains in Uniform Tests 00 through IV in the northern region is included in this report. The USDA-ARS Soybean Production Research Unit, P.O. BOX 196, STONEVILLE, MS 38776, issues the report on Uniform Tests IVS through VIII in the southern states.

Data from the Uniform Soybean Tests are the basis for decisions on the regional release of soybean varieties. Preliminary Tests are grown at a limited number of locations throughout the region to evaluate the experimental strains for one year before they are entered in the Uniform Tests. Uniform Tests are grown at more locations with more replications than Preliminary Tests.

The Uniform Soybean Test Report is a progress report containing statements, which may or may not be verified by subsequent experiments. Statements or data in the report, therefore, should not be published unless those concerned have obtained permission previously.

The USDA-Agricultural Research Service does not vouch for the authenticity of either the parentage or ancestry of entries in the Uniform Soybean Tests. This agency is not responsible for the accuracy of data submitted to and included in The Uniform Test Report.

Participants of the Uniform Soybean Tests at the annual meeting in February 2002 unanimously voted to amend the policy for evaluation of soybean strains. The primary change in policy focused on the inclusion of proprietary and/or transgenic strains in the tests. Emphasis was placed on having breeders currently using 'Roundup Ready' germplasm that is licensed with Monsanto contact Monsanto representative(s) to confirm if the current agreement permits evaluation of RR strains in the Uniform Soybean Tests. Information obtained by the ad hoc committee of southern (B. Paris, B. Kenworthy, & G. Busse) and northern (B. Schapaugh, D. Sleeper & R. Scott) participants and guidance from Dr. Rich Wilson, USDA-ARS, NPS-Oilseeds & Bioscience, permitted evaluation of RR germplasm in the 2002 Southern Uniform Soybean Tests; northern participants elected to delay testing of RR strains until 2003. Also, since the southern and northern participants chose to establish 'Combined tests' (including both proprietary and/or transgenic and conventional strains) vs. 'Separate tests', respectfully, the two working groups established guidelines for amending the policy on evaluation somewhat independently. Modifications identified in the 2002 and 2004 business meetings of the northern participants are included in the following policy information.

Northern Region UT – POLICY ON EVALUATION AND RELEASE OF STRAINS

Qualifications for inclusion in the Uniform Tests.

- 1) Participants must be willing and able to conduct separate tests for conventional strains and strains containing proprietary and/or transgenic traits. However, all participants are not required to evaluate both; and, placement of proprietary entries depends on whether transgenic or non-transgenic.
- 2) Participants are individually responsible to ensure that any proprietary and/or transgenic strains that they submit are approved for human consumption and are cleared for sale as commodity seed.
- 3) Participants must disclose pedigrees to the Uniform Test Coordinator for publication with performance data in Uniform Soybean Test Report unless contract arrangements prohibit disclosure of information.
- 4) It is recommended that breeders obtain written permission for the use of privately developed varieties or strains that are used as parents in the development of lines included in the Uniform Tests.

Use of Uniform Test entries in soybean breeding and research.

- 1) Seed of Uniform test entries is for evaluation in the Uniform tests only and may not be distributed to non-participants in these tests without prior approval by the originator of the entry.
- 2) Uniform Test participants must obtain written approval before using any entry, other than their own, as a recurrent parent in backcrossing, in any breeding or genetic studies, or for any other research.
- 3) Experimental strains entered in the Uniform Tests should be labeled "Experimental Strain" and should not be identified by strain designation when grown in demonstration plots or when the Uniform Tests are shown on field days or farm tours.
- 4) Seed of any transgenic entry must not be used for further evaluation without written permission from the originator of the entry, and must be discarded at the end of the season, except for crossing purposes, subject to the restrictions outlined in the preceding sections two and three.

Release of Uniform Test entries.

Entries in the Uniform Tests are released according to the policy of the originating institution (USDA-Agricultural Research Service and State Agricultural Experiment Station or Canadian government).

STRAIN DESIGNATIONS

Experimental (i.e., unreleased) strains are identified by a number with a state or province code letter prefix. The code letters have been agreed upon in meetings of experiment station agronomists with the U.S. Department of Agriculture. Additional code letters may be used to designate the individual within a state or province that developed the strain.

A	Iowa A.E.S.
Ar	Arizona A.E.S.
Au	Alabama A. E. S.
B	California
C	Purdue (Indiana) A.R.P. (C=J.R. Wilcox, CL=A. LeRoy)
CM	Canada Dept. of Agriculture, Morden, Manitoba
D	Mississippi A.E.S.
E	Michigan A.E.S.
F	Florida A.E.S.
FC	Forage and Range Research Branch, USDA
Ga	Georgia A.E.S.
H	Ohio A.R.D.C. (HC=R.L. Cooper, HF=R. Fioritto, HS=S.K. St. Martin)
K	Kansas A.E.S.
Ky	Kentucky A.E.S.
L	Illinois A.E.S. (LD=B. Diers, LG=R.L. Nelson, LN=C.D. Nickell, LS=M. Schmidt)
La	Louisiana A.E.S.
LS	Southern Illinois University
M	Minnesota A.E.S.
Md	Maryland A.E.S.
Me	Maine A.E.S.
N	North Carolina A.E.S.
ND	North Dakota A.E.S.
OAC	University of Guelph, Guelph, Ontario
OK	Oklahoma Agricultural Experiment Station
ORC	Ridgetown, Ontario
OT	Central Experimental Farm, Ottawa, Ontario
OX	Research Station, Harrow, Ontario
PI	Plant Inventory
R	Arkansas A.E.S.
RJ	Arkansas State University, Jonesboro
S	Missouri A.E.S. (SS=D. Sleper)
SC	South Carolina A.E.S.
SD	South Dakota A.E.S.
Ts	Texas A.E.S.
T	Soybean Genetic Type Collection, USDA, Urbana, IL
U, NEX	Nebraska A.E.S.
UD	Delaware A.E.S.
UM	University of Manitoba, Winnipeg, Manitoba
UT	Tennessee A.E.S.
V	Virginia A.E.S.
W	Wisconsin A.E.S.
X(Y)	Two or more states cooperatively, e.g. ND(M) North Dakota and Minnesota

METHODS

Uniform tests are planted in multiple-row plots with three or four replications, and the center rows are harvested for yield and seed quality determinations. Preliminary Tests are multiple-row plots with two replications. Usually 15 to 20 feet of row are planted and 12 to 16 feet harvested, to eliminate end-of-row effects. Coefficients of variability are included with all replicated test data. Discretion is used in including data with high CVs in the regional means. If the CV is greater than 15, participants should include the reason, such as disease or environmental conditions. Lines may be heterogeneous for morphological traits the first year in the Uniform Tests but must be pure lines the second year of testing. It is the responsibility of the breeder to purify heterogeneous lines.

Generation Compositd is the generation after the final single-plant selection, when seeds from plants or rows are composited.

Previous Testing is the number of previous years in the same Uniform Test or, in the case of new entries, a reference to the previous year's test, abbreviated to PT IIA for Preliminary Test IIA, for example.

Yield is measured after the seeds have been dried to uniform moisture content and is recorded in bushels (60 pounds) per acre. To convert to kilograms/hectare multiply by 67.25.

Maturity is the date when 95% of the pods have ripened, as indicated by their mature pod color. Delayed leaf drop and green stems are not considered in assigning maturity. Maturity is expressed as days earlier (-) of later (+) than the average date of the reference variety. To aid in maturity group classification, one earlier (E) and one later (L) check variety are given in the maturity column for each test, or a maturity check from an earlier or later maturity group is included. Current reference and check varieties and the maturity group limits relative to the reference varieties are:

<u>Group</u>	<u>Reference:</u>	<u>Range</u>	<u>Early check</u>	<u>Late check</u>
00	MN0071	-7 to +5		Trail (L)
0	Sheyenne	-6 to +2	Traill (E)	Surge(L)
I	MN1410	-4 to +4	Sheyenne (0)	IA1022 (SCN)
II	IA2094	-3 to +5	IA1022 (I)	IA3024 (L)
III	IA3023	-6 to +2	IA3024	IA4004 (L)
IV	LD00-3309	-4 to +7	IA4004 (III)	LD00-2817P (L)
ORR	RG600RR			SD1111RR (L)
IRR	SD1611RR		SD1111RR (E)	AG2002
IIRR	AG2403		AG2002	NEX2905A0R (L)
IIIRR	U03-827101 (SCN)		NEX2905A0R (E)	AG3803 (L)

These maturity group ranges are based on long-term means over many locations. When using data from other environments, the interval between reference varieties may vary, and the division between maturity groups should be estimated in proportion to the above figures. Additional check varieties may be included in specific tests such as IA1022 (SCN) for resistance to the soybean cyst nematode in UT I, or IA3024 as a 1% linolenic check in PTII, and PTIII.

Lodging is rated at maturity according to the following scores:

- 1 = Almost all plants erect
- 2 = All plants leaning slightly or a few plants down.
- 3 = All plants leaning moderately (45 degrees), or 25% to 50% of the plants down.
- 4 = All plants leaning considerably, or 50% to 80% of the plants down.
- 5 = Almost all plants down.

Height is the average length in inches of mature plants from the ground to the tip of the main stem. To convert to centimeters, multiply by 2.54.

Seed Size (i.e. weight per seed) is recorded in grams per 100 seeds based on a 100- or 200-seed sample. To convert to seeds per pound, divide this into 45,359.2.

Seed Quality is rated according to the following scores considering the amount and degree of wrinkling, defective seed coat (growth cracks), greenishness, and moldy or other pigment. Ratings for seed quality are:

1 -- Very good	2 -- Good	3 -- Fair	4 -- Poor	5 -- Very poor
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Seed Composition is measured on samples submitted to the USDA-ARS National Center for Agricultural Utilization Research, Peoria, Illinois. A 25-gram sample of clean seed is prepared by taking an equal volume or weight of seed from each replication. Protein and oil percentages are measured on these samples using near infrared transmittance, and reported as dry weight percentage value. The values listed in this report have been converted to a 13% moisture basis.

Descriptive Code: 1 2 3 4 5 6 7 8 abbreviated as underlined below.

- 1 = Flower color: Purple, White
- 2 = Pubescence color: Tawny, Gray, Light tawny
- 3 = Pod color: Brown, Tan
- 4 = Seed coat luster: Dull, Shiny, Intermediate
- 5 = Seed coat color = Yellow, Gray, Light gray, Green
- 6 = Hilum color: Black, Imperfect black, Brown, Buff, Gray, Yellow; prefixes indicate Light or Dark shades, e.g. Lbf = light buff, Dib = dark imperfect black. H indicates heterogeneous for hilum color.
- 7 = Stem termination: Determinate, Indeterminate, Semi-Determinate
- 8 = Ep high seed coat peroxidase, ep low seed coat peroxidase, H heterogeneous

Green Stem is a rating of delayed green stem at time of plant maturity (R8 = 95% of the pods have reached their mature pod color). The condition is rated according to the following scores.

- 1 = almost all plant stems yellowing or have ripened, as indicated by their mature stem color.
- 2 = 1 - 10% plants with green stems
- 3 = 11 - 25% plants with green stems
- 4 = 26 - 50% plants with green stems
- 5 = > 50% plants with green stems.

Shattering is scored at a specified time after maturity and is based on estimates of the percent of open pods as follows:

- 1 = No shattering
- 2 = 1% to 10% shattered
- 3 = 10% to 25% shattered
- 4 = 25% to 50% shattered
- 5 = Over 50% shattered

Iron chlorosis is rated from 1, no chlorosis, to 5, severe chlorosis.

Emergence score is related to hypocotyl elongation and is measured at Ames, Iowa by germination at 25 C (a critical temperature for differentiating strains). Four replications of 25 seeds/entry are planted in a 5-inch plastic pot at a 4.5-inch depth in sand. Seedlings that have emerged by 12 days after planting are counted and emergence score in relation to percent of seeds that germinate and emerge are as follows:

- 1 > 95%
- 2 = 91 to 95%
- 3 = 85 to 90%
- 4 = 76 to 84%
- 5 < 76%

DISEASE

Disease reactions are listed according to “Soybean Disease Survey Standards”, March 1960, unless otherwise specified. Disease reaction is scored from 1 (no disease) to 5 (very severe), or in some cases as percent infected or simply as + (present) or 0 (absent). Purple seed stain and seed mottling follow the disease severity class rating:

Disease severity class rating	1	2	3	4	5
Number of diseased seed in sample	0	1-3%	4-8%	9-19%	20-100%

An additional classification to describe the extent of seed coat mottling as M (mild), E (extensive), or S (severe), is included. Pod and stem blight is rated as percent of infected seed on a four-week delayed (“d”) harvest sample. The location where the test was made is identified in the column heading, and the letter “a” or “n” signifies artificial or natural infection. Clear-cut and consistent reactions are given by letter instead of number: R = resistant, S = susceptible, I = intermediate, and H = heterogeneous. Natural infection ratings are from agronomic tests in some instances and from special disease plantings in others. Absence of symptoms under natural infection does not necessarily mean high resistance.

Abbreviation	Disease	Pathogen
BB	Bacterial blight	<u>Pseudomonas syringa</u> pv. <u>glycinea</u>
BBV	Bud blight	Tobacco ringspot virus
BP	Bacterial pustule	<u>Xanthomonas campestris</u> pv. <u>phaseoli</u>
BS	Brown spot	<u>Septoria glycines</u>
BSR	Brown stem rot	<u>Phialophora gregata</u>
BTS	Bacterial tan spot	<u>Corynebacterium flaccumfaciens</u>
CN	Cyst nematode	<u>Heterodera glycines</u>
CR	Charcoal rot	<u>Macrophomina phaseolina</u>
DM	Downy mildew	<u>Peronospora manshurica</u>
FE	Frogeye leafspot	<u>Cercospora sojina</u>
PM	Powdery mildew	<u>Microsphaera diffusa</u>
PR	Phytophthora rot	<u>Phytophthora sojae</u>
PS	Purple stain	<u>Cercospora kikuchii</u>
P&SB	Pod & stem blight	<u>Phomopsis</u> spp.
Pyd	Pythium root rot	<u>Pythium debaryanum</u>
Pyu	Pythium root rot	<u>Pythium ultimum</u>
RK	Root knot nematode	<u>Meloidogyne</u> spp.
RP	Rhizoctonia root rot	<u>Rhizoctonia solani</u>
SB	Sclerotial blight	<u>Sclerotium rolfsii</u>
NSC	Northern Stem canker	<u>Diaporthe phaseolorum</u> var. <u>caulivora</u>
SCL	Sclerotinia stem rot	<u>Sclerotinia sclerotiorum</u>
SDS	Sudden death syndrome	<u>Fusarium virguliforme</u> , (E. <u>solani</u> f.sp. <u>glycines</u>)
SMV	Soybean mosaic virus	Soybean mosaic virus
TS	Target spot	<u>Corynespora cassiicola</u>
YMV	Yellow mosaic virus	Yellow mosaic virus

Rating for BB, BP, DM, FE, and PM are based on leaf symptoms; those for BSR on percent of plants with stem browning, or percent of stem length browned.

Illinois Sudden Death Syndrome rating: Plots were scored by Southern Illinois University. All disease scores were interpolated to the R 6.2 growth stage.

DX = SDS Disease index (DI x DS/9)

DI = SDS Disease Incidence (% of plants with visible leaf symptoms)

DS = SDS Disease Severity (1=mild chlorosis, 5=severe leaf scorch, 9=premature death of the plant)

Minnesota Iron Chlorosis scores (IDC): Scores are the values on the average of 2 observations taken mid July, and early August. Data was collected from Wilkin County, and Lake Lillian, Minnesota. Planting dates June 20, and June 22, 2008.

PROCEDURE FOR TESTING AND RELEASE OF STRAINS

Public soybean breeders have agreed upon this policy on testing and release of soybean strains evaluated in the Uniform Soybean Tests Northern Region. The policy was developed to assist breeders in preparing schedules for seed increases and to assist individuals and committees responsible for approving releases. The policy will aid private breeders in the U.S. and foreign countries to understand how releases will be made that may affect their programs.

Development and release of soybean strains is carried out by many public institutions. The programs at these institutions operate independently until strains are available for advanced testing in the Uniform Soybean Tests. The USDA-Agricultural Research Service coordinates the Uniform Soybean Tests. The tests are divided into those in the Northern Region, for strains in maturity groups 00 to IV, and those in the Southern States, for strains in maturity groups IVS to VIII. Group IV maturity strains are divided into an IVN test for the northern region and an IVS test for the southern region. Public soybean breeders are encouraged to enter superior strains they develop into the Uniform Soybean Tests.

Strains are evaluated for one year in the Preliminary Tests (PT), which are conducted at eight or more locations in several states. When the tests are completed, each public breeder is given the opportunity to review the results and to decide which strains merit further testing. In instances where there is little consensus among the breeders on the merits of a strain, the originator of the strain generally makes the final decision.

Strains that merit further testing are evaluated in the Uniform Tests (UT) conducted at more locations than Preliminary Tests and with three or four replications. Lines developed by four or more backcrosses to a released cultivar may be entered directly into the UT without prior evaluation in PT. Strains evaluated in Regional Cyst Nematode (SCN) tests may also be entered directly into the UT.

Strains may be considered for release after they have been evaluated for two years in the UT. Exceptions to this are special purpose strains or strains derived from four or more backcrosses to a released cultivar; these may be considered for release after one year in the UT. Any institution or breeder participating in the Uniform Soybean Tests may request consideration for release of any strains in the UT, however the institution that developed the strain usually initiates it.

A strain should be released only if it is distinctly superior to existing varieties in one or more characteristics important for the crop, or it is superior in overall performance in areas where adapted. A single major production hazard, which a new cultivar can overcome, e.g., a highly destructive disease, may be the overriding consideration in releasing a variety. Strains with a very limited range in adaptation should not be released unless performance in that limited range is outstandingly superior, or the strain possesses important use values not otherwise available, including diversification of the germplasm base for the species.

When a decision has been made to multiply a strain for release, the originating institution will inform other UT participants of the decision by February 15. This will give each UT participant the opportunity to participate in the multiplication and release of the strains.

By March 15 all institutions intending to participate in the multiplication of the strain must notify the originating institution of their intent. A final decision to participate in the release of the strain may be delayed until an additional year's data are available for review. By April 1 the originating institution should notify all UT participants what states will be participating in the multiplication and are considering participating in the release of the strain. Breeders seed is distributed to foundation seed organizations in participating states for production during the summer. At this time, if a final decision to release has been made, a sample of seed may be distributed to non-participants in the UT, including private soybean breeders, in accordance with a State's Experiment Station policy. This distribution is made only by the originating institution.

The originating institutions prepare a release notice to soybean seed producers listing all institutions participating in the release of the cultivar. This notice is circulated for signature by all participating institutions. Assistance in the preparation and circulation of this release notice may be obtained by Dr. Judith St. John, Associate Deputy Administrator for Plant Science, USDA, ARS, Bldg. 005, BARC-West, Beltsville, MD 20705, phone 301-504-6252. The office for clearance of proposed names of new soybean cultivars is: Dr. Richard Payne, Chief, Seed Regulatory & Testing Branch, Crossing Place, Suite C, Gastonia, North Carolina 28054-2193, phone 704-810-8870, Fax: 704-852-4189 (Lab). The date for simultaneous publicity release on new soybean cultivars by participating states is determined by the originating state, and is usually in August but may be delayed until the following April if additional UT data are being reviewed and a final decision to release has not been made.

If an additional year of UT data is being reviewed prior to a final decision on release, states producing foundation seed must notify the originating state by February 15 of their intent to participate in the release of the cultivar. The release notice to soybean seed producers should be distributed for signature by the participating institutions by April 1.

Foundation seed under the name of the new cultivar is distributed to qualified certified seed producers in states releasing the new cultivar by April 1. At this time a sample of seed may be distributed to non-participants in the UT, including private plant breeders, for testing and crossing if this distribution has not been made previously.

UNIFORM TEST STRAINS RELEASED IN 2009

Variety	Experimental designation	Uniform Test evaluations
IA3048	A06-911034	UT III
IA4004	A05-312025	2008 UT III
Ashtabula	ND02-2367	UT 0
Davison	SD02-22	2007-2008 UT II
Deuel	SD02-833	UT I
IN3C21Y	CL00177197	UT III

Variety	Release date	Releasing states or Provinces	Foundation seed production
IA3048	Nov. 2009	IA	2010
IA4004	Feb. 2009	IA	2008
Ashtabula	Jan, 2009	ND	2008
Davison	Feb. 09	SD	2009
Deuel	Feb. 09	SD	2009
IN3C21Y	May 09	SD	2009

2009 Soybean Cyst Nematode Evaluations

1500 eggs per plant inoculum

. = missing sample

* = small root

Ratings: FI values

HR <10 Highly resistant

R 10-24 Resistant

MR 25-39 Moderately resistant

LR 40-59 Low resistance

NR 60+ No resistance

For raw data, contact T. Niblack tniblack@uiuc.edu

HG Type 0 (Race 3)

Indicator	Mean	FI	<i>retest</i>	
			<i>Mean</i>	FI
Lee	298		94	
Essex	265		32	
PI548402	0	0	0	0
PI88788	3	1	0	0
PI90763	0	0	0	0
PI437654	1	0	0	0
PI209332	4	1	1	1
PI89772	1	0	0	0
PI548316	28	9	1	1
PI438489B	54	18	4	5
Pickett	1	0	0	0

HG Type 2.5.7 (Race1)

Indicator	Mean	FI	<i>retest</i>	
			<i>Mean</i>	FI
Lee	213		340	
Essex	192		252	
PI548402	1	0	3	1
PI88788	129	60	92	27
PI90763	0	0	0	0
PI437654	0	0	0	0
PI209332	163	76	193	57
PI89772	1	1	0	0
PI548316	188	88	215	63
PI438489B	1	0	59	17
Pickett	9	4	15	4

Note: **FI** count too low for accurate rating.

*retest

HG Type 0 (Race 3)					HG Type 2.5.7 (Race1)				
Entry	Line	Mean	FI	Rating	Mean	FI	Rating	Test	
7	ND04-11421	11	5	HR	242	71	NR	UT00	*
8	ND04-11549	293	98	NR	160	75	NR	UT00	
1	Sheyenne	213	72	NR	280	82	NR	UT0,PT0	*
2	MN1410	207	69	NR	246	115	NR	UT0,PT0	
3	Surge	244	82	NR	181	85	NR	UT0,PT0	
4	Traill (E)	234	79	NR	170	80	NR	UT0,PT0	
5	MN0606CN	4	1	HR	116	55	LR	UT0	
11	ND05-17923	172	81	NR	239	70	NR	PT0	*
12	ND06-25150	101	48	too variable	213	63	NR	PT0	*
13	ND06-25446	273	92	NR	150	70	NR	PT0	
14	ND06-25465	84	40	too variable	146	69	NR	PT0	
15	ND06-25513	60	28	too variable	153	72	NR	PT0	
16	ND06-25865	278	93	NR	99	46	LR	PT0	
17	ND06-25913	205	69	NR	247	73	NR	PT0	*
18	ND06-26269	278	94	NR	179	84	NR	PT0	
19	ND06-26477	227	76	NR	195	92	NR	PT0	
20	ND06-26480	217	73	NR	149	70	NR	PT0	

HG Type 0 (Race 3)					HG Type 2.5.7 (Race1)					
Entry	Line	Mean	FI	Rating		Mean	FI	Rating	Test	
2	IA1022 (SCN)	12	4	HR		154	72	NR	UTI,UTII	
5	AR06-165095	5	2	HR		233	69	NR	UTI	*
6	AR07-175064	7	2	HR		170	80	NR	UTI	
14	A08-151041	179	60	NR		139	65	NR	PTI	
17	A08-152035	192	65	NR		186	55	LR	PTI	*
1	IA2094	119	56	LR	*	119	56	LR	UTII	
3	IA3024	193	65	NR		226	106	NR	UTII	
5	A06-712040	1	0	HR		154	72	NR	UTII	
5	A08-152036	113	53	too variable	*	154	72	NR	PTIIA	
17	A08-249011	9	3	HR		138	65	NR	PTIIA	
18	A08-350064	2	1	HR		154	72	NR	PTIIA	
1	IA3023	280	94	NR		139	65	NR	UTIII	
3	IA4004	234	79	NR		139	41	LR	UTIII	*
4	U98-311442 (SCN)	11	4	HR		163	48	LR	UTIII	*
5	A06-911034	1	0	HR		156	73	NR	UTIII	
10	CL04-10534	16	5	HR		132	62	NR	UTIII	
11	CL04-13234	35	16	R?	*	35	16	R?	UTIII	
14	CL04-132315	12	4	HR		106	50	LR	UTIII	
15	CL04-132319	42	20	R?	*	42	20	R?	UTIII	
17	LD04-13265	12	4	HR		127	59	LR	UTIII	
12	A08-249012	21	10	R	*	247	73	NR	PTIIIA	*
18	A08-350049	24	11	R	*	263	77	NR	PTIIIA	*
19	LS06-1473	5	2	HR		137	64	NR	PTIIIA	
40	U06-627125	302	102	NR		175	82	NR	PTIIIA	
10	CL05-2816	298	100	NR		204	60	NR	PTIIIB	*
13	CL05-4611	149	50	LR		150	70	NR	PTIIIB	
14	CL05-4615	11	4	HR		127	60	NR	PTIIIB	
15	CL05-4619	131	44	LR		146	69	NR	PTIIIB	
16	CL05-4632	26	12	R	*	292	86	NR	PTIIIB	*
17	CL05-46116	10	5	HR	*	143	67	NR	PTIIIB	
18	CL05-46231	195	65	NR		128	60	NR	PTIIIB	
1	LD00- 3309	23	8	HR		150	70	NR	UTIV	
3	LD00- 2817P	2	1	HR		3	1	HR	UTIV	
9	LD04-12754	60	28	too variable	*	104	49	LR	UTIV	

HG Type 0 (Race 3)						HG Type 2.5.7 (Race1)				
Entry	Line	Mean	FI	Rating		Mean	FI	Rating	Test	
5	CL05-4612	101	48	too variable	*	230	68	NR	PTIV	*
6	CL05-4637	4	2	HR	*	128	60	NR	PTIV	
7	CL05-46324	11	5	HR	*	139	65	NR	PTIV	
8	CL05-46330	11	4	HR		147	69	NR	PTIV	
9	CL05-61210	28	9	HR		112	53	LR	PTIV	
10	CL05-6145	11	5	HR	*	173	81	NR	PTIV	
11	CL05-61413	4	1	HR		128	60	NR	PTIV	
12	CL05-61415	13	4	HR		163	76	NR	PTIV	
13	CL05-61418	6	2	HR		247	73	NR	PTIV	*
14	JTN-4109	256	86	NR		205	96	NR	PTIV	
25	LS06-1308	15	5	HR		189	88	NR	PTIV	
26	LS06-2204	7	2	HR		262	77	NR	PTIV	*
27	LS06-2217	11	4	HR		166	78	NR	PTIV	
28	LS06-2614	49	16	R		121	57	NR	PTIV	
1	SD1161RR/SCN	11	5	HR	*	157	74	NR	UTIRR	
2	SD1111RR	324	109	NR		201	94	NR	UTIRR	
3	AG2002	17	6	HR		174	81	NR	UTI-IIRR	
1	AG2403	242	81	NR		165	77	NR	UTIIRR	
3	AG2607	69	23	R		156	73	NR	UTIIRR	
4	NEX2905A0R	242	81	NR		159	75	NR	UTII-IIRR	
22	U06-818219R	272	91	NR		175	82	NR	UTIIRR	
23	U06-830260R	279	94	NR		201	94	NR	UTIIRR	
24	U07-135478R	244	82	NR		147	69	NR	UTIIRR	
25	U07-135636R	319	107	NR		150	70	NR	UTIIRR	
28	U07-236993R	216	73	NR		120	56	LR	UTIIRR	
32	U07-338147R	230	77	NR		158	74	NR	UTIIRR	
35	U07-439042R	128	60	NR	*	247	73	NR	UTIIRR	*
1	U03-827101	10	3	HR		133	62	NR	UTIIRR	
3	AG3504	17	6	HR		127	59	LR	UTIIRR	
4	AG3803	15	5	HR		150	70	NR	UTIIRR	
7	U05-810075R	115	54	LR	*	184	86	NR	UTIIRR	
8	U07-236557R	262	88	NR		284	84	NR	UTIIRR	*
9	U07-236566R	234	79	NR		221	65	NR	UTIIRR	*
10	U07-236709R	322	108	NR		168	79	NR	UTIIRR	
12	U07-338254R	303	102	NR		181	85	NR	UTIIRR	
13	U07-338436R	214	72	NR		156	73	NR	UTIIRR	
16	U07-338807R	334	112	NR		171	80	NR	UTIIRR	
17	U07-338828R	267	90	NR		294	86	NR	UTIIRR	*
19	U07-439027R	257	86	NR		207	97	NR	UTIIRR	
20	U07-439190R	199	67	NR		188	88	NR	UTIIRR	
21	U07-439221R	244	82	NR		174	82	NR	UTIIRR	

IDENTIFICATION OF PARENT STRAINS 2009

Strain	Parentage
A1	Anoka x Mack
A2	M63-17 x C1453
A4	L15 x AP68-1016
A13	Selection from AP9 Fe (S 1) C7
A29	1%-linolenic plant selection developed by Iowa State University
A55-5629-4	Roanoke x Hawkeye
A75-204018	IVR4731 x Wirth
A76-304020	(Beeson x AP68-1016) x (L15 x Calland)
A81-151026	A75-204018 x Century
A81-356022	Century x A76-304020
A86-186011	AP9 populations
A86-301024	A81-356022 x Hack
A87-187020	Jacques J103 x A81-151026
A87-395012	Fayette x Asgrow A3659
A92-525014	IA2008 x Kenwood
A92-535059	Asgrow A2187 x [(A86-186011 x DSR 252) x A87-187020]
A92-627030	Kenwood x Asgrow A3205
A94-770314	Pioneer P9303 x A87-395012
A95-583021	IA1009
A95-485020	(Pioneer P7273 x A13) x Jack
A95-684043	
A96-492041	Northrup King S24-92 x Northrup King S19-90
A96-591033	IA3003 x Pioneer P9273
A97-770051	Pioneer 9273 x (A92-535059 x IA1006)
A97-771039	A92-627030 X ORC 9205
A98-781041	Pioneer P9204 x Pioneer P9281
A99-217006	Dairyland DSR-365 x Agripro Ap1995
A01-410009	Pioneer P9306 x IA1009
A00-711063	Pioneer P9233 x A95-485020
A00-712012	AP1953 x IA2038
A00-812031	AP1953 X IA3010
A02-136021	NE1900 x Pioneer XB28V99
A02-136027	NE1900 x Pioneer XB28V99
A02-136030	NE1900 x Pioneer XB28V99
A02-237015	NE1900 x Pioneer XB28V99
A02-381100	
A02-381046	
A04-444032	AP 93046-A95-3127E x IA2064
A04-545015	Dairyland 98822 x A00-711025
A04-545045	Pioneer 93B86 x A00-711022
A04-645020	Pioneer 93B66 x Sygenta S20-F8
A04-645031	A00-711041 x Agripro X01138P77
AP 26	Unknown
AgriPro 35	L15 x Cutler
Agripro AP03-06	AP96596-B99-24476
Agripro AP1989	AP26 x Vickery
Agripro AP1953	Unknown
Agripro AP1995	Agripro 1989 x Asgrow A3427
AgriPro XC2284N	Unknown
Agripro X01138P77	
Agripro 97026-N99-42648	
Agripro 97023-A99-03284	
Agripro 97144-A00-15133	Unknown
AgriPro 97144-A00-19136	

IDENTIFICATION OF PARENT STRAINS 2009

Strain	Parentage
AgriPro 97284-N00-47977	
AgriPro 97611-B00-37197	Unknown
AgriPro 98180-A01-06131	
Agripro 98194-A01-27440	
Agripro 98633-B01-44373	
Agripro 98620-B01-51163	
Agripro 99022-A01-1228	
AP68-1016	Clark (5) x PI 84.946-2
APX04-76-6	SD01-76R(4) x Dowling
AR02-101001	Pioneer P9233 x A96-591033
AR03-361067	
Asgrow A1564	Hark x C1453
Asgrow A1929	
Asgrow A2187	A2 x Asgrow A2527
Asgrow A2234	[(Calland x Amsoy) x (Century(3) x Williams82)]
Asgrow A2575	C1453 x Amsoy 71
Asgrow A2833	
Asgrow A2943	Asgrow A1564 x Asgrow A3127
Asgrow A3127	Williams x Essex
Asgrow A3205	Northrup King S 1474 x Asgrow A3127
Asgrow A3322	
Asgrow A3427	
Asgrow A3659	Williams x Essex
Asgrow A3935	M0474C x Asgrow A3127
Asgrow A4715	Asgrow A5474 x (Douglas x Asgrow A3127)
Asgrow A5475	(Tracy x d5064) x Bedford
AX56P64-1	Adams x Harosoy
C1070	Ogden x Kent
C1079	Lincoln x Ogden
C1223	C1070 x Adams
C1253	Blackhawk x Harosoy
C1253	Blackhawk x Harosoy
C1266R	Harosoy x C1079
C1317	C1223 (8) x Mukden
C1453	C1266R x C1253
C1512-44	CX413 x CX412
C1944	CRS3-998-24-1 x HC85-2206
C1954	
C1979	IA3003 x Stressland
CL0J095-4	
CL0J173-6-2	Kottman x Dwight
CL0J173-6-8	Kottman x Dwight
CL0J177-9	Kottman x IA3011
CM304	Unknown
CRS3-998-24-1	Sel from High Pro Recurrent Sel Pop.
CX407	Amsoy x C1253
CX412	Wayne x C1317
CX413	CX407 x CX412
CX1834-1-2	Athow x M153-1-4-6-14
D49-2491	S100 x CNS = sister line of Lee
D51-4877	Roanoke x N45-745
D55-4168	Ogden x Biloxi
D58-3358	Jackson (4) x D49-2491
D59-9289	D51-4877 x D55-4168

IDENTIFICATION OF PARENT STRAINS 2009

Strain	Parentage
D65-6765	D58-3358 x D59-9289
Dairyland 99806	
Dairyland 99807	
Dairyland 98822	
Dairyland 99540	
Dairyland 99627	
Dairyland 99640	
Dairyland 99631	
Dairyland 99669	
Dairyland 99707	
Dairyland 99753	
Dairyland 99734	
Dairyland 99820-33	
Dairyland DSR 304	Williams x Unknown
Dairyland DSR 365	
DSR 252	Unknown
DSR300	unknown
GCS6009RR	from Gold Country Seed
Garst H-2285	
Golden Harvest 24040	
Golden Harvest H2885	
Golden Harvest X33686	unknown
GH03-1	Golden Harvest 24040
HC85-2206	Elf x Williams
HF99-019	IA 2022 x Archer
HF00-022	OXC-9227-7 x OXC-9227-4
HS87-5720	Asgrow A2943 x A83-271027
HS89-2966	Asgrow A2943 x A83-271027
HS93-4118	IA2007 x Dairyland DSR 304
HS94-4530	same F2 plant as Kottman
HS94-9053	P9268-003 x Vertex
HS95-2744	HS89-2966 x (HS87-5720 x PI 398.223)
HS98-3216	LG82-8379 x A2943
HS99-4256	HS94-4530 x IA 3004
HS0-3248	HS93-4118 x Kottman
HS1-3641	HS94-9053 x Kottman
HS1-3907	DSR300 x HS95-2744
HS1-7116	HS93-4118(2) x PI 398.693
IVR 1120	Provar x (AX56P64-1 x PI 191.110-1)
IVR 4731	Amsoy x Wayne
Jacques J103	Clay x Williams
KG20	McCall x 2S11
K1235	Hutcheson x Asgrow A3966
K1277	Hutcheson x Asgrow A3966
K1431	Flyer x Barc6
K1459	Asgrow A4715 x K88-22-42
K1620	
K88-22-42	Hamilton x N84-507
K00-72RR-2584	
K04-144	KS4303sp x KS5003sp
KS4303sp	Jack x Mercury
KS4602N	Delsoy 4710 x KS4694
KS5003sp	KS5292 x Mercury
Korada	unknown

IDENTIFICATION OF PARENT STRAINS 2009

Strain	Parentage
L15	Wayne(6) x Clark 63
L70-2283	Custer x Chippewa
L74-3897	Williams x Beeson
L75-8020	Williams x L70-2283
L77-443	Union x L75-8020
L77-906	Williams x PI 209.332
L77-994	Williams x PI 88.788
LG82-3002	PI 253665D x PI 283331
LG82-8379	PI 68508 x FC04007B
LG84-1096	PI 90566-1 x L74-3897
LG84-1272	PI 227333 x PI 91730-1
LG84-1291	F5 PI 68.522 x Hobbit
LG00-2455	F6 LG95-441-4 x IA2022
LG00-3056	F5 LG94-1128 x Savoy
LG00-3372	F5 PI 561319A x PI 574477
LG00-6313	F6 PI 574480B x PI 574477
LG00-7196	F5 LG93-7780 x Macon
LG82-8379	F4 PI 68508 x FC 04007B
LG84-1272	F5 PI 227333 x PI 91730-1
LG85-2846	F5 PI 404157 x PI 384469A
LG85-3343	F5 PI 361064 x PI 407710
LG86-6989	F9 PI 253665D x PI 283331
LG86-7754	F5 PI 407720 x PI 407710
LG87-1782	F6 PI 297515 x PI 290126B
LG87-1991	F6 PI 189930 x PI 68600
LG87-430	F8 PI 297544 x PI 290126B
LG88-3146	F6 PI 427099 x PI 445830
LG88-8958	F6 PI 253665D x PI 283331
LG89-1525	F8 PI 90566-1 x L74-3897
LG89-7629	F5 Ripley x PI 445837
LG89-771	F4 LG85-3343 x LG85-2846
LG89-773	LG85-3343 x LG85-2846
LG89-6661	Sherman x LG84-1096
LG89-7793	F5 PI 391594 x Century
LG89-8286	LG82-3002 x Elgin
LG90-2179	PI 437851A x Ripley
LG91-5681	F6 LG87-430 x A3127
LG91-7320	F6 BSR 101 x LG82-8379
LG91-7431	F6 LG84-1272 x Elgin
LG93-7780	F6 LG86-6989 x A3205
LG94-1128	F6 LG85-3343 x LG87-1991
LG95-441-4	F10 PI 68508 x FC 04007B
LG96-1971	LG89-7619 x A3935
LG97-7012	LG89-1525 x A3322
LG97-8984	LG89-6661 x HS89-3261
LG97-9015	LG89-8286 x LG89-6661
LG97-9226	F6 LG89-7629 x 9303
LG97-9301	F6 LG89-7793 x LG88-8958
LG97-9384	LG90-2179 x A3322
LG97-9685	F6 LG89-1525 x A3322
LG98-1445	F6 LG91-7431 x 9273
LG98-1454	F6 LG91-7431 x 9273
LG98-1605	F6 LG88-8958 x LG89-771
LG99-11620	F6 LG86-7754 x LG88-3146

IDENTIFICATION OF PARENT STRAINS 2009

Strain	Parentage
LG99-11986	F6 LG87-1782 x LG88-3146
LG99-5106	F6 LG91-7320 x Kenwood
LG99-5219	F6 LG91-5681 X Probst
LG00-6293	
LN85-6800	LNx8132 x LN80-7532
LN86-4668	Fayette x Hardin
LN90-4336	LN86-4668 x Resnik
LN93-14408	Burlison x LN85-6800
LN97-24270	Jack x Macon
LN97-26569	Yale x Macon
LN97-26597	Yale x Macon
LNx8132	Hack x A78-121014
LN98-1243	PI 56740A x Savoy
LS93-0375	Asgrow A3935 x Pioneer P9402
LS95-0709	DeKalb 469c x L87-1922
LS96-0582	
LS97-3004	
LS97-3718	Flyer x Asgrow A4138
LS97-1610	
LS98-0233	
M0474C	White flowered off type in Mitchell
M0835	IVR 1120 x Calland
M10	Lincoln(2) x Richland
M153	M 153 mutation line.
M402	Renville x Capital
M42-37	Lincoln(2) x Renville
M53-117	M10 x PI 180.501
M54-110	Harosoy x Norchief
M54-120	M54-240 x M54-139
M54-139	Renville x Capital
M54-240	Korean x M42-37
M59-120	M54-240 x M54-139
M61-224	Merit x Harosoy
M63-17	M402 x M54-110
M63-194	Corsoy x PI 132.207
M63-217Y	Corsoy x M53-117
M68-49	Evans x M59-120
M70-294	PI 358.323 x M63-217Y
M61-224	Merit x Harosoy
M71-148	Clay x Evans
M73-62	M61-224 x PI 297.518
M74-227	M68-49 x M63-194
M74-23	M68-49 x Hodgson
M74-337	Evans x NK 9436
M96-714-81	
M81-27	M68-49-26 x M70-294
M83-64	M74-227 x L78-189
M83-442	M71-148 x Peterson 0877
M84-93	M71-148 x Ozzie
M85-52	M73-62 x Simpson
M87-727	M73-62 x Simpson
M87-346	M76-55 x Simpson
M87-1088	Evans x Ozzie
M91-116124	Faribault x Archer

IDENTIFICATION OF PARENT STRAINS 2009

Strain	Parentage
M91-198009	Toyopro x Kato
M92-1631	Maple Ridge x Lakota
M92-120014	M87-1088 x Dawson
M92-185003	Archer x Glacier
M92-270029	M87-727 x M87-346
M93-133047	Faribault x Bell
M94-161045	IA1006 x Agassiz
M95-327061	Parker (3) x Marcus 95
M96-355009	M91-116124 x MN1301
M96-71481	
M96-136086	ND(M)90-370(2) x Resnik
M97-115063	MN0301 x Tracker
M97-121119	MN0302 x Pioneer 9004
M97-121138	MN0302 x Pioneer 9004
M98-108119	M92-120014 x Traill
M98-315056	Toyosamari x Toyopro
M98-332108	M91-198009 x M93-133047
N45-745	Ogden x CNS
N70-1549	Dare x D65-6765
N70-2173	Hampton x Ransom
N77-114	Essex x N70-2173
N77-907	N70-1549 x Centennial
N84-507	N77-114 x N77-907
N98-4445A	
NE1900	MSBP1
NE2801	MSBP2
NE3001	Colfax x A91-701035
NE3202	MSBP3F6
ND88-686	Evans x Bicentennial
ND88-800	Maple Amber x Evans
ND92-2381	M83-64 x Pioneer 9061
ND93-5849	KG20 x Maple Donovan
ND93-6064	Agassiz x Pioneer 9061
ND95-952	ND88-800 x Pioneer 9062
ND95-1564	Parker x Pioneer 9061
ND97-1211	Glacier x Lambert
ND99-1002	SD92-1323 x Jim
ND99-2608	M91-564 x Pioneer 9092
ND99-2621	M91-564 x Pioneer 9092
ND00-547	Pioneer 9092 x Korada
ND00-908	ND93-6064 x ND92-2381
ND00-2765	M91-895 x ND93-5849
ND01-3533	IA1009 x ND95-952
ND01-3559	Pioneer 91B01 x ND92-2381
ND01-3739	ND95-952 x A96-492041
ND(M)90-705	Toyopro X Kato
NK S32-Z3	
NK 9436	Northrup King Co.
Northrup King S1346	A55-5629-4 x PI 257.435
Northrup King S1474	Hark x Wayne
Northrup King S1492	Corsoy x Wayne
Northrup King S15-50	[Mack x Corsoy x Pride B216(2)] x (NKS1492 x Lee74)
Northrup King S19-90	Pride B216 x Pella
Northrup King S24-92	Asgrow A3127 x [(IVR 1120 x Calland) x (Mitchell x Cutler 71)]

IDENTIFICATION OF PARENT STRAINS 2009

Strain	Parentage
Northrup King S35-35	
Northrup King S42-30	Essex x AgriPro 35
OAC 95-06	OT89-18 x OAC Shire
OAC 98-01	OAC Frontier x ND88-686
OAC 01-12	ND(M)90-705 x OAC Klondike
OAC 01-15	OAC Bayfield x OAC Millennium
ORC 9002	A81-151026 x Elgin
ORC 9205	Conrad x RCAT Alliance
OT89-18	Maple Arrow x 881-57
OT88-11	Maple Ridge x Lakota
OX-8601-1	
OX-85242-3	C3S1-57 x C3S1-53
OX-85284-4	C3S1-71 x C3S1-69
OX-85251-16	C3S1-62 x C3S1-53
OX-89182-2-1	OX-8601-1 x OX-85284-4
OX-89194-1-8	OX-85242-3 x OX-85251-16
OXC-9227-4	OX-89182-2-1 x OX-89194-1-8
OXC-9227-7	OX-89182-2-1 x OX-89194-1-8
PS 73	Pride Seed Canada
Peterson 0877	(Clark x Chippewa 64) x Corsoy
Pioneer 91B01	Asgrow A2234 x Pioneer 9061
Pioneer 91M10	Unknown
Pioneer 93B82	Unknown
Pioneer 93B86	Unknown
Pioneer 1677	Rampage x Corsoy(2)
Pioneer P9004	M83-442 x McCall
Pioneer P9061	Wells x Pioneer 1677
Pioneer P9071	Pioneer P9061 x Pioneer P9181
Pioneer P9092	Pioneer 9061 x S15-50
Pioneer P9181	Beeson x Williams
Pioneer P9204	
Pioneer P9233	
Pioneer P9268-003	PI 92.718-2 x Pioneer 9271
Pioneer P9271	(Corsoy x Magna) x Williams
Pioneer P9273	Pioneer 2981 x Asgrow A3127
Pioneer P9281	Hark x (Corsoy x Calland)
Pioneer P9303	Pioneer P2981 x M0835
Pioneer P9306	
Pioneer P9341	CM304 x Asgrow A3127
Pioneer P9402	(L77-994 x Asgrow A3127) x L77-994
Pioneer XB28V99	
Pioneer XB31Z01	
Pride B152	Northrup King S 1346 (6) x Mack
Pride B216	Corsoy x Wayne
S02-750CR RR	SS94-7546 x S86-4499(4) x RR
S86-4499	(L77-443x L77-906) x Pella
S03-W4	Syngenta
S10	Unknown
S100	Rouge x Illini
S15-50	[Mack x Corsoy x B216(2)] x [S1492 x Lee74]
SD87-001	Fiskeby x IX93-100
SD92-1323	Kasota x Kato
SD93-828	Parker x Archer
SD93-828E	Parker x Archer

IDENTIFICATION OF PARENT STRAINS 2009

Strain	Parentage
SD93-828R	SD93-828(4) x Resnik RR
SD93-954	Kasota x Kato
SD93-1040RR	Parker x Sibley
SD93-1208RR	
SD94-808	Parker x Archer
SD94-1370	SD87001 x Leslie
SD94-1662	
SD96-153-3	Surge x Hendricks
SD96-702	ORC9002 x Ozzie
SD99-36	
SD99-011R	SD94-808 x SD93-1040RR
SD99-469	SD93-954 x Marcus 95
SD99-1236	Norsoy x Erie
SD99-1530	SD(M)93-907 x Marcus 95
SD00-048R	SD94-808 x SD93-1040RR
SD00-805R	SD94-1370 x SD93-1208RR
SD00-1277 RR	(Surge x ResnikRR) x Surge
SD00-1307R	Surge (2) x Resnik RR
SDX98-74151	IA 2034 x C1954
SDX98-76192	Pioneer P9071 x C1944
SD01-76R	(Stride x ResnikRR) x Stride
SD01-3382R	SD94-1662 x SD1091RR
SDX00R-015-44	SD96-702 x SD93-828E
SDX00R-015-49	SD96-702 x SD93-828E
SDX00R-017-5	A97-770051 x SD93-823E
SDX00R-017-18	A97-770051 x SD93-823E
SDX00R-030-47	IA2021 x SD93-828E
SDX00R-035-1	A97-771039 X Hendricks RR
SDX00R-035-24	A97-771039 X Hendricks RR
SDX00R-036-9	SD93-828E x (SD94-1370 x SD93-1208)
SDX00R-039-47	IA2021 x SD93-828E
SDX01R-024	Traill x SD1081RR
SN94-4337	Jack x P9341
SECAN 00-35	OAC 95-06 x OAC Bright
SSR1-3	
SSR1-11	Jack x Pioneer P9341
S91-5371-17	Williams (2) x (Forrest X PI437654)
S88-1318	Peking x Elf
SN94-4337	
SS94-7546	Pioneer 9341 x S86-4499
SS96-5637	S88-1318 x S91-5371-17
SS98-3403	NK S42-32 x NK S35-35
SS16257-17	PI 1594166 x Ohio FG1
Soygenetics 96-20403	
Soygenetics 96-22065	Soy04-11
Soygenetics F10371	
Soygenetics F21156C	
Soygenetics F26135C	
Soygenetics N27205C	
Syngenta S18-N5	
Syngenta S32-Z3	
Syngenta M815869	
Syngenta MT913155	Holt x Dairyland DSR 304
Syngenta MT913155	Parker x Holt

IDENTIFICATION OF PARENT STRAINS 2009

Strain	Parentage
Syngenta SJ833009	
Syngenta WW228348	
U92-3815	
U94-2306	A94-773014 x Bell
U94-3412	U94-3412 x IA3010
U97-201128	U94-2306 x UP1FE-9
U97-209053-74	unavailable
U98-205355	A94-773014 x Bell
U98-307162	U94-3412 x IA3010
U98-307917	U94-2306 x A92-525014
U98-311442	A94-773014 x Bell
UX1877	U00424033
U02-140131	NE1900 x A97-770031
U00-130753	NE3001 x A2833
U00-405036-031	NE3001 x HOI-672
U00-408032-048	NE3001 x HOE x 149
U00-424033	NE301 x UP1C6-47
U01-290680	NE3001 x HOL-833
U01-310156	UP3YC1S3
U01-390489	IA1008 x NE3001
UP3YC1S3	G. Graef Intermated population
UP1C1-92-102	G. Graef Intermated population
UP1C4-95-30	G. Graef Intermated population
UP1C6-47	G. Graef Intermated population
UP2YC3S3:4	G. Graef Intermated population
X33802	
98820-33	
3D1-11	
0D032-3118	
059-903	PI 438.471
2S11	059-903 x Hardome
881-57	Williams x Maple Presto
8902	
9071	
2S11	059-903 x Hardome

2009 DISEASE, SHATTERING, AND DESCRIPTIVE DATA

Location		Tests Conducted By:	Tests	UT	PT	UT RR
IA	Humboldt	W. Fehr/K. Scholbrook	Fe Chlorosis	I-III	I-III	
IL	Havana	J. Klein, C. Schmidt	SDS	I-II		I-II
	Valmeyer	J. Klein, C. Schmidt	SDS	III-IV		III
IN	Lafayette	S. Abney, B. Foss	FE	I-IV	I-III	I-III
	Lafayette	S. Abney	PR 4 & PR 7	00-IV	0-IV	0-III
	Lafayette	W. Crochet	Descriptive Code	00-IV	0-IV	0-III
	Lafayette	W. Crochet	Green Stem	I-IV		
	Wanatah	W. Crochet	Green Stem			I-III
MN	Wilkin County	J.H. Orf, P. Schaus	Fe Chlorosis	00-II	0-I	00-I
ONT	Harrow	V. Poysa/B. Armstrong	Green Stem	II	II	
KS	Ashland	W. Schapaugh, Jr.	Shattering Score	00-IV	0-II	00-IV
TN	Jackson	P. Arelli, L. Fritz	Green Stem		IV	

2009 UNIFORM AND PRELIMINARY TEST LOCATIONS

Location	Tests Conducted By:	Uniform Tests						Preliminary Tests					Uniform Tests RR				
		00	0	I	II	III	IV	0	I	II	III	IV	0	I	II	III	
IA	Ames	W. Fehr			X	X	X			X	X	X					
	Carlisle	W. Fehr					X				X						
	Charles City	W. Fehr			X				X								
	Rippey	W. Fehr				X				X							
	Burkey Farms	S. Cianzio				X											
	Crawfordsville	S. Cianzio					X										
	Kanawha	S. Cianzio			X												
IL	Belleville	J. Klein						*				*					
	Dekalb	B. Diers				X											
	Harrisburg	J. Klein					X					X					
	Arthur	B. Diers					X										
	Urbana	B. Diers				X	X	X			X	X	X			X	X
IN	Lafayette	W. Crochet			X	X	X	X		X	X	X	X		X	X	X
	Wanatah	W. Crochet			X	X	X								X	X	X
KS	Ashland	W. Schapaugh Jr.					X	X				X	X				X
	Manhattan	W. Schapaugh Jr.															X
	Ottawa	W. Schapaugh Jr.					X	X									X
KY	Lexington	E. Lacefield						X									
Man	Morden	A. Sloan	*														
MD	Queenstown	W. Kenworhty					X	X					X				
MI	Ingham Co.	D. Wang / J. Boyse			X	X				X	X				X	X	
	Lenawee Co.	D. Wang / J. Boyse				X										X	
	Saginaw Co.	D. Wang / J. Boyse			X										X		
MN	Crookston	J. Orf	X														
	Lamberton	J. Orf			X	X				X					X		
	Moorhead	J. Orf	X														
	Morris	J. Orf		X						X					X		
	Rosemount	J. Orf		X						X					X		
	Shelly	J. Orf	X														
	Waseca	J. Orf			X	X				X					X		
MO	Columbia	D. Slepser					X	X				X	X				
	Portageville (Clay)	G. Shannon					X	X					X				X
	Portageville (Loam)	G. Shannon					X	X									X

2009 UNIFORM AND PRELIMINARY TEST LOCATIONS

Location	Tests Conducted By:	Uniform Tests						Preliminary Tests					Uniform Tests RR				
		00	0	I	II	III	IV	0	I	II	III	IV	0	I	II	III	
NE	Beemer			X	X				X	X				X	X		
	Cotesfield			X	X				X	X				X	X		
	DeWitt					X					X					X	
	Phillips			X	X				X	X	X			X	X		
	North Bend					X										X	
	Lincoln					X					X					X	
ND	Casselton	X	X					X									
	Northwood	X															
OH	Hoytville				X	X				X	X						
	Wooster				X	X											
	St. Charleston					X	X				X						
ONT	Chatham			X	X					X							
	Dundalk	X															
	Elora	X															
	Harrow				X					X							
	Ottawa	X	X														
	Palymra								X								
	St. Pauls		X					X									
	Woodstock		X					X									
QUE	St. Mathieu	X	X					X									
	St. Hyacinthe			X					X				X	X			
	La Pocatiere	X															
SD	Aurora		X	X	X			X	X	X			X	X	X		
	Beresford														X		
	Bristol		X														
	Watertown																
TN	Jackson											X					
X Location With Agronomic Data		10	8	15	18	19	11	7	12	12	11	8	4	11	10	11	
X Location With Seed Composition Data		9	7	10	14	13	8	7	8	9	8	7	3	6	4	4	
* Location data not submitted.																	

Uniform Test 00, 2009

Ent.	Strain	Parentage	Seed Source	Previous Testing	Gen. Comp.	Unique Traits
1.	MN0071 (00)	Harmony x OT92-8	Orf	9	F5	Rps1
2.	Cavalier	Sargent x ND96-1006	Helms	4	F4	Rps6
3.	Traill (0)	M82-996 x Sigco KG20	Helms	14	F5	
4.	M00-307055	M92-270029 x M93-313185	Orf	3	F5	Rps1
5.	M03-147-1022	MN0302 x MN0091	Orf	new	F5	Rps1
6.	M03-158071	M97-121138 x MN0091	Orf	new	F5	Rps6, White Mold
7.	ND04-11421	(SD96-702 x Loda) x MN0902CN	Helms	UT0	F4	SCN
8.	ND04-11549	(IA1009 x Sargent) x MN0902CN	Helms	2	F4	SCN, Rps6
9.	ND05-18121	Norpro x Traill	Helms	1	F5	
10.	ND05-18208	ND99-2608 x MN0302	Helms	PT0	F4	Rps1-k
11.	ND06-4208	Walsh x ND00-547	Helms	new	F4	Rps1c
12.	ND06-4214	Walsh x ND00-547	Helms	new	F4	Rps1c
13.	ND06-4217	Walsh x ND00-547	Helms	new	F4	Rps1c
14.	ND06-5248	ND00-547 x Walsh	Helms	new	F4	Rps1c
15.	ND06-5455	OAC Atwood x ND00-908	Helms	new	F4	Rps1k
16.	ND06-5603	ND99-2621 x ND00-2756	Helms	new	F4	Rps1c
17.	OAC 06-02	SECAN 00-35 x PS 55	Rajcan	1	F5	
18.	OAC 07-03C	ND97-1211 x S03-W4	Rajcan	new	F5	
19.	OAC 07-04C	RCAT Corbett x OAC Champion	Rajcan	new	F5	
20.	OAC 07-06C	OAC 01-15 x ND97-1211	Rajcan	new	F5	

UNIFORM TEST 00, 2009

DESCRIPTIVE AND DISEASE DATA

Strain	Descriptive Code	<u>Chlorosis</u>	<u>Shattering</u>	<u>PR</u>	
		Score Wilkin County MN	Score Ashland KS	Lafayette Race 4	Lafayette Race 7
MN0071 (00)	PTBIYBrI	2.5	1.0	S	S
Cavalier	PTBDYYI	2.5	1.0	R	S
Trail (0)	PTBIYYI	3.0	1.0	S	S
M00-307055	PGBDYbI	2.5	1.0	S	S
M03-147-1022	PTBDYGI	2.5	1.0	S	S
M03-158071	WTTDYYI	2.5	1.0	R	S
ND04-11421	PTT+BDYBrI	3.0	1.0	S	S
ND04-11549	PGBDYBfI	2.5	1.0	H*	S
ND05-18121	PTBDYYI	3.0	1.0	S	S
ND05-18208	PGBDYBfI	2.5	1.0	R	R
ND06-4208	PTBDYYI	2.5	1.0	R*	R
ND06-4214	PTBDYGI	2.5	1.0	R*	R
ND06-4217	PTBDYGI	3.0	1.0	R*	S*
ND06-5248	PTBDYGI	3.0	1.0	R*	R
ND06-5455	PGBDYYI	3.0	1.0	R	R
ND06-5603	PGBDYYI	3.0	1.0	S	R
OAC 06-02	PTBDYBrI	2.5	1.0	S	S
OAC 07-03C	PTBDYYI	2.5	1.0	H*	S
OAC 07-04C	PTT+BIYYI	3.5	1.0	R*	S
OAC 07-06C	PTBIYYI	4.0	1.0	R*	S

PR: * = *P. sojae* inoc. Reaction NOT compatible with breeder's information about *Rps* Trait

UNIFORM TEST 00, 2009

REGIONAL SUMMARY

No. of Tests Strain	Yield 6 bu/a	Rank 6 No.	Maturity 10 Date	Lodging 10 Score	Plant Height 9 In	Seed Quality 9 Score	Seed Size 10 g/100	<u>Composition</u>	
								Protein 9 %	Oil 9 %
MN0071 (00)	40.9	13	9/23	1.3	26	1.7	15.1	34.8	17.6
Cavalier	39.8	18	2.2	1.3	25	1.7	17.9	35.1	16.9
Traill (0)	44.4	6	3.0	1.4	26	1.6	16.2	36.1	16.9
M00-307055	40.7	14	7.6	1.5	26	1.7	12.5	34.8	17.2
M03-147-1022	41.0	12	0.3	1.3	25	1.8	17.0	36.7	17.2
M03-158071	42.1	7	3.4	1.4	28	1.8	13.3	36.3	16.4
ND04-11421	38.8	18	4.9	1.1	24	1.9	16.1	36.8	16.4
ND04-11549	40.3	15	0.5	1.4	26	1.9	13.9	33.9	17.5
ND05-18121	41.3	10	-1.4	1.3	23	1.7	17.0	35.1	17.3
ND05-18208	40.0	17	7.7	1.6	27	1.5	12.1	34.6	17.6
ND06-4208	41.1	11	-0.6	1.2	22	1.5	15.0	35.2	17.3
ND06-4214	41.6	9	0.2	1.3	24	1.9	14.7	34.9	17.1
ND06-4217	39.8	18	0.3	1.1	23	1.8	16.7	34.4	17.5
ND06-5248	44.5	5	0.0	1.3	24	1.8	16.6	35.5	17.0
ND06-5455	42.0	8	2.2	1.1	22	2.1	14.8	34.7	17.3
ND06-5603	40.2	16	-0.2	1.3	25	1.6	12.8	34.7	17.7
OAC 06-02	46.7	2	1.7	1.2	25	1.8	14.9	34.1	17.7
OAC 07-03C	46.9	1	3.7	1.3	26	1.8	15.9	35.7	17.2
OAC 07-04C	45.3	4	6.4	1.3	25	2.4	17.4	36.7	16.5
OAC 07-06C	45.4	3	3.6	1.5	24	1.4	15.7	35.5	17.4

121.4 Days After Planting

UNIFORM TEST 00, 2009

2008-2009 2-YEAR MEAN

No. of Tests Strain	Yield 15 bu/a	Rank 15 No.	Maturity 20 Date	Lodging 20 Score	Plant Height 18 In.	Seed Quality 17 Score	Seed Size 19 g/100	<u>Composition</u>	
								Protein 16 %	Oil 16 %
MN0071 (00)	41.1	6	9/18	1.2	28	1.6	14.9	34.6	17.8
Cavalier	42.0	5	1.9	1.2	27	1.7	17.5	34.8	17.2
Trail (0)	44.5	3	4.1	1.4	28	1.6	15.8	36.1	16.9
M00-307055	45.2	2	7.2	1.4	29	1.5	12.7	34.9	17.3
ND04-11549	40.6	7	0.5	1.5	28	1.8	13.6	34.1	17.5
ND05-18121	42.1	4	-0.3	1.3	25	1.6	16.8	35.1	17.4
OAC 06-02	46.8	1	3.9	1.2	28	1.6	14.8	34.1	17.7

118.7 Days After Planting

2007-2009 3-YEAR MEAN

No. of Tests Strain	Yield 23 bu/a	Rank 23 No.	Maturity 29 Date	Lodging 27 Score	Plant Height 24 In.	Seed Quality 25 Score	Seed Size 27 g/100	<u>Composition</u>	
								Protein 24 %	Oil 24 %
MN0071 (00)	41.1	3	9/15	1.2	28	1.5	14.9	34.0	18.1
Cavalier	41.2	2	2.3	1.2	27	1.6	17.1	34.2	17.4
Trail (0)	44.6	1	4.8	1.3	28	1.5	15.6	35.5	17.2
ND04-11549	40.7	4	0.9	1.4	28	1.8	13.6	33.6	17.9

116.4 Days After Planting

UNIFORM TEST 00, 2009

YIELD (bu/a)

Strain	Mean	Crookston*	Moorhead*	Shelly	Casselton*	Northwood*	Dundalk	Elora	Ottawa	La	St. Mathieu
	6									Pocatiere	de-Beloeil
	Tests	MN	MN	MN	ND	ND	ONT	ONT	ONT	Que.	Que.
MN0071 (00)	40.9	16.8	25.7	37.1	21.4	27.4	22.4	44.5	46.0	53.0	42.6
Cavalier	39.8	25.7	20.8	30.5	23.2	28.3	22.2	45.2	48.4	44.8	47.9
Traill (0)	44.4	25.3	33.7	35.5	26.4	30.3	25.9	48.6	48.6	46.2	61.7
M00-307055	40.7	37.5	37.5	39.1	25.6	34.6	8.3	43.3	49.9	46.8	56.7
M03-147-1022	41.0	27.0	23.8	35.6	14.3	30.3	22.8	47.3	46.2	45.2	48.9
M03-158071	42.1	39.3	34.7	46.8	27.7	32.9	19.4	46.2	46.8	49.9	43.5
ND04-11421	38.8	29.9	34.2	42.9	14.3	33.5	11.5	42.0	48.6	45.3	42.4
ND04-11549	40.3	27.7	26.3	38.1	20.1	28.9	20.2	41.9	46.8	44.1	50.8
ND05-18121	41.3	29.4	25.4	34.4	17.7	31.9	26.5	43.1	49.8	44.3	49.8
ND05-18208	40.0	34.0	27.2	45.6	24.4	28.4	11.8	43.8	50.4	40.5	47.8
ND06-4208	41.1	25.7	29.3	40.3	19.1	32.2	24.1	43.3	45.9	49.8	43.2
ND06-4214	41.6	26.4	31.5	30.0	18.9	27.0	14.1	43.2	50.4	52.3	59.7
ND06-4217	39.8	30.3	25.0	34.1	13.6	28.5	19.9	40.1	47.4	48.3	49.1
ND06-5248	44.5	32.9	20.8	43.1	17.7	30.3	21.7	46.7	46.5	50.5	58.4
ND06-5455	42.0	20.1	29.8	38.4	20.7	30.6	26.6	43.0	49.2	50.2	44.3
ND06-5603	40.2	24.5	20.9	44.3	22.0	25.8	36.7	38.7	44.4	44.3	32.9
OAC 06-02	46.7	34.9	29.8	48.1	20.0	32.0	33.9	46.0	52.3	46.8	53.2
OAC 07-03C	46.9	23.6	31.2	46.2	20.4	35.2	29.2	50.4	53.9	49.4	52.4
OAC 07-04C	45.3	26.8	34.9	39.3	18.9	35.3	28.5	42.2	52.0	51.8	58.3
OAC 07-06C	45.4	17.8	30.4	44.1	11.3	41.9	21.7	48.0	52.2	48.5	58.2
Location Mean		27.8	28.6	39.7	19.9	31.3	22.4	44.4	48.8	47.6	50.1
C.V. (%)		16.0	14.8	12.5	32.7	15.3	9.5	8.4	5.0	4.1	6.3
L.S.D. (5%)		7.6	6.0	8.3	11.1	8.2	3.5	6.2	3.4	2.7	7.0
Row Sp. (in.)		12	10	10	30	30	14	14	16	15	7
Rows/Plot		8	8	8	4	4	4	4	4	8	5
Reps		3	3	3	3	3	3	2	3	3	2

*Data not included in mean. Moorhead yield from 1st rep only.

UNIFORM TEST 00, 2009

YIELD RANK

Strain	Yield Rank	Crookston MN	Moorhead MN	Shelly MN	Casselton ND	Northwood ND	Dundalk ONT	Elora ONT	Ottawa ONT	La	St. Mathieu
										Pocatiere Que.	de-Beloeil Que.
MN0071 (00)	13	20	14	14	7	18	10	9	18	1	18
Cavalier	18	13	19	19	5	17	11	8	12	16	13
Traill (0)	6	15	5	16	2	11	7	2	10	13	1
M00-307055	14	2	1	11	3	4	20	12	7	12	6
M03-147-1022	12	10	17	15	17	11	9	4	17	15	12
M03-158071	7	1	3	2	1	6	16	6	14	6	16
ND04-11421	18	7	4	8	17	5	19	17	11	14	19
ND04-11549	15	9	13	13	10	14	14	18	15	19	9
ND05-18121	10	8	15	17	15	9	6	14	8	17	10
ND05-18208	17	4	12	4	4	16	18	10	5	20	14
ND06-4208	11	13	11	9	12	7	8	11	19	7	17
ND06-4214	9	12	6	20	13	19	17	13	6	2	2
ND06-4217	18	6	16	18	19	15	15	19	13	10	11
ND06-5248	5	5	19	7	15	11	12	5	16	4	3
ND06-5455	8	18	9	12	8	10	5	15	9	5	15
ND06-5603	16	16	18	5	6	20	1	20	20	18	20
OAC 06-02	2	3	9	1	11	8	2	7	2	11	7
OAC 07-03C	1	17	7	3	9	3	3	1	1	8	8
OAC 07-04C	4	11	2	10	13	2	4	16	4	3	4
OAC 07-06C	3	19	8	6	20	1	12	3	3	9	5

UNIFORM TEST 00, 2009

MATURITY (date)

Strain	Mean	Crookston MN	Moorhead MN	Shelly MN	Casselton ND	Northwood ND	Dundalk ONT	Elora ONT	Ottawa ONT	La	St. Mathieu
	10 Tests									Pocatiere Que.	de-Beloeil Que.
MN0071 (00)	9/23	9/22	9/20	9/26	9/13	9/15	10/11	9/30	9/15	10/15	9/8
Cavalier	2.2	2	2	-2	0	1	6	1	5	5	2
Traill (0)	3.0	4	11	4	1	2	2	3	4	-4	3
M00-307055	7.6	1	12	11	4	11	9	8	8	8	4
M03-147-1022	0.3	-1	5	0	1	3	2	0	3	-11	1
M03-158071	3.4	-4	7	4	2	4	5	3	3	9	1
ND04-11421	4.9	3	11	8	2	7	6	5	7	-4	4
ND04-11549	0.5	-4	1	0	-1	1	0	1	2	4	1
ND05-18121	-1.4	1	2	-1	-1	-2	-3	-4	2	-9	1
ND05-18208	7.7	2	11	10	4	7	8	5	7	19	4
ND06-4208	-0.6	0	4	2	1	4	-4	-2	3	-17	3
ND06-4214	0.2	2	3	0	5	2	-7	-2	2	-6	3
ND06-4217	0.3	-1	4	1	-2	-2	-6	-1	3	4	3
ND06-5248	0.0	-1	1	0	-2	-2	-1	-2	5	0	2
ND06-5455	2.2	-5	4	7	3	3	-1	3	5	4	-1
ND06-5603	-0.2	1	0	0	1	1	-2	-2	0	0	-1
OAC 06-02	1.7	2	6	2	3	2	-3	-2	4	0	3
OAC 07-03C	3.7	8	6	2	5	3	5	-2	5	2	3
OAC 07-04C	6.4	7	10	5	8	4	8	12	7	0	3
OAC 07-06C	3.6	8	10	2	5	7	-1	-2	4	0	3
Date Planted	5/25	5/14	6/1	6/3	5/24	5/29	5/22	5/15	5/21	6/3	5/26
Days to Mature	121	131	111	115	112	109	142	138	117	134	105

UNIFORM TEST 00, 2009

LODGING (score)

Strain	Mean	Crookston MN	Moorhead MN	Shelly MN	Casselton ND	Northwood ND	Dundalk ONT	Elora ONT	Ottawa ONT	La	St. Mathieu
	10 Tests									Pocatiere Que.	de-Beloeil Que.
MN0071 (00)	1.3	1.0	1.0	1.0	1.0	1.0	1.0	1.7	1.8	2.0	1.0
Cavalier	1.3	1.0	1.0	1.0	1.0	1.0	1.2	1.7	2.6	1.7	1.0
Traill (0)	1.4	1.0	1.0	1.0	1.0	1.0	1.5	1.3	2.6	2.3	1.0
M00-307055	1.5	1.0	1.0	1.0	1.0	1.0	1.7	1.3	2.8	2.7	1.0
M03-147-1022	1.3	1.0	1.0	1.0	1.0	1.0	1.3	1.3	2.7	2.0	1.0
M03-158071	1.4	1.0	1.0	1.0	1.0	1.0	1.0	1.3	2.5	2.7	1.0
ND04-11421	1.1	1.0	1.0	1.0	1.0	1.0	1.5	1.0	1.2	1.0	1.0
ND04-11549	1.4	1.0	1.0	1.0	1.0	1.0	1.3	1.7	2.8	2.3	1.0
ND05-18121	1.3	1.0	1.0	1.0	1.0	1.0	1.5	1.2	2.4	2.3	1.0
ND05-18208	1.6	1.0	1.0	1.0	1.0	1.0	1.5	1.2	2.6	4.3	1.0
ND06-4208	1.2	1.0	1.0	1.0	1.0	1.0	1.2	1.0	1.9	2.0	1.0
ND06-4214	1.3	1.0	1.0	1.0	1.0	1.0	1.2	1.0	2.3	2.0	1.0
ND06-4217	1.1	1.0	1.0	1.0	1.0	1.0	1.2	1.0	1.1	1.3	1.0
ND06-5248	1.3	1.0	1.0	1.0	1.0	1.0	1.3	1.2	2.5	2.3	1.0
ND06-5455	1.1	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.5	1.0	1.0
ND06-5603	1.3	1.0	1.0	1.0	1.0	1.0	1.5	1.3	2.3	1.7	1.0
OAC 06-02	1.2	1.0	1.0	1.0	1.0	1.0	1.2	1.2	1.5	2.0	1.0
OAC 07-03C	1.3	1.0	1.0	1.0	1.0	1.0	1.3	1.2	2.0	2.0	1.0
OAC 07-04C	1.3	1.0	1.0	1.0	1.0	1.0	1.2	1.3	2.2	2.0	1.0
OAC 07-06C	1.5	1.0	1.0	1.0	1.0	1.0	1.2	1.7	2.9	3.3	1.0

UNIFORM TEST 00, 2009

PLANT HEIGHT (inches)

Strain	Mean	Crookston MN	Moorhead MN	Shelly MN	Casselton ND	Northwood ND	Dundalk ONT	Elora ONT	Ottawa ONT	La	St. Mathieu
	9 Tests									Pocatiere Que.	de-Beloeil Que.
MN0071 (00)	26	14	23	24	20		34	34	33	33	21
Cavalier	25	12	19	19	20		34	34	35	31	23
Traill (0)	26	14	21	24	19		36	32	33	31	26
M00-307055	26	15	23	25	20		33	33	34	30	23
M03-147-1022	25	14	22	23	15		33	31	35	31	22
M03-158071	28	17	25	27	24		34	34	34	34	22
ND04-11421	24	14	23	24	18		30	30	31	28	21
ND04-11549	26	15	23	22	18		31	33	35	31	23
ND05-18121	23	13	21	20	14		31	31	31	27	21
ND05-18208	27	15	23	27	20		34	34	35	32	23
ND06-4208	22	13	17	19	15		27	29	31	27	18
ND06-4214	24	13	20	20	15		28	31	33	30	25
ND06-4217	23	14	19	20	14		27	31	31	28	21
ND06-5248	24	14	18	23	16		30	32	31	30	22
ND06-5455	22	11	19	22	17		29	29	30	28	17
ND06-5603	25	14	23	25	18		36	31	32	29	16
OAC 06-02	25	15	24	24	19		30	31	33	28	23
OAC 07-03C	26	15	23	24	18		32	34	33	31	24
OAC 07-04C	25	11	24	25	17		31	33	32	33	23
OAC 07-06C	24	11	21	23	16		28	32	32	30	23

UNIFORM TEST 00, 2009

SEED QUALITY (score)

Strain	Mean	Crookston MN	Moorhead MN	Shelly MN	Casselton ND	Northwood ND	Dundalk ONT	Elora ONT	Ottawa ONT	La	St. Mathieu
	9 Tests									Pocatiere Que.	de-Beloeil Que.
MN0071 (00)	1.7	2.0	1.5	1.5	1.0	1.0	3.5	1.5	1.0		2.0
Cavalier	1.7	2.0	1.5	1.5	1.0	1.0	4.0	1.5	1.0		2.0
Traill (0)	1.6	1.5	1.0	1.5	1.0	1.0	4.5	2.0	1.0		1.0
M00-307055	1.7	1.5	1.0	1.5	1.0	1.0	4.5	1.5	1.0		2.0
M03-147-1022	1.8	2.5	1.5	1.5	1.0	1.0	3.5	2.0	1.6		2.0
M03-158071	1.8	1.5	1.5	1.5	1.0	1.0	4.0	2.0	1.0		2.5
ND04-11421	1.9	1.5	2.5	2.5	1.0	1.0	4.0	2.0	1.0		1.5
ND04-11549	1.9	1.5	2.5	1.5	1.0	1.0	3.5	2.0	1.3		3.0
ND05-18121	1.7	2.0	2.0	2.0	1.0	1.0	2.5	1.5	1.0		2.0
ND05-18208	1.5	1.5	1.5	1.0	1.0	1.0	3.0	1.5	1.0		2.0
ND06-4208	1.5	1.5	2.0	1.5	1.0	1.0	3.0	1.5	1.0		1.0
ND06-4214	1.9	1.5	2.0	3.0	1.0	1.0	3.0	2.0	2.0		1.5
ND06-4217	1.8	1.5	1.5	3.0	1.0	1.0	3.0	2.0	1.0		2.5
ND06-5248	1.8	1.5	2.0	2.0	1.0	1.0	3.0	2.5	1.0		2.0
ND06-5455	2.1	2.0	2.5	1.5	4.0	1.0	4.0	1.5	1.0		1.5
ND06-5603	1.6	1.5	1.5	1.5	1.0	1.0	2.5	2.0	1.0		2.5
OAC 06-02	1.8	1.5	1.0	2.0	4.0	1.0	2.5	1.5	1.0		2.0
OAC 07-03C	1.8	2.5	2.0	2.0	1.0	1.0	4.0	1.5	1.0		1.5
OAC 07-04C	2.4	3.0	3.0	2.0	3.0	2.0	3.5	2.0	1.0		2.0
OAC 07-06C	1.4	1.5	1.0	1.5	1.0	1.0	2.5	1.5	1.0		2.0

UNIFORM TEST 00, 2009

SEED SIZE (g/100)

Strain	Mean	Crookston MN	Moorhead MN	Shelly MN	Casselton ND	Northwood ND	Dundalk ONT	Elora ONT	Ottawa ONT	La	St. Mathieu
	10 Tests									Pocatiere Que.	de-Beloeil Que.
MN0071 (00)	15.1	13.8	13.5	16.7	15.9	15.5	13.5	15.7	18.2	13.0	15.2
Cavalier	17.9	16.4	16.7	18.3	20.1	17.2	16.8	18.3	20.2	16.2	18.7
Traill (0)	16.2	13.0	16.0	17.7	19.3	15.5	14.6	16.3	19.3	13.6	16.6
M00-307055	12.5	10.6	12.3	11.7	11.3	10.4	16.2	13.7	16.1	10.7	12.4
M03-147-1022	17.0	14.6	17.0	18.1	19.6	17.0	14.8	17.2	19.6	14.1	17.7
M03-158071	13.3	12.3	14.2	13.8	13.5	12.5	13.2	13.1	15.6	11.8	13.3
ND04-11421	16.1	13.6	16.5	17.6	19.1	14.7	15.1	15.2	19.0	14.5	15.5
ND04-11549	13.9	11.3	12.3	14.3	13.7	14.5	13.5	16.1	17.8	11.6	13.7
ND05-18121	17.0	13.9	15.4	17.2	18.6	17.3	18.5	17.6	20.1	14.0	17.4
ND05-18208	12.1	11.7	12.3	12.8	11.6	10.0	13.4	11.6	13.5	11.3	12.4
ND06-4208	15.0	13.3	13.6	16.7	16.7	14.2	13.6	16.0	18.0	13.4	14.7
ND06-4214	14.7	13.0	14.1	15.6	14.7	15.3	13.5	14.3	18.0	13.4	14.6
ND06-4217	16.7	13.9	16.5	17.1	18.6	17.7	14.8	16.3	19.5	15.6	17.0
ND06-5248	16.6	14.3	15.8	18.2	16.6	17.5	16.3	17.5	19.2	14.0	17.0
ND06-5455	14.8	11.6	14.3	16.1	15.5	15.0	15.0	14.9	17.4	13.8	14.3
ND06-5603	12.8	10.1	11.5	13.6	15.2	12.2	13.0	12.0	15.3	13.1	12.3
OAC 06-02	14.9	12.1	14.7	16.3	16.5	13.8	14.6	15.8	17.5	12.4	15.2
OAC 07-03C	15.9	13.4	15.9	17.1	18.3	14.9	16.7	15.7	18.2	13.2	15.4
OAC 07-04C	17.4	14.7	18.7	18.1	17.4	18.0	16.7	17.2	20.2	14.8	17.9
OAC 07-06C	15.7	13.8	16.3	16.5	16.9	15.5	15.9	14.5	19.1	13.5	15.2

UNIFORM TEST 00, 2009

PROTEIN (%)

Strain	Mean 9 Tests	Crookston MN	Moorehead MN	Shelly MN	Casselton ND	Northwood ND	Ottawa ONT	Dundalk ONT	Elora ONT	St. Mathieu de-Beloeil Que.
MN0071 (00)	34.8	37.2	35.7	33.8	34.6	33.7	35.6	32.0	36.2	34.4
Cavalier	35.1	36.0	35.7	33.7	33.5	33.3	36.5	34.8	36.4	35.9
Traill (0)	36.1	36.5	35.2	36.0	35.3	33.7	37.9	35.2	38.4	36.5
M00-307055	34.8	34.5	33.8	34.4	33.2	32.4	36.7	35.7	37.1	35.5
M03-147-1022	36.7	37.8	35.1	36.3	36.1	34.0	37.6	36.8	38.5	38.0
M03-158071	36.3	36.4	35.3	35.8	35.2	35.2	37.4	36.8	38.1	37.0
ND04-11421	36.8	37.5	35.9	37.0	35.8	34.6	38.0	37.1	38.5	37.1
ND04-11549	33.9	34.9	34.1	33.3	32.5	33.4	35.8	31.1	35.7	34.4
ND05-18121	35.1	35.6	34.2	34.9	34.4	33.1	36.5	34.3	37.3	35.8
ND05-18208	34.6	34.8	33.6	34.4	33.3	34.8	35.0	35.2	35.8	34.0
ND06-4208	35.2	36.2	33.6	34.4	34.9	34.4	36.9	33.0	37.7	35.7
ND06-4214	34.9	35.3	34.5	34.4	34.3	34.5	36.1	33.4	36.8	34.7
ND06-4217	34.4	34.7	33.3	33.3	34.2	34.1	36.3	34.3	35.9	33.8
ND06-5248	35.5	35.9	35.1	33.5	34.1	33.9	37.0	36.0	38.0	35.8
ND06-5455	34.7	35.2	34.0	34.5	33.6	33.5	35.3	35.1	36.2	35.1
ND06-5603	34.7	35.0	33.7	34.0	34.8	33.6	36.0	33.8	36.5	35.0
OAC 06-02	34.1	35.1	32.9	33.7	33.1	31.1	35.3	33.7	37.2	35.1
OAC 07-03C	35.7	36.0	34.5	35.1	35.3	33.2	37.2	37.3	37.1	35.8
OAC 07-04C	36.7	36.6	35.5	35.4	35.5	35.2	37.9	38.1	39.2	37.0
OAC 07-06C	35.5	36.2	33.7	34.4	34.5	34.6	37.0	35.5	38.0	35.3

* Protein and Oil values converted to 13% moisture basis.

UNIFORM TEST 00, 2009

OIL (%)

Strain	Mean 9 Tests	Crookston MN	Moorehead MN	Shelly MN	Casselton ND	Northwood ND	Ottawa ONT	Dundalk ONT	Elora ONT	St. Mathieu de-Beloeil Que.
MN0071 (00)	17.6	16.6	17.9	17.9	18.4	17.8	18.8	16.4	16.5	17.9
Cavalier	16.9	17.1	18.3	17.3	17.2	17.7	17.3	15.1	15.7	16.7
Traill (0)	16.9	17.8	17.7	17.5	16.7	18.0	17.2	14.4	15.6	17.0
M00-307055	17.2	18.1	18.3	17.2	17.7	18.1	17.8	15.1	15.5	17.3
M03-147-1022	17.2	16.9	18.0	17.4	17.6	18.2	17.7	15.5	16.3	16.9
M03-158071	16.4	16.4	17.0	16.5	16.5	16.2	17.3	15.4	15.8	16.6
ND04-11421	16.4	17.4	17.6	15.7	16.5	17.8	16.6	14.8	15.4	16.2
ND04-11549	17.5	18.7	18.1	17.6	18.1	17.9	18.1	15.7	15.7	17.8
ND05-18121	17.3	17.7	17.9	17.2	17.4	18.3	17.6	16.2	16.3	17.0
ND05-18208	17.6	18.0	18.7	17.5	17.9	17.8	18.6	15.5	16.3	17.9
ND06-4208	17.3	17.9	18.3	17.2	17.4	17.2	18.0	16.5	15.8	17.4
ND06-4214	17.1	16.9	17.5	16.5	17.8	16.6	18.0	17.1	16.6	17.3
ND06-4217	17.5	17.4	17.7	17.3	17.2	17.6	18.1	16.9	17.2	18.4
ND06-5248	17.0	17.7	17.2	16.7	17.8	17.5	17.6	15.7	15.8	17.0
ND06-5455	17.3	17.8	17.9	17.0	17.9	17.5	18.2	15.5	15.8	17.8
ND06-5603	17.7	18.1	19.2	17.7	17.6	18.1	18.4	15.7	16.3	18.0
OAC 06-02	17.7	17.8	18.2	17.1	18.0	18.2	18.5	16.6	17.2	17.5
OAC 07-03C	17.2	17.9	18.1	17.2	16.7	18.4	17.3	15.6	16.4	17.0
OAC 07-04C	16.5	16.9	17.3	16.4	16.2	17.2	17.1	15.6	15.5	16.7
OAC 07-06C	17.4	18.9	18.2	16.7	17.0	17.2	18.1	16.4	16.6	17.6

Uniform Test 0, 2009

Ent.	Strain	Parentage	Seed Source	Previous Testing	Gen. Comp.	Unique Traits
1.	Sheyenne (O)	Pioneer 9071 x A96-492041	Helms	3	F4	Rps1-c
2.	MN1410 (I)	MN0302 x Archer	Orf	2	F5	Rps1k, BSR
3.	Surge (L)	A86-204022 x Kato	Green	10	F5	
4.	Traill (E)	M82-996 x Sigco KG20	Helms	13	F5	
5.	MN0606CN (SCN)	MN0901 x MN0902CN	Orf	1	F5	SCN
6.	M01-213045	OAC98-01 x Lambert	Orf	1	F5	
7.	M02-314095	MN0302 X M97-129094	Orf	PT0	F5	
8.	M02-328023	MN0304 X A00-712012	Orf	PT0	F5	
9.	M02-328139	MN0304 X A00-712012	Orf	PT0	F5	
10.	M02-495076	LG98-1605 X MN0302	Orf	PT0	F5	DIVERSITY
11.	ND04-11674	M94-161045 x (Barnes x IA1009)	Helms	UT00	F4	Rps6
12.	ND05-17644	MN0302 x (ND-95-1564 x MN0201)	Helms	PT0	F4	Rps1-k
13.	ND05-17656	MN0302 x (ND95-1564 x MN0201)	Helms	UT00	F4	Rps1-k
14.	SD03-2154	Surge x A96-492041	Scott	2	F5	Rps1-k
15.	SD04CV-611	Surge x A96-591033	Scott	1	F4	
16.	SD05-335	M95-327061 x Surge	Scott	PT0	F5	
17.	SD05-383	M95-327061 x Surge	Scott	PT0	F5	
18.	OAC 06-32	RCAT 2006 x OAC Wallace	Rajcan	PT0	F5	

UNIFORM TEST 0, 2009

DESCRIPTIVE AND DISEASE DATA

Strain	Descriptive Code	Chlorosis		PR	
		Score	Score	Lafayette	
		Wilkin County MN	Ashland KS	Race 4	Race 7
Sheyenne (0)	PGBDYI	2.5	1.0	S	R
MN1410 (I)	WGBDYBfI	3.0	1.0	S*	S*
Surge (L)	PGBDYIbI	3.0	1.0	S	S
Traill (E)	PTBIYI	3.0	1.0	S	S
MN0606CN (SCN)	WTTDYI	3.0	1.0	S	S
M01-213045	WGBDYBfI	3.5	1.0	S	S
M02-314095	PTTDYBII	3.0	1.0	R*	R*
M02-328023	PTTDYBfI	2.5	1.0	R*	R*
M02-328139	PGBDYBfI	4.0	1.0	R*	R*
M02-495076	WTTDYI	3.0	1.0	R*	R*
ND04-11674	WGBDYI	3.0	1.0	R	S
ND05-17644	PGTDYBfI	2.5	1.0	R	R
ND05-17656	PT+GBDYBfI	2.5	1.0	R	S
SD03-2154	PGBDYGI	3.0	1.0	R	R
SD04CV-611	PTBIYBII	3.0	1.0	S	S
SD05-335	PGTDYBfI	3.0	1.0	S	S
SD05-383	PGBDYIbI	4.5	1.0	S	S
OAC 06-32	PTTDYBfI	3.0	1.0	R*	S

PR: * = *P. sojae* inoc. Reaction NOT compatible with breeder's information about *Rps* Trait

UNIFORM TEST 0, 2009

REGIONAL SUMMARY

No. of Tests Strain	Yield 9 bu/a	Rank 9 No.	Maturity 9 Date	Lodging 9 Score	Plant Height 8 In.	Seed Quality 7 Score	Seed Size 7 g/100	<u>Composition</u>	
								Protein 7 %	Oil 7 %
Sheyenne (0)	50.0	10	9/27	1.1	30	1.9	15.6	34.4	17.2
MN1410 (I)	56.7	1	6.6	1.5	35	2.2	16.9	35.1	17.5
Surge (L)	53.2	6	-0.3	1.5	30	1.9	19.1	36.5	16.8
Trall (E)	42.0	18	-9.0	1.4	28	1.7	17.0	37.0	16.7
MN0606CN (SCN)	49.7	11	-1.7	1.6	31	1.6	15.1	35.5	17.1
M01-213045	53.5	5	-4.3	1.4	33	1.6	13.3	33.4	17.6
M02-314095	48.5	13	-2.9	1.7	34	1.5	16.9	35.7	16.8
M02-328023	45.0	15	-4.7	1.2	28	1.4	16.4	35.0	17.6
M02-328139	48.0	14	0.9	1.3	29	2.3	17.8	35.7	17.2
M02-495076	52.4	7	2.1	1.1	29	1.6	16.4	35.2	16.8
ND04-11674	44.6	16	-4.0	1.3	30	1.9	15.7	34.9	17.3
ND05-17644	49.1	12	-1.3	1.4	32	1.4	13.3	35.7	16.7
ND05-17656	42.4	17	-5.9	1.3	31	1.5	14.8	36.7	16.6
SD03-2154	54.3	3	-2.2	1.3	31	1.6	16.8	35.2	17.4
SD04CV-611	54.8	2	3.9	1.4	32	1.4	21.9	36.5	16.9
SD05-335	51.0	9	3.4	1.7	32	1.8	19.1	36.0	17.0
SD05-383	52.1	8	1.4	1.3	30	1.4	17.9	35.2	17.1
OAC 06-32	54.3	3	-2.1	1.3	30	1.9	17.8	34.3	18.1

126.9 Days After Planting

UNIFORM TEST 0, 2009

2008-2009 2-YEAR MEAN

No. of Tests Strain	Yield 16 bu/a	Rank 16 No.	Maturity 17 Date	Lodging 17 Score	Plant Height 15 In.	Seed Quality 14 Score	Seed Size 14 g/100	<u>Composition</u>	
								Protein 13 %	Oil 13 %
Sheyenne (0)	52.8	6	9/23	1.3	31	1.8	15.4	34.5	17.5
MN1410 (I)	58.2	1	7.1	1.9	36	1.8	16.6	35.3	17.7
Surge (L)	53.5	5	-0.4	1.7	32	1.7	19.1	36.7	17.0
Trall (E)	42.8	8	-6.7	1.3	29	1.7	16.9	37.1	16.7
MN0606CN (SCN)	49.2	7	-1.1	1.5	32	1.6	14.9	35.7	17.2
M01-213045	53.9	4	-3.0	1.5	34	1.6	13.1	34.2	17.6
SD03-2154	55.4	2	-1.2	1.6	32	1.6	17.2	35.5	17.4
SD04CV-611	54.2	3	3.7	1.6	32	1.5	20.8	36.7	17.0

124.8 Days After Planting

UNIFORM TEST 0, 2009

YIELD (bu/a)

Strain	Mean	Morris MN	Rosemount MN	Casselton ND	Ottawa ONT	St. Pauls ONT	Woodstock ONT	St. Mathieu		
	9 Tests							de-Beloeil Que.	Aurora SD	Bristol SD
Shyenne (0)	50.0	25.1	42.5	48.8	61.7	46.9	51.1	72.8	48.6	52.3
MN1410 (I)	56.7	35.0	54.5	52.2	61.5	59.2	56.5	79.0	55.3	57.4
Surge (L)	53.2	38.9	54.1	46.6	54.0	49.6	57.3	70.4	52.7	55.2
Trail (E)	42.0	21.6	40.0	41.4	48.8	41.0	46.8	58.2	42.6	38.0
MN0606CN (SCN)	49.7	26.5	52.4	47.1	56.8	48.5	50.2	64.3	51.0	50.3
M01-213045	53.5	38.2	58.1	51.7	55.4	52.7	57.4	67.0	48.1	52.5
M02-314095	48.5	30.9	50.8	38.9	46.6	51.0	50.8	72.3	52.1	43.4
M02-328023	45.0	28.2	33.5	45.1	56.2	44.9	46.9	58.1	51.4	41.1
M02-328139	48.0	32.2	49.3	46.2	52.0	49.1	53.6	63.4	44.7	42.0
M02-495076	52.4	31.4	55.1	51.1	51.2	53.4	55.5	69.0	55.4	49.5
ND04-11674	44.6	27.7	43.4	41.8	51.3	47.7	48.9	48.1	47.7	44.8
ND05-17644	49.1	35.8	47.7	45.4	52.9	52.7	54.6	59.8	47.0	46.0
ND05-17656	42.4	25.3	34.6	41.3	52.2	43.0	43.9	56.5	48.0	36.6
SD03-2154	54.3	38.0	54.1	51.8	60.5	53.7	53.9	67.6	51.8	56.9
SD04CV-611	54.8	38.1	52.6	48.5	56.6	54.7	55.9	75.1	54.9	56.8
SD05-335	51.0	29.3	47.6	49.4	51.5	52.2	53.1	68.2	51.6	55.8
SD05-383	52.1	28.3	46.1	50.1	53.2	52.6	57.2	74.1	53.2	54.5
OAC 06-32	54.3	33.4	48.3	46.9	60.8	61.4	59.0	71.9	53.7	53.4
Location Mean		31.3	48.0	46.9	54.6	50.8	52.9	66.4	50.5	49.2
C.V. (%)		6.8	12.3	7.5	4.8	8.7	11.8	5.8	5.8	10.9
L.S.D. (5%)		8.4	6.9	5.7	3.7	7.4	11.8	8.2	4.9	8.9
Row Sp. (In.)		10	10	30	16	14	14	7	30	30
Rows/Plot		10	10	4	4	4	4	5	4	4
Reps		3	3	3	3	3	3	2	3	3

*Data not included in mean.

UNIFORM TEST 0, 2009

YIELD RANK

Strain	Yield Rank	Morris MN	Rosemount MN	Casselton ND	Ottawa ONT	St. Pauls ONT	Woodstock ONT	St. Mathieu		
								de-Beloeil Que.	Aurora SD	Bristol SD
Sheyenne (0)	10	17	15	7	1	15	12	4	12	9
MN1410 (I)	1	6	3	1	2	2	5	1	2	1
Surge (L)	6	1	4	11	9	11	3	7	6	5
Trail (E)	18	18	16	16	17	18	17	15	18	17
MN0606CN (SCN)	11	15	7	9	5	13	14	12	11	10
M01-213045	5	2	1	3	8	6	2	11	13	8
M02-314095	13	10	8	18	18	10	13	5	7	14
M02-328023	15	13	18	14	7	16	16	16	10	16
M02-328139	14	8	9	12	13	12	10	13	17	15
M02-495076	7	9	2	4	16	5	7	8	1	11
ND04-11674	16	14	14	15	15	14	15	18	15	13
ND05-17644	12	5	11	13	11	6	8	14	16	12
ND05-17656	17	16	17	17	12	17	18	17	14	18
SD03-2154	3	4	4	2	4	4	9	10	8	2
SD04CV-611	2	3	6	8	6	3	6	2	3	3
SD05-335	9	11	12	6	14	9	11	9	9	4
SD05-383	8	12	13	5	10	8	4	3	5	6
OAC 06-32	3	7	10	10	3	1	1	6	4	7

UNIFORM TEST 0, 2009

MATURITY (date)

Strain	Mean	Morris MN	Rosemount MN	Casselton ND	Ottawa ONT	St. Pauls ONT	Woodstock ONT	St. Mathieu		
	9 Tests							de-Beloeil Que.	Aurora SD	Bristol SD
Sheyenne (0)	9/27	9/26	9/17	9/29	9/30	10/11	10/17	9/15	9/11	10/2
MN1410 (I)	6.6	9	7	6	4	4	1	10	10	8
Surge (L)	-0.3	3	1	1	-3	-4	-4	3	0	0
Trail (E)	-9.0	-4	-2	-9	-10	-17	-16	-4	-3	-16
MN0606CN (SCN)	-1.7	1	-1	-2	-1	-5	-6	1	4	-6
M01-213045	-4.3	1	-1	-1	-6	-11	-9	-1	0	-11
M02-314095	-2.9	-3	0	0	-2	-7	-11	1	2	-6
M02-328023	-4.7	-3	-2	-2	-5	-9	-12	-2	2	-9
M02-328139	0.9	2	-1	2	-5	-1	2	1	0	8
M02-495076	2.1	8	5	3	-1	0	-3	3	4	0
ND04-11674	-4.0	2	0	-3	-5	-10	-6	-4	4	-14
ND05-17644	-1.3	-4	-3	2	-4	1	4	0	2	-10
ND05-17656	-5.9	-4	-3	-6	-7	-9	-14	-2	0	-8
SD03-2154	-2.2	1	0	0	-2	-8	-10	2	4	-7
SD04CV-611	3.9	9	7	4	1	2	-7	5	9	5
SD05-335	3.4	8	2	3	-2	1	-3	4	13	5
SD05-383	1.4	6	7	2	0	-6	-3	4	3	0
OAC 06-32	-2.1	1	0	0	-4	-5	-13	2	0	0
Date Planted	5/23	5/15	5/15	5/24	5/21	6/4	6/16	5/26	5/15	5/15
Days to Mature	127	134	125	128	132	129	123	112	119	140

UNIFORM TEST 0, 2009

LODGING (score)

Strain	Mean	Morris MN	Rosemount MN	Casselton ND	Ottawa ONT	St. Pauls ONT	Woodstock ONT	St. Mathieu	Aurora SD	Bristol SD
	9 Tests							de-Beloeil Que.		
Sheyenne (0)	1.1	1.0	1.0	1.0	2.2	1.0	1.0	1.1	1.0	1.0
MN1410 (I)	1.5	1.0	1.0	1.0	3.4	1.3	1.2	1.0	2.0	2.0
Surge (L)	1.5	1.0	1.0	1.0	3.5	1.0	1.0	2.0	2.0	1.0
Trail (E)	1.4	1.0	1.0	1.0	3.1	1.3	1.2	1.0	2.0	1.0
MN0606CN (SCN)	1.6	1.0	1.0	1.0	3.8	1.2	1.3	1.0	2.0	2.0
M01-213045	1.4	1.0	1.0	1.0	3.5	1.5	1.5	1.0	1.0	1.0
M02-314095	1.7	1.0	1.0	1.0	3.4	1.2	1.3	1.7	3.0	2.0
M02-328023	1.2	1.0	1.0	1.0	2.0	1.0	1.0	1.1	1.0	2.0
M02-328139	1.3	1.0	1.0	1.0	2.4	1.0	1.2	1.0	2.0	1.0
M02-495076	1.1	1.0	1.0	1.0	2.3	1.0	1.0	1.0	1.0	1.0
ND04-11674	1.3	1.0	1.0	1.0	2.3	1.2	1.0	1.0	1.0	2.0
ND05-17644	1.4	1.0	1.0	1.0	2.6	1.2	1.2	1.0	2.0	2.0
ND05-17656	1.3	1.0	1.0	1.0	2.0	1.0	1.0	1.0	2.0	2.0
SD03-2154	1.3	1.0	1.0	1.0	3.2	1.2	1.2	1.3	1.0	1.0
SD04CV-611	1.4	1.0	1.0	1.0	3.0	1.0	1.3	1.0	2.0	1.0
SD05-335	1.7	1.0	1.0	1.0	3.9	1.3	1.5	1.0	3.0	2.0
SD05-383	1.3	1.0	1.0	1.0	3.6	1.2	1.0	1.0	1.0	1.0
OAC 06-32	1.3	1.0	1.0	1.0	2.3	1.0	1.2	1.0	2.0	1.0

UNIFORM TEST 0, 2009

PLANT HEIGHT (inches)

Strain	Mean	Morris MN	Rosemount MN	Casselton ND	Ottawa ONT	St. Pauls ONT	Woodstock ONT	St. Mathieu	Aurora SD	Bristol SD
	8 Tests							de-Beloeil Que.		
Sheyenne (0)	30	21		32	36	29	30	31	35	26
MN1410 (I)	35	25		35	41	36	35	34	40	33
Surge (L)	30	21		29	35	30	32	29	36	27
Trall (E)	28	19		30	34	30	29	28	30	26
MN0606CN (SCN)	31	23		31	35	35	31	31	33	32
M01-213045	33	24		34	38	34	35	30	39	33
M02-314095	34	26		34	38	35	35	31	38	34
M02-328023	28	22		28	33	31	27	28	30	27
M02-328139	29	24		28	34	31	31	27	35	26
M02-495076	29	23		31	33	29	29	30	33	26
ND04-11674	30	25		29	35	31	32	26	31	28
ND05-17644	32	25		33	37	35	35	32	34	28
ND05-17656	31	21		32	37	32	34	28	35	30
SD03-2154	31	24		29	35	33	32	30	35	29
SD04CV-611	32	25		33	36	34	33	29	37	28
SD05-335	32	24		30	35	34	34	31	37	33
SD05-383	30	21		31	34	32	30	30	34	28
OAC 06-32	30	23		29	35	32	31	31	34	28

UNIFORM TEST 0, 2009

SEED QUALITY (score)

Strain	Mean	Morris MN	Rosemount MN	Casselton ND	Ottawa ONT	St. Pauls ONT	Woodstock ONT	St. Mathieu		
	7 Tests							de-Beloeil Que.	Aurora SD	Bristol SD
Sheyenne (0)	1.9	2.0	2.0	2.0	1.0			2.1	2.0	2.0
MN1410 (I)	2.2	2.0	2.0	3.0	1.0			2.1	2.0	3.0
Surge (L)	1.9	2.0	1.5	3.0	1.0			1.6	2.0	2.0
Trail (E)	1.7	1.5	2.0	1.0	1.0			1.3	3.0	2.0
MN0606CN (SCN)	1.6	2.0	1.5	1.0	1.3			1.2	2.0	2.0
M01-213045	1.6	1.5	1.5	1.0	1.0			1.0	3.0	2.0
M02-314095	1.5	2.0	1.5	1.0	1.0			1.1	2.0	2.0
M02-328023	1.4	1.5	1.5	1.0	1.0			1.0	2.0	2.0
M02-328139	2.3	2.5	1.5	4.0	1.3			1.1	3.0	3.0
M02-495076	1.6	1.5	1.5	1.0	1.3			1.0	3.0	2.0
ND04-11674	1.9	2.0	2.0	2.0	1.3			2.1	2.0	2.0
ND05-17644	1.4	1.5	1.5	1.0	1.0			1.0	2.0	2.0
ND05-17656	1.5	2.0	1.5	1.0	1.0			1.0	2.0	2.0
SD03-2154	1.6	1.5	1.5	2.0	1.0			1.1	2.0	2.0
SD04CV-611	1.4	1.5	1.5	1.0	1.0			1.0	2.0	2.0
SD05-335	1.8	1.5	1.3	3.0	1.0			1.6	2.0	2.0
SD05-383	1.4	1.5	1.5	1.0	1.0			1.1	2.0	2.0
OAC 06-32	1.9	1.5	1.5	3.0	1.0			2.2	2.0	2.0

UNIFORM TEST 0, 2009

SEED SIZE (g/100)

Strain	Mean							St. Mathieu		
	7 Tests	Morris MN	Rosemount MN	Casselton ND	Ottawa ONT	St. Pauls ONT	Woodstock ONT	de-Beloeil Que.	Aurora SD	Bristol SD
Sheyenne (0)	15.6	13.9	16.7	16.3	19.0			15.0	15.4	13.2
MN1410 (I)	16.9	15.5	17.4	19.2	19.2			16.0	17.3	13.7
Surge (L)	19.1	18.2	18.7	21.2	21.0			18.4	20.3	16.2
Trail (E)	17.0	16.0	17.8	17.8	19.8			15.6	17.1	15.1
MN0606CN (SCN)	15.1	12.7	16.6	16.2	18.0			13.8	15.6	12.9
M01-213045	13.3	13.9	13.3	14.5	14.9			12.2	12.3	11.7
M02-314095	16.9	14.7	16.8	18.4	19.8			15.9	16.8	15.6
M02-328023	16.4	15.5	14.2	17.7	19.6			15.0	17.0	15.7
M02-328139	17.8	17.6	17.9	19.5	19.0			16.3	18.4	15.7
M02-495076	16.4	14.2	17.1	18.5	18.6			16.1	15.5	15.0
ND04-11674	15.7	14.7	16.5	16.6	17.0			14.8	15.3	15.1
ND05-17644	13.3	13.0	13.6	16.3	15.2			12.5	11.5	10.9
ND05-17656	14.8	13.3	15.4	15.7	16.7			15.4	13.5	13.5
SD03-2154	16.8	14.9	16.8	18.9	19.1			16.3	16.4	15.5
SD04CV-611	21.9	18.4	25.1	24.1	23.8			20.4	22.5	18.9
SD05-335	19.1	17.3	18.8	21.4	20.9			18.1	20.7	16.7
SD05-383	17.9	16.8	17.8	19.0	20.3			17.0	17.6	16.7
OAC 06-32	17.8	16.8	15.2	20.2	20.2			16.7	19.1	16.5

UNIFORM TEST 0, 2009

PROTEIN (%)

Strain	Mean 7 Tests	Morris MN	Rosemount MN	Casselton ND	Ottawa ONT	St. Pauls ONT	Woodstock ONT	St. Mathieu de-Beloeil Que.
Sheyenne (0)	34.4	34.4	34.1	33.0	35.6	35.0	35.8	33.1
MN1410 (I)	35.1	34.4	34.6	35.2	36.1	35.8	36.2	33.5
Surge (L)	36.5	34.6	35.0	35.6	38.0	37.1	38.5	36.4
Trail (E)	37.0	37.2	36.6	34.9	38.4	37.1	37.7	36.9
MN0606CN (SCN)	35.5	34.5	36.0	33.9	36.3	36.0	36.7	35.1
M01-213045	33.4	33.4	32.3	32.5	34.1	33.7	34.6	33.5
M02-314095	35.7	34.6	34.4	34.9	37.1	36.8	37.7	34.6
M02-328023	35.0	34.8	34.8	33.4	36.1	35.1	36.3	34.5
M02-328139	35.7	35.3	35.5	34.5	36.3	35.9	36.9	35.4
M02-495076	35.2	33.9	34.8	34.8	36.5	35.2	35.9	35.1
ND04-11674	34.9	35.1	35.2	33.0	35.8	34.9	35.7	34.7
ND05-17644	35.7	35.1	34.5	35.9	37.0	35.7	35.9	35.8
ND05-17656	36.7	36.9	36.7	35.3	37.8	36.7	37.1	36.6
SD03-2154	35.2	34.4	35.3	34.6	36.1	35.1	36.0	34.9
SD04CV-611	36.5	35.6	36.5	35.1	37.5	36.8	37.5	36.5
SD05-335	36.0	35.3		35.2	36.9	36.1	36.6	35.7
SD05-383	35.2	34.7	34.0	34.2	37.0	35.6	36.0	35.0
OAC 06-32	34.3	34.7	34.4	33.1	34.6	34.7	35.3	33.0

* Protein and Oil values converted to 13% moisture basis.

UNIFORM TEST 0, 2009

OIL (%)

Strain	Mean 7 Tests	Morris MN	Rosemount MN	Casselton ND	Ottawa ONT	St. Pauls ONT	Woodstock ONT	St. Mathieu de-Beloeil Que.
Sheyenne (0)	17.2	17.6	17.5	17.5	17.5	16.3	16.4	17.7
MN1410 (I)	17.5	18.2	18.0	17.4	17.7	16.6	16.4	18.1
Surge (L)	16.8	17.5	17.5	16.3	17.5	16.1	15.4	17.2
Trail (E)	16.7	17.6	16.3	17.3	17.0	16.2	15.8	16.4
MN0606CN (SCN)	17.1	16.7	18.2	17.2	17.4	16.7	16.3	17.1
M01-213045	17.6	17.8	18.1	18.0	18.4	17.2	16.4	17.2
M02-314095	16.8	16.6	16.8	16.5	17.2	16.8	16.4	17.5
M02-328023	17.6	17.4	17.9	17.6	18.4	17.5	16.9	17.7
M02-328139	17.2	17.6	16.9	17.5	18.0	16.6	16.2	17.4
M02-495076	16.8	17.0	16.3	17.5	17.1	16.4	16.2	17.0
ND04-11674	17.3	18.1	17.3	17.8	17.9	16.6	16.3	17.4
ND05-17644	16.7	17.0	16.9	17.6	16.8	16.4	15.8	16.7
ND05-17656	16.6	17.1	17.1	16.5	16.8	16.3	15.8	17.0
SD03-2154	17.4	17.5	16.9	17.6	18.2	17.2	16.6	17.6
SD04CV-611	16.9	17.2	17.3	16.6	17.5	16.5	16.2	16.7
SD05-335	17.0	18.1		17.0	17.5	15.9	15.7	17.4
SD05-383	17.1	18.0	17.2	17.3	17.5	16.4	16.2	17.1
OAC 06-32	18.1	18.7	18.0	18.1	18.7	17.5	17.1	18.4

Preliminary Test 0, 2009

Ent.	Strain	Parentage	Seed Source	Gen. Comp.	Unique Traits
1.	Sheyenne (0)	Pioneer 9071 x A96-492041	Helms	F4	Rps1-c
2.	MN1410 (I)	MN0302 x Archer	Orf	F5	Rps1k, BSR
3.	Surge (L)	A86-204022 x Kato	Green	F5	
4.	Traill (E)	M82-996 x Sigco KG20	Helms	F5	
5.	M03-143100	M97-121119 x OAC01-12	Orf	F5	Rps1k
6.	M03-149087	MN0902CN x MN0304	Orf	F5	Rps1k
7.	M03-163155	MN1009 x MN0304	Orf	F5	Rps1k
8.	M03-192010	MN0304 x PI612708C	Orf	F5	Rps1k
9.	M03-229084	MN0302 x M98-315056	Orf	F5	Rps1
10.	ND05-17887	MN0302 x ND99-1002	Helms	F4	Rps1c
11.	ND05-17923	MN0302 x [Barnes x A95-583021]	Helms	F4	SCN, Rps6
12.	ND06-25150	MN1006 x ND01-2765	Helms	F4	SCN, Rps1c
13.	ND06-25446	MN1006 x ND01-2765	Helms	F4	SCN, Rps1c
14.	ND06-25465	MN1006 x ND01-2765	Helms	F4	SCN, Rps1c
15.	ND06-25513	MN1006 x ND01-2765	Helms	F4	SCN, Rps1c
16.	ND06-25865	ND01-3739 x MN1006	Helms	F4	SCN, Rps6
17.	ND06-25913	ND01-3739 x MN1006	Helms	F4	SCN, Rps6
18.	ND06-26269	ND01-3533 x ND01-3559	Helms	F4	SCN, Rps1k
19.	ND06-26477	ND01-3533 x ND01-3559	Helms	F4	SCN, Rps1k
20.	ND06-26480	ND01-3533 x ND01-3559	Helms	F4	SCN, Rps1k
21.	OAC 07-23C	S03-W4 x PS 59	Rajcan	F5	
22.	OAC 07-26C	ND95-1564 x OAC Champion	Rajcan	F5	
23.	OAC 07-57C-ChC	8902 x 9071	Rajcan	F5	
24.	SD06-322	SDX98-74151 x M96-71481	Green	F5	
25.	SD06-338	SDX98-74151 x M96-71481	Green	F5	
26.	SD06-424	SDX98-74151 x M96-71481	Green	F5	
27.	SD06-428	SDX98-74151 x M96-71481	Green	F5	
28.	SD06-430	SDX98-76192 x N98-4445A	Green	F5	
29.	SD06-441	SDX98-76192 x N98-4445A	Green	F5	
30.	SD06-454	SDX98-76192 x N98-4445A	Green	F5	
31.	SD06-487	SDX98-76192 x N98-4445A	Green	F5	
32.	SD06-525	SD99-469 x SD99-36	Green	F5	Rps 1c
33.	SD06-535	SD99-469 x SD99-36	Green	F5	

PRELIMINARY TEST 0, 2009

DESCRIPTIVE AND DISEASE DATA

Strain	Descriptive Code	Chlorosis	Shattering	PR	
		Score Wilkin County MN	Score Ashland KS	Lafayette Race 4	Lafayette Race 7
Sheyenne (0)	PGBDYI	2.5	1.0	S	R
MN1410 (I)	WGBDYBfI	3.0	1.0	S*	S*
Surge (L)	PGBDYIbI	2.5	1.0	S	S
Traill (E)	PTBIYYI	3.0	1.0	S	S
M03-143100	PGTDYYI	2.5	1.0	R	R
M03-149087	WGTDYYI	2.5	1.0	R	R
M03-163155	P+WGBDHI	3.0	1.0	R	R
M03-192010	PGTDYYI	3.0	1.0	R	R
M03-229084	PGTDYYI	2.5	1.0	S	S
ND05-17887	PGTIYDbfI	2.5	1.0	R*	S*
ND05-17923	PGTDYBfI	3.5	1.0	R	R*
ND06-25150	PGBDYIbI	3.5	2.0	S	R
ND06-25446	PGBDYIbI	3.0	2.0	S	R
ND06-25465	PGBDYIbI	3.0	1.0	S	R
ND06-25513	PGBDYIbI	3.5	1.0	S	H*
ND06-25865	WGBDYBf+YI	3.0	2.0	R	S
ND06-25913	WGBDYI	3.0	1.0	R	S
ND06-26269	PTBDYGI	3.5	1.0	R	R
ND06-26477	PGBDYG+IbI	3.0	1.0	R	R
ND06-26480	P+WGBDYBfI	3.0	1.0	R	R
OAC 07-23C	PTBDYYI	3.5	1.0	S	S
OAC 07-26C	WTBSYYI	4.0	1.0	S	S
OAC 07-57C-ChC	PGBIYYI	3.5	1.0	S	S
SD06-322	PGBDYBfI	3.0	1.0	S	S
SD06-338	PGBDYBfI	4.5	1.0	S	S
SD06-424	PGBDYDbfI	3.0	1.0	S	S
SD06-428	PGBDYDbfI	2.5	1.0	S	S
SD06-430	PGBDYBfI	3.0	1.0	S	S
SD06-441	PGBDYBfI	2.5	1.0	H*	S
SD06-454	PGBDYBfI	3.0	1.0	S	S
SD06-487	PGBDYBfI	2.5	1.0	S	S
SD06-525	W+PGBDYDbfI	2.5	1.0	R*	R
SD06-535	PTBDYBrI	3.0	1.0	R*	R*

PR: * = *P. sojae* inoc. Reaction NOT compatible with breeder's information about *Rps* Trait

PRELIMINARY TEST 0, 2009

REGIONAL SUMMARY

No. of Tests Strain	Yield	Rank	Maturity	Lodging	Plant	Seed	Seed	Composition	
	6 bu/a	6 No.	7 Date	6 Score	6 In.	7 Score	7 g/100	7 %	7 %
Sheyenne (0)	51.9	19	9/27	1.0	29	1.8	14.9	34.2	17.5
MN1410 (I)	57.4	1	6.4	1.3	35	1.5	16.0	35.0	17.6
Surge (L)	53.5	10	-2.4	1.0	30	1.5	17.1	36.1	16.9
Trall (E)	47.2	26	-8.9	1.3	28	1.5	15.5	35.9	17.0
M03-143100	41.9	33	-7.3	1.3	27	1.6	14.7	34.8	17.7
M03-149087	51.1	21	-2.9	1.3	33	1.4	16.1	35.4	17.1
M03-163155	45.6	29	-2.7	1.3	31	1.6	15.2	35.3	17.4
M03-192010	48.5	24	-3.4	1.2	26	1.5	15.7	34.1	17.9
M03-229084	44.6	31	-3.0	1.3	33	1.5	14.2	34.3	17.7
ND05-17887	45.1	30	-6.1	1.1	30	1.4	15.3	35.0	17.4
ND05-17923	43.6	32	-6.0	1.0	30	1.5	13.8	34.9	17.4
ND06-25150	47.8	25	-0.1	1.2	30	2.0	13.9	34.6	17.7
ND06-25446	53.1	12	3.0	1.3	33	1.6	12.5	34.1	17.3
ND06-25465	47.2	27	-3.0	1.1	28	1.3	10.9	34.8	17.2
ND06-25513	46.0	28	-1.0	1.2	28	1.6	16.1	34.1	17.6
ND06-25865	51.5	20	1.9	1.0	31	1.6	14.9	33.2	17.7
ND06-25913	56.4	4	-0.3	1.2	32	1.4	13.1	32.9	18.0
ND06-26269	52.8	13	1.7	1.3	35	2.2	15.4	34.5	17.4
ND06-26477	57.0	2	5.6	1.0	34	1.9	14.1	33.5	17.8
ND06-26480	52.1	16	2.1	1.2	33	1.7	16.0	33.5	18.0
OAC 07-23C	52.0	18	-3.6	1.0	30	1.6	17.4	35.5	17.3
OAC 07-26C	50.0	23	-5.7	1.3	32	1.6	16.2	36.3	17.0
OAC 07-57C-ChC	50.6	22	-4.6	1.0	27	1.3	16.4	33.4	17.8
SD06-322	55.6	6	2.6	1.0	33	1.8	17.5	34.2	18.4
SD06-338	53.4	11	0.6	1.2	31	1.5	16.1	35.1	17.6
SD06-424	52.2	14	-2.4	1.0	30	1.6	18.3	34.8	17.7
SD06-428	55.1	7	3.3	1.2	33	1.5	20.6	35.3	17.9
SD06-430	54.9	8	-0.7	1.2	32	1.7	18.5	34.6	17.6
SD06-441	52.2	14	-0.4	1.3	31	1.9	17.5	34.6	17.5
SD06-454	52.1	16	0.3	1.2	30	1.6	17.7	34.6	18.1
SD06-487	56.9	3	1.7	1.2	33	2.6	19.4	34.4	17.4
SD06-525	54.2	9	5.4	1.2	33	1.5	16.4	35.1	16.9
SD06-535	55.7	5	5.1	1.2	34	1.6	16.5	35.6	16.4

125.1 Days After Planting

PRELIMINARY TEST 0, 2009

YIELD (bu/a)

Strain	Mean 6 Tests	Morris* MN	Rosemount MN	Casselton ND	St. Pauls ONT	Woodstock ONT	St. Mathieu de-Beloeil Que.	Aurora SD
Sheyenne (0)	51.9	27.9	41.7	49.4	56.0	53.8	63.6	46.7
MN1410 (I)	57.4	39.6	47.7	44.4	59.4	59.7	82.1	51.4
Surge (L)	53.5	25.9	37.5	49.9	56.0	55.6	72.2	50.1
Trail (E)	47.2	25.4	43.5	37.3	46.1	48.0	65.7	42.8
M03-143100	41.9	27.1	29.7	36.8	44.6	53.5	46.7	39.9
M03-149087	51.1	26.4	47.2	43.4	46.9	52.0	75.2	42.0
M03-163155	45.6	25.5	39.2	35.9	45.8	49.1	59.8	43.9
M03-192010	48.5	21.3	38.0	45.0	51.4	53.7	53.0	49.7
M03-229084	44.6	27.9	31.7	41.6	48.4	52.7	53.2	40.1
ND05-17887	45.1	24.1	32.1	38.1	46.2	47.5	60.9	45.6
ND05-17923	43.6	27.1	32.9	33.5	44.2	52.8	55.1	43.0
ND06-25150	47.8	32.2	45.5	40.4	40.8	55.4	54.9	49.7
ND06-25446	53.1	38.8	47.3	47.9	52.3	59.4	66.9	45.0
ND06-25465	47.2	28.0	49.0	31.1	44.3	55.2	61.4	42.0
ND06-25513	46.0	27.6	44.6	36.8	45.5	48.5	52.4	48.0
ND06-25865	51.5	30.7	55.8	42.9	48.8	52.8	57.9	50.8
ND06-25913	56.4	44.5	50.6	47.9	57.1	58.5	72.0	52.5
ND06-26269	52.8	41.5	48.5	44.9	52.1	59.9	66.6	44.6
ND06-26477	57.0	42.1	58.8	50.8	61.6	56.7	69.4	44.5
ND06-26480	52.1	34.4	49.0	50.3	55.1	58.6	52.9	46.9
OAC 07-23C	52.0	32.6	34.6	49.5	55.4	55.3	70.1	47.2
OAC 07-26C	50.0	33.7	33.0	35.8	56.6	54.8	69.8	49.8
OAC 07-57C-ChC	50.6	32.6	46.2	33.8	52.9	56.6	68.1	46.2
SD06-322	55.6	37.7	47.6	42.3	59.5	61.5	73.6	48.9
SD06-338	53.4	32.7	48.1	41.2	59.0	55.7	66.2	50.4
SD06-424	52.2	31.0	39.3	39.9	61.7	54.2	68.7	49.3
SD06-428	55.1	37.0	45.3	52.7	61.5	56.5	69.6	45.1
SD06-430	54.9	38.1	47.9	49.4	57.5	55.7	68.1	50.5
SD06-441	52.2	35.9	42.8	40.4	58.2	55.6	67.1	49.2
SD06-454	52.1	32.3	45.7	36.3	58.0	60.4	66.5	45.7
SD06-487	56.9	31.1	43.6	47.8	61.1	59.1	78.0	52.1
SD06-525	54.2	27.6	53.4	43.4	52.3	50.7	79.9	45.7
SD06-535	55.7	27.9	56.0	46.0	55.8	53.5	73.1	49.5
Location Mean		31.8	44.1	42.6	53.1	54.9	65.5	46.9
C.V. (%)		15.0	8.0	13.8	6.8	7.7	5.0	7.0
L.S.D. (5%)		8.2	7.2	14.4	7.3	8.6	6.7	6.7
Row Sp. (In.)		10	10	30	14	14	7	30
Rows/Plot		4	4	4	4	4	5	4
Reps		2	2	3	2	2	2	2

*Data not included in mean.

PRELIMINARY TEST 0, 2009

YIELD RANK

Strain	Yield Rank	Morris MN	Rosemount MN	Casselton ND	St. Pauls ONT	Woodstock ONT	St. Mathieu de-Beloeil Que.	Aurora SD
Sheyenne (0)	19	21	23	6	13	21	22	18
MN1410 (I)	1	4	11	14	6	4	1	3
Surge (L)	10	29	27	4	13	14	7	7
Trall (E)	26	31	21	25	27	32	21	29
M03-143100	33	26	33	26	30	23	33	33
M03-149087	21	28	14	15	25	28	4	30
M03-163155	29	30	25	29	28	30	25	27
M03-192010	24	33	26	12	22	22	30	9
M03-229084	31	21	32	19	24	27	29	32
ND05-17887	30	32	31	24	26	33	24	22
ND05-17923	32	26	30	32	32	25	27	28
ND06-25150	25	16	17	21	33	16	28	10
ND06-25446	12	5	13	8	19	5	17	24
ND06-25465	27	20	6	33	31	18	23	31
ND06-25513	28	24	19	26	29	31	32	15
ND06-25865	20	19	3	17	23	25	26	4
ND06-25913	4	1	5	8	11	8	8	1
ND06-26269	13	3	8	13	21	3	18	25
ND06-26477	2	2	1	2	2	9	12	26
ND06-26480	16	10	6	3	17	7	31	17
OAC 07-23C	18	13	28	5	16	17	9	16
OAC 07-26C	23	11	29	30	12	19	10	8
OAC 07-57C-ChC	22	13	15	31	18	10	14	19
SD06-322	6	7	12	18	5	1	5	14
SD06-338	11	12	9	20	7	12	20	6
SD06-424	14	18	24	23	1	20	13	12
SD06-428	7	8	18	1	3	11	11	23
SD06-430	8	6	10	6	10	12	14	5
SD06-441	14	9	22	21	8	14	16	13
SD06-454	16	15	16	28	9	2	19	20
SD06-487	3	17	20	10	4	6	3	2
SD06-525	9	24	4	15	19	29	2	21
SD06-535	5	21	2	11	15	23	6	11

PRELIMINARY TEST 0, 2009

MATURITY (date)

Strain	Mean 7 Tests	Morris MN	Rosemount MN	Casselton ND	St. Pauls ONT	Woodstock ONT	St. Mathieu de-Beloeil Que.	Aurora SD
Sheyenne (0)	9/27	10/8	9/13	9/25	10/13	10/19	9/13	9/14
MN1410 (I)	6.4	0	6	6	7	2	13	11
Surge (L)	-2.4	-12	2	4	-9	-6	4	0
Trall (E)	-8.9	-9	-1	-8	-20	-19	-2	-3
M03-143100	-7.3	-17	-5	-5	-6	-13	-2	-3
M03-149087	-2.9	-14	1	-1	0	-7	2	-1
M03-163155	-2.7	-12	1	-4	0	-5	4	-3
M03-192010	-3.4	-14	1	-1	-7	-4	4	-3
M03-229084	-3.0	-6	-1	0	-4	-12	2	0
ND05-17887	-6.1	-8	-2	-3	-12	-17	0	-1
ND05-17923	-6.0	-8	-4	-3	-9	-16	0	-2
ND06-25150	-0.1	-7	2	2	-8	-4	7	7
ND06-25446	3.0	-1	4	5	-1	-2	9	7
ND06-25465	-3.0	-14	-1	1	-9	-4	6	0
ND06-25513	-1.0	0	1	-3	-8	-2	3	2
ND06-25865	1.9	-1	5	4	-3	-1	7	2
ND06-25913	-0.3	-1	1	4	-7	-7	6	2
ND06-26269	1.7	-6	7	4	-7	-4	9	9
ND06-26477	5.6	1	8	8	1	-2	13	10
ND06-26480	2.1	-1	2	4	1	-2	8	3
OAC 07-23C	-3.6	0	-1	-1	-11	-16	6	-2
OAC 07-26C	-5.7	-9	-2	-4	-14	-13	3	-1
OAC 07-57C-ChC	-4.6	-5	1	2	-17	-15	4	-2
SD06-322	2.6	-1	3	2	1	-1	7	7
SD06-338	0.6	-1	4	3	-4	-10	4	8
SD06-424	-2.4	-2	1	-2	-10	-10	4	2
SD06-428	3.3	-2	4	5	1	-1	7	9
SD06-430	-0.7	-6	3	2	-5	-4	4	1
SD06-441	-0.4	-2	2	3	0	-12	4	2
SD06-454	0.3	-1	3	2	-5	-1	4	0
SD06-487	1.7	-1	4	5	0	-4	5	3
SD06-525	5.4	-1	11	5	1	2	11	9
SD06-535	5.1	-1	11	7	1	-4	8	14
Date Planted	5/25	5/18	5/15	5/24	6/4	6/16	5/26	5/15
Days to Mature	125	143	121	124	131	125	110	122

PRELIMINARY TEST 0, 2009

LODGING (score)

Strain	Mean 6 Tests	Morris MN	Rosemount MN	Casselton ND	St. Pauls ONT	Woodstock ONT	St. Mathieu de-Beloeil Que.	Aurora SD
Sheyenne (0)	1.0	1.0		1.0	1.0	1.0	1.0	1.0
MN1410 (I)	1.3	1.0		1.0	1.3	1.3	1.3	2.0
Surge (L)	1.0	1.0		1.0	1.0	1.0	1.0	1.0
Traill (E)	1.3	1.0		1.0	1.3	1.3	1.2	2.0
M03-143100	1.3	1.0		1.0	1.3	1.3	1.1	2.0
M03-149087	1.3	1.0		1.0	1.5	1.0	1.0	2.0
M03-163155	1.3	1.0		1.0	1.3	1.5	1.1	2.0
M03-192010	1.2	1.0		1.0	1.0	1.0	1.2	2.0
M03-229084	1.3	1.0		1.0	1.0	1.8	1.1	2.0
ND05-17887	1.1	1.0		1.0	1.0	1.0	1.5	1.0
ND05-17923	1.0	1.0		1.0	1.0	1.0	1.0	1.0
ND06-25150	1.2	1.0		1.0	1.0	1.3	1.0	2.0
ND06-25446	1.3	1.0		1.0	1.3	1.0	1.6	2.0
ND06-25465	1.1	1.0		1.0	1.0	1.0	1.6	1.0
ND06-25513	1.2	1.0		1.0	1.0	1.0	1.0	2.0
ND06-25865	1.0	1.0		1.0	1.0	1.0	1.2	1.0
ND06-25913	1.2	1.0		1.0	1.3	1.0	1.0	2.0
ND06-26269	1.3	1.0		1.0	1.8	1.0	1.0	2.0
ND06-26477	1.0	1.0		1.0	1.0	1.0	1.0	1.0
ND06-26480	1.2	1.0		1.0	1.0	1.3	1.0	2.0
OAC 07-23C	1.0	1.0		1.0	1.0	1.0	1.1	1.0
OAC 07-26C	1.3	1.0		1.0	1.3	1.5	1.2	2.0
OAC 07-57C-ChC	1.0	1.0		1.0	1.0	1.0	1.0	1.0
SD06-322	1.0	1.0		1.0	1.0	1.0	1.1	1.0
SD06-338	1.2	1.0		1.0	1.0	1.0	1.0	2.0
SD06-424	1.0	1.0		1.0	1.0	1.0	1.0	1.0
SD06-428	1.2	1.0		1.0	1.0	1.0	1.2	2.0
SD06-430	1.2	1.0		1.0	1.0	1.0	1.0	2.0
SD06-441	1.3	1.0		1.0	1.0	1.0	1.7	2.0
SD06-454	1.2	1.0		1.0	1.0	1.0	1.0	2.0
SD06-487	1.2	1.0		1.0	1.0	1.0	1.0	2.0
SD06-525	1.2	1.0		1.0	1.0	1.0	1.3	2.0
SD06-535	1.2	1.0		1.0	1.0	1.0	1.0	2.0

PRELIMINARY TEST 0, 2009

PLANT HEIGHT (inches)

Strain	Mean 6 Tests	Morris MN	Rosemount MN	Casselton ND	St. Pauls ONT	Woodstock ONT	St. Mathieu de-Beloeil Que.	Aurora SD
Sheyenne (0)	29	24		31	29	31	28	32
MN1410 (I)	35	28		31	38	36	37	39
Surge (L)	30	20		29	33	31	30	35
Traill (E)	28	22		26	32	30	28	31
M03-143100	27	23		25	31	29	22	33
M03-149087	33	27		32	34	34	34	35
M03-163155	31	25		28	33	33	31	33
M03-192010	26	22		28	28	27	24	29
M03-229084	33	24		33	33	37	32	36
ND05-17887	30	22		30	34	33	28	32
ND05-17923	30	25		27	30	33	30	34
ND06-25150	30	23		30	32	33	26	34
ND06-25446	33	30		32	35	34	33	35
ND06-25465	28	23		25	28	34	26	31
ND06-25513	28	24		25	32	32	24	34
ND06-25865	31	26		31	29	35	29	34
ND06-25913	32	30		29	34	30	30	37
ND06-26269	35	32		32	34	36	33	40
ND06-26477	34	30		34	34	33	35	37
ND06-26480	33	29		33	35	32	31	39
OAC 07-23C	30	23		30	31	31	30	35
OAC 07-26C	32	26		28	35	35	33	37
OAC 07-57C-ChC	27	23		27	25	29	26	32
SD06-322	33	26		29	35	37	33	36
SD06-338	31	28		29	33	30	31	37
SD06-424	30	24		29	31	33	31	33
SD06-428	33	30		30	34	32	34	40
SD06-430	32	24		33	33	37	30	33
SD06-441	31	29		29	34	34	28	34
SD06-454	30	25		26	35	32	30	34
SD06-487	33	26		34	35	35	33	35
SD06-525	33	24		33	33	32	36	40
SD06-535	34	29		34	37	35	33	37

PRELIMINARY TEST 0, 2009

SEED QUALITY (score)

Strain	Mean 7 Tests	Morris MN	Rosemount MN	Casselton ND	St. Pauls ONT	Woodstock ONT	St. Mathieu de-Beloeil Que.	Aurora SD
Sheyenne (0)	1.8	2.0	1.5	2.0	1.5	2.0	1.5	2.0
MN1410 (I)	1.5	2.0	1.0	1.0	1.5	1.5	1.5	2.0
Surge (L)	1.5	2.0	1.5	1.0	1.5	1.0	1.5	2.0
Traill (E)	1.5	1.5	1.5	1.0	1.0	1.5	2.0	2.0
M03-143100	1.6	1.5	2.0	1.0	1.0	1.5	2.0	2.0
M03-149087	1.4	1.5	1.0	1.0	1.5	2.0	1.0	2.0
M03-163155	1.6	1.5	2.0	1.0	2.0	1.0	1.5	2.0
M03-192010	1.5	1.5	1.0	1.0	1.5	1.0	2.5	2.0
M03-229084	1.5	2.0	1.5	1.0	1.5	1.0	1.5	2.0
ND05-17887	1.4	1.5	1.5	1.0	1.5	1.5	1.0	2.0
ND05-17923	1.5	1.5	1.5	1.0	1.5	1.0	2.0	2.0
ND06-25150	2.0	2.0	2.0	2.0	1.5	2.0	1.5	3.0
ND06-25446	1.6	2.0	1.0	1.0	1.0	1.5	2.5	2.0
ND06-25465	1.3	1.5	1.0	1.0	1.5	1.0	1.0	2.0
ND06-25513	1.6	2.0	2.0	1.0	1.5	1.0	1.5	2.0
ND06-25865	1.6	1.5	2.0	1.0	1.5	1.5	2.0	2.0
ND06-25913	1.4	1.5	1.0	1.0	1.0	1.0	2.0	2.0
ND06-26269	2.2	2.5	2.0	1.0	2.5	1.5	2.0	4.0
ND06-26477	1.9	2.5	1.5	1.0	1.5	1.5	2.5	3.0
ND06-26480	1.7	2.0	2.0	1.0	1.5	1.5	2.0	2.0
OAC 07-23C	1.6	1.5	2.0	1.0	2.0	1.5	1.0	2.0
OAC 07-26C	1.6	2.0	1.5	1.0	1.5	1.0	1.5	3.0
OAC 07-57C-ChC	1.3	1.5	1.0	1.0	1.0	1.0	1.5	2.0
SD06-322	1.8	2.0	2.0	1.0	2.5	1.0	2.0	2.0
SD06-338	1.5	1.5	2.0	1.0	1.5	1.5	1.0	2.0
SD06-424	1.6	2.0	2.0	1.0	1.5	1.5	1.5	2.0
SD06-428	1.5	2.0	1.5	1.0	1.5	1.5	1.0	2.0
SD06-430	1.7	1.5	2.0	2.0	2.0	1.5	1.0	2.0
SD06-441	1.9	2.0	3.0	1.0	2.0	1.5	1.5	2.0
SD06-454	1.6	2.0	2.0	1.0	1.5	1.5	1.5	2.0
SD06-487	2.6	3.0	3.0	4.0	2.0	2.0	2.0	2.0
SD06-525	1.5	1.5	2.0	1.0	1.5	1.5	1.0	2.0
SD06-535	1.6	2.0	2.5	1.0	1.5	1.5	1.0	2.0

PRELIMINARY TEST 0, 2009

SEED SIZE (g/100)

Strain	Mean 7 Tests	Morris MN	Rosemount MN	Casselton ND	St. Pauls ONT	Woodstock ONT	St. Mathieu de-Beloeil Que.	Aurora SD
Sheyenne (0)	14.9	14.9	14.8	15.7	15.3	15.9	13.9	14.0
MN1410 (I)	16.0	16.1	16.0	16.0	17.0	17.1	15.3	14.4
Surge (L)	17.1	15.4	17.8	19.4	15.4	17.3	18.2	16.3
Traill (E)	15.5	11.5	13.0	18.8	14.4	17.0	16.9	16.9
M03-143100	14.7	14.2	14.2	17.9	14.0	14.8	13.3	14.8
M03-149087	16.1	13.1	18.0	18.0	16.3	15.3	15.6	16.3
M03-163155	15.2	13.4	17.0	16.8	15.0	15.6	15.1	13.5
M03-192010	15.7	14.2	15.8	17.6	15.8	16.5	14.4	15.5
M03-229084	14.2	14.7	14.9	14.8	12.7	14.9	13.9	13.4
ND05-17887	15.3	16.3	16.5	16.1	13.9	13.6	14.6	16.3
ND05-17923	13.8	15.4	14.6	14.5	12.5	12.4	13.4	13.5
ND06-25150	13.9	14.1	14.5	15.2	13.8	14.5	12.6	12.3
ND06-25446	12.5	11.7	13.7	13.8	11.6	12.5	12.6	11.6
ND06-25465	10.9	10.6	12.8	12.2	10.3	9.7	10.8	10.1
ND06-25513	16.1	16.8	17.3	16.7	17.2	14.8	14.4	15.5
ND06-25865	14.9	16.2	17.3	15.7	13.7	14.3	13.5	13.6
ND06-25913	13.1	14.1	14.0	14.8	11.9	11.7	12.3	13.1
ND06-26269	15.4	15.2	16.8	16.3	15.4	15.5	14.5	13.9
ND06-26477	14.1	14.8	14.4	15.4	13.3	14.0	14.0	12.7
ND06-26480	16.0	16.6	17.0	17.4	14.8	16.1	14.6	15.2
OAC 07-23C	17.4	16.2	16.9	18.7	17.9	17.6	17.3	17.3
OAC 07-26C	16.2	15.2	17.1	17.5	16.9	14.9	15.8	16.3
OAC 07-57C-ChC	16.4	16.2	19.1	17.6	15.2	15.2	16.5	14.9
SD06-322	17.5	17.6	18.4	17.8	16.6	17.9	16.7	17.2
SD06-338	16.1	16.4	16.7	16.2	17.0	16.4	16.0	14.2
SD06-424	18.3	19.0	19.6	18.4	19.8	16.6	17.7	16.9
SD06-428	20.6	28.0	20.9	20.7	19.9	19.0	18.3	17.6
SD06-430	18.5	19.1	20.2	18.2	17.4	19.4	18.2	16.9
SD06-441	17.5	18.4	18.3	18.3	16.7	17.4	16.5	16.8
SD06-454	17.7	18.9	18.0	18.7	16.8	18.1	17.4	16.2
SD06-487	19.4	20.4	20.5	19.1	19.6	19.8	19.4	17.2
SD06-525	16.4	16.0	19.5	17.8	17.3	16.0	15.3	12.7
SD06-535	16.5	17.1	16.9	19.0	16.3	15.6	16.0	14.6

PRELIMINARY TEST 0, 2009

PROTEIN (%)

Strain	Mean 7 Tests	Morris MN	Rosemount MN	Casselton ND	St. Pauls ONT	Woodstock ONT	Aurora SD	St. Mathieu de-Beloeil Que.
Sheyenne (0)	34.2	33.1	34.7	33.1	34.9	35.3	35.4	33.1
MN1410 (I)	35.0	33.9	35.9	32.7	35.3	36.2	36.5	34.2
Surge (L)	36.1	35.6	36.2	33.6	37.1	36.7	36.8	36.4
Traill (E)	35.9	34.1	34.3	35.5	36.5	37.5	36.7	37.1
M03-143100	34.8	35.7	33.4	33.8	34.9	35.3	35.2	35.4
M03-149087	35.4	34.2	36.0	34.7	36.1	35.7	35.8	35.6
M03-163155	35.3	35.6	35.9	34.4	35.1	34.9	36.6	34.4
M03-192010	34.1	33.9	33.4	33.5	34.2	34.1	35.6	33.9
M03-229084	34.3	33.7	34.5	33.0	34.5	34.5	36.3	33.9
ND05-17887	35.0	34.6	35.3	33.9	34.7	35.2	35.9	35.1
ND05-17923	34.9	34.7	34.9	33.8	35.1	35.0	36.3	34.8
ND06-25150	34.6	33.6	35.5	33.5	34.5	36.2	35.3	33.8
ND06-25446	34.1	33.7	33.9	32.5	34.9	35.1	35.4	33.3
ND06-25465	34.8	34.5	35.5	32.9	35.8	36.3	35.4	33.4
ND06-25513	34.1	35.1	34.1	32.6	34.5	34.1	35.2	33.2
ND06-25865	33.2	32.8	34.2	31.8	34.2	32.0	34.6	32.6
ND06-25913	32.9	31.7	33.1	33.5	32.4	36.0	33.0	30.5
ND06-26269	34.5	34.0	35.3	33.4	35.8	33.5	35.8	33.7
ND06-26477	33.5	32.3	35.0	31.8	33.8	34.3	34.9	32.5
ND06-26480	33.5	32.6	33.7	32.0	33.6	35.5	34.6	32.7
OAC 07-23C	35.5	34.4	35.7	34.3	35.4	37.3	36.6	35.1
OAC 07-26C	36.3	35.4	36.2	34.9	37.5	37.6	36.8	35.7
OAC 07-57C-ChC	33.4	33.3	35.6	32.1	32.6	33.3	34.0	33.1
SD06-322	34.2	33.3	35.3	32.3	34.7	35.1	34.9	34.1
SD06-338	35.1	33.8	35.0	34.2	35.6	36.5	35.4	34.9
SD06-424	34.8	34.5	35.2	33.5	35.1	35.5	35.7	34.1
SD06-428	35.3	34.4	35.7	34.6	35.8	35.6	35.9	35.1
SD06-430	34.6	33.5	35.1	32.5	35.6	35.8	35.3	34.6
SD06-441	34.6	33.7	35.1	33.7	35.5	35.8	34.8	33.9
SD06-454	34.6	33.0	34.7	32.8	35.5	35.5	36.2	34.6
SD06-487	34.4	33.7	34.4	32.5	34.8	35.7	35.0	34.7
SD06-525	35.1	33.4	34.9	33.7	36.2	36.9	35.8	35.0
SD06-535	35.6	33.9	36.1	34.4	37.5	37.2	35.3	34.6

* Protein and Oil values converted to 13% moisture basis.

PRELIMINARY TEST 0, 2009

OIL (%)

Strain	Mean 7 Tests	Morris MN	Rosemount MN	Casselton ND	St. Pauls ONT	Woodstock ONT	Aurora SD	St. Mathieu de-Beloeil Que.
Sheyenne (0)	17.5	18.5	17.9	17.9	16.5	16.3	18.0	17.2
MN1410 (I)	17.6	19.2	17.3	18.7	17.0	16.5	17.9	16.9
Surge (L)	16.9	17.4	17.8	17.7	16.1	16.2	16.5	16.6
Traill (E)	17.0	18.0	17.4	17.0	16.5	15.9	17.8	16.4
M03-143100	17.7	18.2	18.5	18.3	17.0	16.8	18.3	16.9
M03-149087	17.1	18.0	17.2	17.4	16.6	16.5	17.3	16.4
M03-163155	17.4	18.0	17.6	17.6	17.1	16.9	17.5	16.9
M03-192010	17.9	18.5	18.0	18.9	17.3	17.3	18.0	17.4
M03-229084	17.7	18.1	18.3	17.8	17.1	17.1	17.6	18.1
ND05-17887	17.4	17.5	17.5	17.9	16.9	16.5	18.1	17.5
ND05-17923	17.4	17.3	17.3	17.6	17.2	17.2	17.8	17.6
ND06-25150	17.7	18.1	18.5	18.4	17.4	16.5	17.8	17.4
ND06-25446	17.3	17.8	17.4	18.6	16.8	16.4	17.1	16.7
ND06-25465	17.2	17.2	17.7	17.5	16.5	16.0	17.8	17.5
ND06-25513	17.6	17.3	17.7	18.2	17.5	17.1	17.8	17.7
ND06-25865	17.7	18.2	17.8	18.2	17.3	17.7	17.6	17.5
ND06-25913	18.0	18.6	18.0	18.3	17.7	17.6	18.1	17.8
ND06-26269	17.4	17.8	17.4	17.3	17.3	17.5	16.7	17.7
ND06-26477	17.8	18.9	18.3	18.8	17.3	16.6	17.6	17.3
ND06-26480	18.0	19.2	18.2	19.0	17.1	17.3	18.1	17.3
OAC 07-23C	17.3	17.7	17.3	17.5	17.2	16.7	17.5	17.1
OAC 07-26C	17.0	17.2	17.0	17.9	16.8	16.6	16.6	16.9
OAC 07-57C-ChC	17.8	17.7	18.0	18.2	17.5	16.8	18.2	18.0
SD06-322	18.4	19.1	18.8	20.0	17.5	17.3	18.1	18.0
SD06-338	17.6	18.3	17.8	19.1	16.7	16.5	17.5	17.4
SD06-424	17.7	18.2	18.0	19.2	16.8	16.4	18.0	17.2
SD06-428	17.9	18.9	17.7	18.4	17.2	17.3	17.9	18.1
SD06-430	17.6	18.4	18.0	18.8	16.7	16.4	18.1	17.1
SD06-441	17.5	18.6	17.6	18.4	16.7	16.4	17.3	17.5
SD06-454	18.1	18.8	18.4	18.9	17.0	16.7	18.6	17.8
SD06-487	17.4	18.5	18.0	18.7	16.3	15.8	17.6	16.9
SD06-525	16.9	18.2	17.0	17.9	15.8	15.6	17.2	16.7
SD06-535	16.4	16.8	16.6	16.2	15.7	15.8	16.3	17.2

Uniform Test I, 2009

Ent.	Strain	Parentage	Seed Source	Previous Testing	Gen. Comp.	Unique Traits
1.	MN1410 (I)	MN0302 x Archer	Orf	4	F5	Rps1k, BSR
2.	IA1022 (SCN)	Dairyland 98822 x A00-711024	Fehr	3	F5	SCN
3.	Sheyenne (0)	Pioneer 9071 x A96-492041	Helms	2	F4	Rps1-c
4.	A07-426040	Dairyland 99707 x Pioneer 91M10	Fehr	PTI	F4	
5.	AR06-165095	Golden Harvest 24040 x GarstAgripro 97026-N99-42648	Cianzio	08 SCN UTI	F4	SCN
6.	AR07-175064	Golden Harvest X33686 x S18-N5	Cianzio	08 SCN UTI	F4	SCN
7.	SD05-240	A00-711063 x SD98-595	Green	PTIIB	F5	

UNIFORM TEST I, 2009

DESCRIPTIVE AND DISEASE DATA

Strain	Descriptive Code	<u>Chlorosis</u>		<u>Shattering</u>	<u>Green Stem</u>
		Score		Score	Score
		Humboldt IA	Wilkin County MN	Ashland KS	Lafayette IN
MN1410 (I)	WGBDYBfI	4.3	2.5	1.0	1.0
IA1022 (SCN)	PGTIYYI	3.6	3.0	1.0	1.0
Sheyenne (0)	PGBDYI	3.3	2.5	1.0	1.0
A07-426040	P+WlTfTDYYI	3.5	2.5	1.0	1.0
AR06-165095	PGBDYIbI	3.4	3.0	1.0	1.0
AR07-175064	PGBDYIbI	4.0	3.0	1.0	1.0
SD05-240	PGTDYBfI	3.5	2.5	1.0	1.0

UNIFORM TEST I, 2009

DESCRIPTIVE AND DISEASE DATA

Strain	<u>PR</u> Lafayette		<u>FE</u> Laf.	<u>SDS</u> DX
	Race 4	Race 7	a rx.	Havana IL
MN1410 (I)	S*	S*	S	14
IA1022 (SCN)	S	S	S	19
Sheyenne (0)	S	R	S	6
A07-426040	S	S	S	25
AR06-165095	R	R	S	24
AR07-175064	S	S	S	26
SD05-240	R*	R*	S	6

PR: * = *P. sojae* inoc. Reaction NOT compatible with breeder's information about *Rps* Trait
 FE: S = susceptible, - = lesions not detected, x = no data

UNIFORM TEST I, 2009

REGIONAL SUMMARY

No. of Tests Strain	Yield 15 bu/a	Rank 15 No.	Maturity 13 Date	Lodging 13 Score	Plant Height 11 In.	Seed Quality 8 Score	Seed Size 14 g/100	<u>Composition</u>	
								Protein 10 %	Oil 10 %
MN1410 (I)	57.7	3	9/17	1.3	32	1.5	17.2	34.9	18.1
IA1022 (SCN)	57.9	2	1.9	1.2	30	1.8	16.4	33.4	19.3
Sheyenne (0)	51.7	7	-5.4	1.2	28	2.2	16.7	34.4	17.9
A07-426040	57.3	4	2.8	1.3	32	1.9	17.9	35.2	17.7
AR06-165095	57.2	5	6.0	1.6	36	1.8	19.0	34.9	17.5
AR07-175064	59.6	1	4.2	1.3	34	1.6	19.6	34.4	17.5
SD05-240	56.1	6	2.7	1.4	30	1.4	16.3	34.4	18.1

122.8 Days After Planting

UNIFORM TEST I, 2009

YIELD (bu/a)

Strain	Mean 15 Tests	Ames IA	Charles City IA	Kanawha IA	Lafayette IN	Wanatah IN	Ingham County MI	Saginaw County MI	Lamberton MN
MN1410 (I)	57.7	56.1	42.9	47.5	43.4	38.3	57.7	52.5	57.1
IA1022 (SCN)	57.9	63.3	48.5	46.3	51.0	48.0	53.0	45.4	63.0
Sheyenne (0)	51.7	53.7	31.9	46.4	36.8	39.1	55.9	52.0	51.7
A07-426040	57.3	61.3	44.8	49.5	48.7	48.1	61.4	48.6	59.4
AR06-165095	57.2	59.0	50.1	53.0	54.8	50.7	61.6	47.6	57.7
AR07-175064	59.6	64.9	48.8	52.1	55.3	51.0	65.2	49.8	55.3
SD05-240	56.1	56.8	41.5	47.5	50.2	46.0	51.8	44.9	56.5
Location Mean		59.3	44.0	48.9	48.6	45.9	58.1	48.7	57.2
C.V. (%)		8.6	11.3	7.4	7.3	10.4	9.3	3.6	14.4
L.S.D. (5%)		12.5	12.2	8.8	5.1	8.4	10.5	3.4	14.2
Row Sp. (In.)		27	27	30	30	30	15	15	10
Rows/Plot		4	4	4	4	4	6	6	10
Reps		2	2	2	3	3	2	2	3

*Data not included in mean.

UNIFORM TEST I, 2009

YIELD RANK

Strain	Yield Rank	Ames IA	Charles City IA	Kanawha IA	Lafayette IN	Wanatah IN	Ingham County MI	Saginaw County MI	Lamberton MN
MN1410 (I)	3	6	5	4	6	7	4	1	4
IA1022 (SCN)	2	2	3	7	3	4	6	6	1
Sheyenne (0)	7	7	7	6	7	6	5	2	7
A07-426040	4	3	4	3	5	3	3	4	2
AR06-165095	5	4	1	1	2	2	2	5	3
AR07-175064	1	1	2	2	1	1	1	3	6
SD05-240	6	5	6	4	4	5	7	7	5

UNIFORM TEST I, 2009

YIELD (bu/a)

Strain	Waseca MN	Beemer NE	Cotesfield NE	Phillips NE	Chatham ONT	St. Hyacinthe Que.	Aurora SD
MN1410 (I)	61.5	61.1	88.1	85.7	64.9	57.9	50.2
IA1022 (SCN)	56.7	63.0	83.3	78.3	62.8	52.3	52.9
Sheyenne (0)	54.6	48.6	75.4	68.1	59.7	56.2	45.0
A07-426040	63.9	61.5	78.2	70.1	60.4	56.0	47.8
AR06-165095	64.1	57.2	73.4	72.0	64.8	50.6	42.0
AR07-175064	58.0	55.2	82.8	77.6	66.8	52.0	58.8
SD05-240	59.6	66.9	82.6	75.6	58.8	52.3	49.9
Location Mean	59.8	59.1	80.5	75.3	62.6	53.9	49.5
C.V. (%)	10.9	4.6	2.5	7.9	4.7	6.1	6.4
L.S.D. (5%)	11.4	7.1	5.2	15.5	4.3	4.8	5.7
Row Sp. (In.)	10	30	30	30	17	15	30
Rows/Plot	10	4	4	4	5	4	4
Reps	3	2	2	2	3	3	3

UNIFORM TEST I, 2009

YIELD RANK

Strain	Waseca MN	Beemer NE	Cotesfield NE	Phillips NE	Chatham ONT	St. Hyacinthe Que.	Aurora SD
MN1410 (I)	3	4	1	1	2	1	3
IA1022 (SCN)	6	2	2	2	4	4	2
Sheyenne (0)	7	7	6	7	6	2	6
A07-426040	2	3	5	6	5	3	5
AR06-165095	1	5	7	5	3	7	7
AR07-175064	5	6	3	3	1	6	1
SD05-240	4	1	4	4	7	5	4

UNIFORM TEST I, 2009

MATURITY (date)

Strain	Mean 13 Tests	Ames IA	Charles City IA	Kanawha IA	Lafayette IN	Wanatah IN	Ingham County MI	Saginaw County MI	Lamberton MN
MN1410 (I)	9/17	9/12		9/20	9/11	9/8	9/16	9/17	9/19
IA1022 (SCN)	1.9	4		-1	2	6	3	1	1
Sheyenne (0)	-5.4	-8		-9	-5	-3	-2	-1	-5
A07-426040	2.8	3		2	2	6	8	2	2
AR06-165095	6.0	6		3	7	8	11	4	3
AR07-175064	4.2	4		3	6	6	7	3	2
SD05-240	2.7	3		1	4	7	5	1	1
Date Planted	5/17	5/8		5/18	5/26	5/19	5/20	5/21	5/7
Days to Mature	123	127		125	108	112	119	119	135

UNIFORM TEST I, 2009

LODGING (score)

Strain	Mean 13 Tests	Ames IA	Charles City IA	Kanawha IA	Lafayette IN	Wanatah IN	Ingham County MI	Saginaw County MI	Lamberton MN
MN1410 (I)	1.3	1.8	1.8		1.0	1.0	1.0	1.0	1.7
IA1022 (SCN)	1.2	2.0	1.5		1.0	1.0	1.0	1.0	1.7
Sheyenne (0)	1.2	1.0	1.3		1.0	1.0	1.0	1.0	1.7
A07-426040	1.3	1.3	1.8		1.0	1.0	1.5	1.0	1.7
AR06-165095	1.6	1.8	2.0		1.0	1.0	1.5	1.0	2.0
AR07-175064	1.3	1.5	1.8		1.0	1.0	1.0	1.0	1.7
SD05-240	1.4	1.5	2.0		1.0	1.0	1.5	1.5	2.0

UNIFORM TEST I, 2009

MATURITY (date)

Strain	Waseca MN	Beemer NE	Cotesfield NE	Phillips NE	Chatham ONT	St. Hyacinthe Que.	Aurora SD
MN1410 (I)	9/20		9/25	9/15	9/20	9/25	9/22
IA1022 (SCN)	0		-1	3	0	2	5
Sheyenne (0)	-4		-9	-6	-4	-3	-11
A07-426040	2		-2	2	0	6	4
AR06-165095	8		3	6	6	9	4
AR07-175064	3		1	4	3	9	4
SD05-240	3		0	3	0	4	4
Date Planted	5/15	5/28	5/19	5/18	5/22	5/14	5/15
Days to Mature	128		129	120	121	134	130

UNIFORM TEST I, 2009

LODGING (score)

Strain	Waseca MN	Beemer NE	Cotesfield NE	Phillips NE	Chatham ONT	St. Hyacinthe Que.	Aurora SD
MN1410 (I)	2.0		1.0	1.5	1.0	1.0	1.0
IA1022 (SCN)	2.0		1.0	1.0	1.0	1.0	1.0
Sheyenne (0)	2.0		1.0	1.0	1.0	1.0	1.0
A07-426040	2.0		1.0	1.0	1.0	1.0	1.0
AR06-165095	2.7		2.0	1.5	1.0	1.0	2.0
AR07-175064	2.0		1.0	1.5	1.0	1.0	1.0
SD05-240	2.0		1.5	1.0	1.0	1.0	1.0

UNIFORM TEST I, 2009

PLANT HEIGHT (inches)

Strain	Mean 11 Tests	Ames IA	Charles City IA	Kanawha IA	Lafayette IN	Wanatah IN	Ingham County MI	Saginaw County MI	Lamberton MN
MN1410 (I)	32	37	30		28	33	25	29	34
IA1022 (SCN)	30	38	29		26	31	21	28	33
Sheyenne (0)	28	34	23		25	30	24	25	31
A07-426040	32	36	29		29	30	29	32	35
AR06-165095	36	41	34		34	34	31	37	38
AR07-175064	34	37	30		32	33	31	32	35
SD05-240	30	34	29		26	31	24	27	33

UNIFORM TEST I, 2009

SEED QUALITY (score)

Strain	Mean 8 Tests	Ames IA	Charles City IA	Kanawha IA	Lafayette IN	Wanatah IN	Ingham County MI	Saginaw County MI	Lamberton MN
MN1410 (I)	1.5			2.0	1.0	1.0			2.0
IA1022 (SCN)	1.8			2.0	1.0	1.0			2.5
Sheyenne (0)	2.2			3.0	1.5	1.0			3.0
A07-426040	1.9			2.0	1.0	1.0			3.0
AR06-165095	1.8			2.0	1.0	1.0			2.0
AR07-175064	1.6			2.0	1.0	1.0			1.5
SD05-240	1.4			1.0	1.0	1.0			1.5

UNIFORM TEST I, 2009

PLANT HEIGHT (inches)

Strain	Waseca MN	Beemer NE	Cotesfield NE	Phillips NE	Chatham ONT	St. Hyacinthe Que.	Aurora SD
MN1410 (I)	29				32	35	37
IA1022 (SCN)	27				32	29	39
Sheyenne (0)	29				27	28	33
A07-426040	33				34	30	33
AR06-165095	39				38	34	41
AR07-175064	36				35	33	36
SD05-240	33				32	30	34

UNIFORM TEST I, 2009

SEED QUALITY (score)

Strain	Waseca MN	Beemer NE	Cotesfield NE	Phillips NE	Chatham ONT	St. Hyacinthe Que.	Aurora SD
MN1410 (I)	1.5				1.3	1.0	2.0
IA1022 (SCN)	1.5				1.6	3.0	2.0
Sheyenne (0)	3.0				2.0	2.0	2.0
A07-426040	1.5				1.3	2.0	3.0
AR06-165095	2.0				1.6	2.0	3.0
AR07-175064	1.0				1.3	2.0	3.0
SD05-240	1.0				1.3	2.0	2.0

UNIFORM TEST I, 2009

SEED SIZE (g/100)

Strain	Mean 14 Tests	Ames IA	Charles City IA	Kanawha IA	Lafayette IN	Wanatah IN	Ingham County MI	Saginaw County MI	Lamberton MN
MN1410 (I)	17.2	17.0	18.0	16.3	17.1	14.0	17.8	15.0	17.4
IA1022 (SCN)	16.4	16.7	16.2	15.5	18.1	15.0	17.4	14.5	17.3
Sheyenne (0)	16.7	16.8	18.2	16.2	19.1	15.0	16.6	14.7	16.0
A07-426040	17.9	18.6	18.3	17.3	18.7	17.0	19.3	16.1	18.9
AR06-165095	19.0	21.0	18.5	19.1	21.5	19.1	19.8	16.4	20.4
AR07-175064	19.6	20.2	18.9	19.5	21.0	18.7	20.0	17.1	20.8
SD05-240	16.3	16.8	16.1	16.3	18.2	14.8	16.0	14.0	17.4

UNIFORM TEST I, 2009

SEED SIZE (g/100)

Strain	Waseca MN	Beemer NE	Cotesfield NE	Phillips NE	Chatham ONT	St. Hyacinthe Que.	Aurora SD
MN1410 (I)	19.3		19.8	19.8	19.9	14.0	15.3
IA1022 (SCN)	17.4		19.7	16.3	17.6	13.2	14.5
Sheyenne (0)	18.7		18.4	18.2	16.9	14.8	13.7
A07-426040	20.0		19.7	17.6	20.2	14.4	14.7
AR06-165095	21.3		20.0	19.3	20.7	13.7	14.7
AR07-175064	20.3		22.3	20.5	21.5	15.4	18.7
SD05-240	18.3		17.7	17.1	17.1	13.6	14.2

UNIFORM TEST I, 2009

PROTEIN (%)

Strain	Mean 10 Tests	Charles City IA	Kanawha IA	Lafayette IN	Wanatah IN	Ingham MI	Lamberton MN	Waseca MN	Aurora SD	Phillips NE	Chatham ONT
MN1410 (I)	34.9	35.4	34.9	33.7	34.5	36.4	33.5	34.5	35.4	36.2	34.3
IA1022 (SCN)	33.4	34.4	31.7	33.8	32.6	33.2	33.0	33.9	34.9	34.2	32.3
Sheyenne (0)	34.4	34.9	33.8	34.2	34.5	35.2	33.5	34.1	35.1	34.5	33.9
A07-426040	35.2	35.2	34.8	34.5	34.0	35.4	35.0	34.7	35.9	35.9	36.9
AR06-165095	34.9	34.6	33.8	34.7	34.6	35.5	34.6	33.7	35.9	35.8	36.1
AR07-175064	34.4	34.1	34.1	34.6	33.7	34.8	33.9	34.0	35.0	34.8	35.5
SD05-240	34.4	35.2	33.7	34.0	34.1	34.2	33.8	34.2	36.0	34.9	34.3

* Protein and Oil values converted to 13% moisture basis.

UNIFORM TEST I, 2009

OIL (%)

Strain	Mean 10 Tests	Charles City IA	Kanawha IA	Lafayette IN	Wanatah IN	Ingham MI	Lamberton MN	Waseca MN	Aurora SD	Phillips NE	Chatham ONT
MN1410 (I)	18.1	18.2	18.8	18.3	17.4	16.9	18.5	17.9	18.0	17.7	19.7
IA1022 (SCN)	19.3	18.8	19.8	19.4	19.1	18.4	19.1	19.8	18.4	19.4	20.5
Sheyenne (0)	17.9	17.3	18.0	18.2	18.3	17.1	18.2	17.3	17.2	18.5	19.2
A07-426040	17.7	17.4	17.7	17.9	18.6	16.8	18.4	16.7	16.9	18.2	18.4
AR06-165095	17.5	17.4	17.9	17.8	17.7	16.5	17.4	17.0	17.1	17.8	18.5
AR07-175064	17.5	17.6	17.0	18.1	18.1	16.5	17.7	17.1	17.0	17.9	18.2
SD05-240	18.1	18.7	18.0	18.2	18.4	16.9	18.2	17.9	17.0	18.7	18.8

Preliminary Test I, 2009

Ent.	Strain	Parentage	Seed Source	Gen. Comp.	Unique Traits
1.	MN1410 (I)	MN0302 x Archer	Orf	F5	Rps1k, BSR
2.	IA1022 (SCN)	Dairyland 98822 x A00-711024	Fehr	F5	SCN
3.	Sheyenne (0)	Pioneer 9071 x A96-492041	Helms	F4	Rps1-c
4.	A08-151002	IA1021 x Syngenta M815869	Fehr	F4	
5.	A08-151011	IA1021 x Syngenta MT913155	Fehr	F4	
6.	A08-151015	IA1021 x Syngenta MT913155	Fehr	F4	
7.	A08-151020	A04-545015 x Syngenta WW228348	Fehr	F4	
8.	A08-151024	A04-545045 x AgriPro 98180-A01-0613	Fehr	F4	
9.	A08-151027	AgriPro XC2284N x A04-444032	Fehr	F4	
10.	A08-151030	AgriPro 97144-A00-19136 x IA1023	Fehr	F4	
11.	A08-151031	AgriPro 97144-A00-19136 x IA1023	Fehr	F4	
12.	A08-151033	IA1023 x IA1021	Fehr	F4	
13.	A08-151034	Soygenetics F21156C x A04-645020	Fehr	F4	
14.	A08-151041	LD00-4970 x IA1021	Fehr	F4	SCN
15.	A08-152001	A04-443032 x Syngenta M815869	Fehr	F4	
16.	A08-152033	Soygenetics F21156C x A04-645020	Fehr	F4	
17.	A08-152035	A04-545045 x AgriPro 97284-N00-47977	Fehr	F4	SCN
18.	A08-248002	A04-545015 x Syngenta WW228348	Fehr	F4	
19.	AR08-186008	Garst H-2285 x AR02-101001	Cianzio	F3	BSR
20.	AR08-186009	Garst-Agripro 97144-A00-15133 x A95-684043	Cianzio	F3	Rps1c
21.	M03-160082	MN1302 x MN0091	Orf	F5	Rps1 White Mold
22.	M03-163106	MN1009 x MN0304	Orf	F5	Rps1k
23.	M03-165068	NE1900 x MN0304	Orf	F5	Rps1k
24.	M03-172059	IA2052 x MN0304	Orf	F5	Rps1k
25.	M03-193054	PI612717 x MN0304	Orf	F5	Rps1k
26.	OAC 05-33	RCAT Appin x OAC Champion	Rajcan	F5	
27.	OAC 07-48C	PS 73 x OAC Wallace	Rajcan	F5	
28.	OAC 07-49C	OAC Gretna x ND97-1211	Rajcan	F5	
29.	SD06-328	SDX98-74151 x M96-71481	Green	F5	
30.	SD06-344	SDX98-74151 x M96-71481	Green	F5	Rps 1k + Rps 6
31.	SD06-357	SDX98-74151 x M96-71481	Green	F5	Rps 1k
32.	SD06-439	SDX98-76192 x N98-4445A	Green	F5	Rps 1k
33.	SD06-444	SDX98-76192 x N98-4445A	Green	F5	Rps 1c
34.	SD06-483	SDX98-76192 x N98-4445A	Green	F5	Rps 1k
35.	U06-104327	U01-290680 x NE3202	Graef	F4	dt
36.	U06-627094	U01-390489 x U97-209053-74	Graef	F4	SCN?, dt

PRELIMINARY TEST I, 2009

DESCRIPTIVE AND DISEASE DATA

Strain	Descriptive Code	Fe Chlorosis Score		Shattering Score	PR Lafayette		FE Laf.
		Humboldt IA	Wilkin County MN	Ashland KS	Race 4	Race 7	a rx.
MN1410 (I)	WGBDYBfi	4.3	2.0	1.0	S*	S*	S
IA1022 (SCN)	PGTIYYI	3.6	2.0	1.0	S	S	S
Sheyenne (0)	PGBDYII	3.3	2.0	1.0	S	R	S
A08-151002	PLtTDYBr+YI	3.9	2.0	1.0	S	S	S
A08-151011	PTBDYYI	3.1	2.0	1.0	S	H*	S
A08-151015	PLtBDYYI	3.0	3.5	1.0	S	H*	S
A08-151020	PTTDYYI	3.8	2.0	1.0	R*	S	S
A08-151024	WGTDYYI	3.4	2.0	1.0	S	S	S
A08-151027	PTTDYYI	3.6	2.5	1.0	S	S	S
A08-151030	WGTDYYI	3.4	2.0	1.0	H*	R*	S
A08-151031	P+WTTDYYI	3.3	2.5	1.0	S	R*	S
A08-151033	PGBDYII	3.8	2.0	1.0	S	S	S
A08-151034	PTBDYYI	4.5	3.0	1.0	S	R*	S
A08-151041	PGBDYII	4.0	2.0	1.0	S	S	S
A08-152001	PLtTDYYI	3.6	2.0	2.0	R*	R*	S
A08-152033	PLtTDYYI	3.9	2.5	1.0	R*	R*	S
A08-152035	P+WGBDYII	2.9	2.5		S	S	S
A08-248002	PLtTDYYI	4.0	3.5	1.0	R*	S	S
AR08-186008	WTBDYYBII	4.0	2.5	3.0	S	S	S
AR08-186009	PTTDYBfi	3.4	3.5	1.0	R*	R	S
M03-160082	PGB+TDYYI	3.5	2.5	2.0	S	S	S
M03-163106	WGTDYYI	2.9	2.0	1.0	R	R	S
M03-165068	WGTDYLtbfI	3.0	2.0	2.0	R	R	S
M03-172059	WGTDYBfi	4.0	2.5	2.0	R	R	S
M03-193054	PGBDYBfi	2.8	2.0	1.0	H*	S*	S
OAC 05-33	PTBDYYI	4.1	3.0	1.0	S	S	S
OAC 07-48C	PTBDYYI	3.5	2.0	2.0	H*	S	S
OAC 07-49C	PTBDYBr+YI	3.8	2.5	1.0	S	S	S
SD06-328	PGBDYBfi	3.4	2.0	1.0	S	S	S
SD06-344	PGBDYBfi	2.9	2.0	1.0	S*	S*	S
SD06-357	PGBDYLtBfi	2.6	2.0	1.0	S*	S*	S
SD06-439	PGBDYBfi	2.6	2.5	1.0	S*	S*	S
SD06-444	PGBDYBfi	3.3	2.5	1.0	S	S*	S
SD06-483	PGBDYBfi	3.3	4.0	1.0	S*	S*	S
U06-104327	PGBDYGD	3.8	3.0	1.0	S	S	S
U06-627094	WGTDYYD	3.6	2.0	1.0	S	S	S

PR: * = *P. sojae* inoc. Reaction NOT compatible with breeder's information about *Rps* Trait

FE: S = susceptible, - = lesions not detected, x = no data

PRELIMINARY TEST I, 2009

REGIONAL SUMMARY

No. of Tests Strain	Yield 11 bu/a	Rank 11 No.	Maturity 10 Date	Lodging 11 Score	Plant Height 9 In.	Seed Quality 6 Score	Seed Size 11 g/100	Composition	
								Protein 8 %	Oil 8 %
MN1410 (I)	55.8	15	9/18	1.3	31	1.8	18.3	35.9	17.8
IA1022 (SCN)	56.8	10	3.0	1.3	30	1.9	16.8	34.1	18.9
Sheyenne (0)	48.5	35	-5.8	1.2	27	2.4	17.4	35.2	17.9
A08-151002	58.0	5	3.8	1.4	30	1.7	14.1	34.3	17.3
A08-151011	56.3	11	3.7	1.4	32	2.0	18.5	34.7	17.5
A08-151015	57.5	8	3.9	1.5	32	2.0	19.2	34.8	17.4
A08-151020	53.9	22	4.1	1.5	30	1.8	17.3	35.2	17.4
A08-151024	59.0	3	2.3	1.3	32	1.3	16.2	35.4	17.7
A08-151027	55.2	19	5.0	1.6	37	1.6	16.5	35.2	17.3
A08-151030	56.1	13	6.0	1.2	31	1.8	19.3	35.1	17.6
A08-151031	61.4	1	2.8	1.4	35	1.8	17.7	34.6	17.3
A08-151033	59.9	2	4.1	1.4	30	1.8	19.3	35.0	17.8
A08-151034	55.3	18	4.8	1.6	33	1.8	17.2	35.2	17.1
A08-151041	55.8	15	3.1	1.5	32	1.6	16.5	35.2	17.6
A08-152001	57.9	6	3.9	1.3	32	1.8	15.9	34.3	17.6
A08-152033	56.1	13	3.4	1.4	31	2.2	20.0	35.3	17.1
A08-152035	55.8	15	4.4	1.6	35	1.8	16.0	35.6	17.7
A08-248002	57.9	6	5.3	1.2	33	1.7	15.9	34.7	17.3
AR08-186008	58.5	4	1.8	1.3	30	1.6	16.6	35.5	17.6
AR08-186009	53.8	23	6.7	1.8	36	1.8	19.5	35.4	17.3
M03-160082	52.3	27	1.5	1.3	33	1.8	19.5	34.9	18.2
M03-163106	53.1	26	-1.5	1.8	33	1.8	16.3	34.7	18.0
M03-165068	52.2	28	-2.2	1.3	27	1.7	16.5	34.8	18.0
M03-172059	53.8	23	-2.8	1.2	30	1.7	16.6	34.5	18.1
M03-193054	46.7	36	-3.4	1.5	29	1.8	18.8	34.8	18.4
OAC 05-33	53.6	25	0.4	1.4	27	1.8	19.8	35.7	18.1
OAC 07-48C	57.1	9	-1.2	1.2	28	2.0	19.7	33.2	18.5
OAC 07-49C	54.6	20	0.5	1.4	31	1.9	19.7	33.7	18.1
SD06-328	51.5	29	-2.1	1.4	30	1.8	17.4	35.0	18.6
SD06-344	50.1	32	-2.7	1.5	30	2.0	18.9	34.8	18.2
SD06-357	49.8	33	-2.0	1.2	29	1.8	21.8	34.6	19.1
SD06-439	48.6	34	-1.1	1.2	28	1.8	19.8	35.6	18.6
SD06-444	51.0	30	-3.2	1.3	30	1.8	18.5	35.5	18.7
SD06-483	50.6	31	-1.6	1.4	30	2.1	18.3	34.3	18.5
U06-104327	56.3	11	7.8	1.5	32	2.1	16.5	34.9	17.8
U06-627094	54.5	21	6.3	1.3	30	1.9	13.3	33.1	18.0

124.5 Days After Planting

PRELIMINARY TEST I, 2009

YIELD (bu/a)

Strain	Mean 11 Tests	Ames IA	Charles City IA	Lafayette IN	Ingham* County MI	Lamberton MN	Waseca MN
MN1410 (I)	55.8	56.1	42.9	44.0	53.3	44.1	48.1
IA1022 (SCN)	56.8	63.3	48.5	56.9	63.2	39.7	54.5
Sheyenne (0)	48.5	53.7	31.9	38.8	43.5	30.7	46.3
A08-151002	58.0	64.7	45.0	53.3	60.6	55.2	60.4
A08-151011	56.3	56.6	47.4	55.2	60.4	37.9	55.8
A08-151015	57.5	59.8	48.0	54.7	60.3	40.7	51.9
A08-151020	53.9	60.7	47.9	48.9	63.0	42.8	52.7
A08-151024	59.0	59.5	48.4	56.3	57.8	53.5	49.9
A08-151027	55.2	60.0	43.1	52.9	59.4	51.9	49.4
A08-151030	56.1	61.5	44.9	43.8	57.5	41.6	48.9
A08-151031	61.4	63.5	49.6	54.8	62.7	55.9	58.8
A08-151033	59.9	62.8	46.5	54.0	59.4	41.0	54.4
A08-151034	55.3	59.8	45.4	49.5	63.7	41.0	49.1
A08-151041	55.8	63.5	48.0	52.6	61.9	46.9	42.6
A08-152001	57.9	59.5	41.8	56.7	66.2	49.1	53.3
A08-152033	56.1	60.9	47.2	51.0	54.6	46.1	52.0
A08-152035	55.8	54.4	43.6	55.2	55.4	51.6	50.3
A08-248002	57.9	58.6	51.7	51.5	64.6	52.9	55.9
AR08-186008	58.5	62.0	42.5	54.5	59.9	46.5	50.5
AR08-186009	53.8	58.3	46.7	55.8	57.9	40.2	52.8
M03-160082	52.3	47.9	51.2	48.5	59.7	44.2	49.8
M03-163106	53.1	59.7	43.3	49.5	44.4	45.6	41.7
M03-165068	52.2	58.3	47.6	50.1	47.1	43.5	33.1
M03-172059	53.8	58.6	52.7	44.1	45.7	45.1	44.1
M03-193054	46.7	48.9	37.9	40.4	29.9	39.2	42.5
OAC 05-33	53.6	58.2	43.2	44.8	56.7	39.4	45.8
OAC 07-48C	57.1	57.1	41.5	56.1	67.9	54.1	46.7
OAC 07-49C	54.6	60.1	46.3	48.1	60.2	49.8	44.3
SD06-328	51.5	50.7	37.2	37.5	38.7	45.1	51.2
SD06-344	50.1	51.8	35.2	37.7	45.6	40.9	46.3
SD06-357	49.8	54.0	31.0	38.2	57.5	45.1	43.9
SD06-439	48.6	53.8	36.3	38.6	41.9	43.8	40.2
SD06-444	51.0	53.2	43.0	43.3	51.1	35.4	52.2
SD06-483	50.6	53.9	34.7	41.8	43.4	43.6	49.8
U06-104327	56.3	55.2	42.5	55.2	64.9	48.8	54.8
U06-627094	54.5	56.8	37.2	41.7	49.8	42.9	55.8
Location Mean		57.7	43.6	48.8	55.3	44.9	49.4
C.V. (%)		6.6	10.9	8.4	16.0	13.1	11.3
L.S.D. (5%)		7.7	9.7	8.3	15.0	11.7	11.2
Row Sp. (In.)		27	27	30	15	10	10
Rows/Plot		4	4	4	6	4	4
Reps		1	1	2	2	2	2

*Data not included in mean.

PRELIMINARY TEST I, 2009

YIELD (bu/a)

Strain	Beemer NE	Cotesfield NE	Phillips NE	Palmyra ONT	St. Hyacinthe Que.	Aurora SD
MN1410 (I)	57.8	86.3	82.6	53.0	58.8	39.9
IA1022 (SCN)	59.7	78.8	75.8	48.1	51.8	47.6
Shevenne (0)	48.9	73.1	74.1	45.5	52.5	38.1
A08-151002	64.6	84.9	73.9	45.3	51.0	39.6
A08-151011	60.6	80.7	78.8	50.0	53.3	43.6
A08-151015	63.3	78.8	75.0	55.4	58.2	47.2
A08-151020	62.3	76.9	69.6	43.7	52.1	35.1
A08-151024	61.4	81.0	82.7	63.7	55.4	37.5
A08-151027	57.1	76.5	67.7	51.8	53.5	43.1
A08-151030	68.5	84.2	77.7	50.9	53.3	41.7
A08-151031	66.3	83.2	82.2	54.4	62.1	45.0
A08-151033	67.4	93.4	78.8	55.4	58.6	46.7
A08-151034	63.6	77.7	73.1	47.3	55.7	46.5
A08-151041	62.7	73.4	70.9	53.9	55.2	44.7
A08-152001	64.7	84.2	76.7	50.7	54.4	45.8
A08-152033	56.7	75.9	72.5	52.5	57.5	45.1
A08-152035	62.6	72.4	74.6	55.6	52.1	41.5
A08-248002	64.5	81.6	66.6	54.2	51.9	47.5
AR08-186008	63.2	87.3	81.3	52.3	56.8	46.6
AR08-186009	55.4	75.4	66.9	51.9	53.5	35.1
M03-160082	56.6	67.0	67.8	50.9	52.9	38.8
M03-163106	53.7	74.4	74.8	51.5	51.2	38.7
M03-165068	56.5	75.8	69.5	49.2	53.4	37.6
M03-172059	55.1	80.6	69.3	52.9	46.7	42.9
M03-193054	44.4	70.5	61.3	45.9	44.0	38.9
OAC 05-33	54.0	75.9	74.3	46.5	57.9	50.1
OAC 07-48C	62.1	77.6	73.4	59.8	56.3	43.1
OAC 07-49C	49.8	71.4	77.8	54.6	56.4	41.9
SD06-328	53.8	73.5	76.7	50.1	53.0	37.7
SD06-344	52.7	66.0	70.2	51.4	54.0	45.6
SD06-357	47.4	69.0	70.1	56.0	52.0	40.7
SD06-439	48.8	74.0	70.6	47.8	43.1	37.7
SD06-444	51.9	72.4	72.9	43.2	52.0	41.7
SD06-483	52.4	75.1	67.0	45.6	54.3	38.7
U06-104327	61.8	83.9	82.3	51.7	52.8	30.1
U06-627094	60.5	85.8	80.3	48.1	46.4	44.5
Location Mean	58.1	77.7	73.9	51.1	53.4	41.9
C.V. (%)	4.6	5.6	5.1	11.6	8.0	9.7
L.S.D. (5%)	6.6	10.8	9.3	10.0	7.3	8.2
Row Sp. (In.)	30	30	30	17	15	30
Rows/Plot	4	4	4	5	4	4
Reps	2	2	2	2	2	2

PRELIMINARY TEST I, 2009

YIELD RANK

Strain	Yield Rank	Ames IA	Charles City IA	Lafayette IN	Ingham County MI	Lamberton MN	Waseca MN
MN1410 (I)	15	25	24	26	25	19	24
IA1022 (SCN)	10	4	5	1	6	31	7
Sheyenne (0)	35	31	35	32	32	36	26
A08-151002	5	1	17	13	10	2	1
A08-151011	11	24	11	6	11	34	4
A08-151015	8	12	7	10	12	29	14
A08-151020	22	9	9	21	7	24	11
A08-151024	3	15	6	3	19	4	18
A08-151027	19	11	22	14	16	6	21
A08-151030	13	7	18	27	20	25	23
A08-151031	1	2	4	9	8	1	2
A08-151033	2	5	14	12	16	26	8
A08-151034	18	12	16	19	5	26	22
A08-151041	15	2	7	15	9	11	32
A08-152001	6	15	27	2	2	9	9
A08-152033	13	8	12	17	24	13	13
A08-152035	15	27	19	6	23	7	17
A08-248002	6	17	2	16	4	5	3
AR08-186008	4	6	25	11	14	12	16
AR08-186009	23	19	13	5	18	30	10
M03-160082	27	36	3	22	15	18	19
M03-163106	26	14	20	19	31	14	34
M03-165068	28	19	10	18	28	22	36
M03-172059	23	17	1	25	29	15	30
M03-193054	36	35	29	31	36	33	33
OAC 05-33	25	21	21	24	22	32	28
OAC 07-48C	9	22	28	4	1	3	25
OAC 07-49C	20	10	15	23	13	8	29
SD06-328	29	34	30	36	35	15	15
SD06-344	32	33	33	35	30	28	26
SD06-357	33	28	36	34	20	15	31
SD06-439	34	30	32	33	34	20	35
SD06-444	30	32	23	28	26	35	12
SD06-483	31	29	34	29	33	21	19
U06-104327	11	26	25	6	3	10	6
U06-627094	21	23	30	30	27	23	4

PRELIMINARY TEST I, 2009

YIELD RANK

Strain	Beemer NE	Cotesfield NE	Phillips NE	Palmyra ONT	St. Hyacinthe Que.	Aurora SD
MN1410 (I)	19	3	2	11	2	23
IA1022 (SCN)	18	14	13	27	30	2
Sheyenne (0)	33	29	18	33	24	29
A08-151002	5	5	19	34	32	24
A08-151011	16	12	7	24	20	14
A08-151015	8	15	14	6	4	4
A08-151020	12	18	28	35	25	35
A08-151024	15	11	1	1	11	33
A08-151027	20	19	32	16	17	15
A08-151030	1	6	10	21	19	20
A08-151031	3	9	4	8	1	11
A08-151033	2	1	8	5	3	5
A08-151034	7	16	21	29	10	7
A08-151041	10	28	24	10	12	12
A08-152001	4	7	11	22	13	8
A08-152033	21	20	23	13	6	10
A08-152035	11	30	16	4	26	21
A08-248002	6	10	35	9	29	3
AR08-186008	9	2	5	14	7	6
AR08-186009	24	23	34	15	16	34
M03-160082	22	35	31	20	22	26
M03-163106	28	25	15	18	31	28
M03-165068	23	22	29	25	18	32
M03-172059	25	13	30	12	33	17
M03-193054	36	33	36	31	35	25
OAC 05-33	26	21	17	30	5	1
OAC 07-48C	13	17	20	2	9	15
OAC 07-49C	32	32	9	7	8	18
SD06-328	27	27	12	23	21	30
SD06-344	29	36	26	19	15	9
SD06-357	35	34	27	3	28	22
SD06-439	34	26	25	28	36	31
SD06-444	31	31	22	36	27	19
SD06-483	30	24	33	32	14	27
U06-104327	14	8	3	17	23	36
U06-627094	17	4	6	26	34	13

PRELIMINARY TEST I, 2009

MATURITY (date)

Strain	Mean 10 Tests	Ames IA	Charles City IA	Lafayette IN	Ingham County MI	Lamberton MN	Waseca MN
MN1410 (I)	9/18	9/12		9/11	9/16	9/20	9/23
IA1022 (SCN)	3.0	4		3	10	1	1
Sheyenne (0)	-5.8	-8		-4	-1	-5	-4
A08-151002	3.8	4		2	11	2	0
A08-151011	3.7	3		4	10	4	0
A08-151015	3.9	4		3	9	5	3
A08-151020	4.1	4		5	12	4	0
A08-151024	2.3	0		3	8	5	-1
A08-151027	5.0	4		6	11	3	2
A08-151030	6.0	6		5	12	5	4
A08-151031	2.8	5		3	9	1	-2
A08-151033	4.1	6		3	9	3	0
A08-151034	4.8	6		4	14	3	0
A08-151041	3.1	3		4	11	2	1
A08-152001	3.9	3		3	12	3	2
A08-152033	3.4	3		3	12	2	-1
A08-152035	4.4	4		4	12	3	-1
A08-248002	5.3	5		5	12	6	0
AR08-186008	1.8	3		4	8	1	0
AR08-186009	6.7	6		7	15	7	3
M03-160082	1.5	-1		2	9	0	-3
M03-163106	-1.5	-1		-1	2	0	1
M03-165068	-2.2	-3		0	3	-1	-1
M03-172059	-2.8	-5		0	1	-4	-1
M03-193054	-3.4	-5		-3	0	-4	-5
OAC 05-33	0.4	0		4	5	0	-1
OAC 07-48C	-1.2	0		3	4	-3	-8
OAC 07-49C	0.5	1		6	5	0	-6
SD06-328	-2.1	-4		-1	3	-3	0
SD06-344	-2.7	-6		-1	2	-2	-4
SD06-357	-2.0	-5		0	3	-1	-3
SD06-439	-1.1	-3		3	3	-1	-2
SD06-444	-3.2	-4		-2	1	-3	-5
SD06-483	-1.6	-4		2	2	-2	0
U06-104327	7.8	7		8	15	7	3
U06-627094	6.3	6		7	12	6	1
Date Planted	5/17	5/8	5/19	5/26	5/20	5/7	5/11
Days to Mature	124	127		108	119	136	135

PRELIMINARY TEST I, 2009

MATURITY (date)

Strain	Beemer NE	Cotesfield NE	Phillips NE	Palmyra ONT	St. Hyacinthe Que.	Aurora SD
MN1410 (I)		9/24	9/16	9/19	9/25	9/21
IA1022 (SCN)		0	2	1	4	5
Shevenne (0)		-9	-6	-6	-4	-11
A08-151002		-1	2	0	10	9
A08-151011		-1	1	1	10	5
A08-151015		0	1	2	8	5
A08-151020		-1	2	3	7	5
A08-151024		-2	1	-1	6	4
A08-151027		3	4	2	5	10
A08-151030		3	4	2	10	9
A08-151031		0	1	-1	7	6
A08-151033		1	4	2	7	7
A08-151034		1	3	1	8	8
A08-151041		0	2	-1	5	4
A08-152001		0	3	0	5	8
A08-152033		-1	1	0	7	9
A08-152035		2	2	1	11	7
A08-248002		2	3	2	9	9
AR08-186008		-2	-1	0	2	4
AR08-186009		0	4	5	10	10
M03-160082		-1	1	1	4	2
M03-163106		-7	-4	-4	-1	0
M03-165068		-6	-4	-3	-3	-4
M03-172059		-8	-6	-5	0	0
M03-193054		-8	-6	-3	1	-1
OAC 05-33		-2	-1	-3	0	2
OAC 07-48C		-3	1	-5	-1	0
OAC 07-49C		-3	3	-2	1	0
SD06-328		-7	-5	-3	-1	0
SD06-344		-9	-4	-3	-1	0
SD06-357		-5	-4	-2	-2	-1
SD06-439		-5	-4	-2	1	0
SD06-444		-7	-6	-4	-2	0
SD06-483		-5	-5	-3	-1	0
U06-104327		5	6	2	15	10
U06-627094		4	5	3	9	10
Date Planted	5/28	5/19	5/18	5/22	5/14	5/15
Days to Mature		128	121	120	134	129

PRELIMINARY TEST I, 2009

LODGING (score)

Strain	Mean 11 Tests	Ames IA	Charles City IA	Lafayette IN	Ingham County MI	Lamberton MN	Waseca MN
MN1410 (I)	1.3	1.8	1.8	1.0	1.0	1.5	2.0
IA1022 (SCN)	1.3	2.0	1.5	1.0	1.0	1.0	2.0
Sheyenne (0)	1.2	1.0	1.3	1.0	1.0	1.5	2.0
A08-151002	1.4	1.5	1.5	1.0	1.0	2.0	2.0
A08-151011	1.4	1.3	1.8	1.0	2.0	2.0	2.0
A08-151015	1.5	1.5	1.5	1.0	1.0	2.0	2.0
A08-151020	1.5	1.3	1.5	1.0	2.0	2.0	2.0
A08-151024	1.3	1.5	1.5	1.0	1.5	1.0	2.0
A08-151027	1.6	1.5	2.0	1.0	2.0	2.0	2.5
A08-151030	1.2	1.5	1.5	1.0	1.0	1.0	2.0
A08-151031	1.4	2.3	1.8	1.0	1.5	1.5	2.0
A08-151033	1.4	1.5	1.5	1.0	1.5	2.0	2.0
A08-151034	1.6	2.3	2.0	1.0	2.0	2.0	2.0
A08-151041	1.5	1.3	2.0	1.0	2.0	2.5	2.0
A08-152001	1.3	1.5	1.8	1.0	1.5	2.0	2.0
A08-152033	1.4	1.5	1.8	1.0	1.5	2.0	2.0
A08-152035	1.6	2.0	1.8	1.0	2.0	2.0	2.0
A08-248002	1.2	1.3	1.5	1.0	1.0	1.5	2.0
AR08-186008	1.3	1.3	1.5	1.0	1.5	1.5	2.0
AR08-186009	1.8	2.0	2.3	1.3	2.0	2.0	2.0
M03-160082	1.3	1.8	1.5	1.0	1.5	1.5	2.0
M03-163106	1.8	3.0	1.8	1.0	1.5	2.0	2.0
M03-165068	1.3	1.8	1.5	1.0	1.5	2.0	2.0
M03-172059	1.2	2.0	1.5	1.0	1.0	1.0	2.0
M03-193054	1.5	2.5	1.8	1.0	1.0	1.5	2.0
OAC 05-33	1.4	1.8	1.5	1.0	1.0	2.0	2.0
OAC 07-48C	1.2	1.3	1.3	1.0	1.5	1.5	2.0
OAC 07-49C	1.4	1.5	1.5	1.0	1.0	2.0	2.0
SD06-328	1.4	1.5	2.0	1.0	1.0	2.0	2.0
SD06-344	1.5	1.8	1.8	1.0	1.5	2.0	2.0
SD06-357	1.2	1.3	1.5	1.0	1.0	1.5	2.0
SD06-439	1.2	1.0	1.8	1.0	1.0	1.5	2.0
SD06-444	1.3	2.0	1.5	1.0	1.0	2.0	2.0
SD06-483	1.4	1.5	1.8	1.0	1.0	2.0	2.0
U06-104327	1.5	1.8	2.3	1.0	1.5	2.0	2.0
U06-627094	1.3	1.5	1.3	1.0	1.5	2.0	2.0

PRELIMINARY TEST I, 2009

LODGING (score)

Strain	Beemer NE	Cotesfield NE	Phillips NE	Palmyra ONT	St. Hyacinthe Que.	Aurora SD
MN1410 (I)		1.0	1.5	1.0	1.0	1.0
IA1022 (SCN)		1.5	1.0	1.0	1.0	1.0
Sheyenne (0)		1.0	1.0	1.0	1.0	1.0
A08-151002		1.5	1.5	1.0	1.0	1.0
A08-151011		1.0	1.5	1.0	1.0	1.0
A08-151015		1.0	1.0	1.0	1.0	3.0
A08-151020		1.0	1.5	1.0	1.0	2.0
A08-151024		1.0	1.5	1.0	1.0	1.0
A08-151027		1.5	2.5	1.0	1.0	1.0
A08-151030		1.0	1.0	1.0	1.0	1.0
A08-151031		1.0	1.0	1.0	1.0	1.0
A08-151033		1.0	1.5	1.0	1.0	1.0
A08-151034		1.0	1.5	1.0	1.0	2.0
A08-151041		1.0	1.0	1.0	1.0	2.0
A08-152001		1.0	1.0	1.0	1.0	1.0
A08-152033		1.0	1.5	1.0	1.0	1.0
A08-152035		1.5	1.0	1.0	1.0	2.0
A08-248002		1.0	1.0	1.0	1.0	1.0
AR08-186008		1.0	1.0	1.0	1.0	1.0
AR08-186009		2.0	2.5	1.0	1.0	2.0
M03-160082		1.0	1.0	1.0	1.0	1.0
M03-163106		1.5	2.5	1.0	1.0	2.0
M03-165068		1.0	1.0	1.0	1.0	1.0
M03-172059		1.0	1.0	1.0	1.0	1.0
M03-193054		1.0	1.0	1.0	1.0	3.0
OAC 05-33		1.0	1.0	1.0	1.0	2.0
OAC 07-48C		1.0	1.0	1.0	1.0	1.0
OAC 07-49C		1.0	1.0	1.0	1.0	2.0
SD06-328		1.0	1.0	1.0	1.0	2.0
SD06-344		1.0	1.0	1.0	1.0	2.0
SD06-357		1.0	1.0	1.0	1.0	1.0
SD06-439		1.0	1.0	1.0	1.0	1.0
SD06-444		1.0	1.0	1.0	1.0	1.0
SD06-483		1.0	1.0	1.0	1.0	2.0
U06-104327		1.0	2.0	1.0	1.0	1.0
U06-627094		1.0	1.5	1.0	1.0	1.0

PRELIMINARY TEST I, 2009

PLANT HEIGHT (inches)

Strain	Mean 9 Tests	Ames IA	Charles City IA	Lafayette IN	Ingham County MI	Lamberton MN	Waseca MN
MN1410 (I)	31	37	30	28	25	32	34
IA1022 (SCN)	30	38	29	26	26	27	30
Sheyenne (0)	27	34	23	25	23	26	33
A08-151002	30	33	26	26	29	32	32
A08-151011	32	35	30	29	30	31	35
A08-151015	32	37	32	28	27	32	34
A08-151020	30	34	28	27	27	29	32
A08-151024	32	38	30	29	29	34	35
A08-151027	37	41	30	33	34	43	40
A08-151030	31	38	29	26	30	35	31
A08-151031	35	46	33	33	29	37	37
A08-151033	30	32	28	28	28	32	35
A08-151034	33	36	30	30	34	34	34
A08-151041	32	34	26	29	31	35	32
A08-152001	32	33	28	29	32	36	31
A08-152033	31	36	26	28	30	33	34
A08-152035	35	37	33	31	31	40	38
A08-248002	33	35	32	29	31	35	36
AR08-186008	30	34	27	27	28	34	32
AR08-186009	36	40	33	34	34	37	41
M03-160082	33	37	32	29	27	38	33
M03-163106	33	42	28	29	31	36	30
M03-165068	27	30	25	26	22	31	27
M03-172059	30	33	29	26	25	36	31
M03-193054	29	35	27	25	22	33	30
OAC 05-33	27	31	23	25	22	29	25
OAC 07-48C	28	31	22	30	28	35	25
OAC 07-49C	31	36	26	30	28	36	28
SD06-328	30	37	26	25	23	34	34
SD06-344	30	36	26	27	24	33	31
SD06-357	29	35	25	26	26	31	30
SD06-439	28	33	24	26	23	32	27
SD06-444	30	38	28	27	20	31	32
SD06-483	30	33	31	25	23	34	32
U06-104327	32	35	29	28	29	34	32
U06-627094	30	37	26	27	27	32	34

PRELIMINARY TEST I, 2009

PLANT HEIGHT (inches)

Strain	Beemer NE	Cotesfield NE	Phillips NE	Palmyra ONT	St. Hyacinthe Que.	Aurora SD
MN1410 (I)				25	33	34
IA1022 (SCN)				26	29	35
Sheyenne (0)				23	27	25
A08-151002				28	29	31
A08-151011				29	32	34
A08-151015				29	32	35
A08-151020				29	31	37
A08-151024				30	32	34
A08-151027				36	37	40
A08-151030				26	30	32
A08-151031				29	33	38
A08-151033				28	30	32
A08-151034				31	35	37
A08-151041				29	33	35
A08-152001				29	31	36
A08-152033				27	29	33
A08-152035				32	33	39
A08-248002				31	33	37
AR08-186008				23	31	36
AR08-186009				32	37	39
M03-160082				29	32	36
M03-163106				29	31	38
M03-165068				25	28	33
M03-172059				28	27	33
M03-193054				28	28	33
OAC 05-33				27	28	29
OAC 07-48C				26	27	32
OAC 07-49C				28	29	36
SD06-328				25	30	34
SD06-344				28	31	37
SD06-357				27	30	34
SD06-439				27	29	30
SD06-444				27	31	34
SD06-483				32	28	36
U06-104327				32	32	35
U06-627094				27	32	32

PRELIMINARY TEST I, 2009

SEED QUALITY (score)

Strain	Mean 6 Tests	Ames IA	Charles City IA	Lafayette IN	Ingham County MI	Lamberton MN	Waseca MN
MN1410 (I)	1.8			1.0		2.0	1.5
IA1022 (SCN)	1.9			1.0		2.5	2.0
Sheyenne (0)	2.4			2.0		3.0	2.5
A08-151002	1.7			1.0		1.5	1.5
A08-151011	2.0			1.0		2.0	2.0
A08-151015	2.0			1.5		1.5	2.0
A08-151020	1.8			1.0		1.5	1.5
A08-151024	1.3			1.0		1.0	1.0
A08-151027	1.6			1.0		2.0	1.5
A08-151030	1.8			1.5		2.5	1.5
A08-151031	1.8			1.0		2.0	2.0
A08-151033	1.8			1.0		2.0	2.0
A08-151034	1.8			1.0		2.0	1.5
A08-151041	1.6			1.0		2.0	1.5
A08-152001	1.8			1.0		2.5	1.5
A08-152033	2.2			1.0		2.5	1.5
A08-152035	1.8			1.0		2.0	2.0
A08-248002	1.7			1.0		2.0	2.0
AR08-186008	1.6			1.0		2.0	1.5
AR08-186009	1.8			1.0		2.0	2.0
M03-160082	1.8			1.0		2.0	2.0
M03-163106	1.8			1.0		3.0	1.5
M03-165068	1.7			1.0		2.5	1.5
M03-172059	1.7			1.0		2.0	2.0
M03-193054	1.8			1.5		2.0	1.5
OAC 05-33	1.8			1.0		2.0	2.0
OAC 07-48C	2.0			1.5		3.0	2.0
OAC 07-49C	1.9			1.0		2.5	2.0
SD06-328	1.8			1.0		2.5	2.0
SD06-344	2.0			1.0		3.0	2.5
SD06-357	1.8			1.5		1.5	2.5
SD06-439	1.8			1.0		2.0	1.5
SD06-444	1.8			1.0		2.0	2.0
SD06-483	2.1			1.5		3.0	2.5
U06-104327	2.1			1.0		2.0	1.5
U06-627094	1.9			1.0		2.5	1.5

PRELIMINARY TEST I, 2009

SEED QUALITY (score)

Strain	Beemer NE	Cotesfield NE	Phillips NE	Palmyra ONT	St. Hyacinthe Que.	Aurora SD
MN1410 (I)				2.0	2.0	2.0
IA1022 (SCN)				2.0	2.0	2.0
Sheyenne (0)				3.0	2.0	2.0
A08-151002				2.0	2.0	2.0
A08-151011				2.0	3.0	2.0
A08-151015				2.0	2.0	3.0
A08-151020				2.0	3.0	2.0
A08-151024				1.0	2.0	2.0
A08-151027				1.0	2.0	2.0
A08-151030				1.5	2.0	2.0
A08-151031				2.0	2.0	2.0
A08-151033				1.5	2.0	2.0
A08-151034				2.0	2.0	2.0
A08-151041				1.0	2.0	2.0
A08-152001				1.5	2.0	2.0
A08-152033				2.0	3.0	3.0
A08-152035				2.0	2.0	2.0
A08-248002				1.0	2.0	2.0
AR08-186008				1.0	2.0	2.0
AR08-186009				1.5	2.0	2.0
M03-160082				1.5	2.0	2.0
M03-163106				1.5	2.0	2.0
M03-165068				2.0	1.0	2.0
M03-172059				1.0	2.0	2.0
M03-193054				2.0	2.0	2.0
OAC 05-33				1.5	2.0	2.0
OAC 07-48C				1.5	2.0	2.0
OAC 07-49C				2.0	2.0	2.0
SD06-328				1.0	2.0	2.0
SD06-344				1.5	2.0	2.0
SD06-357				1.0	2.0	2.0
SD06-439				2.0	2.0	2.0
SD06-444				2.0	2.0	2.0
SD06-483				1.5	2.0	2.0
U06-104327				2.0	3.0	3.0
U06-627094				1.5	2.0	3.0

PRELIMINARY TEST I, 2009

SEED SIZE (g/100)

Strain	Mean 11 Tests	Ames IA	Charles City IA	Lafayette IN	Ingham County MI	Lamberton MN	Waseca MN
MN1410 (I)	18.3	17.0	18.0	19.0	18.7	18.9	18.0
IA1022 (SCN)	16.8	16.7	16.2	18.4	17.6	18.9	17.8
Sheyenne (0)	17.4	16.8	18.2	18.6	16.8	17.8	17.6
A08-151002	14.1	14.8	13.6	15.0	15.7	14.7	14.1
A08-151011	18.5	18.8	18.1	20.2	20.4	19.5	19.6
A08-151015	19.2	20.1	18.9	20.9	20.1	20.3	19.2
A08-151020	17.3	17.9	17.5	18.4	18.8	20.3	17.8
A08-151024	16.2	16.3	15.7	17.4	17.4	15.8	15.6
A08-151027	16.5	17.4	16.4	17.6	17.8	17.2	16.9
A08-151030	19.3	19.5	19.2	19.5	19.7	21.0	20.5
A08-151031	17.7	17.6	17.0	18.7	18.2	18.3	17.8
A08-151033	19.3	19.6	19.2	20.2	20.0	20.3	19.6
A08-151034	17.2	17.7	17.1	17.7	18.0	18.2	16.8
A08-151041	16.5	17.6	16.1	18.2	17.6	18.3	16.4
A08-152001	15.9	16.2	15.2	17.0	17.4	17.3	15.8
A08-152033	20.0	20.1	20.1	20.2	21.3	21.5	21.7
A08-152035	16.0	12.9	15.8	18.2	16.4	17.9	17.4
A08-248002	15.9	16.2	16.5	16.4	17.1	17.8	16.4
AR08-186008	16.6	16.3	15.9	17.5	17.3	17.8	16.9
AR08-186009	19.5	19.5	19.2	20.9	20.8	21.9	20.4
M03-160082	19.5	18.9	18.6	21.0	20.8	20.7	20.7
M03-163106	16.3	16.2	15.9	18.3	17.2	17.3	16.0
M03-165068	16.5	14.8	16.3	18.9	15.3	16.3	16.5
M03-172059	16.6	16.3	16.8	19.0	16.7	16.8	16.2
M03-193054	18.8	18.1	18.6	21.5	18.8	20.0	20.3
OAC 05-33	19.8	18.7	20.1	20.5	20.0	20.9	22.6
OAC 07-48C	19.7	18.2	19.4	20.1	20.6	20.6	21.5
OAC 07-49C	19.7	18.9	18.9	19.7	20.6	19.8	21.7
SD06-328	17.4	12.9	18.2	18.4	17.4	17.5	19.4
SD06-344	18.9	17.7	18.5	19.6	19.6	19.4	20.2
SD06-357	21.8	20.1	21.1	23.3	22.4	23.6	22.3
SD06-439	19.8	18.4	19.9	21.6	20.6	20.9	20.3
SD06-444	18.5	16.4	18.9	19.4	17.9	18.6	18.8
SD06-483	18.3	16.8	18.1	18.7	17.7	18.5	19.9
U06-104327	16.5	17.0	15.2	18.2	17.1	17.5	17.1
U06-627094	13.3	13.6	12.5	13.9	13.6	13.3	14.3

PRELIMINARY TEST I, 2009

SEED SIZE (g/100)

Strain	Beemer NE	Cotesfield NE	Phillips NE	Palmyra ONT	St. Hyacinthe Que.	Aurora SD
MN1410 (I)		20.9	20.3	21.8	13.3	15.1
IA1022 (SCN)		17.4	17.2	17.9	12.7	13.7
Sheyenne (0)		19.1	18.7	19.6	13.9	14.1
A08-151002		16.6	14.9	14.7	10.8	10.7
A08-151011		20.8	19.4	18.8	13.7	14.7
A08-151015		21.4	20.0	18.9	15.6	16.2
A08-151020		18.4	16.5	17.0	14.8	13.3
A08-151024		18.7	17.8	18.0	13.4	12.3
A08-151027		17.6	17.0	16.9	12.9	13.5
A08-151030		21.9	21.6	18.8	14.6	16.0
A08-151031		19.5	20.3	18.1	13.9	15.0
A08-151033		22.5	20.3	20.0	15.3	15.2
A08-151034		18.6	18.4	17.6	13.4	15.6
A08-151041		18.0	16.5	16.7	13.5	13.1
A08-152001		17.5	16.5	16.5	12.4	13.3
A08-152033		22.3	19.9	20.8	15.6	16.7
A08-152035		18.0	17.0	17.5	12.6	12.6
A08-248002		17.2	14.8	16.0	12.8	13.8
AR08-186008		18.2	17.1	18.7	13.1	13.8
AR08-186009		20.5	21.2	21.2	15.2	14.3
M03-160082		21.5	20.6	21.7	14.7	15.4
M03-163106		18.3	17.5	18.5	12.1	12.2
M03-165068		18.2	17.2	21.5	12.9	13.2
M03-172059		19.1	17.5	17.7	12.5	13.6
M03-193054		20.4	19.4	20.8	14.4	14.9
OAC 05-33		19.5	19.7	22.5	16.4	17.1
OAC 07-48C		21.3	20.2	22.4	16.1	16.2
OAC 07-49C		20.4	19.9	23.6	16.7	16.2
SD06-328		19.7	19.3	19.2	14.7	15.0
SD06-344		19.4	21.0	21.5	15.8	15.2
SD06-357		23.2	23.3	25.2	17.8	17.0
SD06-439		21.0	21.2	21.9	15.7	16.0
SD06-444		20.2	20.5	22.6	14.8	15.2
SD06-483		20.5	20.7	21.4	14.8	14.0
U06-104327		19.1	17.7	17.7	12.6	12.3
U06-627094		14.8	15.2	12.9	10.4	11.4

PRELIMINARY TEST I, 2009

PROTEIN (%)

Strain	Mean 8 Tests	Charles City IA	Lafayette IN	Lamberton MN	Waseca MN	Ingham County MI	Phillips NE	Aurora SD	Palmyra ONT
MN1410 (I)	35.9	35.1	34.3	35.8	34.6	36.4	36.7	35.1	38.9
IA1022 (SCN)	34.1	35.7	32.9	33.7	34.3	33.3	33.5	34.8	34.9
Shenandoah (O)	35.2	34.8	34.3	35.2		35.0	34.9	34.6	37.2
A08-151002	34.3	34.3	33.4	34.6	32.9	34.8	34.7	34.3	35.6
A08-151011	34.7	34.1	34.2	35.4	33.8	35.1	34.9	34.5	35.8
A08-151015	34.8	34.1	34.6	34.3	33.9	35.5	35.5	35.3	35.2
A08-151020	35.2	35.4	34.5	34.3	34.9	35.3	35.5	35.0	36.5
A08-151024	35.4	35.3	34.0	34.4		35.7	35.7	35.9	36.8
A08-151027	35.2	35.8	33.9	35.7	33.7	35.9	35.9	34.5	36.1
A08-151030	35.1	35.5	34.0	34.1	34.8	35.6	36.0	34.4	36.2
A08-151031	34.6	33.9	33.7	34.3	33.8	35.3	35.5	33.7	36.8
A08-151033	35.0	35.4	34.0	35.0	34.5	34.6	35.3	35.2	35.9
A08-151034	35.2	35.0	34.0	35.4	34.0	36.1	36.1	34.1	36.5
A08-151041	35.2	34.6	35.2	35.7	33.2	35.6	35.5	35.3	36.7
A08-152001	34.3	33.3	32.6	34.4	33.1	35.3	35.0	34.4	36.1
A08-152033	35.3	34.4	34.3	35.9	34.3	36.0	36.2	35.4	35.8
A08-152035	35.6	35.7	34.8	35.8	34.6	36.3	35.9	35.2	36.5
A08-248002	34.7	34.5	34.9	34.6	33.6	35.1	36.0	33.5	35.4
AR08-186008	35.5	35.2	35.6	35.3	34.6	35.9	35.6	34.9	37.1
AR08-186009	35.4	35.8	34.9	35.3	33.5	36.1	36.5	35.0	36.4
M03-160082	34.9	34.6	34.6	34.7	34.1	35.5	34.6	34.4	36.6
M03-163106	34.7	35.1	34.2	34.3	33.8	35.0	34.9	34.0	36.5
M03-165068	34.8	34.8	34.0	35.0	33.2	35.1	34.2	35.5	36.5
M03-172059	34.5	34.3	33.4	34.4	34.2	35.0	34.0	34.9	35.8
M03-193054	34.8	34.9	34.3	35.2	33.9	35.5	34.3	34.8	35.7
OAC 05-33	35.7	36.2	34.2	35.8	34.9	36.3	36.0	35.0	37.5
OAC 07-48C	33.2	31.7	33.5	32.3	31.9	34.3	33.7	33.2	35.0
OAC 07-49C	33.7	32.8	31.9	33.2	32.4	34.5	34.8	33.8	35.9
SD06-328	35.0	34.9	34.7	34.1	34.8	35.8	35.3	34.4	35.8
SD06-344	34.8	34.5	34.2	34.4	34.2	35.4	36.1	34.1	35.8
SD06-357	34.6	33.4	33.9	33.5	34.0	35.0	35.7	35.1	36.1
SD06-439	35.6	35.1	34.8	35.4	34.6	36.2	35.4	35.5	37.6
SD06-444	35.5	35.4	34.5	34.9	34.4	35.2	36.3	34.9	38.5
SD06-483	34.3	33.1	33.5	33.7	34.2	35.1	35.2	34.4	35.5
U06-104327	34.9	34.7	34.2	33.1	32.5	35.9	35.7	35.8	37.3
U06-627094	33.1	32.1	32.6	33.2	32.1	33.5	34.5	32.6	34.2

* Protein and Oil values converted to 13% moisture basis.

PRELIMINARY TEST I, 2009

OIL (%)

Strain	Mean 8 Tests	Charles City IA	Lafayette IN	Lamberton MN	Waseca MN	Ingham County MI	Phillips NE	Aurora SD	Palmyra ONT
MN1410 (I)	17.8	18.2	18.0	18.0	18.2	16.9	17.6	18.2	17.6
IA1022 (SCN)	18.9	19.6	19.0	19.0	18.8	18.4	19.3	17.7	19.5
Shenandoah (O)	17.9	17.9	18.0	18.2		17.1	18.3	17.6	17.8
A08-151002	17.3	16.9	17.8	17.6	17.7	16.4	17.9	16.9	17.1
A08-151011	17.5	17.3	17.6	17.1	18.1	16.2	17.7	17.4	18.3
A08-151015	17.4	16.9	17.8	16.9	17.2	16.4	17.6	17.2	18.8
A08-151020	17.4	17.2	17.3	17.7	17.1	16.6	18.3	17.4	17.5
A08-151024	17.7	17.5	17.7	17.8		17.1	18.5	17.7	17.7
A08-151027	17.3	17.9	17.7	18.2	17.0	16.1	16.7	17.7	17.0
A08-151030	17.6	16.9	17.9	18.1	17.5	16.7	18.3	17.5	17.7
A08-151031	17.3	17.3	17.3	17.9	17.4	16.3	17.6	17.6	17.3
A08-151033	17.8	17.9	17.8	17.8	17.9	16.6	17.9	17.8	18.3
A08-151034	17.1	16.5	17.7	17.4	17.0	16.3	16.9	16.7	18.0
A08-151041	17.6	17.4	18.2	17.6	17.4	16.3	18.5	17.3	18.4
A08-152001	17.6	17.7	17.8	17.2	17.8	16.6	18.6	17.7	17.7
A08-152033	17.1	17.2	17.0	17.0	16.9	15.7	17.4	17.7	18.3
A08-152035	17.7	17.6	17.7	18.1	17.7	16.7	18.5	17.4	18.1
A08-248002	17.3	16.7	17.2	17.5	17.3	16.2	17.8	17.5	18.0
AR08-186008	17.6	18.3	17.5	17.6	17.6	17.1	18.0	17.4	17.6
AR08-186009	17.3	16.4	17.7	17.0	17.0	17.5	17.5	17.4	17.8
M03-160082	18.2	18.2	17.9	18.4	17.8	17.4	18.3	18.7	18.7
M03-163106	18.0	18.3	17.9	18.1	18.1	17.3	18.5	17.7	18.0
M03-165068	18.0	18.1	18.0	18.4	17.7	16.8	18.8	18.0	18.1
M03-172059	18.1	18.1	18.0	17.9	17.7	17.8	18.7	17.9	18.9
M03-193054	18.4	18.8	17.9	18.5	18.3	17.6	18.8	17.9	19.2
OAC 05-33	18.1	18.0	18.1	18.6	17.5	17.0	18.3	18.4	18.8
OAC 07-48C	18.5	18.7	18.8	18.4	19.0	17.7	18.0	18.5	19.3
OAC 07-49C	18.1	17.9	18.4	18.4	17.6	17.2	18.5	18.2	18.4
SD06-328	18.6	18.5	18.9	19.2	18.1	17.6	18.6	18.5	19.6
SD06-344	18.2	18.7	18.0	18.6	17.6	17.5	18.5	18.0	18.9
SD06-357	19.1	19.8	19.2	19.7	18.1	18.1	19.1	18.5	20.0
SD06-439	18.6	18.9	18.3	19.4	18.5	17.5	19.2	17.9	19.4
SD06-444	18.7	18.4	19.3	19.1	18.2	18.5	19.0	18.1	18.8
SD06-483	18.5	18.9	18.8	19.1	17.6	17.6	18.5	18.2	19.1
U06-104327	17.8	17.6	18.8	18.8	18.1	15.9	18.2	17.7	17.6
U06-627094	18.0	18.1	18.3	18.7	17.8	16.8	18.5	18.0	18.1

Uniform Test II, 2009

Ent.	Strain	Parentage	Seed Source	Previous Testing	Gen. Comp.	Unique Traits
1.	IA2094 (II)	AgriPro X0121B74 x A00-711036	Fehr	1	F4	
2.	IA1022 (SCN)	Dairyland 98822 x A00-711024	Fehr	1	F5	SCN
3.	IA3024	A97-553017 x Pioneer YB33A99	Fehr	2		1% linolenic
4.	A06-712007	Dairyland 99630 x A02-237015	Fehr	1	F4	
5.	A06-712040	IA2068 x Pioneer 91M10	Fehr	1	F4	SCN
6.	A07-427027	A02-136021 x Dairyland 99733	Fehr	PTI	F4	
7.	A07-427030	A02-136027 x Dairyland 99669	Fehr	PTI	F4	
8.	A07-527026	Dairyland 99627 x Pioneer 91M10	Fehr	PTIIA	F4	
9.	A07-626002	A02-136030 x Dairyland 99540	Fehr	PTIIA	F4	
10.	A07-626004	A02-136030 x Dairyland 99540	Fehr	PTIIA	F4	
11.	A07-626010	IA1021 x Dairyland 99820-33	Fehr	PTIIA	F4	
12.	AR07-176037	AR02-101001 x Soy04-11	Cianzio	PTI	F4	BSR
13.	AR07-276022	AR02-101001 x Soy04-11	Cianzio	PTIIB	F4	BSR
14.	AR07-276048	G03-1 x Ag03-6	Cianzio	PTIIB	F4	
15.	E06381	K1459 x LG97-8984	Wang	PTIIA	F5	
16.	U05-719005	UP2YC3S3:4	Graef	PTIIB	F4	

UNIFORM TEST II, 2009

DESCRIPTIVE AND DISEASE DATA

Strain	Descriptive Code	<u>Chlorosis</u>		<u>Shattering</u>	<u>Green Stem</u>
		Score		Score	Score
		Humboldt IA	Lake Lillian MN	Ashland KS	Harow Ont.
IA2094 (II)	PTTSYYI	3.9	2.5	1.0	1.0
IA1022 (SCN)	PGTIYYI	3.3	3.0	1.0	1.0
IA3024	PGTDYIbI	3.0	3.0	1.0	1.0
A06-712007	WGBDYI	3.9	4.0	1.0	1.0
A06-712040	PGBDYI	3.1	2.5	1.0	1.0
A07-427027	PGBDYI	3.1	3.0	2.0	1.0
A07-427030	WLtTDYI	3.0	3.5	1.0	1.0
A07-527026	P+WGBDYI	3.4	3.0	1.0	1.0
A07-626002	WGTDYI	3.3	4.0	1.0	1.0
A07-626004	WGTDYI	3.4	3.5	1.0	1.0
A07-626010	PLtBDYBrI	3.8	3.5	1.0	1.0
AR07-176037	WTBDYBrI	3.1	3.0	1.0	1.0
AR07-276022	WTBDYBr+BLI	4.0	3.5	1.0	1.0
AR07-276048	PGTDYIbI	3.0	3.0	1.0	1.0
E06381	P+WGBDYIb+BfI	3.9	4.0	1.0	1.0
U05-719005	PLtBIYBII	4.3	2.5	1.0	1.0

UNIFORM TEST II, 2009

DESCRIPTIVE AND DISEASE DATA

Strain	<u>Green Stem</u>	<u>PR</u>		<u>FE</u>	<u>SDS</u>
	Score	Lafayette		Laf.	DX
	Lafayette	Race	Race	a	Havana
	IN	4	7	rx.	IL
IA2094 (II)	1.0	S	S	S	5
IA1022 (SCN)	1.0	S	S	S	9
IA3024	1.0	R*	R*	S	32
A06-712007	1.0	S	S	S	1
A06-712040	1.0	S	S	S	18
A07-427027	1.0	S	S	S	11
A07-427030	1.0	S	H*	S	11
A07-527026	1.0	S	S	S	16
A07-626002	1.0	S	S	S	20
A07-626004	1.0	S	S	S	23
A07-626010	1.0	S	S	S	8
AR07-176037	1.0	H*	H*	S	2
AR07-276022	1.0	R*	R*	S	13
AR07-276048	1.0	R*	R*	S	30
E06381	1.0	S	S	S	18
U05-719005	1.0	S	S	S	6

PR: * = *P. sojae* inoc. Reaction NOT compatible with breeder's information about *Rps* Trait

FE: S = susceptible, - = lesions not detected, x = no data

UNIFORM TEST II, 2009

REGIONAL SUMMARY

No. of Tests Strain	Yield	Rank	Maturity	Lodging	Plant Height	Seed Quality	Seed Size	Composition	
	19 bu/a	19 No.	17 Date	17 Score	16 In.	12 Score	18 g/100	Protein 14 %	Oil 14 %
IA2094 (II)	62.8	7	9/22	1.3	32	1.5	17.4	34.2	17.9
IA1022 (SCN)	57.0	15	-4.1	1.3	29	1.5	16.7	33.2	19.4
IA3024	64.7	4	4.4	1.2	33	1.3	17.8	32.3	18.2
A06-712007	59.9	12	-2.2	1.3	30	1.2	15.9	34.3	17.8
A06-712040	56.8	16	-3.0	1.1	29	1.5	15.1	33.9	18.2
A07-427027	58.2	13	-3.6	1.2	29	1.5	16.9	34.0	18.0
A07-427030	57.6	14	-2.1	1.5	33	1.4	15.1	34.5	17.6
A07-527026	61.9	9	1.1	1.2	30	1.2	17.8	34.6	18.5
A07-626002	65.3	2	3.3	1.2	32	1.3	15.9	33.6	18.1
A07-626004	64.0	5	3.4	1.2	31	1.2	16.3	33.2	18.0
A07-626010	66.7	1	4.9	1.4	34	1.6	18.1	33.3	18.2
AR07-176037	61.9	9	1.1	1.1	28	1.2	18.4	34.8	17.4
AR07-276022	65.1	3	3.2	1.1	29	1.6	17.1	33.8	17.9
AR07-276048	60.0	11	1.7	1.2	30	1.1	16.4	34.4	18.0
E06381	62.7	8	5.4	1.4	35	1.6	15.8	32.6	18.2
U05-719005	62.9	6	2.1	1.2	36	1.3	16.4	34.0	17.5

126.2 Days After Planting

UNIFORM TEST II, 2009

2008-2009 2-YEAR MEAN

No. of Tests Strain	Yield	Rank	Maturity	Lodging	Plant Height	Seed Quality	Seed Size	Composition	
	36 bu/a	36 No.	32 Date	33 Score	31 In.	23 Score	35 g/100	Protein 25 %	Oil 25 %
IA2094 (II)	60.4	2	9/20	1.4	31	1.4	16.1	34.5	18.3
IA1022 (SCN)	55.1	5	-4.6	1.3	28	1.4	15.6	33.0	19.7
IA3024	61.5	1	5.3	1.2	31	1.4	16.4	32.3	18.6
A06-712007	58.0	3	-2.5	1.3	29	1.3	14.8	34.4	18.0
A06-712040	56.0	4	-3.0	1.1	28	1.6	14.1	33.9	18.5

124.5 Days After Planting

UNIFORM TEST II, 2009

YIELD (bu/a)

Strain	Mean	Ames IA	Rippey IA	Burkey	Dekalb IL	Urbana IL	Lafayette IN	Wanatah IN	Ingham	Lenawee	Lamberton MN
	19 Tests			Farms IA					County MI	County MI	
IA2094 (II)	62.8	60.0	41.3	64.5	61.6	67.9	47.8	48.3	67.3	61.4	65.0
IA1022 (SCN)	57.0	59.1	41.1	62.6	53.5	55.3	43.2	40.5	52.9	56.8	58.9
IA3024	64.7	65.3	51.3	61.6	56.7	68.6	51.5	51.3	64.2	59.3	68.3
A06-712007	59.9	57.6	43.1	63.6	54.7	66.8	49.8	45.3	64.4	60.9	58.6
A06-712040	56.8	63.4	44.4	63.4	53.4	61.9	45.9	47.1	54.5	61.8	57.2
A07-427027	58.2	58.1	54.6	59.9	52.4	58.1	48.1	40.3	58.4	59.2	60.9
A07-427030	57.6	57.2	43.8	58.1	54.5	59.4	46.1	42.9	55.2	60.1	57.1
A07-527026	61.9	59.4	43.5	58.0	57.6	69.8	47.9	44.7	63.1	64.0	74.4
A07-626002	65.3	69.0	57.0	61.3	61.9	69.3	53.0	51.3	65.4	62.3	66.4
A07-626004	64.0	60.6	57.2	67.6	60.5	69.0	55.0	49.6	65.9	63.3	70.9
A07-626010	66.7	65.7	49.0	60.6	61.3	72.1	55.0	50.5	67.1	70.3	71.7
AR07-176037	61.9	63.3	50.6	63.0	57.9	67.6	50.8	48.5	63.3	61.0	62.0
AR07-276022	65.1	67.5	54.8	63.5	59.9	73.5	56.3	55.3	67.1	69.1	61.3
AR07-276048	60.0	60.5	50.4	57.1	55.9	59.8	50.2	49.1	63.6	62.3	55.4
E06381	62.7	61.3	56.1	56.1	60.2	71.7	56.9	56.8	64.7	53.4	63.5
U05-719005	62.9	65.7	51.2	63.1	58.6	73.6	51.4	49.4	59.2	60.6	76.9
Location Mean		62.1	49.3	61.5	57.5	66.5	50.6	48.2	62.3	61.6	64.3
C.V. (%)		8.9	11.9	7.2	4.5	6.7	4.6	5.6	7.1	6.0	11.9
L.S.D. (5%)		11.8	12.5	9.4	3.3	9.4	3.8	4.5	7.8	6.5	12.7
Row Sp. (In.)		27	27	30	4	30	30	30	15	15	10
Rows/Plot		4	4	4	4	4	4	4	6	6	10
Reps		2	2	2	2	2	3	3	2	2	3

*Data not included in mean.

UNIFORM TEST II, 2009

YIELD (bu/a)

Strain	Waseca MN	Beemer NE	Cotesfield NE	Phillips NE	Hoytville OH	Wooster OH	Chatham ONT	Harrow ONT	Aurora SD
IA2094 (II)	57.6	67.0	87.3	79.4	57.7	49.5	68.3	90.0	52.3
IA1022 (SCN)	51.0	66.5	79.7	78.8	49.8	37.9	58.6	83.3	53.4
IA3024	59.2	68.1	93.7	94.7	61.0	59.0	63.6	87.4	43.7
A06-712007	52.1	64.4	83.4	76.0	60.3	49.9	56.0	85.6	46.2
A06-712040	46.6	61.5	71.7	69.8	53.4	36.1	59.0	84.9	43.8
A07-427027	51.1	63.5	85.4	80.7	52.8	40.4	58.3	84.9	38.2
A07-427030	55.1	59.0	82.8	78.1	52.6	47.5	61.0	83.0	40.9
A07-527026	60.7	68.8	85.5	81.4	61.6	50.6	61.6	82.6	40.3
A07-626002	61.2	71.6	86.9	87.7	60.9	55.1	60.3	92.1	47.1
A07-626004	60.5	67.1	92.1	84.3	57.6	46.4	57.3	88.6	42.5
A07-626010	60.7	72.9	92.8	84.2	62.6	65.0	68.0	90.3	47.8
AR07-176037	56.2	59.3	86.5	86.3	57.8	51.9	62.0	88.2	40.5
AR07-276022	59.9	66.9	90.2	79.2	59.9	53.6	67.6	92.7	37.9
AR07-276048	53.6	56.1	85.8	82.5	58.1	49.4	62.0	90.6	37.7
E06381	58.1	68.4	81.5	89.5	59.2	47.5	58.3	87.6	40.3
U05-719005	61.8	58.3	91.3	77.7	57.3	48.0	68.6	85.5	37.1
Location Mean	56.6	65.0	86.0	81.9	57.7	49.2	61.9	87.3	43.1
C.V. (%)	12.5	5.2	3.4	4.2	4.8	14.7	7.1	3.2	7.2
L.S.D. (5%)	11.8	8.4	7.1	8.5	4.7	12.0	6.1	3.7	5.2
Row Sp. (In.)	10	30	7	30	7.5	7.5	17	18	30
Rows/Plot	10	4	4	4	8	8	5	5	4
Reps	3	2	2	2	3	3	3	3	3

UNIFORM TEST II, 2009

YIELD RANK

Strain	Yield Rank	Ames IA	Rippey IA	Burkey			Lafayette IN	Wanatah IN	Ingham	Lenawee	Lamberton MN
				Farms IA	Dekalb IL	Urbana IL			County MI	County MI	
IA2094 (II)	7	11	15	2	2	9	13	10	1	8	7
IA1022 (SCN)	15	13	16	8	14	16	16	15	16	15	12
IA3024	4	5	6	9	10	8	6	3	8	13	5
A06-712007	12	15	14	3	12	11	10	12	7	10	13
A06-712040	16	6	11	5	15	12	15	11	15	7	14
A07-427027	13	14	5	12	16	15	11	16	13	14	11
A07-427030	14	16	12	13	13	14	14	14	14	12	15
A07-527026	9	12	13	14	9	5	12	13	11	3	2
A07-626002	2	1	2	10	1	6	5	3	5	5	6
A07-626004	5	9	1	1	4	7	3	6	4	4	4
A07-626010	1	3	10	11	3	3	3	5	2	1	3
AR07-176037	9	7	8	7	8	10	8	9	10	9	9
AR07-276022	3	2	4	4	6	2	2	2	3	2	10
AR07-276048	11	10	9	15	11	13	9	8	9	6	16
E06381	8	8	3	16	5	4	1	1	6	16	8
U05-719005	6	3	7	6	7	1	7	7	12	11	1

UNIFORM TEST II, 2009

YIELD RANK

Strain	Waseca MN	Beemer NE	Cotesfield NE	Phillips NE	Hoytville OH	Wooster OH	Chatham ONT	Harrow ONT	Aurora SD
IA2094 (II)	9	7	6	10	10	8	2	5	2
IA1022 (SCN)	15	9	15	12	16	14	12	14	1
IA3024	7	5	1	1	3	2	5	9	7
A06-712007	13	10	12	15	5	7	16	10	5
A06-712040	16	12	16	16	13	15	11	12	6
A07-427027	14	11	11	9	14	13	14	12	13
A07-427030	11	14	13	13	15	11	9	15	9
A07-527026	3	3	10	8	2	6	8	16	12
A07-626002	2	2	7	3	4	3	10	2	4
A07-626004	5	6	3	5	11	12	15	6	8
A07-626010	3	1	2	6	1	1	3	4	3
AR07-176037	10	13	8	4	9	5	7	7	10
AR07-276022	6	8	5	11	6	4	4	1	14
AR07-276048	12	16	9	7	8	9	6	3	15
E06381	8	4	14	2	7	11	13	8	11
U05-719005	1	15	4	14	12	10	1	11	16

UNIFORM TEST II, 2009

MATURITY (date)

Strain	Mean	Ames IA	Rippey IA	Burkey			Lafayette IN	Wanatah IN	Ingham	Lenawee	Lamberton MN
	17 Tests			Farms IA	Dekalb IL	Urbana IL			County MI	County MI	
IA2094 (II)	9/22	9/19		9/20	10/6	9/16	9/18	9/16	9/28	9/17	9/25
IA1022 (SCN)	-4.1	-4		-1	-6	-4	-5	-3	-5	-4	-4
IA3024	4.4	5		7	4	2	5	5	0	3	6
A06-712007	-2.2	-4		-2	0	-2	-2	-3	-1	-2	-3
A06-712040	-3.0	-2		1	-1	0	-2	-3	-4	-3	-4
A07-427027	-3.6	-2		-2	-5	-5	-2	-3	-5	-4	-4
A07-427030	-2.1	-3		0	0	-3	-4	-2	-1	-2	-3
A07-527026	1.1	1		5	5	0	2	1	0	-2	3
A07-626002	3.3	4		5	5	1	4	5	2	2	5
A07-626004	3.4	3		6	6	2	4	4	2	1	4
A07-626010	4.9	4		7	7	6	6	5	5	5	3
AR07-176037	1.1	2		3	2	0	3	0	2	-2	-1
AR07-276022	3.2	3		4	5	5	6	5	3	2	2
AR07-276048	1.7	2		5	3	-1	2	-2	1	-1	4
E06381	5.4	4		7	8	8	7	6	3	4	3
U05-719005	2.1	2		3	4	4	1	2	1	1	2
Date Planted	5/18	5/8	5/21	5/20	6/7	5/23	5/26	5/19	5/20	5/13	5/7
Days to Mature	126	134		123	121	116	115	120	131	127	141

UNIFORM TEST II, 2009

MATURITY (date)

Strain	Waseca MN	Beemer NE	Cotesfield NE	Phillips NE	Hoytville OH	Wooster OH	Chatham ONT	Harrow ONT	Aurora SD
IA2094 (II)	9/23		9/29	9/24	9/11	9/14	9/24	9/24	10/1
IA1022 (SCN)	-3		0	-5	-2	-5	-4	-8	-8
IA3024	5		8	6	2	4	4	1	8
A06-712007	0		0	-6	-1	0	-2	-5	-5
A06-712040	0		-2	-6	-2	-4	-4	-6	-8
A07-427027	-1		-1	-4	-2	-4	-3	-7	-7
A07-427030	-1		1	-4	-2	-2	-2	-4	-4
A07-527026	2		3	2	2	-1	1	-3	-1
A07-626002	4		6	4	2	2	3	4	-1
A07-626004	4		7	5	2	2	2	-1	4
A07-626010	3		11	6	2	5	4	0	4
AR07-176037	2		1	0	0	0	1	-2	8
AR07-276022	2		4	2	1	5	4	2	-1
AR07-276048	2		5	2	2	2	2	1	0
E06381	5		11	7	2	3	2	2	9
U05-719005	2		3	1	3	1	3	-2	4
Date Planted	5/11	5/28	5/19	5/18	5/12	5/6	5/25	5/29	5/15
Days to Mature	135		133	129	122	131	122	118	139

UNIFORM TEST II, 2009

LODGING (score)

Strain	Mean	Ames IA	Rippey IA	Burkey	Dekalb IL	Urbana IL	Lafayette IN	Wanatah IN	Ingham	Lenawee	Lamberton MN
	17 Tests			Farms IA					County MI	County MI	
IA2094 (II)	1.3	1.5	1.3	1.5	1.0	1.5	1.0	1.0	1.5	1.0	1.3
IA1022 (SCN)	1.3	1.8	1.0	1.8	1.3	1.8	1.0	1.0	1.0	1.0	1.7
IA3024	1.2	1.3	1.3	1.5	1.0	1.3	1.0	1.0	1.0	1.0	1.7
A06-712007	1.3	1.3	1.8	1.8	1.3	1.3	1.0	1.0	2.0	1.0	2.0
A06-712040	1.1	1.0	1.0	1.3	1.0	1.3	1.0	1.0	1.0	1.0	1.0
A07-427027	1.2	1.0	1.5	1.3	1.0	1.3	1.0	1.0	1.0	1.0	1.7
A07-427030	1.5	2.0	1.5	1.8	1.5	2.3	1.0	1.0	1.5	1.0	2.0
A07-527026	1.2	1.0	1.3	1.5	1.3	1.5	1.0	1.0	1.5	1.0	2.0
A07-626002	1.2	1.3	1.5	1.0	1.0	2.0	1.0	1.0	1.0	1.0	1.7
A07-626004	1.2	1.3	1.5	1.3	1.0	1.8	1.0	1.0	2.0	1.0	1.3
A07-626010	1.4	1.5	1.5	1.5	1.3	1.5	1.0	1.0	2.0	1.5	1.7
AR07-176037	1.1	1.0	1.3	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
AR07-276022	1.1	1.3	1.0	1.3	1.0	1.0	1.0	1.0	1.0	1.0	1.0
AR07-276048	1.2	1.3	1.5	1.5	1.0	1.3	1.0	1.0	1.5	1.0	1.3
E06381	1.4	1.3	1.5	1.5	1.0	2.0	1.0	1.0	2.0	1.5	2.0
U05-719005	1.2	1.5	1.5	1.5	1.0	1.8	1.0	1.0	1.5	1.0	1.3

UNIFORM TEST II, 2009

LODGING (score)

Strain	Waseca MN	Beemer NE	Cotesfield NE	Phillips NE	Hoytville OH	Wooster OH	Chatham ONT	Harrow ONT	Aurora SD
IA2094 (II)	2.0			1.0	1.0	1.0	1.0	1.0	2.0
IA1022 (SCN)	2.0			1.0	1.0	1.0	1.0	1.0	2.0
IA3024	2.0			1.0	1.0	1.0	1.0	1.3	1.0
A06-712007	2.0			1.0	1.0	1.0	1.0	1.0	1.0
A06-712040	2.0			1.0	1.0	1.0	1.0	1.0	1.0
A07-427027	2.0			1.0	1.0	1.0	1.0	1.0	1.0
A07-427030	2.0			2.0	1.0	1.0	1.0	1.3	2.0
A07-527026	2.0			1.0	1.0	1.0	1.0	1.0	1.0
A07-626002	2.0			1.0	1.0	1.0	1.0	1.0	1.0
A07-626004	2.0			1.0	1.0	1.0	1.0	1.0	1.0
A07-626010	2.0			1.5	1.0	1.0	1.0	1.0	2.0
AR07-176037	2.0			1.0	1.0	1.0	1.0	1.0	1.0
AR07-276022	2.0			1.0	1.0	1.0	1.0	1.0	1.0
AR07-276048	2.0			1.0	1.0	1.0	1.0	1.0	1.0
E06381	2.0			1.0	1.0	1.0	1.0	1.3	2.0
U05-719005	2.0			1.0	1.0	1.0	1.0	1.0	1.0

UNIFORM TEST II, 2009

PLANT HEIGHT (inches)

Strain	Mean	Ames IA	Rippey IA	Burkey			Urbana IL	Lafayette IN	Wanatah IN	Ingham	Lenawee	Lamberton MN
	16 Tests			County MI	County MI							
IA2094 (II)	32	30	28	32	33	35	29	32	35	30	35	
IA1022 (SCN)	29	32	26	33	33	31	25	29	26	28	31	
IA3024	33	36	32	34	35	33	31	32	26	34	38	
A06-712007	30	31	28	30	32	30	28	29	29	29	34	
A06-712040	29	31	26	30	29	31	27	28	28	29	33	
A07-427027	29	28	28	28	32	30	29	28	31	26	34	
A07-427030	33	39	32	34	34	33	31	32	31	32	38	
A07-527026	30	31	26	29	30	36	29	30	30	29	33	
A07-626002	32	35	29	31	32	31	29	30	31	32	36	
A07-626004	31	31	31	31	32	33	29	30	30	30	36	
A07-626010	34	34	33	36	34	36	31	32	35	34	36	
AR07-176037	28	28	26	29	30	29	26	26	27	28	31	
AR07-276022	29	28	27	29	30	30	28	28	29	27	31	
AR07-276048	30	33	28	29	31	32	28	28	32	30	33	
E06381	35	36	32	34	36	36	33	33	33	36	41	
U05-719005	36	37	32	38	37	37	33	34	32	36	41	

UNIFORM TEST II, 2009

PLANT HEIGHT (inches)

Strain	Waseca MN	Beemer NE	Cotesfield NE	Phillips NE	Hoytville OH	Wooster OH	Chatham ONT	Harrow ONT	Aurora SD
IA2094 (II)	31				25	23	34	35	40
IA1022 (SCN)	28				20	19	31	30	37
IA3024	33				27	25	39	37	35
A06-712007	29				24	25	32	30	35
A06-712040	26				23	21	30	31	35
A07-427027	27				23	19	29	32	34
A07-427030	33				26	25	37	36	37
A07-527026	31				23	25	35	30	35
A07-626002	33				27	24	33	34	38
A07-626004	33				25	23	34	34	32
A07-626010	34				30	27	37	38	41
AR07-176037	26				21	23	33	32	33
AR07-276022	29				24	23	31	33	34
AR07-276048	30				26	25	33	33	33
E06381	35				31	28	35	40	36
U05-719005	37				28	29	39	40	43

UNIFORM TEST II, 2009

SEED QUALITY (score)

Strain	Mean 12 Tests	Ames IA	Rippey IA	Burkey			Lafayette IN	Wanatah IN	Ingham	Lenawee	Lamberton MN
				Farms IA	Dekalb IL	Urbana IL			County MI	County MI	
IA2094 (II)	1.5			3.0	1.0	1.0	1.0	1.0			2.5
IA1022 (SCN)	1.5			2.0	2.0	2.0	1.0	1.0			1.5
IA3024	1.3			2.0	2.0	1.0	1.0	1.0			1.0
A06-712007	1.2			2.0	1.0	1.0	1.0	1.0			1.0
A06-712040	1.5			2.0	2.0	2.0	1.0	1.0			2.0
A07-427027	1.5			2.0	1.0	2.0	1.0	1.0			1.5
A07-427030	1.4			2.0	1.0	1.0	1.0	1.0			2.0
A07-527026	1.2			2.0	1.0	1.0	1.0	1.0			1.5
A07-626002	1.3			2.0	2.0	1.0	1.0	1.0			1.0
A07-626004	1.2			1.0	2.0	1.0	1.0	1.0			1.0
A07-626010	1.6			2.0	3.0	1.0	1.0	1.0			1.5
AR07-176037	1.2			1.0	1.0	1.0	1.0	1.0			1.5
AR07-276022	1.6			2.0	3.0	1.0	1.0	1.0			2.0
AR07-276048	1.1			1.0	1.0	1.0	1.0	1.0			1.0
E06381	1.6			2.0	2.0	1.0	1.0	1.0			1.5
U05-719005	1.3			2.0	2.0	1.0	1.0	1.0			1.0

UNIFORM TEST II, 2009

SEED QUALITY (score)

Strain	Waseca MN	Beemer NE	Cotesfield NE	Phillips NE	Hoytville OH	Wooster OH	Chatham ONT	Harrow ONT	Aurora SD
IA2094 (II)	1.0				2.0	1.0	1.3	1.0	2.0
IA1022 (SCN)	1.0				2.0	1.0	1.3	1.0	2.0
IA3024	1.0				1.0	1.0	1.3	1.0	2.0
A06-712007	1.5				1.0	1.0	1.3	1.0	2.0
A06-712040	1.0				1.0	1.0	1.6	1.0	2.0
A07-427027	1.0				2.5	1.0	1.6	1.0	2.0
A07-427030	1.5				1.0	1.0	1.6	1.0	3.0
A07-527026	1.0				1.0	1.0	1.3	1.0	2.0
A07-626002	1.0				1.0	1.0	1.6	1.0	2.0
A07-626004	1.0				1.0	1.0	1.3	1.0	2.0
A07-626010	1.5				1.0	1.0	1.6	1.0	4.0
AR07-176037	1.0				1.0	1.0	1.3	1.0	2.0
AR07-276022	1.5				2.0	1.0	1.3	1.0	2.0
AR07-276048	1.0				1.0	1.0	1.6	1.0	2.0
E06381	1.0				2.0	1.0	1.3	1.0	4.0
U05-719005	1.5				1.0	1.0	1.0	1.0	2.0

UNIFORM TEST II, 2009

SEED SIZE (g/100)

Strain	Mean	Ames IA	Rippey IA	Burkey	Dekalb IL	Urbana IL	Lafayette IN	Wanatah IN	Ingham	Lenawee	Lamberton MN
	18 Tests			Farms IA					County MI	County MI	
IA2094 (II)	17.4	17.1	16.9	17.8	18.3	16.5	18.2	16.5	17.5	17.7	17.1
IA1022 (SCN)	16.7	15.9	15.6	16.0	17.8	16.7	18.5	15.7	16.2	17.5	17.6
IA3024	17.8	17.1	16.6	17.8	19.4	17.6	19.1	17.3	16.1	17.8	18.5
A06-712007	15.9	15.6	14.7	16.2	16.2	16.2	17.4	14.5	16.4	16.6	16.4
A06-712040	15.1	15.9	15.4	15.8	15.0	15.3	16.3	14.2	16.2	15.8	15.6
A07-427027	16.9	17.0	16.4	18.0	16.4	15.8	19.4	16.1	16.5	17.7	18.0
A07-427030	15.1	15.0	14.8	15.5	14.9	14.7	16.2	14.2	15.5	15.6	16.9
A07-527026	17.8	17.2	16.3	17.8	18.2	18.6	20.0	17.1	18.3	18.5	18.7
A07-626002	15.9	16.3	15.5	15.6	16.7	16.1	17.3	15.7	15.7	16.1	17.3
A07-626004	16.3	16.1	15.5	16.8	17.0	16.4	17.8	15.6	17.7	17.2	16.5
A07-626010	18.1	17.7	17.7	17.4	19.0	17.8	19.5	15.6	20.7	18.6	20.6
AR07-176037	18.4	18.1	17.9	18.8	20.0	18.8	20.8	15.4	18.5	19.1	20.9
AR07-276022	17.1	16.8	16.1	17.7	18.8	17.4	18.3	14.4	17.3	18.0	19.3
AR07-276048	16.4	16.0	16.2	17.4	17.0	15.1	17.8	13.4	17.1	16.9	17.3
E06381	15.8	15.4	15.3	14.7	17.6	16.8	17.0	15.2	15.6	16.1	13.7
U05-719005	16.4	16.2	15.2	16.1	16.7	16.2	17.3	16.0	15.9	17.1	17.4

UNIFORM TEST II, 2009

SEED SIZE (g/100)

Strain	Waseca MN	Beemer NE	Cotesfield NE	Phillips NE	Hoytville OH	Wooster OH	Chatham ONT	Harrow ONT	Aurora SD
IA2094 (II)	16.4		18.8	16.1	16.4	17.2	19.7	19.5	15.1
IA1022 (SCN)	17.4		16.9	16.7	16.6	15.3	16.7	19.0	14.2
IA3024	18.8		19.9	19.2	16.8	15.4	19.1	20.9	14.0
A06-712007	15.5		17.4	15.6	15.7	14.7	17.1	17.7	12.6
A06-712040	16.0		15.3	13.8	14.0	14.7	15.6	16.5	10.9
A07-427027	16.6		18.2	16.4	16.2	15.1	18.2	19.5	12.3
A07-427030	14.8		16.8	15.9	13.8	13.3	15.7	17.5	11.7
A07-527026	18.8		20.0	17.5	17.1	16.0	18.1	19.5	13.6
A07-626002	16.5		17.0	15.8	14.8	13.8	16.6	18.1	12.0
A07-626004	16.8		17.0	15.3	15.5	14.3	16.7	17.7	13.0
A07-626010	18.6		19.4	18.0	16.5	15.9	18.3	19.4	14.4
AR07-176037	18.6		19.5	17.4	16.5	17.5	19.7	21.2	13.5
AR07-276022	18.2		19.0	15.7	15.4	15.6	18.6	19.9	11.8
AR07-276048	16.5		17.4	16.8	15.1	15.0	17.5	19.0	13.4
E06381	16.3		17.5	16.7	15.1	14.4	15.7	17.9	14.0
U05-719005	17.6		17.3	16.2	16.3	15.8	17.4	17.9	12.8

UNIFORM TEST II, 2009

PROTEIN (%)

Strain	Mean 14 Tests	Rippey IA	Burkey Farms IA	Dekalb IL	Urbana IL	Lafayette IN	Wanatah IN	Ingham County MI
IA2094 (II)	34.2	33.4	34.6	31.2	31.4	34.1	34.2	35.5
IA1022 (SCN)	33.2	32.4	33.7	31.9	30.4	32.7	35.4	34.2
IA3024	32.3	31.7	31.7	29.1	29.4	32.6	32.4	33.4
A06-712007	34.3	35.3	35.3	30.5	31.5	34.4	34.9	35.3
A06-712040	33.9	34.3	33.4	32.8	34.8	33.5	33.0	34.1
A07-427027	34.0	33.8	34.1	32.1	30.7	34.1	34.4	33.9
A07-427030	34.5	34.8	34.9	32.4	33.3	34.0	34.8	35.5
A07-527026	34.6	34.5	35.5	31.5	31.6	34.5	35.3	35.0
A07-626002	33.6	32.8	33.9	30.5	30.3	34.9	32.9	34.9
A07-626004	33.2	32.3	33.2	29.6	31.6	33.0	32.7	34.8
A07-626010	33.3	33.8	33.0	30.0	31.2	33.2	33.9	34.2
AR07-176037	34.8	35.5	34.4	31.1	32.0	35.4	34.6	35.4
AR07-276022	33.8	34.4	33.6	30.3	33.5	33.4	33.3	34.1
AR07-276048	34.4	34.0	35.5	31.4	31.7	33.4	35.1	35.4
E06381	32.6	32.7	33.0	30.5	30.0	32.2	31.9	33.9
U05-719005	34.0	33.5	34.2	31.8	31.5	33.1	35.0	35.4

* Protein and Oil values converted to 13% moisture basis.

UNIFORM TEST II, 2009

OIL (%)

Strain	Mean 14 Tests	Rippey IA	Burkey Farms IA	Dekalb IL	Urbana IL	Lafayette IN	Wanatah IN	Ingham County MI
IA2094 (II)	17.9	18.9	17.7	16.3	18.5	18.2	18.3	15.9
IA1022 (SCN)	19.4	20.5	19.3	18.8	19.8	19.5	19.3	18.5
IA3024	18.2	18.4	18.4	16.6	19.0	18.2	18.8	17.4
A06-712007	17.8	18.7	18.4	16.1	18.4	17.6	18.4	16.9
A06-712040	18.2	19.0	18.0	18.1	18.6	18.3	18.6	17.8
A07-427027	18.0	18.7	17.5	17.3	19.4	17.7	17.8	17.1
A07-427030	17.6	18.3	17.5	16.5	18.1	17.9	18.0	15.9
A07-527026	18.5	19.3	18.6	17.1	18.7	18.4	19.6	17.3
A07-626002	18.1	18.7	17.5	16.4	18.3	18.2	18.3	17.6
A07-626004	18.0	18.4	18.0	16.5	18.9	18.0	18.4	17.2
A07-626010	18.2	18.8	17.7	16.4	18.9	18.5	18.9	16.5
AR07-176037	17.4	18.7	17.3	15.5	17.6	16.7	17.9	16.4
AR07-276022	17.9	18.6	18.1	16.5	18.4	17.7	18.1	16.4
AR07-276048	18.0	18.1	17.6	16.5	18.7	18.1	18.8	16.7
E06381	18.2	17.9	17.8	16.2	19.3	18.4	19.0	16.5
U05-719005	17.5	17.7	17.2	16.1	18.1	17.5	18.8	15.4

UNIFORM TEST II, 2009**PROTEIN (%)**

Strain	Lamberton MN	Waseca MN	Phillips NE	Hoytville OH	Wooster OH	Chatham ONT	Harrow ONT
IA2094 (II)	32.6	33.1	34.9	35.2	35.6	35.5	36.6
IA1022 (SCN)	31.6	31.9	34.5	33.8	35.9	32.8	34.3
IA3024	30.7	32.0	33.3	31.8	34.5	33.8	35.1
A06-712007	33.5	32.4	35.6	34.5	35.9	34.4	36.2
A06-712040	32.5	33.5	34.1	33.3	35.7	34.2	35.6
A07-427027	33.8	34.1	33.6	35.0	35.4	34.5	36.1
A07-427030	33.9	33.4	35.0	33.2	35.8	34.5	37.0
A07-527026	34.8	33.8	35.1	34.8	35.9	35.1	36.5
A07-626002	35.5	33.7	34.6	32.9	35.3	33.8	34.7
A07-626004	32.6	33.0	34.0	34.1	35.7	33.8	34.9
A07-626010	33.7	32.4	33.1	32.5	35.2	33.9	35.4
AR07-176037	34.2	34.7	35.1	35.6	37.2	35.7	36.5
AR07-276022	33.9	32.7	36.1	33.0	35.8	34.0	35.6
AR07-276048	33.8	33.6	35.1	33.9	35.8	36.3	37.1
E06381	31.2	32.1	33.8	33.3	33.5	33.9	35.0
U05-719005	33.4	32.8	34.7	34.1	36.6	34.5	36.0

UNIFORM TEST II, 2009**OIL (%)**

Strain	Lamberton MN	Waseca MN	Phillips NE	Hoytville OH	Wooster OH	Chatham ONT	Harrow ONT
IA2094 (II)	18.5	18.6	17.2	18.8	17.8	18.6	17.3
IA1022 (SCN)	20.1	19.6	18.3	20.0	18.8	20.3	19.4
IA3024	18.8	18.6	18.1	18.7	18.6	18.7	17.3
A06-712007	18.0	17.9	18.0	18.6	17.1	18.5	17.2
A06-712040	19.2	17.8	16.2	19.1	17.8	18.8	17.7
A07-427027	18.1	18.3	17.4	19.0	18.1	18.3	17.1
A07-427030	18.0	17.2	17.1	18.6	17.7	18.7	17.0
A07-527026	18.2	18.9	17.8	19.9	18.9	18.9	17.8
A07-626002	18.5	18.1	17.3	19.1	17.9	19.3	18.4
A07-626004	18.4	17.5	17.3	19.2	17.9	19.1	18.1
A07-626010	18.3	17.8	18.2	19.5	17.9	19.2	18.1
AR07-176037	17.9	17.6	16.8	18.9	16.7	18.2	17.2
AR07-276022	18.5	18.1	17.9	18.9	16.6	19.1	17.6
AR07-276048	17.9	17.5	17.7	19.2	18.8	18.9	17.7
E06381	18.9	18.1	18.3	19.3	18.2	19.2	18.4
U05-719005	17.7	17.4	17.0	18.2	18.0	18.4	17.3

Preliminary Test IIA, 2009

Ent.	Strain	Parentage	Seed Source	Gen. Comp.	Unique Traits
1.	IA2094 (II)	AgriPro X0121B74 x A00-711036	Fehr	F4	
2.	IA1022 (SCN)	Dairyland 98822 x A00-711024	Fehr	F5	SCN
3.	IA3024	A97-553017 x Pioneer YB33A99	Fehr		1% linolenic
4.	A08-152008	A04-545015 x AgriPro 98180-A01-06131	Fehr	F4	
5.	A08-152036	A04-545045 x AgriPro 97284-N00-47977	Fehr	F4	SCN
6.	A08-152041	LD00-4970 x IA1021	Fehr	F4	
7.	A08-248012	IA1021 x AgriPro 97611-B00-37197	Fehr	F4	
8.	A08-248020	A04-545015 x AgriPro 98180-A01-06131	Fehr	F4	
9.	A08-248021	A04-545015 x AgriPro 98180-A01-06131	Fehr	F4	
10.	A08-248023	A04-545015 x AgriPro 98180-A01-06131	Fehr	F4	
11.	A08-248024	A04-545015 x AgriPro 98180-A01-06131	Fehr	F4	
12.	A08-248028	A04-545015 x Syngenta WW228348	Fehr	F4	
13.	A08-248029	A04-545015 x Syngenta WW228348	Fehr	F4	
14.	A08-248032	A04-545015 x Syngenta WW228348	Fehr	F4	
15.	A08-248033	IA2094 x Syngenta MT913155	Fehr	F4	
16.	A08-248043	A04-545045 x AgriPro 98180-A01-0613	Fehr	F4	
17.	A08-249011	U01-390489 x A04-545015	Fehr	F4	SCN
18.	A08-350064	A04-545045 x AgriPro 97284-N00-47977	Fehr	F4	SCN
19.	CL04-3735	S32-Z3 x 0J177-1-9	LeRoy	F4	Rps3a, 1k
20.	CL05-3119	3D1-11 x (CL0J173-6-8 x CL0J095-4)	LeRoy	F4	Rps3a
21.	CL05-3282	CL0J173-6-8 x HS1-3661	LeRoy	F4	Rps3a
22.	CL05-31162	3D1-11 x (CL0J173-6-8 x CL0J095-4)	LeRoy	F4	Rps3a
23.	CL05-51112	0J173-6Mo x IA3023	LeRoy	F4	Rps3a
24.	CL05-51217	0J173-6Mo x IA3024	LeRoy	F4	Rps3a
25.	CL05-51227	0J173-6Mo x IA3025	LeRoy	F4	Rps3a
26.	HS6-3705	HS99-4256 x Dilworth	St. Martin	F5	Rps1k+Rps3
27.	HS7W-14	Golden Harvest H2885 x HF99-019	St. Martin	F5	
28.	HS7W-77	HS1-3641 x HS1-7116	St. Martin	F5	
29.	HS7W-81	HS1-3641 x HS1-7116	St. Martin	F5	
30.	MLG03-4069017	A99-217006 x LG98-1445	Orf		Diversity
31.	SD06-320	SDX98-74151 x M96-71481	Green	F5	
32.	SD06-432	SDX98-76192 x N98-4445A	Green	F5	
33.	SD06-493	SDX98-76192 x N98-4445A	Green	F5	Rps 1c
34.	SD06-577	SD99-469 x SD99-36	Green	F5	Rps 1-k + Rps 6
35.	SD06-589	SD99-469 x SD99-36	Green	F5	Rps 1-k

PRELIMINARY TEST IIA, 2009

DESCRIPTIVE AND DISEASE DATA

Strain	Descriptive Code	Chlorosis	Green Stem	Shattering	PR		FE
		Score Humboldt IA	Score Harrow ONT	Score Ashland KS	Lafayette Race 4	Race 7	Laf. a rx.
IA2094 (II)	PTTSYYI	3.9	1.0	1.0	S	S	S
IA1022 (SCN)	PGTIYYI	3.3	1.0	1.0	S	S	S
IA3024	PGTDYIbI	3.0	1.0	1.0	R*	R*	S
A08-152008	PGTDYYI	3.4	1.0	1.0	S	S	S
A08-152036	PGBDYYI	3.0	1.0	1.0	S	S	S
A08-152041	PGBDYYI	3.3	1.0	1.0	S	S	S
A08-248012	PTBDYYI	3.6	1.0	1.0	S	S	S
A08-248020	PLtTDYYI	3.5	1.0	2.0	S	S	S
A08-248021	PTTIYYI	3.3	1.0	1.0	S	S	S
A08-248023	PLtTDYYI	3.9	1.0	1.0	S	S	S
A08-248024	PLtTIYYI	3.4	1.0	1.0	S	S	S
A08-248028	PT+LtTIYYI	3.1	1.0	1.0	S	S	S
A08-248029	PT+LtTIYYI	3.4	1.0	1.0	S	S	S
A08-248032	PLtTIYYI	3.3	1.0	1.0	S	S	S
A08-248033	PTBDYYI	2.8	1.0	1.0	S	S	S
A08-248043	WGBDYYI	2.8	1.0	1.0	S	S	S
A08-249011	PTBDYYI	4.1	1.0	1.0	S	R*	S
A08-350064	PGBDYYI	2.8	1.0	1.0	S	S	S
CL04-3735	P+WGT+BDYBf+YI	3.5	1.0	1.0	R	R	S
CL05-3119	WGTDDYYI	3.5	1.0	1.0	H*	S	S
CL05-3282	WLtBDYBfI	4.0	1.0	1.0	S*	R*	S
CL05-31162	WGTDDYYI	2.9	1.0	1.0	R	S	S
CL05-51112	WLtTDYBII	3.3	1.0	1.0	S*	S	S
CL05-51217	WLtTDYBII	3.5	1.0	1.0	R	S	S
CL05-51227	WLtTDYBII	2.9	1.0	1.0	R	S	S
HS6-3705	PTTDYBII	3.4	1.0	1.0	R	R	S
HS7W-14	PGBDYIbI	3.4	1.0	1.0	S	R*	S
HS7W-77	WLtBDYBII	3.4	1.0	1.0	S	R*	S
HS7W-81	WLtBDYBII	3.6	1.0	1.0	R*	R*	S
MLG03-4069017	PTBDYBII	3.3	1.0	1.0	S	R*	S
SD06-320	PGBDYBfI	2.9	1.0	1.0	S	S	S
SD06-432	WGBDYYI	3.0	1.0	1.0	H*	H*	S
SD06-493	PGBDYBfI	2.9	1.0	1.0	S	R	S
SD06-577	WTBDYBII	3.0	1.0	1.0	R	R	S
SD06-589	PGBDYIbI	3.0	1.0	1.0	R	R	S

PR: * = *P. sojae* inoc. Reaction NOT compatible with breeder's information about *Rps* Trait

FE: S = susceptible, - = lesions not detected, x = no data

PRELIMINARY TEST IIA, 2009

REGIONAL SUMMARY

No. of Tests Strain	Yield 12 bu/a	Rank 12 No.	Maturity 10 Date	Lodging 10 Score	Plant Height 9 In.	Seed Quality 6 Score	Seed Size 11 g/100	Composition	
								Protein 9 %	Oil 9 %
IA2094 (II)	64.4	5	9/22	1.3	30	1.3	17.4	34.4	18.0
IA1022 (SCN)	59.5	29	-4.4	1.4	28	1.6	16.8	33.2	19.6
IA3024	65.0	4	3.2	1.3	33	1.2	17.7	32.5	18.4
A08-152008	61.4	21	-1.6	1.3	34	1.3	15.8	34.8	17.9
A08-152036	62.4	15	-1.0	1.3	32	1.3	18.3	34.9	18.6
A08-152041	62.6	12	-2.9	1.1	31	1.5	17.5	34.5	18.2
A08-248012	60.0	27	0.9	1.5	32	1.3	19.5	35.0	17.4
A08-248020	67.6	2	0.9	1.3	32	1.5	17.1	34.9	18.0
A08-248021	63.4	9	0.8	1.2	32	1.4	15.6	34.0	17.9
A08-248023	64.4	5	1.5	1.1	34	1.2	15.4	34.4	17.8
A08-248024	62.5	13	1.0	1.2	33	1.3	16.2	34.4	17.5
A08-248028	60.8	24	0.9	1.4	33	1.2	15.5	34.7	17.8
A08-248029	62.3	16	1.9	1.3	32	1.4	14.8	34.1	18.1
A08-248032	61.0	22	-0.2	1.2	30	1.3	14.3	35.2	17.5
A08-248033	64.2	7	0.4	1.1	31	1.3	17.2	34.3	17.7
A08-248043	68.7	1	1.1	1.5	32	1.3	17.4	34.4	18.1
A08-249011	63.1	11	2.1	1.5	35	1.5	16.2	34.4	18.0
A08-350064	63.2	10	2.9	1.9	35	1.3	17.8	34.4	18.6
CL04-3735	60.7	25	5.1	1.2	31	1.6	19.5	34.5	18.0
CL05-3119	57.5	31	8.2	1.1	33	2.1	18.0	35.6	17.6
CL05-3282	62.0	19	4.4	1.3	31	1.2	16.9	34.2	18.2
CL05-31162	60.0	27	7.1	1.3	31	1.9	18.0	34.8	17.8
CL05-51112	66.3	3	7.2	1.2	31	1.3	18.0	34.7	17.9
CL05-51217	62.2	17	6.9	1.1	29	1.7	17.4	33.5	18.3
CL05-51227	64.0	8	7.3	1.2	29	1.9	16.8	33.4	18.0
HS6-3705	62.0	19	2.6	1.3	34	1.2	14.8	33.4	17.8
HS7W-14	60.3	26	2.4	1.4	32	1.7	15.3	34.5	17.5
HS7W-77	62.1	18	2.3	1.1	30	1.6	18.0	34.9	17.4
HS7W-81	60.9	23	1.7	1.2	30	1.2	20.1	35.1	17.3
MLG03-4069017	62.5	13	-0.4	1.3	35	1.2	18.9	34.8	17.9
SD06-320	57.2	32	-4.1	1.5	31	1.4	18.1	34.1	18.8
SD06-432	58.8	30	-3.7	1.2	29	1.7	15.2	33.5	18.5
SD06-493	53.3	35	-6.0	1.2	29	1.9	17.6	33.9	18.6
SD06-577	54.8	34	-5.2	1.2	29	1.3	16.0	35.1	17.8
SD06-589	56.5	33	-3.7	1.2	28	1.3	18.4	34.5	18.2

126.6 Days After Planting

PRELIMINARY TEST IIA, 2009

YIELD (bu/a)

Strain	Mean 12 Tests	Ames IA	Rippey IA	Urbana IL	Lafayette IN	Ingham County MI	Beermer NE
IA2094 (II)	64.4	60.0	41.3	50.0	54.3	67.8	62.8
IA1022 (SCN)	59.5	59.1	41.1	54.4	48.7	52.9	58.5
IA3024	65.0	65.3	51.3	59.4	54.7	68.4	65.7
A08-152008	61.4	60.3	53.9	58.5	54.8	63.2	64.7
A08-152036	62.4	52.5	52.1	66.7	55.2	57.9	61.0
A08-152041	62.6	62.2	47.6	63.7	54.4	68.5	66.7
A08-248012	60.0	61.3	52.4	64.3	52.8	59.7	63.5
A08-248020	67.6	63.4	49.6	60.4	55.2	71.7	75.2
A08-248021	63.4	64.6	51.5	59.1	56.7	66.7	70.7
A08-248023	64.4	65.4	57.3	64.9	54.2	55.1	68.9
A08-248024	62.5	64.9	44.5	63.9	56.6	63.7	71.9
A08-248028	60.8	61.0	51.2	66.8	52.0	56.4	62.8
A08-248029	62.3	66.9	53.1	67.2	55.7	52.8	71.2
A08-248032	61.0	61.6	52.3	64.7	52.4	59.7	61.8
A08-248033	64.2	65.3	49.4	64.3	52.4	60.7	64.3
A08-248043	68.7	65.9	58.1	71.0	59.0	60.9	69.9
A08-249011	63.1	61.9	49.9	66.0	52.4	59.6	68.1
A08-350064	63.2	64.5	51.6	63.9	59.7	61.1	68.1
CL04-3735	60.7	59.0	43.6	61.9	53.8	54.6	64.6
CL05-3119	57.5	60.7	47.5	69.1	51.3	43.7	58.7
CL05-3282	62.0	67.6	46.6	70.3	51.1	55.8	61.5
CL05-31162	60.0	56.8	59.1	70.5	54.0	42.6	62.7
CL05-51112	66.3	70.0	54.6	69.0	55.9	59.4	65.2
CL05-51217	62.2	63.7	52.0	62.2	50.8	43.8	60.8
CL05-51227	64.0	68.3	52.6	67.5	54.3	48.1	68.3
HS6-3705	62.0	63.3	53.2	66.8	48.5	60.7	59.3
HS7W-14	60.3	57.9	36.6	57.8	54.6	54.0	71.0
HS7W-77	62.1	61.0	50.6	62.1	51.8	62.8	62.2
HS7W-81	60.9	60.4	46.6	60.1	47.5	59.2	60.0
MLG03-4069017	62.5	60.9	44.5	59.0	49.8	63.8	62.7
SD06-320	57.2	57.8	41.6	49.1	44.8	57.9	52.7
SD06-432	58.8	63.6	44.2	57.1	49.8	55.5	63.1
SD06-493	53.3	51.3	28.6	40.7	41.0	55.7	48.8
SD06-577	54.8	52.0	39.4	49.0	39.3	56.8	52.2
SD06-589	56.5	48.1	48.7	56.0	46.4	56.8	55.8
Location Mean		61.4	48.5	61.6	52.2	58.2	63.6
C.V. (%)		5.8	11.6	6.1	5.8	9.3	5.1
L.S.D. (5%)		7.2	11.4	7.6	6.1	9.2	8.0
Row Sp. (In.)		27	27	30	30	15	30
Rows/Plot		4	4	4	4	6	4
Reps		2	2	2	2	2	2

*Data not included in mean.

PRELIMINARY TEST IIA, 2009

YIELD (bu/a)

Strain	Cotesfield NE	Phillips NE	Hoytville OH	Chatham ONT	Harrow ONT	Aurora SD
IA2094 (II)	84.7	90.8	58.8	62.7	90.2	49.1
IA1022 (SCN)	78.7	75.1	50.6	63.7	83.8	47.3
IA3024	89.5	84.9	51.9	64.1	87.1	38.1
A08-152008	73.0	72.6	46.0	64.9	86.8	38.3
A08-152036	77.7	74.1	57.5	69.4	84.2	40.9
A08-152041	69.1	73.0	51.9	65.5	82.5	46.2
A08-248012	71.0	68.5	49.3	52.8	80.6	44.4
A08-248020	83.6	87.0	57.2	66.1	94.5	47.5
A08-248021	76.5	79.3	40.7	66.8	84.5	44.2
A08-248023	81.5	76.5	47.4	69.5	88.1	43.7
A08-248024	72.9	70.0	53.9	66.5	81.4	39.8
A08-248028	70.3	70.1	55.0	60.2	84.5	39.5
A08-248029	73.8	71.8	50.7	57.0	80.8	46.6
A08-248032	71.3	73.7	55.6	54.9	86.3	37.7
A08-248033	85.3	80.8	56.5	61.1	83.8	46.5
A08-248043	84.5	88.7	51.3	73.6	94.8	46.4
A08-249011	77.3	75.5	48.5	65.7	86.9	45.7
A08-350064	77.6	75.8	50.3	66.0	85.2	34.7
CL04-3735	78.8	72.3	52.0	68.2	83.5	36.1
CL05-3119	74.0	63.8	51.8	63.6	82.8	23.2
CL05-3282	78.5	72.8	60.6	65.2	80.5	33.5
CL05-31162	75.0	73.6	50.6	61.0	85.6	28.3
CL05-51112	83.7	85.8	59.9	68.9	90.3	32.7
CL05-51217	83.5	81.6	59.5	65.7	88.2	34.2
CL05-51227	87.7	85.8	51.9	62.1	82.4	39.4
HS6-3705	78.3	76.6	55.1	67.2	86.0	29.6
HS7W-14	83.3	73.8	55.6	62.1	81.0	36.3
HS7W-77	80.6	82.4	51.7	66.8	78.9	34.6
HS7W-81	79.3	76.8	53.1	69.0	82.0	37.0
MLG03-4069017	77.7	84.0	57.2	68.1	80.9	41.6
SD06-320	78.9	80.9	46.6	60.0	79.8	36.8
SD06-432	77.3	76.5	43.1	59.3	79.5	36.5
SD06-493	74.8	80.5	42.3	62.6	74.9	38.2
SD06-577	74.3	73.1	40.8	63.4	74.3	43.0
SD06-589	73.1	75.3	38.3	62.0	80.0	38.0
Location Mean	78.2	77.3	51.5	64.2	83.9	39.3
C.V. (%)	4.2	6.4	7.7	7.6	3.2	6.8
L.S.D. (5%)	8.0	12.2	8.0	8.3	4.5	5.4
Row Sp. (In.)	30	30	7.5	17	18	30
Rows/Plot	4	4	8	5	5	4
Reps	2	2	2	2	2	2

PRELIMINARY TEST IIA, 2009

YIELD RANK

Strain	Yield Rank	Ames IA	Rippey IA	Urbana IL	Lafayette IN	Ingham County MI	Beermer NE
IA2094 (II)	5	26	31	32	13	4	19
IA1022 (SCN)	29	27	32	31	29	30	31
IA3024	4	7	15	24	10	3	12
A08-152008	21	25	5	27	9	8	14
A08-152036	15	32	11	10	7	19	26
A08-152041	12	16	22	18	12	2	11
A08-248012	27	19	9	14	18	14	17
A08-248020	2	14	19	22	7	1	1
A08-248021	9	10	14	25	3	5	5
A08-248023	5	6	3	12	15	27	7
A08-248024	13	9	26	16	4	7	2
A08-248028	24	20	16	8	22	23	20
A08-248029	16	4	7	7	6	31	3
A08-248032	22	18	10	13	19	15	24
A08-248033	7	7	20	15	19	12	16
A08-248043	1	5	2	1	2	11	6
A08-249011	11	17	18	11	19	16	9
A08-350064	10	11	13	16	1	10	10
CL04-3735	25	28	29	21	17	28	15
CL05-3119	31	23	23	4	24	34	30
CL05-3282	19	3	24	3	25	24	25
CL05-31162	27	31	1	2	16	35	21
CL05-51112	3	1	4	5	5	17	13
CL05-51217	17	12	12	19	26	33	27
CL05-51227	8	2	8	6	13	32	8
HS6-3705	19	15	6	8	30	13	29
HS7W-14	26	29	34	28	11	29	4
HS7W-77	18	20	17	20	23	9	23
HS7W-81	23	24	24	23	31	18	28
MLG03-4069017	13	22	26	26	27	6	22
SD06-320	32	30	30	33	33	20	33
SD06-432	30	13	28	29	27	26	18
SD06-493	35	34	35	35	34	25	35
SD06-577	34	33	33	34	35	21	34
SD06-589	33	35	21	30	32	22	32

PRELIMINARY TEST IIA, 2009

YIELD RANK

Strain	Cotesfield NE	Phillips NE	Hoytville OH	Chatham ONT	Harrow ONT	Aurora SD
IA2094 (II)	4	1	4	23	4	1
IA1022 (SCN)	15	21	19	20	17	3
IA3024	1	6	14	19	7	20
A08-152008	30	29	25	18	9	18
A08-152036	18	22	5	3	16	14
A08-152041	35	27	14	16	21	7
A08-248012	33	34	21	35	28	9
A08-248020	7	3	6	12	2	2
A08-248021	23	13	29	10	14	10
A08-248023	10	16	23	2	6	11
A08-248024	31	33	11	11	24	15
A08-248028	34	32	10	30	14	16
A08-248029	28	31	18	33	27	4
A08-248032	32	24	8	34	10	22
A08-248033	3	11	7	28	17	5
A08-248043	5	2	17	1	1	6
A08-249011	21	19	22	15	8	8
A08-350064	20	18	20	13	13	28
CL04-3735	14	30	13	6	19	27
CL05-3119	27	35	15	21	20	35
CL05-3282	16	28	1	17	29	31
CL05-31162	24	25	19	29	12	34
CL05-51112	6	4	2	5	3	32
CL05-51217	8	9	3	14	5	30
CL05-51227	2	5	14	26	22	17
HS6-3705	17	15	9	8	11	33
HS7W-14	9	23	8	25	25	26
HS7W-77	11	8	16	9	33	29
HS7W-81	12	14	12	4	23	23
MLG03-4069017	19	7	6	7	26	13
SD06-320	13	10	24	31	31	24
SD06-432	22	17	26	32	32	25
SD06-493	25	12	27	24	34	19
SD06-577	26	26	28	22	35	12
SD06-589	29	20	30	27	30	21

PRELIMINARY TEST IIA, 2009

MATURITY (date)

Strain	Mean 10 Tests	Ames IA	Rippey IA	Urbana IL	Lafayette IN	Ingham County MI	Beermer NE
IA2094 (II)	9/22	9/19		9/16	9/19	10/1	
IA1022 (SCN)	-4.4	-4		-6	-6	-5	
IA3024	3.2	5		0	4	0	
A08-152008	-1.6	-3		-3	-2	0	
A08-152036	-1.0	-3		0	0	-3	
A08-152041	-2.9	-2		0	-2	-3	
A08-248012	0.9	3		0	1	-1	
A08-248020	0.9	0		-1	1	-1	
A08-248021	0.8	1		0	-1	0	
A08-248023	1.5	1		0	1	-1	
A08-248024	1.0	2		0	0	0	
A08-248028	0.9	1		0	-2	0	
A08-248029	1.9	3		1	1	-1	
A08-248032	-0.2	-1		0	1	-1	
A08-248033	0.4	2		0	0	-2	
A08-248043	1.1	2		1	1	-2	
A08-249011	2.1	2		2	2	0	
A08-350064	2.9	4		4	3	1	
CL04-3735	5.1	5		7	6	1	
CL05-3119	8.2	6		10	9	3	
CL05-3282	4.4	4		4	7	0	
CL05-31162	7.1	5		8	12	3	
CL05-51112	7.2	5		8	10	2	
CL05-51217	6.9	4		8	10	2	
CL05-51227	7.3	4		8	10	3	
HS6-3705	2.6	3		1	4	0	
HS7W-14	2.4	3		2	3	0	
HS7W-77	2.3	3		3	4	0	
HS7W-81	1.7	2		2	2	-1	
MLG03-4069017	-0.4	-1		0	0	-1	
SD06-320	-4.1	-4		-6	-5	-2	
SD06-432	-3.7	-1		-3	-4	-5	
SD06-493	-6.0	-7		-8	-3	-8	
SD06-577	-5.2	-4		-5	-5	-7	
SD06-589	-3.7	-3		-2	-4	-3	
Date Planted	5/19	5/8	5/21	5/23	5/26	5/20	5/15
Days to Mature	127	134		116	116	134	

PRELIMINARY TEST IIA, 2009

MATURITY (date)

Strain	Cotesfield NE	Phillips NE	Hoytville OH	Chatham ONT	Harrow ONT	Aurora SD
IA2094 (II)	9/25	9/28	9/12	9/24	9/23	10/1
IA1022 (SCN)	-2	-5	-3	-4	-7	-2
IA3024	7	4	2	4	2	4
A08-152008	0	0	-3	0	-3	-2
A08-152036	0	-2	0	1	-3	0
A08-152041	-3	-7	-3	-3	-2	-4
A08-248012	2	2	0	1	1	0
A08-248020	3	2	-1	2	0	4
A08-248021	6	3	-1	1	-2	1
A08-248023	5	3	0	2	0	4
A08-248024	5	1	0	2	1	-1
A08-248028	3	1	1	1	0	4
A08-248029	4	2	1	1	2	5
A08-248032	0	-1	2	-1	0	-1
A08-248033	0	0	2	1	0	1
A08-248043	2	2	0	4	1	0
A08-249011	3	2	0	5	0	5
A08-350064	6	4	3	2	2	0
CL04-3735	6	4	4	8	3	7
CL05-3119	11	6	8	12	9	
CL05-3282	8	2	4	6	2	7
CL05-31162	8	5	7	9	7	
CL05-51112	11	6	8	9	6	
CL05-51217	11	5	8	9	5	
CL05-51227	12	6	9	8	6	
HS6-3705	8	2	1	2	-1	6
HS7W-14	5	3	2	3	0	3
HS7W-77	2	2	2	2	2	3
HS7W-81	5	1	3	2	1	0
MLG03-4069017	0	-1	2	0	-2	-1
SD06-320	-3	-8	-2	-4	-3	-4
SD06-432	0	-6	-3	-4	-6	-5
SD06-493	-4	-11	-3	-5	-6	-5
SD06-577	-3	-11	-3	-4	-6	-4
SD06-589	-3	-6	-3	-1	-7	-5
Date Planted	5/19	5/18	5/12	5/25	5/29	5/15
Days to Mature	129	133	123	122	117	139

PRELIMINARY TEST IIA, 2009

LODGING (score)

Strain	Mean 10 Tests	Ames IA	Rippey IA	Urbana IL	Lafayette IN	Ingham County MI	Beermer NE
IA2094 (II)	1.3	1.5	1.3	1.3	1.0	2.0	
IA1022 (SCN)	1.4	1.8	1.0	1.5	1.0	1.5	
IA3024	1.3	1.3	1.3	1.0	1.0	2.0	
A08-152008	1.3	1.3	1.5	1.5	1.0	2.0	
A08-152036	1.3	1.5	1.5	1.3	1.0	1.5	
A08-152041	1.1	1.3	1.0	1.0	1.0	2.0	
A08-248012	1.5	1.3	1.3	2.3	1.0	2.0	
A08-248020	1.3	1.5	1.3	1.0	1.0	2.0	
A08-248021	1.2	1.3	1.3	1.0	1.0	1.0	
A08-248023	1.1	1.3	1.5	1.0	1.0	1.5	
A08-248024	1.2	1.5	1.3	1.0	1.0	2.0	
A08-248028	1.4	1.5	1.5	1.8	1.0	2.0	
A08-248029	1.3	1.8	1.5	1.8	1.0	1.5	
A08-248032	1.2	1.0	1.5	1.0	1.0	1.0	
A08-248033	1.1	1.5	1.5	1.0	1.0	1.0	
A08-248043	1.5	1.5	1.5	2.3	1.0	2.0	
A08-249011	1.5	1.5	1.3	2.3	1.0	1.5	
A08-350064	1.9	1.8	2.0	2.5	1.5	2.5	
CL04-3735	1.2	1.0	1.3	1.0	1.0	1.5	
CL05-3119	1.1	1.3	1.0	1.0	1.0	1.5	
CL05-3282	1.3	1.3	1.5	1.3	1.0	2.0	
CL05-31162	1.3	1.3	1.3	1.0	1.0	2.0	
CL05-51112	1.2	1.5	1.5	1.0	1.0	1.5	
CL05-51217	1.1	1.5	1.5	1.0	1.0	1.0	
CL05-51227	1.2	1.3	1.5	1.0	1.0	1.0	
HS6-3705	1.3	1.3	1.5	1.5	1.0	2.0	
HS7W-14	1.4	2.0	1.5	1.8	1.0	2.0	
HS7W-77	1.1	1.3	1.3	1.3	1.0	1.5	
HS7W-81	1.2	1.5	1.5	1.3	1.0	1.0	
MLG03-4069017	1.3	1.3	1.3	1.3	1.0	2.0	
SD06-320	1.5	2.3	1.5	1.3	1.0	1.5	
SD06-432	1.2	1.3	1.3	1.3	1.0	1.5	
SD06-493	1.2	1.0	1.0	1.0	1.0	1.5	
SD06-577	1.2	1.3	1.3	1.0	1.0	1.5	
SD06-589	1.2	1.0	1.5	1.0	1.0	2.0	

PRELIMINARY TEST IIA, 2009

LODGING (score)

Strain	Cotesfield NE	Phillips NE	Hoytville OH	Chatham ONT	Harrow ONT	Aurora SD
IA2094 (II)		1.0	1.0	1.0	1.0	2.0
IA1022 (SCN)		1.0	1.0	1.0	1.0	3.0
IA3024		1.0	1.0	1.0	1.0	2.0
A08-152008		1.0	1.0	1.0	1.0	2.0
A08-152036		1.0	1.0	1.0	1.0	2.0
A08-152041		1.0	1.0	1.0	1.0	1.0
A08-248012		1.0	1.0	1.0	1.0	3.0
A08-248020		1.0	1.0	1.0	1.0	2.0
A08-248021		1.0	1.0	1.0	1.0	2.0
A08-248023		1.0	1.0	1.0	1.0	1.0
A08-248024		1.0	1.0	1.0	1.0	1.0
A08-248028		1.0	1.0	1.0	1.0	2.0
A08-248029		1.0	1.0	1.0	1.0	1.0
A08-248032		1.0	1.0	1.0	1.0	2.0
A08-248033		1.0	1.0	1.0	1.0	1.0
A08-248043		1.5	1.0	1.0	1.0	2.0
A08-249011		2.0	1.0	1.0	1.0	2.0
A08-350064		2.0	1.0	1.0	1.5	3.0
CL04-3735		1.0	1.0	1.0	1.0	2.0
CL05-3119		1.0	1.0	1.0	1.0	1.0
CL05-3282		1.0	1.0	1.0	1.0	2.0
CL05-31162		1.0	1.0	1.0	1.0	2.0
CL05-51112		1.0	1.0	1.0	1.0	1.0
CL05-51217		1.0	1.0	1.0	1.0	1.0
CL05-51227		1.5	1.0	1.0	1.0	2.0
HS6-3705		1.0	1.0	1.0	1.0	2.0
HS7W-14		2.0	1.0	1.0	1.0	1.0
HS7W-77		1.0	1.0	1.0	1.0	1.0
HS7W-81		1.0	1.0	1.0	1.0	2.0
MLG03-4069017		1.0	1.0	1.0	1.0	2.0
SD06-320		1.0	1.0	1.0	1.0	3.0
SD06-432		1.5	1.0	1.0	1.0	1.0
SD06-493		1.0	1.0	1.0	1.0	2.0
SD06-577		1.0	1.0	1.0	1.0	2.0
SD06-589		1.0	1.0	1.0	1.0	1.0

PRELIMINARY TEST IIA, 2009

PLANT HEIGHT (inches)

Strain	Mean 9 Tests	Ames IA	Rippey IA	Urbana IL	Lafayette IN	Ingham County MI	Beermer NE
IA2094 (II)	30	30	28	28	32	32	
IA1022 (SCN)	28	32	26	30	28	25	
IA3024	33	36	32	32	32	34	
A08-152008	34	32	35	34	33	37	
A08-152036	32	32	31	33	32	37	
A08-152041	31	34	28	33	30	33	
A08-248012	32	33	29	32	32	31	
A08-248020	32	31	30	30	31	34	
A08-248021	32	35	30	32	31	31	
A08-248023	34	35	37	35	33	32	
A08-248024	33	34	29	33	30	35	
A08-248028	33	32	33	33	31	35	
A08-248029	32	39	31	31	30	33	
A08-248032	30	29	31	30	28	29	
A08-248033	31	33	29	33	31	31	
A08-248043	32	32	31	32	32	31	
A08-249011	35	41	34	34	34	30	
A08-350064	35	40	35	32	37	30	
CL04-3735	31	35	27	32	28	34	
CL05-3119	33	34	29	34	29	33	
CL05-3282	31	34	30	33	28	31	
CL05-31162	31	30	30	30	27	31	
CL05-51112	31	32	28	30	28	30	
CL05-51217	29	28	27	27	26	32	
CL05-51227	29	30	27	29	27	30	
HS6-3705	34	35	33	34	33	29	
HS7W-14	32	33	29	30	32	33	
HS7W-77	30	32	27	31	27	30	
HS7W-81	30	32	27	30	29	30	
MLG03-4069017	35	38	31	33	34	35	
SD06-320	31	33	30	32	31	30	
SD06-432	29	32	30	30	28	28	
SD06-493	29	30	25	27	29	29	
SD06-577	29	32	25	29	30	30	
SD06-589	28	30	27	29	28	28	

PRELIMINARY TEST IIA, 2009

PLANT HEIGHT (inches)

Strain	Cotesfield NE	Phillips NE	Hoytville OH	Chatham ONT	Harrow ONT	Aurora SD
IA2094 (II)			25	32	30	34
IA1022 (SCN)			24	31	26	32
IA3024			25	32	33	37
A08-152008			24	36	36	38
A08-152036			23	33	32	37
A08-152041			26	34	28	37
A08-248012			25	36	32	38
A08-248020			25	33	32	39
A08-248021			25	35	30	35
A08-248023			26	38	36	37
A08-248024			25	40	32	38
A08-248028			27	37	32	37
A08-248029			26	33	31	37
A08-248032			25	32	30	34
A08-248033			26	32	32	33
A08-248043			28	36	31	36
A08-249011			25	40	33	44
A08-350064			28	36	34	41
CL04-3735			24	33	30	35
CL05-3119			26	41	33	36
CL05-3282			25	34	31	37
CL05-31162			24	37	32	36
CL05-51112			24	35	32	37
CL05-51217			24	33	31	36
CL05-51227			21	35	32	32
HS6-3705			30	40	37	34
HS7W-14			26	34	33	37
HS7W-77			22	32	31	36
HS7W-81			26	33	31	31
MLG03-4069017			31	38	33	41
SD06-320			24	33	32	34
SD06-432			20	32	29	31
SD06-493			22	32	30	34
SD06-577			22	31	29	35
SD06-589			21	29	31	32

PRELIMINARY TEST IIA, 2009

SEED QUALITY (score)

Strain	Mean 6 Tests	Ames IA	Rippey IA	Urbana IL	Lafayette IN	Ingham County MI	Beermer NE
IA2094 (II)	1.3			1.0	1.0		
IA1022 (SCN)	1.6			2.0	1.0		
IA3024	1.2			1.0	1.0		
A08-152008	1.3			1.0	1.0		
A08-152036	1.3			1.0	1.0		
A08-152041	1.5			1.0	1.0		
A08-248012	1.3			1.0	1.0		
A08-248020	1.5			1.0	1.0		
A08-248021	1.4			1.0	1.0		
A08-248023	1.2			1.0	1.0		
A08-248024	1.3			1.0	1.0		
A08-248028	1.2			1.0	1.0		
A08-248029	1.4			1.0	1.0		
A08-248032	1.3			1.0	1.0		
A08-248033	1.3			1.0	1.0		
A08-248043	1.3			1.0	1.0		
A08-249011	1.5			1.0	1.0		
A08-350064	1.3			1.0	1.0		
CL04-3735	1.6			2.0	1.0		
CL05-3119	2.1			2.0	1.0		
CL05-3282	1.2			1.0	1.0		
CL05-31162	1.9			1.0	1.0		
CL05-51112	1.3			1.0	1.0		
CL05-51217	1.7			1.0	1.0		
CL05-51227	1.9			1.0	1.0		
HS6-3705	1.2			1.0	1.0		
HS7W-14	1.7			2.0	1.5		
HS7W-77	1.6			1.0	1.0		
HS7W-81	1.2			1.0	1.0		
MLG03-4069017	1.2			1.0	1.0		
SD06-320	1.4			2.0	1.0		
SD06-432	1.7			3.0	1.5		
SD06-493	1.9			3.0	1.5		
SD06-577	1.3			1.0	1.0		
SD06-589	1.3			1.0	1.0		

PRELIMINARY TEST IIA, 2009

SEED QUALITY (score)

Strain	Cotesfield NE	Phillips NE	Hoytville OH	Chatham ONT	Harrow ONT	Aurora SD
IA2094 (II)			1.0	2.0	1.0	2.0
IA1022 (SCN)			2.0	1.5	1.0	2.0
IA3024			1.0	1.0	1.0	2.0
A08-152008			1.0	1.5	1.0	2.0
A08-152036			2.0	1.0	1.0	2.0
A08-152041			1.0	2.0	1.0	3.0
A08-248012			1.0	2.0	1.0	2.0
A08-248020			1.0	2.0	1.0	3.0
A08-248021			1.0	1.5	1.0	3.0
A08-248023			1.0	1.0	1.0	2.0
A08-248024			1.0	2.0	1.0	2.0
A08-248028			1.0	1.0	1.0	2.0
A08-248029			1.0	1.5	1.0	3.0
A08-248032			1.0	1.5	1.0	2.0
A08-248033			1.0	1.5	1.0	2.0
A08-248043			1.0	1.5	1.0	2.0
A08-249011			1.0	2.0	1.0	3.0
A08-350064			1.0	1.5	1.0	2.0
CL04-3735			1.0	1.5	1.0	3.0
CL05-3119			2.0	1.5	1.0	5.0
CL05-3282			1.0	1.0	1.0	2.0
CL05-31162			2.0	1.5	1.0	5.0
CL05-51112			1.0	1.0	1.0	3.0
CL05-51217			2.0	1.0	1.0	4.0
CL05-51227			2.0	1.5	1.0	5.0
HS6-3705			1.0	1.0	1.0	2.0
HS7W-14			2.0	1.5	1.0	2.0
HS7W-77			2.0	1.5	1.0	3.0
HS7W-81			1.0	1.0	1.0	2.0
MLG03-4069017			1.0	1.0	1.0	2.0
SD06-320			1.0	1.5	1.0	2.0
SD06-432			1.0	1.5	1.0	2.0
SD06-493			2.0	2.0	1.0	2.0
SD06-577			1.0	1.0	1.0	3.0
SD06-589			1.0	1.5	1.0	2.0

PRELIMINARY TEST IIA, 2009

SEED SIZE (g/100)

Strain	Mean 11 Tests	Ames IA	Rippey IA	Urbana IL	Lafayette IN	Ingham County MI	Beermer NE
IA2094 (II)	17.4	17.1	16.9	15.8	18.7	18.2	
IA1022 (SCN)	16.8	15.9	15.6	17.0	18.6	17.3	
IA3024	17.7	17.1	16.6	16.4	18.6	18.5	
A08-152008	15.8	16.0	16.2	14.9	16.9	17.2	
A08-152036	18.3	17.1	17.0	19.3	21.1	18.0	
A08-152041	17.5	17.7	17.1	18.9	19.8	17.4	
A08-248012	19.5	21.3	19.1	20.7	22.4	19.5	
A08-248020	17.1	17.0	16.6	16.7	18.3	17.6	
A08-248021	15.6	16.2	15.4	16.0	17.8	16.3	
A08-248023	15.4	16.0	15.8	15.9	17.3	15.3	
A08-248024	16.2	16.4	16.5	17.3	18.0	17.6	
A08-248028	15.5	15.6	15.2	16.0	16.3	17.2	
A08-248029	14.8	15.5	15.3	15.0	16.9	15.6	
A08-248032	14.3	14.3	14.7	14.8	15.6	14.8	
A08-248033	17.2	17.4	16.8	16.8	18.8	16.8	
A08-248043	17.4	17.1	17.4	17.0	19.1	17.4	
A08-249011	16.2	12.5	15.9	17.4	18.9	17.4	
A08-350064	17.8	18.3	17.1	18.8	20.2	18.2	
CL04-3735	19.5	19.5	18.9	21.6	22.0	19.5	
CL05-3119	18.0	18.2	18.4	19.1	19.4	19.3	
CL05-3282	16.9	17.1	16.5	18.4	18.7	17.3	
CL05-31162	18.0	18.2	17.9	18.2	20.6	18.4	
CL05-51112	18.0	18.4	17.5	18.1	20.3	19.4	
CL05-51217	17.4	18.5	16.8	16.8	18.3	18.2	
CL05-51227	16.8	17.5	16.0	17.0	18.3	16.8	
HS6-3705	14.8	14.4	14.2	15.1	15.1	16.2	
HS7W-14	15.3	15.5	14.2	14.9	17.4	16.3	
HS7W-77	18.0	17.8	17.5	18.8	19.0	18.5	
HS7W-81	20.1	20.1	19.3	21.3	21.3	19.8	
MLG03-4069017	18.9	18.8	16.9	19.6	21.0	19.0	
SD06-320	18.1	15.9	15.9	18.8	19.5	18.3	
SD06-432	15.2	15.0	14.3	15.8	16.6	14.9	
SD06-493	17.6	16.0	15.0	17.6	19.5	17.5	
SD06-577	16.0	15.8	14.8	15.0	16.1	17.5	
SD06-589	18.4	17.8	18.0	19.5	18.8	16.7	

PRELIMINARY TEST IIA, 2009

SEED SIZE (g/100)

Strain	Cotesfield NE	Phillips NE	Hoytville OH	Chatham ONT	Harrow ONT	Aurora SD
IA2094 (II)	18.6	17.3	16.0	18.0	19.8	15.3
IA1022 (SCN)	17.6	16.7	16.4	16.2	19.1	14.3
IA3024	19.0	18.7	17.3	18.1	20.5	13.4
A08-152008	15.6	14.2	14.2	16.3	17.8	14.3
A08-152036	18.5	16.5	18.0	19.1	20.7	16.2
A08-152041	16.9	16.2	16.0	17.1	20.7	14.3
A08-248012	19.1	17.1	18.6	18.8	22.5	15.9
A08-248020	17.8	17.6	14.4	18.6	18.7	15.2
A08-248021	16.3	14.6	12.6	16.5	17.5	12.1
A08-248023	15.1	13.6	13.6	16.6	17.1	12.7
A08-248024	16.0	14.1	14.8	16.4	17.9	13.4
A08-248028	15.0	14.2	14.8	15.3	17.6	12.9
A08-248029	14.3	13.0	13.2	14.5	16.6	12.7
A08-248032	14.6	12.8	12.9	14.8	16.4	11.5
A08-248033	17.7	16.8	15.4	18.2	19.7	14.8
A08-248043	18.3	16.9	15.9	18.0	19.8	14.1
A08-249011	17.2	15.5	15.2	16.3	17.9	13.6
A08-350064	17.7	16.9	15.8	18.4	19.6	15.0
CL04-3735	20.5	18.2	19.1	19.5	20.3	15.5
CL05-3119	18.4	16.6	15.2	18.5	19.7	14.9
CL05-3282	17.9	15.9	14.9	17.2	19.1	13.0
CL05-31162	17.9	17.3	15.9	18.2	20.6	14.6
CL05-51112	17.9	18.2	17.3	17.9	20.5	13.1
CL05-51217	18.1	16.6	17.3	17.6	19.9	13.7
CL05-51227	17.4	16.9	15.5	17.6	18.8	13.5
HS6-3705	15.9	13.9	13.5	15.5	16.5	12.5
HS7W-14	15.4	15.1	14.4	16.0	16.8	12.3
HS7W-77	19.5	18.2	17.3	18.4	20.1	13.0
HS7W-81	22.1	21.0	18.5	20.8	21.9	14.6
MLG03-4069017	19.7	19.0	18.1	19.6	20.7	15.2
SD06-320	19.7	20.6	15.2	19.7	20.6	15.1
SD06-432	16.5	15.7	13.4	15.0	17.0	12.8
SD06-493	17.7	19.5	15.5	19.6	20.2	15.1
SD06-577	17.5	17.0	13.7	16.3	18.0	14.3
SD06-589	20.4	18.7	17.2	18.9	21.0	15.3

PRELIMINARY TEST IIA, 2009

PROTEIN (%)

Strain	Mean 9 Tests	Rippey IA	Urbana IL	Lafayette IN	Ingham County MI	Phillips NE	Hoytville OH	Chatham ONT	Harrow ONT	Aurora SD
IA2094 (II)	34.4	32.9	31.4	34.3	35.7	34.4	34.9	34.8	36.6	34.9
IA1022 (SCN)	33.2	35.5	30.4	33.3	34.6	32.7	32.8	32.3	34.1	33.5
IA3024	32.5	32.4	29.4	31.5	33.7	32.5	32.0	33.8	34.6	32.6
A08-152008	34.8	34.9	31.5	35.5	35.7	35.4	34.2	35.0	35.8	34.8
A08-152036	34.9	33.8	33.3	34.2	35.2	35.6	35.2	34.5	36.5	36.3
A08-152041	34.5	33.1	33.3	34.6	34.7	34.6	35.5	34.3	36.3	34.5
A08-248012	35.0	34.3	33.8	34.4	35.4	34.5	34.4	35.6	36.9	36.0
A08-248020	34.9	35.7	31.6	34.4	35.5	35.8	34.2	35.1	36.0	35.4
A08-248021	34.0	33.3	31.2	33.8	35.1	34.6	33.3	34.6	35.4	34.7
A08-248023	34.4	33.4	31.6	34.4	35.2	34.8	34.9	34.9	35.5	34.6
A08-248024	34.4	33.5	31.9	34.9	35.2	35.1	33.3	34.7	35.6	35.6
A08-248028	34.7	34.1	32.9	34.2	35.3	35.2	34.9	35.1	36.5	34.4
A08-248029	34.1	34.5	32.8	34.7	34.5	33.1	34.9	33.6	34.6	33.9
A08-248032	35.2	33.9	34.2	35.7	35.8	35.9	34.5	34.8	36.1	36.3
A08-248033	34.3	33.2	31.8	34.5	34.7	34.3	34.0	35.1	36.3	35.0
A08-248043	34.4	34.9	31.7	34.9	35.0	35.1	33.3	34.6	35.3	35.3
A08-249011	34.4	34.4	32.3	34.2	34.6	35.1	34.2	34.4	35.2	35.0
A08-350064	34.4	33.2	30.2	34.2	35.5	36.1	34.5	35.0	35.4	35.2
CL04-3735	34.5	34.7	31.1	34.4	34.8	34.9	32.9	35.2	36.0	36.4
CL05-3119	35.6	34.6	33.5	34.8	36.5	36.2	34.1	35.8	37.0	37.8
CL05-3282	34.2	34.9	31.3	33.6	35.8	33.3	33.5	34.7	35.4	35.4
CL05-31162	34.8	34.1	31.0	35.1	35.6	35.1	33.8	35.5	37.0	35.9
CL05-51112	34.7	34.4	31.4	34.0	35.6	34.7	34.9	35.1	35.8	36.3
CL05-51217	33.5	35.6	29.8	33.3	33.7	32.7	33.3	33.8	34.4	35.3
CL05-51227	33.4	32.3	28.9	34.2	33.8	32.8	34.1	34.5	34.8	35.3
HS6-3705	33.4	31.7	29.8	32.3	34.7	33.9	32.7	35.1	35.4	35.3
HS7W-14	34.5	33.4	31.5	34.7	34.6	35.7	34.7	35.0	36.1	35.1
HS7W-77	34.9	34.2	32.1	35.1	35.9	35.0	34.5	35.3	36.5	35.9
HS7W-81	35.1	34.5	32.1	35.3	35.4	34.8	34.6	35.8	36.6	36.6
MLG03-4069017	34.8	34.8	32.3	35.1	36.0	34.7	34.5	35.2	36.1	34.8
SD06-320	34.1	34.6	31.6	34.4	34.6	35.1	33.8	33.3	35.1	34.3
SD06-432	33.5	31.0	32.7	32.4	33.8	34.5	34.8	33.0	35.4	34.3
SD06-493	33.9	33.0	31.1	33.2	34.2	35.4	35.3	34.3	35.2	33.1
SD06-577	35.1	34.2	32.3	35.1	36.0	35.9	35.5	35.3	36.6	35.1
SD06-589	34.5	34.7	31.6	34.2	35.3	35.6	34.6	34.4	36.3	34.3

* Protein and Oil values converted to 13% moisture basis.

PRELIMINARY TEST IIA, 2009

OIL (%)

Strain	Mean	Rippey IA	Urbana IL	Lafayette IN	Ingham	Phillips NE	Hoytville OH	Chatham ONT	Harrow ONT	Aurora SD
	9 Tests				County MI					
IA2094 (II)	18.0	18.7	18.5	17.8	16.2	18.0	19.0	19.0	17.6	17.7
IA1022 (SCN)	19.6	18.9	19.8	18.8	18.8	20.0	20.4	20.8	19.7	19.2
IA3024	18.4	18.6	19.0	18.4	17.3	18.4	19.6	18.4	18.1	18.3
A08-152008	17.9	18.9	18.1	17.8	17.1	18.2	18.0	18.2	17.3	17.4
A08-152036	18.6	19.1	18.8	18.2	17.4	17.7	19.7	19.7	18.5	18.0
A08-152041	18.2	18.6	18.2	17.4	17.0	18.2	19.3	18.7	17.6	18.5
A08-248012	17.4	18.0	17.9	17.2	15.5	17.5	18.9	17.7	17.1	16.6
A08-248020	18.0	18.8	18.0	17.6	17.0	18.2	18.9	18.2	17.5	18.1
A08-248021	17.9	18.5	18.5	17.2	17.1	17.1	19.0	18.4	17.9	17.5
A08-248023	17.8	17.9	17.6	17.4	16.9	17.3	19.8	18.0	17.7	17.6
A08-248024	17.5	17.9	17.5	17.1	16.1	17.0	18.8	18.1	17.6	17.4
A08-248028	17.8	18.4	18.6	17.7	16.2	17.7	18.3	18.1	17.2	17.6
A08-248029	18.1	19.1	19.0	16.8	15.9	17.8	19.4	18.4	18.0	18.2
A08-248032	17.5	18.1	18.1	18.3	16.5	16.6	17.9	18.6	17.3	16.3
A08-248033	17.7	17.7	17.7	17.5	16.4	17.9	18.0	18.4	17.2	18.3
A08-248043	18.1	18.4	17.8	18.1	17.2	18.2	19.1	18.6	18.0	17.6
A08-249011	18.0	18.3	18.4	17.4	16.2	18.2	18.3	19.0	18.4	17.9
A08-350064	18.6	19.0	19.0	18.0	17.1	18.9	19.3	18.8	18.5	18.6
CL04-3735	18.0	18.5	18.8	17.6	16.3	18.6	19.7	17.9	17.3	17.2
CL05-3119	17.6	18.2	17.9	17.5	15.8	18.4	18.7	18.3	17.3	15.8
CL05-3282	18.2	19.4	18.0	17.8	17.2	18.4	18.9	19.1	18.3	17.1
CL05-31162	17.8	18.0	18.5	17.7	16.0	17.8	19.2	18.4	17.5	17.0
CL05-51112	17.9	18.3	18.4	17.7	16.2	18.4	19.1	18.4	18.0	16.6
CL05-51217	18.3	18.9	18.7	17.7	16.8	18.6	18.8	19.4	18.7	17.2
CL05-51227	18.0	17.9	18.4	18.1	16.8	18.4	19.0	18.9	18.4	16.7
HS6-3705	17.8	18.5	18.5	18.1	15.8	17.4	18.6	18.4	18.1	16.6
HS7W-14	17.5	18.1	17.6	17.1	16.9	18.0	17.7	17.7	16.6	18.0
HS7W-77	17.4	17.3	17.4	18.0	17.0	17.9	18.0	17.6	17.1	16.7
HS7W-81	17.3	17.7	16.9	17.3	16.1	17.9	17.8	17.5	17.1	17.4
MLG03-4069017	17.9	18.7	17.9	17.5	15.8	18.0	18.7	18.6	18.1	17.7
SD06-320	18.8	19.4	18.1	18.4	16.8	18.7	19.6	20.3	19.5	18.5
SD06-432	18.5	19.1	19.2	18.4	16.8	17.9	19.1	19.6	17.9	18.2
SD06-493	18.6	19.0	18.4	18.1	16.9	18.7	18.9	19.4	18.8	18.8
SD06-577	17.8	17.5	18.2	17.1	16.4	17.3	17.8	19.3	18.3	18.6
SD06-589	18.2	18.1	17.4	18.0	17.0	17.7	19.0	19.7	18.9	18.4

Preliminary Test IIB, 2009

Ent.	Strain	Parentage	Seed Source	Gen. Comp.	Unique Traits
1	IA2094 (II)	AgriPro X0121B74 x A00-711036	Fehr	F4	
2.	IA1022 (SCN)	Dairyland 98822 x A00-711024	Fehr	F5	SCN
3.	IA3024	A97-553017 x Pioneer YB33A99	Fehr		1% linolenic
4.	AR07-761008	IA2050 x Archer	Cianzio	BC4F2	Rps6 + Rps1-k
5.	AR08-186004	Garst-Agripro 99022-A01-12281 x AR02-101001	Cianzio	F3	BSR
6.	AR08-186012	LS97-3004 x Soygenetics 96-20403	Cianzio	F3	SDS
7.	AR08-186015	Garst-Agripro 98194-A01-27440 x Ripley	Cianzio	F3	SDS
8.	AR08-186020	Garst-Agripro 98180-A01-06131 x AR03-361067	Cianzio	F3	BSR
9.	AR08-286001	AR02-101002 x Garst-Agripro 97023-A99-03284	Cianzio	F3	BSR
10.	AR08-286003	Garst-Agripro 98620-B01-51163 x AR02-101001	Cianzio	F3	BSR
11.	AR08-286060	Garst-Agripro 98620-B01-51163 x AR03-361067	Cianzio	F3	BSR
12.	E07021	A02-381100 x Loda	Wang	F5	
13.	E07038	IA2066 x Loda	Wang	F5	
14.	E07040	IA2066 x Loda	Wang	F5	
15.	E07048	IA3017 x Loda	Wang	F5	
16.	E07051	IA3017 x Loda	Wang	F5	
17.	E07075	Loda x A02-381046	Wang	F5	
18.	E07078	Loda x A02-381100	Wang	F5	
19.	E07080	Loda x A02-381100	Wang	F5	
20.	E07087	Loda x IA2066	Wang	F5	
21.	E07090	Loda x IA2066	Wang	F5	
22.	LD06-2009	U97-201128 x U98-307162	Diers	F5	
23.	U06-100043	CLOJ173-6 x U98-307917	Graef	F5	
24.	U06-100113	CLOJ173-6 x U98-307917	Graef	F5	
25.	U06-100136	CLOJ173-6 x U98-307917	Graef	F5	dt
26.	U06-100914	CLOJ173-6 x U98-307917	Graef	F4	
27.	U06-102316	UX1877 x U00-424033	Graef	F4	
28.	U06-102438	UX1877 x U00-424033	Graef	F4	
29.	U06-103421	NE2801 x U01-290680	Graef	F4	
30.	U06-103459	NE2801 x U01-290680	Graef	F4	
31.	U06-103715	RMLPC1-311-128-045 x NE2801	Graef	F4	
32.	U06-104273	U01-290680 x NE3202	Graef	F4	dt
33.	U06-104311	U01-290680 x NE3202	Graef	F4	
34.	U06-104326	U01-290680 x NE3202	Graef	F4	
35.	U06-206640	U00-408032-048 x NE3202	Graef	F4	dt
36.	U06-206701	U00-408032-048 x U00-405036-031	Graef	F4	
37.	U06-230133	U02-140131 x NE3202	Graef	F4	

PRELIMINARY TEST IIB, 2009

DESCRIPTIVE AND DISEASE DATA

Strain	Descriptive Code	Chlorosis	Green Stem	Shattering	PR		FE
		Score Humboldt IA	Score Harrow ONT	Score Ashland KS	Lafayette Race 4	Race 7	Laf. a rx.
IA2094 (II)	PTTSYYI	3.9	1.0	1.0	S	S	S
IA1022 (SCN)	PGTIYYI	3.3	1.0	1.0	S	S	S
IA3024	PGTDYIbI	3.0	1.0	1.0	R*	R*	S
AR07-761008	PTBDYBII	4.5	1.0	-	R	S*	S
AR08-186004	WTBDYBrI	3.0	1.0	1.0	S	S	S
AR08-186012	PTTSYBrI	3.1	1.0	1.0	S	S	-
AR08-186015	PT+LtB+TDYBrI	3.8	1.0	1.0	S	S	S
AR08-186020	PLtTDYBrI	3.3	1.0	1.0	S	S	S
AR08-286001	P+WLtTDYBrI	3.4	1.0	1.0	S	S	S
AR08-286003	PTTDYBII	3.0	1.0	1.0	S	S	S
AR08-286060	PLtTDYBrI	3.1	1.0	1.0	R*	R*	S
E07021	PGBDYIbI	3.6	1.0	1.0	S	S	S
E07038	PGBDYIbI	4.3	1.0	1.0	R	S	S
E07040	PG+TDYGI	2.9	1.0	1.0	S	S	S
E07048	PGBDYGI	3.1	1.0	1.0	R*	R*	S
E07051	PGBDYIbI	3.1	1.0	1.0	R*	R*	S
E07075	PGBDYLtGI	3.4	1.0	1.0	S	H*	S
E07078	PGBDYIbI	3.8	1.0	1.0	H*	H*	S
E07080	PTBIYG+BII	3.8	1.0	1.0	R*	R*	S
E07087	PTBDYBII	3.8	1.0	1.0	S	S	S
E07090	PGBDYIbI	3.9	1.0	1.0	S	S	S
LD06-2009	WltBDYBrI	3.6	1.0	1.0	S	R*	S
U06-100043	WltBDYBII	4.0	1.0	1.0	R*	S	S
U06-100113	WltBDYBII	3.6	1.0	1.0	S	S	S
U06-100136	WltTDYBID	3.8	1.0	1.0	R*	S	S
U06-100914	WltTDYBII	3.4	1.0	1.0	R*	S	S
U06-102316	WltBDYBII	4.1	1.0	1.0	S	S	S
U06-102438	WltBDYBII	3.5	1.0	1.0	S	S	S
U06-103421	WGTIYBfD	3.4	1.0	1.0	R*	R*	-
U06-103459	WGTIYBfI	3.8	1.0	1.0	H*	H*	S
U06-103715	WGTIYBfI	3.0	1.0	1.0	R*	R*	S
U06-104273	WTBDYGD	4.0	1.0	1.0	S	S	S
U06-104311	WTBIYGI	3.1	1.0	1.0	S	S	S
U06-104326	WGBSYYI	3.4	1.0	1.0	S	S	S
U06-206640	PGBIYIbD	3.4	1.0	1.0	S	S	S
U06-206701	PGTDYIbI	3.4	1.0	1.0	S	S	S
U06-230133	PGBDYY+LtGI	2.9	1.0	1.0	R*	R*	S

PR: * = *P. sojae* inoc. Reaction NOT compatible with breeder's information about *Rps* Trait

FE: S = susceptible, - = lesions not detected, x = no data

PRELIMINARY TEST IIB, 2009

REGIONAL SUMMARY

No. of Tests Strain	Yield 12 bu/a	Rank 12 No.	Maturity 10 Date	Lodging 10 Score	Plant Height 9 In.	Seed Quality 6 Score	Seed Size 11 g/100	Composition	
								Protein 9 %	Oil 9 %
IA2094 (II)	65.3	6	9/23	1.2	31	1.3	17.5	34.4	17.9
IA1022 (SCN)	59.3	29	-4.2	1.2	28	1.4	16.7	33.4	19.5
IA3024	66.4	3	4.4	1.1	33	1.4	17.8	32.3	18.4
AR07-761008	59.3	29	-3.9	1.1	30	1.3	17.5	34.1	18.1
AR08-186004	60.4	24	-2.0	1.3	29	1.3	15.5	33.5	18.3
AR08-186012	59.5	27	-1.3	1.2	31	1.1	15.5	34.1	18.0
AR08-186015	58.7	32	2.5	1.3	32	1.3	18.6	34.4	17.0
AR08-186020	66.6	2	-0.6	1.1	33	1.3	17.3	33.9	17.7
AR08-286001	65.4	5	1.4	1.1	29	1.2	20.0	34.6	17.9
AR08-286003	68.3	1	4.0	1.3	34	1.7	18.7	35.5	18.0
AR08-286060	63.4	12	-1.5	1.1	30	1.1	15.1	33.8	17.9
E07021	62.3	18	7.4	1.3	32	1.5	19.2	34.7	17.4
E07038	58.5	33	0.9	1.0	32	1.2	19.2	34.4	18.0
E07040	57.0	37	-3.6	1.0	26	1.5	18.2	34.9	17.9
E07048	65.7	4	3.2	1.5	32	1.6	17.8	33.2	18.2
E07051	61.3	19	-2.1	1.1	28	1.2	19.6	33.4	18.5
E07075	59.0	31	3.6	1.1	28	1.3	18.8	33.9	17.6
E07078	58.5	33	5.7	1.4	32	1.5	18.0	33.2	18.6
E07080	59.7	26	2.2	1.4	33	1.8	20.5	34.7	17.7
E07087	63.3	14	1.5	1.1	34	1.6	17.4	33.1	18.1
E07090	59.5	27	7.0	1.1	33	1.5	16.7	33.6	17.9
LD06-2009	64.4	7	0.6	1.1	31	1.3	16.8	33.4	17.8
U06-100043	63.6	10	6.5	1.3	33	1.6	16.3	35.0	17.7
U06-100113	62.4	17	6.4	1.5	37	1.8	15.7	33.9	17.5
U06-100136	63.9	9	4.4	1.1	30	1.6	15.4	33.1	17.6
U06-100914	64.0	8	4.3	1.4	33	1.6	14.0	34.3	17.5
U06-102316	63.4	12	5.0	1.2	33	1.2	15.8	33.7	17.7
U06-102438	63.0	15	3.6	1.3	34	1.3	16.1	33.5	18.1
U06-103421	63.5	11	0.9	1.4	31	1.3	17.1	32.4	19.2
U06-103459	61.1	21	2.5	1.2	31	1.4	16.7	33.3	19.0
U06-103715	61.0	22	4.5	1.6	34	1.3	14.4	33.1	18.7
U06-104273	60.7	23	1.0	1.2	29	1.6	17.6	33.7	18.0
U06-104311	57.6	36	0.7	1.5	31	1.3	15.6	34.1	17.8
U06-104326	59.8	25	3.8	1.5	32	1.4	16.7	33.3	19.1
U06-206640	58.5	33	2.4	1.6	33	1.3	17.9	32.2	18.9
U06-206701	62.6	16	2.0	1.1	29	1.3	17.7	33.1	18.3
U06-230133	61.3	19	2.1	1.3	32	1.9	16.9	30.0	19.2

127.4 Days After Planting

PRELIMINARY TEST IIB, 2009

YIELD (bu/a)

Strain	Mean 12 Tests	Ames IA	Rippey IA	Urbana IL	Lafayette IN	Ingham County MI	Beermer NE
IA2094 (II)	65.3	60.0	41.3	63.1	45.8	67.6	69.4
IA1022 (SCN)	59.3	59.1	41.1	46.3	41.6	58.5	64.0
IA3024	66.4	65.3	51.3	63.5	51.7	60.0	69.3
AR07-761008	59.3	50.1	57.0	57.1	50.3	54.0	63.0
AR08-186004	60.4	54.5	44.5	54.8	48.0	58.8	62.2
AR08-186012	59.5	58.9	41.7	47.8	47.3	58.8	58.4
AR08-186015	58.7	50.9	42.4	62.3	50.4	56.0	57.3
AR08-186020	66.6	64.8	55.6	61.4	58.7	68.9	67.3
AR08-286001	65.4	65.2	48.3	66.0	53.7	49.3	70.2
AR08-286003	68.3	61.4	48.9	69.6	54.0	68.6	67.9
AR08-286060	63.4	64.3	58.7	63.4	49.5	60.9	62.1
E07021	62.3	66.2	46.1	70.3	50.2	56.4	62.5
E07038	58.5	57.5	49.1	61.5	53.4	54.0	59.1
E07040	57.0	57.7	46.8	49.9	49.5	57.3	52.2
E07048	65.7	66.8	56.8	66.3	58.8	59.7	67.7
E07051	61.3	63.0	53.5	55.5	52.8	54.4	61.8
E07075	59.0	56.1	44.6	54.9	52.0	51.4	62.5
E07078	58.5	60.6	48.7	60.3	53.5	52.6	59.2
E07080	59.7	57.2	52.0	62.0	53.1	55.1	60.6
E07087	63.3	65.2	50.4	63.8	53.8	57.7	68.9
E07090	59.5	65.8	49.0	64.6	52.8	47.7	58.7
LD06-2009	64.4	65.6	42.8	64.3	50.9	62.4	64.2
U06-100043	63.6	67.8	48.4	70.2	55.2	49.7	70.1
U06-100113	62.4	57.5	45.0	71.3	54.2	53.8	62.7
U06-100136	63.9	61.9	49.2	72.7	53.3	47.0	69.7
U06-100914	64.0	60.8	53.6	62.6	51.0	58.4	63.8
U06-102316	63.4	65.4	46.2	70.8	51.0	55.0	64.4
U06-102438	63.0	63.5	46.5	58.1	53.2	55.0	61.7
U06-103421	63.5	64.1	52.8	61.2	54.8	56.5	61.5
U06-103459	61.1	65.1	40.2	66.6	47.6	46.8	60.6
U06-103715	61.0	56.5	46.8	65.6	53.2	50.1	65.1
U06-104273	60.7	63.0	38.6	61.5	48.1	58.8	57.3
U06-104311	57.6	58.5	41.8	59.3	46.0	56.4	59.7
U06-104326	59.8	66.2	39.8	43.2	49.9	59.4	59.7
U06-206640	58.5	55.9	38.0	60.7	53.3	39.6	67.7
U06-206701	62.6	60.1	48.9	61.1	48.5	55.4	70.2
U06-230133	61.3	61.5	38.9	53.7	54.6	62.3	61.8
Location Mean		61.2	47.1	61.3	51.5	56.1	63.4
C.V. (%)		9.7	14.4	10.5	6.3	12.0	3.8
L.S.D. (5%)		12.0	13.8	13.0	6.6	12.3	5.8
Row Sp. (In.)		27	27	30	30	15	30
Rows/Plot		4	4	4	4	6	4
Reps		2	2	2	2	2	2

*Data not included in mean.

PRELIMINARY TEST IIB, 2009

YIELD (bu/a)

Strain	Cotesfield NE	Phillips NE	Hoytville OH	Chatham ONT	Harrow ONT	Aurora SD
IA2094 (II)	87.1	83.4	60.0	69.7	90.5	46.1
IA1022 (SCN)	77.8	78.4	51.9	62.9	83.4	46.7
IA3024	89.0	91.3	65.0	63.9	88.8	37.9
AR07-761008	78.4	78.5	48.8	56.5	83.6	34.8
AR08-186004	72.7	78.7	58.6	57.4	86.7	47.8
AR08-186012	76.4	79.2	55.9	64.7	83.6	41.7
AR08-186015	82.4	78.9	53.1	53.1	74.8	43.3
AR08-186020	84.4	91.3	56.4	63.1	86.5	40.8
AR08-286001	90.9	87.8	58.3	58.8	89.4	46.6
AR08-286003	84.7	94.8	62.3	71.5	92.0	43.5
AR08-286060	87.0	78.5	62.4	55.7	82.7	35.8
E07021	77.3	73.0	67.0	61.3	86.2	30.6
E07038	73.8	63.8	58.8	58.0	79.5	33.1
E07040	77.9	74.1	55.7	54.8	75.4	33.3
E07048	79.5	74.8	60.2	68.8	87.9	40.7
E07051	80.2	77.9	52.2	59.1	84.0	40.8
E07075	75.5	78.5	65.6	59.2	75.3	32.4
E07078	72.1	62.3	62.9	64.6	78.7	26.2
E07080	81.1	67.2	59.0	59.3	79.4	30.2
E07087	77.0	82.6	56.7	63.7	82.4	37.9
E07090	72.3	72.5	57.7	62.4	81.1	29.4
LD06-2009	81.6	85.5	62.8	67.4	86.1	39.1
U06-100043	82.2	77.0	62.4	62.3	89.9	28.7
U06-100113	82.8	82.3	61.4	62.8	84.7	30.7
U06-100136	89.4	86.0	61.9	60.1	84.9	30.6
U06-100914	83.3	88.4	62.3	61.2	86.8	36.3
U06-102316	80.2	85.5	65.3	54.8	87.3	34.4
U06-102438	88.2	90.0	59.8	60.8	84.5	34.3
U06-103421	84.9	87.3	59.5	56.7	95.3	27.0
U06-103459	78.6	79.4	58.5	68.2	93.4	27.8
U06-103715	85.0	79.7	60.3	59.7	88.7	20.9
U06-104273	86.5	88.5	53.8	58.7	87.1	26.1
U06-104311	77.3	78.5	47.5	63.4	80.3	22.3
U06-104326	81.3	82.3	66.6	58.4	83.6	26.8
U06-206640	82.0	83.2	57.7	55.2	78.4	30.6
U06-206701	87.5	88.4	60.1	54.3	81.7	35.5
U06-230133	83.0	81.8	62.1	57.3	82.6	36.4
Location Mean	81.4	80.8	59.2	60.8	84.5	34.8
C.V. (%)	4.5	4.6	7.9	8.8	2.9	7.3
L.S.D. (5%)	9.0	9.2	9.5	9.1	4.1	5.1
Row Sp. (In.)	30	30	7.5	17	17	30
Rows/Plot	4	4	8	5	5	4
Reps	2	2	2	2	2	2

PRELIMINARY TEST IIB, 2009

YIELD RANK

Strain	Yield Rank	Ames IA	Rippey IA	Urbana IL	Lafayette IN	Ingham County MI	Beermer NE
IA2094 (II)	6	24	31	16	36	3	5
IA1022 (SCN)	29	25	32	36	37	13	15
IA3024	3	8	9	14	20	7	6
AR07-761008	29	37	2	29	25	26	17
AR08-186004	24	35	26	32	32	10	21
AR08-186012	27	26	30	35	34	11	34
AR08-186015	32	36	28	18	24	20	35
AR08-186020	2	12	4	22	2	1	11
AR08-286001	5	9	18	9	9	33	1
AR08-286003	1	20	14	6	7	2	8
AR08-286060	12	13	1	15	28	6	22
E07021	18	3	23	4	26	18	19
E07038	33	29	12	20	11	27	32
E07040	37	28	19	34	28	16	37
E07048	4	2	3	8	1	8	9
E07051	19	16	6	30	17	25	23
E07075	31	33	25	31	19	30	20
E07078	33	22	16	26	10	29	31
E07080	26	31	8	19	16	22	27
E07087	14	9	10	13	8	15	7
E07090	27	5	13	11	17	34	33
LD06-2009	7	6	27	12	23	4	14
U06-100043	10	1	17	5	3	32	3
U06-100113	17	29	24	2	6	28	18
U06-100136	9	18	11	1	12	35	4
U06-100914	8	21	5	17	21	14	16
U06-102316	12	7	22	3	21	23	13
U06-102438	15	15	21	28	14	24	25
U06-103421	11	14	7	23	4	17	26
U06-103459	21	11	33	7	33	36	28
U06-103715	22	32	19	10	14	31	12
U06-104273	23	16	36	21	31	12	36
U06-104311	36	27	29	27	35	19	29
U06-104326	25	3	34	37	27	9	30
U06-206640	33	34	37	25	12	37	10
U06-206701	16	23	14	24	30	21	2
U06-230133	19	19	35	33	5	5	24

PRELIMINARY TEST IIB, 2009

YIELD RANK

Strain	Cotesfield NE	Phillips NE	Hoytville OH	Chatham ONT	Harrow ONT	Aurora SD
IA2094 (II)	6	13	17	2	4	4
IA1022 (SCN)	28	28	33	12	24	2
IA3024	3	2	5	8	7	12
AR07-761008	26	24	34	31	21	18
AR08-186004	35	23	22	28	13	1
AR08-186012	32	21	28	6	21	7
AR08-186015	16	22	31	37	38	6
AR08-186020	12	3	27	11	14	9
AR08-286001	1	8	24	24	6	3
AR08-286003	11	1	10	1	3	5
AR08-286060	7	25	9	32	25	16
E07021	29	33	1	16	15	25
E07038	34	36	21	27	31	22
E07040	27	32	29	34	35	21
E07048	24	31	15	3	9	10
E07051	22	29	32	23	20	8
E07075	33	26	3	22	36	23
E07078	37	37	7	7	33	34
E07080	21	35	20	21	32	28
E07087	31	15	26	9	27	13
E07090	36	34	25	14	29	29
LD06-2009	19	11	8	5	16	11
U06-100043	17	30	9	15	5	30
U06-100113	15	16	13	13	18	24
U06-100136	2	10	12	19	17	26
U06-100914	13	6	10	17	12	15
U06-102316	23	12	4	35	10	19
U06-102438	4	4	18	18	19	20
U06-103421	10	9	19	30	1	32
U06-103459	25	20	23	4	2	31
U06-103715	9	19	14	20	8	37
U06-104273	8	5	30	25	11	35
U06-104311	30	27	35	10	30	36
U06-104326	20	17	2	26	21	33
U06-206640	18	14	25	33	34	27
U06-206701	5	7	16	36	28	17
U06-230133	14	18	11	29	26	14

PRELIMINARY TEST IIB, 2009

MATURITY (date)

Strain	Mean 10 Tests	Ames IA	Rippey IA	Urbana IL	Lafayette IN	Ingham County MI	Beermer NE
IA2094 (II)	9/23	9/19		9/16	9/26	9/29	
IA1022 (SCN)	-4.2	-4		-8	-6	-4	
IA3024	4.4	5		1	4	1	
AR07-761008	-3.9	-6		-3	-4	-5	
AR08-186004	-2.0	-3		-2	-3	-3	
AR08-186012	-1.3	-2		-2	-2	-2	
AR08-186015	2.5	2		2	3	2	
AR08-186020	-0.6	0		0	-2	0	
AR08-286001	1.4	1		0	2	-1	
AR08-286003	4.0	3		4	7	2	
AR08-286060	-1.5	-2		0	-2	-1	
E07021	7.4	7		10	12	4	
E07038	0.9	1		5	2	1	
E07040	-3.6	-4		-3	-3	-3	
E07048	3.2	3		3	4	1	
E07051	-2.1	-3		0	0	-3	
E07075	3.6	3		6	3	2	
E07078	5.7	5		7	9	3	
E07080	2.2	1		4	4	3	
E07087	1.5	2		0	1	2	
E07090	7.0	7		10	9	4	
LD06-2009	0.6	1		1	0	1	
U06-100043	6.5	6		8	8	5	
U06-100113	6.4	6		9	8	5	
U06-100136	4.4	5		6	8	3	
U06-100914	4.3	4		6	5	2	
U06-102316	5.0	4		6	5	5	
U06-102438	3.6	3		3	6	1	
U06-103421	0.9	1		0	1	-1	
U06-103459	2.5	3		2	2	1	
U06-103715	4.5	3		6	8	0	
U06-104273	1.0	1		0	0	2	
U06-104311	0.7	1		0	-1	1	
U06-104326	3.8	4		-2	4	3	
U06-206640	2.4	2		5	1	-2	
U06-206701	2.0	4		2	3	0	
U06-230133	2.1	1		0	2	1	
Date Planted	5/19	5/8	5/21	5/23	5/26	5/20	5/15
Days to Mature	127	134		116	123	132	

PRELIMINARY TEST IIB, 2009

MATURITY (date)

Strain	Cotesfield NE	Phillips NE	Hoytville OH	Chatham ONT	Harrow ONT	Aurora SD
IA2094 (II)	9/29	9/23	9/12	9/25	9/24	10/1
IA1022 (SCN)	-2	-3	-3	-5	-5	-2
IA3024	7	8	5	3	2	8
AR07-761008	-3	-5	-3	-5	-4	-1
AR08-186004	0	-1	-2	-2	-3	-1
AR08-186012	1	0	-1	0	-2	-3
AR08-186015	1	2	3	1	1	8
AR08-186020	0	2	-2	0	-1	-3
AR08-286001	-1	2	3	1	1	6
AR08-286003	5	6	3	2	2	6
AR08-286060	-1	-1	-2	-2	-2	-2
E07021	8	6	7	8	4	8
E07038	2	-1	3	0	-4	0
E07040	-6	-6	-1	-2	-4	-4
E07048	4	6	2	2	2	5
E07051	-3	-2	-3	0	-3	-4
E07075	6	2	5	1	3	5
E07078	6	4	6	7	2	8
E07080	4	-1	2	1	0	4
E07087	2	2	2	0	0	4
E07090	10	9	7	6	8	-
LD06-2009	1	2	1	0	0	-1
U06-100043	11	7	6	8	6	-
U06-100113	9	8	6	7	6	-
U06-100136	6	5	3	3	5	-
U06-100914	10	6	2	4	4	-
U06-102316	7	5	5	6	4	3
U06-102438	4	4	4	1	2	8
U06-103421	7	3	1	0	-1	-2
U06-103459	4	4	2	2	0	5
U06-103715	10	7	2	2	3	4
U06-104273	2	2	2	1	0	0
U06-104311	2	2	1	0	1	0
U06-104326	9	8	3	1	4	4
U06-206640	4	3	1	0	2	8
U06-206701	2	3	2	0	0	4
U06-230133	4	4	2	0	0	7
Date Planted	5/19	5/18	5/12	5/25	5/29	5/12
Days to Mature	133	128	123	123	118	142

PRELIMINARY TEST IIB, 2009

LODGING (score)

Strain	Mean 10 Tests	Ames IA	Rippey IA	Urbana IL	Lafayette IN	Ingham County MI	Beermer NE
IA2094 (II)	1.2	1.5	1.3	1.3	1.0	2.0	
IA1022 (SCN)	1.2	1.8	1.0	1.0	1.0	1.5	
IA3024	1.1	1.3	1.3	1.3	1.0	1.0	
AR07-761008	1.1	1.3	1.3	1.0	1.0	1.5	
AR08-186004	1.3	1.0	1.3	2.0	1.0	1.5	
AR08-186012	1.2	1.5	1.0	1.0	1.0	1.0	
AR08-186015	1.3	1.0	1.5	1.5	1.0	2.0	
AR08-186020	1.1	1.3	1.0	1.3	1.0	1.5	
AR08-286001	1.1	1.3	1.3	1.0	1.0	1.0	
AR08-286003	1.3	1.3	1.3	1.5	1.0	1.5	
AR08-286060	1.1	1.0	1.3	1.3	1.0	1.0	
E07021	1.3	1.5	1.5	1.3	1.0	1.5	
E07038	1.0	1.0	1.0	1.3	1.0	1.0	
E07040	1.0	1.0	1.0	1.0	1.0	1.0	
E07048	1.5	2.0	1.5	1.8	1.0	1.5	
E07051	1.1	1.0	1.5	1.0	1.0	1.0	
E07075	1.1	1.3	1.3	1.0	1.0	1.0	
E07078	1.4	2.0	1.5	1.3	1.0	2.0	
E07080	1.4	2.0	1.5	1.5	1.0	2.0	
E07087	1.1	1.3	1.3	1.3	1.0	1.0	
E07090	1.1	1.5	1.5	1.0	1.0	1.0	
LD06-2009	1.1	1.3	1.3	1.0	1.0	1.0	
U06-100043	1.3	1.3	1.5	1.0	1.0	2.0	
U06-100113	1.5	1.3	2.0	2.0	1.0	2.5	
U06-100136	1.1	1.3	1.3	1.3	1.0	1.0	
U06-100914	1.4	1.3	1.3	1.5	1.0	2.5	
U06-102316	1.2	1.5	1.3	1.5	1.0	1.0	
U06-102438	1.3	1.0	1.8	1.5	1.0	1.5	
U06-103421	1.4	1.5	1.5	2.3	1.0	1.0	
U06-103459	1.2	1.5	1.3	2.0	1.0	1.0	
U06-103715	1.6	1.8	2.0	3.0	1.0	1.5	
U06-104273	1.2	1.3	1.5	2.0	1.0	1.0	
U06-104311	1.5	2.0	1.8	2.3	1.0	2.0	
U06-104326	1.5	1.8	1.5	1.5	1.0	2.0	
U06-206640	1.6	1.8	1.8	3.0	1.0	1.0	
U06-206701	1.1	1.3	1.3	1.3	1.0	1.0	
U06-230133	1.3	1.5	1.5	1.0	1.0	1.5	

PRELIMINARY TEST IIB, 2009

LODGING (score)

Strain	Cotesfield NE	Phillips NE	Hoytville OH	Chatham ONT	Harrow ONT	Aurora SD
IA2094 (II)		1.0	1.0	1.0	1.0	1.0
IA1022 (SCN)		1.0	1.0	1.0	1.0	2.0
IA3024		1.0	1.0	1.0	1.0	1.0
AR07-761008		1.0	1.0	1.0	1.0	1.0
AR08-186004		2.0	1.0	1.0	1.0	1.0
AR08-186012		1.0	1.0	1.0	1.0	2.0
AR08-186015		1.0	1.0	1.0	1.0	2.0
AR08-186020		1.0	1.0	1.0	1.0	1.0
AR08-286001		1.0	1.0	1.0	1.0	1.0
AR08-286003		1.0	1.0	1.0	1.0	2.0
AR08-286060		1.0	1.0	1.0	1.0	1.0
E07021		1.0	1.0	1.0	1.0	2.0
E07038		1.0	1.0	1.0	1.0	1.0
E07040		1.0	1.0	1.0	1.0	1.0
E07048		2.0	1.0	1.0	1.0	2.0
E07051		1.0	1.0	1.0	1.0	1.0
E07075		1.0	1.0	1.0	1.0	1.0
E07078		1.0	1.0	1.0	1.0	2.0
E07080		1.0	1.0	1.0	1.0	2.0
E07087		1.0	1.0	1.0	1.0	1.0
E07090		1.0	1.0	1.0	1.0	1.0
LD06-2009		1.0	1.0	1.0	1.0	1.0
U06-100043		1.5	1.0	1.0	1.0	2.0
U06-100113		1.5	1.0	1.0	1.0	2.0
U06-100136		1.0	1.0	1.0	1.0	1.0
U06-100914		2.0	1.0	1.0	1.0	1.0
U06-102316		1.0	1.0	1.0	1.0	2.0
U06-102438		1.0	1.0	1.0	1.0	2.0
U06-103421		1.5	1.0	1.0	1.0	2.0
U06-103459		1.0	1.0	1.0	1.0	1.0
U06-103715		2.5	1.0	1.0	1.0	1.0
U06-104273		1.0	1.0	1.0	1.0	1.0
U06-104311		2.0	1.0	1.0	1.0	1.0
U06-104326		2.0	1.0	1.0	1.5	2.0
U06-206640		2.0	1.0	1.0	1.0	2.0
U06-206701		1.5	1.0	1.0	1.0	1.0
U06-230133		1.0	1.0	1.0	1.0	2.0

PRELIMINARY TEST IIB, 2009

PLANT HEIGHT (inches)

Strain	Mean 9 Tests	Ames IA	Rippey IA	Urbana IL	Lafayette IN	Ingham County MI	Beermer NE
IA2094 (II)	31	30	28	32	29	34	
IA1022 (SCN)	28	32	26	26	25	27	
IA3024	33	36	32	33	30	30	
AR07-761008	30	29	30	28	30	29	
AR08-186004	29	29	28	27	28	27	
AR08-186012	31	33	27	26	30	33	
AR08-186015	32	33	28	33	30	32	
AR08-186020	33	33	31	32	31	32	
AR08-286001	29	35	27	31	27	26	
AR08-286003	34	31	31	34	32	34	
AR08-286060	30	28	31	30	27	31	
E07021	32	35	29	32	27	31	
E07038	32	33	30	32	29	31	
E07040	26	26	23	22	25	30	
E07048	32	33	31	29	31	29	
E07051	28	29	28	27	26	29	
E07075	28	30	25	26	24	28	
E07078	32	33	32	30	31	34	
E07080	33	32	30	30	31	35	
E07087	34	35	32	33	30	33	
E07090	33	36	31	33	29	32	
LD06-2009	31	34	28	32	28	32	
U06-100043	33	35	29	34	27	36	
U06-100113	37	36	35	37	34	39	
U06-100136	30	31	25	35	25	30	
U06-100914	33	34	33	34	28	32	
U06-102316	33	37	31	33	30	33	
U06-102438	34	37	32	33	30	31	
U06-103421	31	31	32	27	29	29	
U06-103459	31	32	26	31	30	31	
U06-103715	34	38	35	38	32	33	
U06-104273	29	31	26	28	28	29	
U06-104311	31	31	29	32	29	32	
U06-104326	32	35	29	31	29	34	
U06-206640	33	35	34	32	32	27	
U06-206701	29	29	27	31	26	25	
U06-230133	32	34	30	31	30	30	

PRELIMINARY TEST IIB, 2009

PLANT HEIGHT (inches)

Strain	Cotesfield NE	Phillips NE	Hoytville OH	Chatham ONT	Harrow ONT	Aurora SD
IA2094 (II)			28	36	30	36
IA1022 (SCN)			25	29	27	35
IA3024			31	35	33	38
AR07-761008			24	34	31	34
AR08-186004			29	30	31	35
AR08-186012			28	33	32	35
AR08-186015			30	32	33	38
AR08-186020			28	33	35	38
AR08-286001			26	30	27	32
AR08-286003			29	36	33	42
AR08-286060			26	31	31	32
E07021			29	36	32	35
E07038			30	33	34	34
E07040			25	28	27	28
E07048			28	35	33	38
E07051			23	31	27	33
E07075			24	32	29	32
E07078			30	36	32	32
E07080			31	34	32	38
E07087			31	36	35	40
E07090			28	34	32	38
LD06-2009			28	32	30	36
U06-100043			28	32	34	42
U06-100113			33	38	39	43
U06-100136			26	33	30	32
U06-100914			27	38	34	37
U06-102316			31	34	34	37
U06-102438			31	37	35	38
U06-103421			28	31	33	37
U06-103459			31	32	32	31
U06-103715			29	35	36	33
U06-104273			29	33	31	30
U06-104311			29	37	31	31
U06-104326			31	33	34	33
U06-206640			30	32	37	39
U06-206701			27	30	31	35
U06-230133			29	34	32	38

PRELIMINARY TEST IIB, 2009

SEED QUALITY (score)

Strain	Mean 6 Tests	Ames IA	Rippey IA	Urbana IL	Lafayette IN	Ingham County MI	Beermer NE
IA2094 (II)	1.3			1.0	1.0		
IA1022 (SCN)	1.4			2.0	1.0		
IA3024	1.4			1.0	1.0		
AR07-761008	1.3			1.0	1.0		
AR08-186004	1.3			1.0	1.0		
AR08-186012	1.1			1.0	1.0		
AR08-186015	1.3			1.0	1.0		
AR08-186020	1.3			2.0	1.0		
AR08-286001	1.2			1.0	1.0		
AR08-286003	1.7			2.0	1.0		
AR08-286060	1.1			1.0	1.0		
E07021	1.5			1.0	1.0		
E07038	1.2			1.0	1.0		
E07040	1.5			1.0	1.5		
E07048	1.6			2.0	1.5		
E07051	1.2			1.0	1.0		
E07075	1.3			1.0	1.0		
E07078	1.5			1.0	1.0		
E07080	1.8			2.0	1.0		
E07087	1.6			1.0	1.0		
E07090	1.5			1.0	1.0		
LD06-2009	1.3			1.0	1.0		
U06-100043	1.6			1.0	1.0		
U06-100113	1.8			1.0	1.0		
U06-100136	1.6			1.0	1.0		
U06-100914	1.6			1.0	1.0		
U06-102316	1.2			1.0	1.0		
U06-102438	1.3			1.0	1.0		
U06-103421	1.3			1.0	1.0		
U06-103459	1.4			1.0	1.0		
U06-103715	1.3			1.0	1.0		
U06-104273	1.6			1.0	1.0		
U06-104311	1.3			1.0	1.0		
U06-104326	1.4			1.0	1.0		
U06-206640	1.3			1.0	1.0		
U06-206701	1.3			1.0	1.5		
U06-230133	1.9			2.0	1.5		

PRELIMINARY TEST IIB, 2009

SEED QUALITY (score)

Strain	Cotesfield NE	Phillips NE	Hoytville OH	Chatham ONT	Harrow ONT	Aurora SD
IA2094 (II)			1.0	2.0	1.0	2.0
IA1022 (SCN)			1.0	1.5	1.0	2.0
IA3024			1.0	1.5	1.0	3.0
AR07-761008			1.0	1.5	1.0	2.0
AR08-186004			1.0	1.5	1.0	2.0
AR08-186012			1.0	1.5	1.0	1.0
AR08-186015			1.0	1.0	1.0	3.0
AR08-186020			1.0	1.0	1.0	2.0
AR08-286001			1.0	1.0	1.0	2.0
AR08-286003			2.0	1.0	1.0	3.0
AR08-286060			1.0	1.5	1.0	1.0
E07021			1.0	1.0	1.0	4.0
E07038			1.0	1.0	1.0	2.0
E07040			1.0	2.5	1.0	2.0
E07048			1.0	2.0	1.0	2.0
E07051			1.0	1.0	1.0	2.0
E07075			1.0	1.5	1.0	2.0
E07078			1.0	1.0	1.0	4.0
E07080			1.0	2.0	1.0	4.0
E07087			2.0	1.5	1.0	3.0
E07090			1.0	1.0	1.0	4.0
LD06-2009			1.0	1.5	1.0	2.0
U06-100043			1.0	1.5	1.0	4.0
U06-100113			1.0	1.5	1.0	5.0
U06-100136			1.0	1.5	1.0	4.0
U06-100914			1.0	1.5	1.0	4.0
U06-102316			1.0	1.0	1.0	2.0
U06-102438			1.0	1.0	1.0	3.0
U06-103421			1.0	1.5	1.0	2.0
U06-103459			1.0	1.5	1.0	3.0
U06-103715			1.0	1.5	1.0	2.0
U06-104273			1.0	2.5	1.0	3.0
U06-104311			1.0	2.0	1.0	2.0
U06-104326			1.0	1.5	1.0	3.0
U06-206640			1.0	1.0	1.0	3.0
U06-206701			1.0	1.5	1.0	2.0
U06-230133			2.0	2.0	1.0	3.0

PRELIMINARY TEST IIB, 2009

SEED SIZE g/100

Strain	Mean 11 Tests	Ames IA	Rippey IA	Urbana IL	Lafayette IN	Ingham County MI	Beermer NE
IA2094 (II)	17.5	17.1	16.9	17.2	18.3	18.0	
IA1022 (SCN)	16.7	15.9	15.6	16.4	18.5	16.5	
IA3024	17.8	17.1	16.6	18.0	17.5	17.5	
AR07-761008	17.5	17.2	17.2	18.8	18.2	16.9	
AR08-186004	15.5	15.1	15.3	14.4	17.1	15.5	
AR08-186012	15.5	15.4	15.0	16.2	16.2	15.5	
AR08-186015	18.6	18.5	17.9	20.8	20.0	18.1	
AR08-186020	17.3	17.4	16.9	17.6	18.4	16.6	
AR08-286001	20.0	19.6	18.3	20.7	20.3	18.6	
AR08-286003	18.7	17.2	17.4	19.1	20.5	19.3	
AR08-286060	15.1	15.1	14.6	15.6	16.2	15.4	
E07021	19.2	20.2	18.8	22.2	20.4	17.9	
E07038	19.2	18.7	19.0	20.4	21.0	18.5	
E07040	18.2	17.6	16.9	18.7	19.7	17.7	
E07048	17.8	17.8	17.6	18.1	19.1	16.9	
E07051	19.6	20.2	19.2	20.2	20.4	18.7	
E07075	18.8	18.6	18.2	19.1	19.9	18.0	
E07078	18.0	19.2	18.1	19.4	19.8	16.9	
E07080	20.5	20.3	20.4	22.5	22.9	19.5	
E07087	17.4	13.7	17.8	19.0	18.6	17.6	
E07090	16.7	16.9	16.7	18.9	17.2	16.6	
LD06-2009	16.8	16.8	15.4	18.1	17.1	17.2	
U06-100043	16.3	16.0	15.3	17.0	17.6	17.8	
U06-100113	15.7	14.8	15.0	17.2	16.4	16.5	
U06-100136	15.4	15.0	14.7	16.6	15.6	16.4	
U06-100914	14.0	13.5	13.8	14.3	14.8	14.8	
U06-102316	15.8	15.9	15.4	17.2	16.6	16.1	
U06-102438	16.1	15.6	15.6	16.7	17.3	16.1	
U06-103421	17.1	17.5	16.7	18.0	17.8	16.8	
U06-103459	16.7	16.7	15.2	17.6	16.9	16.5	
U06-103715	14.4	13.6	14.3	15.1	15.2	15.2	
U06-104273	17.6	17.8	15.7	17.8	18.6	16.6	
U06-104311	15.6	14.7	14.7	16.6	16.4	16.2	
U06-104326	16.7	16.9	15.2	13.3	18.1	17.0	
U06-206640	17.9	17.6	16.2	19.1	18.9	16.6	
U06-206701	17.7	18.3	16.9	17.9	19.4	17.0	
U06-230133	16.9	16.7	15.2	14.6	17.7	17.4	

PRELIMINARY TEST IIB, 2009

SEED SIZE g/100

Strain	Cotesfield NE	Phillips NE	Hoytville OH	Chatham ONT	Harrow ONT	Aurora SD
IA2094 (II)	18.7	16.7	16.7	18.9	19.3	15.1
IA1022 (SCN)	17.3	17.2	16.4	16.7	18.7	15.0
IA3024	19.6	19.2	17.1	18.7	20.4	14.3
AR07-761008	18.6	18.9	16.5	17.4	20.2	12.9
AR08-186004	16.5	15.5	14.7	15.9	17.3	13.2
AR08-186012	16.2	15.3	15.5	15.8	16.6	12.8
AR08-186015	19.3	18.8	18.4	17.8	19.8	15.4
AR08-186020	18.5	18.4	16.5	16.9	19.2	13.9
AR08-286001	22.2	21.0	19.5	20.6	22.5	16.7
AR08-286003	19.1	18.9	18.5	19.2	21.4	14.9
AR08-286060	16.4	13.8	14.7	15.2	18.0	11.4
E07021	19.2	18.0	19.3	18.8	21.6	15.1
E07038	20.6	18.7	20.1	18.7	20.7	15.0
E07040	19.5	18.5	18.3	17.9	20.4	14.8
E07048	19.9	18.0	16.9	17.5	19.5	14.7
E07051	19.8	19.8	18.0	20.1	22.6	16.4
E07075	20.3	19.1	19.8	19.3	21.2	13.6
E07078	18.9	16.1	16.4	18.5	20.9	13.3
E07080	22.1	18.9	19.1	19.9	22.3	17.5
E07087	18.6	17.8	16.8	17.1	20.1	14.5
E07090	17.4	16.3	15.8	16.5	19.0	12.9
LD06-2009	18.9	17.6	15.0	17.8	18.7	12.5
U06-100043	16.8	15.7	15.4	17.1	18.3	12.8
U06-100113	15.8	15.9	14.1	16.2	17.7	13.0
U06-100136	16.7	15.7	13.8	14.8	17.7	12.7
U06-100914	14.5	14.7	12.9	14.3	15.9	10.6
U06-102316	17.1	17.0	14.6	15.1	17.2	11.2
U06-102438	17.5	17.9	14.5	16.1	18.0	12.4
U06-103421	18.6	18.9	15.7	17.2	19.6	11.5
U06-103459	18.2	16.8	16.0	18.2	18.9	12.5
U06-103715	16.8	14.9	12.9	14.8	15.8	9.4
U06-104273	21.3	18.6	15.6	18.2	20.0	13.1
U06-104311	17.7	16.8	13.8	16.7	17.2	11.1
U06-104326	18.6	18.5	16.1	18.2	20.1	11.4
U06-206640	18.1	20.1	17.6	17.9	20.2	14.6
U06-206701	19.4	19.4	18.2	16.4	18.9	13.5
U06-230133	18.1	17.8	17.8	17.9	19.0	13.8

PRELIMINARY TEST IIB, 2009

PROTEIN (%)

Strain	Mean 9 Tests	Rippey IA	Urbana IL	Lafayette IN	Ingham County MI	Phillips NE	Hoytville OH	Chatham ONT	Harrow ONT	Aurora SD
IA2094 (II)	34.4	32.9	31.4	34.0	35.7	35.1	34.2	35.5	36.4	34.4
IA1022 (SCN)	33.4	33.9	30.4	33.6	34.3		33.7	33.0	33.8	34.1
IA3024	32.3	31.0	29.4	31.8	33.4		31.9	33.3	34.5	32.7
AR07-761008	34.1	34.5	31.8	33.3	35.1		33.7	34.1	35.7	35.0
AR08-186004	33.5	32.7	30.3	33.9	35.2		34.4	33.2	34.7	33.4
AR08-186012	34.1	33.4	31.3	34.8	35.0	35.7	34.6	33.6	35.1	33.2
AR08-186015	34.4	33.2	31.7	34.3	35.5	35.2	33.7	35.3	36.9	34.1
AR08-186020	33.9	33.8	31.7	34.6	34.2	35.5	33.1	33.6	35.5	33.5
AR08-286001	34.6	34.4	33.1	34.2	35.2	34.8	34.9	34.6	36.0	34.7
AR08-286003	35.5	35.3	33.8	35.5	36.4	35.8	35.0	35.7	36.8	34.8
AR08-286060	33.8	32.8	31.2	33.8	34.6	34.8	32.9	34.2	36.1	33.9
E07021	34.7	33.5	32.2	34.2	35.5	35.7	33.6	35.1	37.1	35.6
E07038	34.4	34.9	31.6	34.0	35.1	35.1	34.5	33.7	35.8	34.9
E07040	34.9	34.2	32.1	35.1	36.1	35.1	34.2	34.5	37.7	34.7
E07048	33.2	32.5	30.4	32.8	34.9	33.9	33.0	32.8	35.3	33.3
E07051	33.4	32.9	30.3	33.5	33.4	34.7	34.0	32.5	35.7	33.3
E07075	33.9	33.1	29.6	33.4	35.0	34.6	33.9	34.8	36.1	34.7
E07078	33.2	32.8	29.9	33.0	34.3	35.4	33.3	31.8	34.7	33.8
E07080	34.7	34.3	32.8	35.3	35.6	35.1	33.6	34.1	36.3	35.5
E07087	33.1	32.2	30.5	33.6	34.9	34.6	32.3	31.9	34.9	33.4
E07090	33.6	32.1	31.5	33.9	34.6	34.2	32.1	34.2	35.8	34.4
LD06-2009	33.4	34.2	30.7	32.8	34.5	33.0	32.8	34.0	34.8	33.8
U06-100043	35.0	35.2	32.1	34.9	35.5	35.5	34.3	35.5	36.5	35.2
U06-100113	33.9	32.6	30.6	33.1	35.4	35.0	32.9	34.9	35.5	35.5
U06-100136	33.1	31.0	30.1	32.2	34.7	33.3	32.6	34.0	35.5	34.6
U06-100914	34.3	32.5	30.3	34.3	35.8	34.8	33.6	35.8	36.0	35.5
U06-102316	33.7	33.1	32.0	32.6	34.4	34.1	34.0	32.2	35.3	35.2
U06-102438	33.5	31.5	31.9	33.4	34.0	34.8	32.7	33.1	35.1	34.4
U06-103421	32.4	31.2	30.0	31.1	35.2	32.9	32.6	32.2	33.3	33.4
U06-103459	33.3	31.7	30.5	32.8	35.1	33.7	32.8	33.6	34.9	34.5
U06-103715	33.1	32.0	32.1	31.5	34.8	33.7	31.3	33.1	33.9	35.7
U06-104273	33.7	32.9	30.6	32.9	36.1	33.8	33.4	33.0	35.8	35.1
U06-104311	34.1	31.4	31.4	33.5	36.0	34.5	33.1	34.9	35.5	36.3
U06-104326	33.3	33.5	29.8	32.7	35.9	34.2	32.3	32.7	35.0	33.9
U06-206640	32.2	32.3	29.3	31.3	33.6	32.3	31.8	32.3	33.8	33.2
U06-206701	33.1	31.1	29.8	31.9	35.0	34.6	31.8	33.9	34.8	35.0
U06-230133	30.0	31.3	0.0	34.3	34.7	34.6	33.5	33.5	34.6	33.5

* Protein and Oil values converted to 13% moisture basis.

PRELIMINARY TEST IIB, 2009

OIL (%)

Strain	Mean 9 Tests	Rippey IA	Urbana IL	Lafayette IN	Ingham County MI	Phillips NE	Hoytville OH	Chatham ONT	Harrow ONT	Aurora SD
IA2094 (II)	17.9	18.6	18.5	17.9	15.9	17.7	18.8	18.4	17.7	17.7
IA1022 (SCN)	19.5	20.0	19.8	18.8	18.3		19.7	20.5	19.9	18.6
IA3024	18.4	18.3	19.0	18.2	16.9		19.6	18.8	18.2	17.9
AR07-761008	18.1	19.4	17.9	17.9	16.6		18.8	19.2	18.1	17.1
AR08-186004	18.3	19.1	18.4	17.9	16.6		19.0	19.1	18.0	17.9
AR08-186012	18.0	18.3	18.0	17.5	16.3	18.5	18.5	18.7	17.9	17.9
AR08-186015	17.0	17.5	16.5	17.1	14.8	18.1	18.2	17.7	16.9	16.6
AR08-186020	17.7	18.5	17.0	18.0	16.2	17.9	18.6	18.4	17.4	17.0
AR08-286001	17.9	18.4	17.9	17.2	17.4	18.1	18.4	18.4	17.7	17.5
AR08-286003	18.0	18.4	17.4	17.6	17.3	18.0	18.3	19.1	18.3	17.3
AR08-286060	17.9	18.3	17.8	17.4	16.7	17.9	19.0	19.1	17.8	17.3
E07021	17.4	17.7	17.1	17.1	15.7	17.5	18.5	18.4	17.5	16.8
E07038	18.0	18.0	18.0	17.0	16.6	18.0	18.7	19.7	18.4	17.8
E07040	17.9	18.6	18.1	17.5	15.9	18.2	18.3	19.4	17.5	17.5
E07048	18.2	18.4	18.0	17.7	17.6	18.0	19.5	19.3	18.1	17.6
E07051	18.5	19.3	18.4	18.3	17.4	18.4	18.1	20.1	18.5	18.1
E07075	17.6	17.4	18.6	17.7	15.8	18.3	18.6	18.2	17.4	16.8
E07078	18.6	19.4	18.7	18.1	17.3	18.6	17.9	20.5	19.0	17.8
E07080	17.7	17.6	18.1	17.8	15.7	17.7	18.7	19.4	18.1	16.6
E07087	18.1	18.3	18.0	17.8	16.0	18.4	19.2	19.8	18.4	17.3
E07090	17.9	17.7	17.8	18.1	16.1	18.3	19.6	18.7	17.7	17.2
LD06-2009	17.8	18.0	18.0	18.2	15.8	18.0	18.7	18.5	17.7	17.1
U06-100043	17.7	18.6	18.2	18.3	15.8	17.5	18.2	18.5	17.7	16.5
U06-100113	17.5	17.7	17.8	18.0	15.9	18.5	18.1	18.1	17.7	15.7
U06-100136	17.6	17.9	17.4	17.9	15.8	18.4	18.2	18.9	17.7	16.2
U06-100914	17.5	18.4	17.8	18.0	15.5	17.5	17.7	17.9	17.3	17.5
U06-102316	17.7	17.4	17.3	17.6	15.8	17.9	18.7	19.8	18.1	16.5
U06-102438	18.1	18.3	18.4	18.1	16.6	18.1	18.4	19.3	18.4	17.2
U06-103421	19.2	19.8	19.3	20.0	16.6	18.6	19.6	20.7	19.9	18.1
U06-103459	19.0	19.4	18.9	19.5	17.4	18.3	19.8	20.1	19.4	17.9
U06-103715	18.7	19.2	19.2	19.1	16.8	18.4	19.8	20.0	18.9	16.8
U06-104273	18.0	19.0	18.0	18.3	15.5	17.5	18.8	20.1	18.1	17.0
U06-104311	17.8	18.5	17.7	18.2	17.0	17.2	18.5	19.1	18.3	16.0
U06-104326	19.1	20.0	19.0	19.4	16.9	18.7	19.9	20.4	19.0	18.7
U06-206640	18.9	19.5	18.7	18.7	17.4	19.0	19.7	20.1	19.2	17.8
U06-206701	18.3	18.6	18.6	18.4	16.3	18.4	19.5	19.0	18.4	17.2
U06-230133	19.2	19.9	19.6	19.0	18.2	18.4	19.5	19.9	19.1	18.8

Uniform Test III, 2009

Ent.	Strain	Parentage	Seed Source	Previous Testing	Gen. Comp.	Unique Traits
1.	IA3023 (III)	Dairyland DSR-365 x Pioneer P9381	Fehr	8	F5	
2.	IA3024	A97-553017 x Pioneer YB33A99	Fehr	2		1% linolenic
3.	U98-311442 (SCN)	A94-773014 x Bell	Graef	4	F5	SCN
4.	IA4004	Dairyland 99433 x A01-409003	Fehr	2	F4	
5.	A06-911034	Dairyland 99540 x IA2068	Fehr	1	F4	SCN
6.	A06-912002	Dairyland 99669 x A02-237015	Fehr	1	F4	
7.	A06-912003	Dairyland 99669 x A02-237015	Fehr	1	F4	
8.	A06-912004	Dairyland 99669 x A02-237015	Fehr	1	F4	
9.	E05053	A98-781041 x U97-207134	Wang	08UTII	F5	PR Race 4-7 resistant
10.	LD04-13265	NK S32-Z3 x U98-205355	Diers	1	F5	SCN
11.	LG05-2359	LG97-7012 x Loda	Nelson	PTIIIB	F6	Diversity
12.	LS05-0202	SS98-3403 x U98-307917	Klein	PTIIIA	F5	
13.	CL04-10534	CL0J173-6-2 x WW115926	LeRoy	08 SCN UTIII	F4	Rps 3a, SCN Race 3
14.	CL04-13234	CL0J173-6-2 x S18-N5	LeRoy	PTIIIA	F4	Rps3a, SCN
15.	CL04-132315	CL0J173-6-2 x S18-N5	LeRoy	PTIIIA	F4	Rps3a, SCN
16.	CL04-132319	CL0J173-6-2 x S18-N5	LeRoy	PTIIIA	F4	Seg Rps3a, SCN
17.	U05-222052	U98-307917 x UP1C1-92-102	Graef	PTIIIB	F4	
18.	U05-226055	U98-307917 x UP1C4-95-30	Graef	PTIIIB	F4	
19.	U05-710023	UP2YC3S3:4	Graef	PTIIIB	F4	
20.	U05-741026	UP2YC3S3:4	Graef	PTIIIB	F4	
21.	CS126	PI471.938 x NE3001	Graef	1	F5	

UNIFORM TEST III, 2009

DESCRIPTIVE AND DISEASE DATA

Strain	Descriptive Code	Chlorosis	Green Stem	Shattering	PR		FE	SDS
		Score Humboldt IA	Score Lafayette IN	Score Ashland KS	Lafayette Race 4	Lafayette Race 7	Laf. a rx.	DX Valmeyer IL
IA3023 (III)	WLtTDYBII	3.9	1.0	1.0	S	S	S	33
IA3024	PGTDYIbI	3.5	1.0	1.0	R*	R*	S	71
U98-311442 (SCN)	PGTDYIbI	4.0	1.0	1.0	S	S	S	20
IA4004	PTBDYYI	3.9	1.0	1.0	S	S	S	50
A06-911034	WGT+BIYYI	4.0	1.0	2.0	S	S	S	8
A06-912002	WGT+BDYYI	4.0	1.0	1.0	R*	S	S	47
A06-912003	WGTDYI	3.9	1.0	1.0	R*	S	S	42
A06-912004	WGTDYI	4.3	1.0	1.0	S	S	S	28
E05053	PTTDYBII	3.8	1.0	1.0	R	R	S	39
LD04-13265	PLtTDYBII	4.1	1.0	1.0	S	S	S	7
LG05-2359	WGTDYBfI	4.5	1.0	1.0	S	S	S	6
LS05-0202	PLtBDYBI+BrI	4.3	1.0	1.0	H*	R*	-	13
CL04-10534	WLtBDYBII	4.4	1.0	1.0	H*	H*	S	10
CL04-13234	WLtBDYBII	3.9	1.0	1.0	R	H*	S	23
CL04-132315	WGTDBYBfI	4.1	2.0	1.0	R	S	S	11
CL04-132319	WG+LtTDYBf+BII	3.8	2.0	1.0	H*	H*	S	31
U05-222052	WTBDYBII	4.4	1.0	1.0	S	S	S	25
U05-226055	WTBDYBII	4.5	1.0	1.0	S	S	S	39
U05-710023	PGBSYIbI	4.3	1.0	1.0	S	S	S	19
U05-741026	PLtTSYBII	4.4	1.0	1.0	S	S	S	33
CS126	WGBSYBfI	4.0	1.0	1.0	S	S	S	.

PR: * = *P. sojae* inoc. Reaction NOT compatible with breeder's information about *Rps* Trait

FE: S = susceptible, - = lesions not detected, x = no data

UNIFORM TEST III, 2009

REGIONAL SUMMARY

No. of Tests Strain	Yield 18 bu/a	Rank 18 No.	Maturity 17 Date	Lodging 16 Score	Plant Height 16 In.	Seed Quality 13 Score	Seed Size 17 g/100	Composition	
								Protein 13 %	Oil 13 %
IA3023 (III)	59.2	18	9/21	1.6	29	1.7	16.8	33.2	18.5
IA3024	58.9	20	-2.3	1.4	30	1.9	17.4	32.3	18.8
U98-311442 (SCN)	58.9	20	7.4	1.8	30	2.2	15.3	34.6	17.9
IA4004	65.2	1	2.8	2.0	32	1.9	17.5	34.4	17.7
A06-911034	62.4	13	0.7	1.9	29	1.6	16.3	33.7	18.2
A06-912002	64.7	3	3.6	1.7	31	2.0	16.5	34.7	18.1
A06-912003	64.5	4	3.6	1.7	29	1.7	16.5	34.4	18.0
A06-912004	64.4	5	3.4	1.6	31	1.8	16.3	34.1	18.0
E05053	60.3	16	-0.7	1.6	30	1.6	15.3	34.6	17.9
LD04-13265	64.1	7	4.6	1.4	30	2.0	17.1	34.0	18.0
LG05-2359	64.3	6	6.6	2.0	33	2.0	15.6	33.1	18.5
LS05-0202	63.4	10	5.1	1.9	36	1.6	15.8	33.6	17.7
CL04-10534	63.2	11	3.9	1.5	32	1.8	18.4	33.8	18.1
CL04-13234	61.5	14	2.4	1.3	30	1.7	17.2	34.5	17.6
CL04-132315	59.9	17	2.3	1.6	32	1.7	18.6	34.1	18.3
CL04-132319	62.5	12	2.9	1.4	30	1.8	18.1	35.0	17.4
U05-222052	63.5	9	2.6	1.7	32	1.7	16.0	33.8	18.2
U05-226055	64.9	2	4.0	1.6	32	1.8	16.5	33.7	17.9
U05-710023	63.6	8	1.3	1.9	34	1.5	16.9	34.7	17.4
U05-741026	61.0	15	4.5	1.8	35	1.8	18.1	34.5	17.3
CS126	59.1	19	-0.5	1.4	25	2.0	19.0	33.1	19.0

128.6 Days After Planting

UNIFORM TEST III, 2009

2008-2009 2-YEAR MEAN

No. of Tests Strain	Yield 33 bu/a	Rank 33 No.	Maturity 32 Date	Lodging 32 Score	Plant Height 31 In.	Seed Quality 24 Score	Seed Size 33 g/100	Composition	
								Protein 20 %	Oil 20 %
IA3023 (III)	55.2	8	9/22	1.5	29	1.8	15.8	33.4	18.8
IA3024	54.5	10	-2.0	1.3	29	2.0	16.4	32.6	18.9
U98-311442 (SCN)	55.5	7	6.4	1.7	29	2.1	14.8	34.3	18.1
IA4004	59.1	3	2.9	1.9	31	2.0	16.5	34.5	17.8
A06-911034	57.9	6	0.7	1.7	29	1.7	15.2	33.8	18.3
A06-912002	59.3	1	3.5	1.6	30	2.1	15.4	34.7	18.4
A06-912003	59.2	2	3.7	1.6	29	1.6	15.5	34.4	18.0
A06-912004	59.0	4	3.7	1.6	30	1.8	15.4	34.4	18.5
LD04-13265	58.7	5	5.0	1.3	28	2.0	16.3	33.8	18.3
CS126	54.9	9	-0.5	1.3	24	2.1	17.6	33.7	18.8

126.9 Days After Planting

UNIFORM TEST III, 2009

YIELD (bu/a)

Strain	Mean	Ames IA	Carlisle IA	Crawfordsville IA	Arthur IL	Urbana IL	Lafayette IN	Wanatah IN	Ashland KS	Ottawa KS
	18 Tests									
IA3023 (III)	59.2	67.4	77.7	64.6	77.1	56.7	57.1	44.9	78.0	39.6
IA3024	58.9	62.5	76.1	59.9	70.9	65.7	58.9	51.4	68.0	40.3
U98-311442 (SCN)	58.9	66.1	65.4	55.5	72.2	64.5	60.6	53.0	63.2	44.4
IA4004	65.2	71.7	80.9	61.9	75.8	66.8	65.4	55.5	70.9	48.5
A06-911034	62.4	65.1	72.4	60.3	73.2	67.9	65.4	52.0	70.9	43.0
A06-912002	64.7	72.8	77.8	65.3	75.2	74.8	66.4	59.0	73.9	44.5
A06-912003	64.5	71.3	80.4	65.0	68.9	69.2	63.0	54.6	75.0	49.1
A06-912004	64.4	68.2	84.9	65.1	73.4	67.7	64.4	61.9	71.3	42.9
E05053	60.3	69.6	74.7	61.4	71.5	67.9	60.2	50.1	73.4	39.1
LD04-13265	64.1	74.4	73.0	64.6	72.7	68.8	64.0	57.9	75.4	48.5
LG05-2359	64.3	65.1	73.4	54.2	77.8	66.6	62.6	59.0	73.6	47.6
LS05-0202	63.4	67.5	72.4	60.8	74.7	69.6	57.8	56.0	69.6	47.9
CL04-10534	63.2	69.2	73.9	64.5	83.0	61.0	62.3	54.8	66.0	43.6
CL04-13234	61.5	71.5	74.9	63.3	74.1	66.0	60.8	56.5	67.0	40.8
CL04-132315	59.9	69.5	62.0	62.3	76.1	62.3	60.1	58.0	59.9	42.1
CL04-132319	62.5	67.9	60.9	63.3	76.7	69.0	62.6	62.2	62.8	43.5
U05-222052	63.5	70.8	79.5	61.7	70.7	67.3	63.5	52.0	72.8	39.0
U05-226055	64.9	68.3	79.7	68.6	75.4	65.9	60.2	50.9	71.4	45.8
U05-710023	63.6	69.1	80.7	61.3	66.3	70.0	59.5	57.0	72.2	39.6
U05-741026	61.0	66.9	76.7	59.1	59.4	65.7	62.4	52.2	66.9	41.4
CS126	59.1	71.7	83.7	65.6	61.7	62.2	57.1	55.7	62.7	38.5
Location Mean		68.9	75.3	62.3	72.7	66.5	61.6	55.0	69.8	43.3
C.V. (%)		6.5	5.9	2.8	8.8	7.4	5.1	8.2	5.0	7.1
L.S.D. (5%)		9.3	9.3	3.6	13.3	10.3	5.3	7.5	5.7	5.0
Row Sp. (in.)		27	27	30	30	30	30	30	30	30
Rows/Plot		4	4	4	4	4	4	4	4	4
Reps		2	2	2	2	2	3	3	3	3

*Data not included in mean.

UNIFORM TEST III, 2009

YIELD (bu/a)

Strain	YIELD (bu/a)									
	Queenstown MD	Columbia MO	Portageville (Clay) MO	Portageville (Loam) MO	DeWitt* NE	Lincoln NE	North Bend NE	Hoytville OH	Wooster OH	South Charleston OH
IA3023 (III)	45.8	59.9	34.8	35.3	68.1	88.4	70.7	61.6	39.8	66.0
IA3024	48.3	56.3	39.3	31.7	70.0	84.9	79.7	55.2	44.5	66.3
U98-311442 (SCN)	61.0	65.1	30.1	41.8	66.2	75.9	70.2	56.0	41.6	73.8
IA4004	60.5	70.2	53.1	42.7	73.9	81.1	82.5	60.8	47.4	78.0
A06-911034	56.1	65.9	37.6	42.6	67.6	88.2	80.7	59.7	40.6	81.4
A06-912002	52.1	65.2	44.5	45.1	67.5	85.8	73.8	61.9	51.9	75.6
A06-912003	56.7	69.9	43.1	51.5	67.0	82.0	70.7	55.6	56.5	78.6
A06-912004	50.8	69.6	37.2	46.6	67.4	82.7	82.5	60.5	48.2	80.6
E05053	49.1	66.7	35.4	35.5	62.7	83.7	74.9	61.3	45.5	65.0
LD04-13265	60.0	70.0	45.8	47.2	67.6	81.0	78.2	63.6	43.8	65.1
LG05-2359	54.1	68.2	44.9	49.5	60.2	81.8	83.2	66.2	47.3	82.3
LS05-0202	59.1	68.9	51.4	50.6	48.1	75.5	82.9	58.6	55.3	62.2
CL04-10534	55.1	62.5	32.6	50.2	68.5	77.1	86.0	59.7	54.0	82.5
CL04-13234	49.5	64.1	34.2	38.5	67.8	80.4	80.0	55.8	44.9	83.9
CL04-132315	49.6	64.2	34.1	35.6	70.9	72.2	87.4	64.2	42.7	76.3
CL04-132319	53.4	61.5	45.2	39.9	70.7	75.9	81.5	63.7	49.7	85.1
U05-222052	58.0	66.9	48.6	47.5	64.7	87.3	83.0	58.5	48.8	66.9
U05-226055	62.1	68.7	43.2	54.0	61.0	85.4	74.2	62.0	51.3	81.3
U05-710023	56.2	65.0	43.1	43.8	62.0	86.7	86.7	64.0	50.4	72.6
U05-741026	54.3	67.0	55.1	46.5	58.6	86.7	74.8	58.4	36.8	68.6
CS126	40.0	55.6	32.2	32.6	61.6	84.7	72.0	63.3	41.9	82.4
Location Mean	53.9	65.3	41.2	43.3	65.3	82.3	78.8	60.5	46.8	75.0
C.V. (%)	7.7	7.9	11.8	6.5	14.1	4.5	6.2	6.4	14.4	12.4
L.S.D. (5%)	6.8	7.1	7.2	4.7	23.1	9.2	12.0	6.4	11.1	14.9
Row Sp. (in.)	24	30	30	30	30	30	30	7.5	7.5	15
Rows/Plot	4	4	4	4	4	4	4	8	8	6
Reps	3	3	3	3	2	2	2	3	3	3

*Data not included in mean.

UNIFORM TEST III, 2009

YIELD RANK

Strain	Yield Rank	Ames IA	Carlisle IA	Crawfordsville IA	Arthur IL	Urbana IL	Lafayette IN	Wanatah IN	Ashland KS	Ottawa KS
IA3023 (III)	18	16	9	6	3	21	20	21	1	17
IA3024	20	21	11	18	16	15	18	18	14	16
U98-311442 (SCN)	20	18	19	20	14	17	13	14	18	8
IA4004	1	3	3	12	6	11	2	11	11	2
A06-911034	13	19	17	17	12	7	2	16	11	11
A06-912002	3	2	8	3	8	1	1	3	4	7
A06-912003	4	6	5	5	18	4	7	13	3	1
A06-912004	5	13	1	4	11	9	4	2	10	12
E05053	16	8	13	14	15	7	14	20	6	19
LD04-13265	7	1	16	7	13	6	5	6	2	2
LG05-2359	6	19	15	21	2	12	8	3	5	5
LS05-0202	10	15	17	16	9	3	19	9	13	4
CL04-10534	11	10	14	8	1	20	11	12	17	9
CL04-13234	14	5	12	9	10	13	12	8	15	15
CL04-132315	17	9	20	11	5	18	16	5	21	13
CL04-132319	12	14	21	10	4	5	8	1	19	10
U05-222052	9	7	7	13	17	10	6	16	7	20
U05-226055	2	12	6	1	7	14	14	19	9	6
U05-710023	8	11	4	15	19	2	17	7	8	17
U05-741026	15	17	10	19	21	16	10	15	16	14
CS126	19	3	2	2	20	19	20	10	20	21

UNIFORM TEST III, 2009

YIELD RANK

Strain	Queenstown	Columbia	Portageville	Portageville	DeWitt	Lincoln	North	Hoytville	Wooster	South
	MD	MO	(Clay) MO	(Loam) MO	NE	NE	Bend NE	OH	OH	Charleston OH
IA3023 (III)	20	19	16	19	6	1	19	9	20	18
IA3024	19	20	12	21	4	8	12	20	14	17
U98-311442 (SCN)	2	13	21	14	13	18	21	17	18	13
IA4004	3	1	2	12	1	14	7	11	10	10
A06-911034	9	11	13	13	8	2	10	13	19	6
A06-912002	14	12	8	10	10	6	17	8	4	12
A06-912003	7	3	10	2	12	12	20	19	1	9
A06-912004	15	4	14	8	11	11	8	12	9	8
E05053	18	10	15	18	15	10	14	10	12	20
LD04-13265	4	2	5	7	9	15	13	5	15	19
LG05-2359	12	7	7	5	19	13	4	1	11	5
LS05-0202	5	5	3	3	21	20	6	14	2	21
CL04-10534	10	17	19	4	5	17	3	13	3	3
CL04-13234	17	16	17	16	7	16	11	18	13	2
CL04-132315	16	15	18	17	2	21	1	2	16	11
CL04-132319	13	18	6	15	3	19	9	4	7	1
U05-222052	6	9	4	6	14	3	5	15	8	16
U05-226055	1	6	9	1	18	7	16	7	5	7
U05-710023	8	14	10	11	16	4	2	3	6	14
U05-741026	11	8	1	9	20	5	15	16	21	15
CS126	21	21	20	20	17	9	18	6	17	4

UNIFORM TEST III, 2009

MATURITY (date)

Strain	Mean	Ames IA	Carlisle IA	Crawfordsville IA	Arthur IL	Urbana IL	Lafayette IN	Wanatah IN	Ashland KS	Ottawa KS
	17 Tests									
IA3023 (III)	9/21	9/26	9/28	9/30	9/17	9/19	9/26	9/22	9/27	
IA3024	-2.3	-3	-5	-1	-3	-1	-6	-3	-4	
U98-311442 (SCN)	7.4	8	5	11	9	11	6	11	3	
IA4004	2.8	2	-1	5	4	6	1	3	1	
A06-911034	0.7	1	-2	3	1	4	-1	0	-2	
A06-912002	3.6	3	2	8	2	8	3	7	-1	
A06-912003	3.6	2	1	10	2	7	1	6	-1	
A06-912004	3.4	2	1	9	2	8	3	6	-1	
E05053	-0.7	-1	-3	4	-2	3	-3	-2	-3	
LD04-13265	4.6	4	1	6	3	9	4	7	2	
LG05-2359	6.6	5	6	10	10	11	5	11	2	
LS05-0202	5.1	6	3	10	9	10	3	5	2	
CL04-10534	3.9	3	0	9	4	7	4	6	-1	
CL04-13234	2.4	2	-1	4	1	6	3	7	-2	
CL04-132315	2.3	1	-1	9	3	3	3	5	-2	
CL04-132319	2.9	1	-1	7	3	5	4	8	-3	
U05-222052	2.6	2	-1	8	2	5	2	3	-1	
U05-226055	4.0	3	1	8	4	6	3	4	1	
U05-710023	1.3	1	-3	3	2	6	0	2	-2	
U05-741026	4.5	4	3	9	4	10	4	6	-0	
CS126	-0.5	-3	-4	1	-2	3	-1	0	-3	
Date Planted	5/15	5/8	5/7	5/19	5/22	5/23	5/26	5/19	5/28	5/19
Days to Mature	129	141	144	134	118	119	123	126	122	

UNIFORM TEST III, 2009

MATURITY (date)

Strain	Queenstown	Columbia	Portageville	Portageville	DeWitt	Lincoln	North	Hoytville	Wooster	South
	MD	MO	(Clay) MO	(Loam) MO			Bend NE			OH
IA3023 (III)	9/24	9/18	9/19	8/24		9/30	9/28	9/19	9/19	9/20
IA3024	-1	-2	-2	-2		-2	-2	-4	0	1
U98-311442 (SCN)	9	5	8	5		3	3	8	9	12
IA4004	8	4	5	2		-2	-1	0	4	5
A06-911034	7	1	-1	1		-2	-1	-1	3	1
A06-912002	8	3	1	2		0	1	3	6	5
A06-912003	11	3	4	4		1	0	0	5	5
A06-912004	8	1	3	2		1	0	1	8	5
E05053	6	-1	-8	-3		-4	-1	-3	5	4
LD04-13265	9	4	5	4		0	2	6	7	6
LG05-2359	11	5	4	2		0	3	6	8	12
LS05-0202	12	4	3	3		2	3	2	5	6
CL04-10534	11	4	3	2		0	0	2	6	7
CL04-13234	7	2	-2	1		1	0	3	6	5
CL04-132315	7	2	-1	2		0	0	1	5	3
CL04-132319	9	3	-3	0		1	-1	3	7	6
U05-222052	9	2	3	1		-2	0	0	6	5
U05-226055	10	3	6	4		0	0	2	7	7
U05-710023	9	1	-3	1		0	-1	1	3	3
U05-741026	9	3	4	3		1	1	2	7	8
CS126	1	-2	-3	1		0	-2	0	-1	5
Date Planted	6/2	5/21	5/21	4/24	5/11	5/21	5/14	5/12	5/6	4/27
Days to Mature	114	120	121	122		132	137	130	136	146

UNIFORM TEST III, 2009

LODGING (score)

Strain	Mean	Ames IA	Carlisle IA	Crawfordsville IA	Arthur IL	Urbana IL	Lafayette IN	Wanatah IN	Ashland KS	Ottawa KS
	16 Tests									
IA3023 (III)	1.6	1.5	2.0	2.3	1.5	1.0	1.0	1.0	1.7	1.0
IA3024	1.4	1.5	2.3	2.0	2.0	1.3	1.0	1.0	1.0	1.0
U98-311442 (SCN)	1.8	1.8	2.8	2.3	1.5	1.5	1.0	1.0	1.7	1.0
IA4004	2.0	2.0	2.5	2.5	2.5	1.8	1.0	1.0	2.7	1.3
A06-911034	1.9	1.5	2.8	2.5	3.0	1.3	1.0	1.0	2.0	1.0
A06-912002	1.7	1.5	2.5	2.3	2.5	1.3	1.0	1.0	1.3	1.0
A06-912003	1.7	1.5	2.8	2.0	1.8	1.0	1.0	1.0	1.3	1.0
A06-912004	1.6	1.5	2.3	2.0	1.5	1.3	1.0	1.0	1.7	1.0
E05053	1.6	1.8	2.0	2.5	1.8	1.0	1.0	1.0	2.0	1.0
LD04-13265	1.4	1.5	2.0	1.8	1.0	1.0	1.0	1.0	1.3	1.0
LG05-2359	2.0	2.0	3.0	2.8	2.3	2.0	1.0	1.0	1.7	1.3
LS05-0202	1.9	2.3	2.8	2.8	2.5	2.0	1.0	1.0	1.7	1.0
CL04-10534	1.5	1.8	2.3	2.0	1.8	1.0	1.0	1.0	1.3	1.0
CL04-13234	1.3	1.3	2.3	2.0	1.3	1.0	1.0	1.0	1.3	1.0
CL04-132315	1.6	1.8	2.3	2.0	2.3	1.0	1.0	1.0	1.7	1.0
CL04-132319	1.4	1.3	2.0	2.0	1.5	1.0	1.0	1.0	1.0	1.0
U05-222052	1.7	2.0	2.5	2.3	1.8	1.5	1.0	1.0	2.0	1.0
U05-226055	1.6	1.5	2.3	2.3	2.3	1.5	1.0	1.0	1.7	1.0
U05-710023	1.9	1.8	2.5	2.8	2.3	2.3	1.0	1.0	2.0	1.0
U05-741026	1.8	2.0	2.5	2.0	2.0	2.0	1.0	1.0	2.0	1.0
CS126	1.4	1.5	1.8	2.3	1.0	1.5	1.0	1.0	1.3	1.0

UNIFORM TEST III, 2009

LODGING (score)

Strain	Queenstown	Columbia	Portageville	Portageville	DeWitt	Lincoln	North	Hoytville	Wooster	South
	MD	MO	(Clay) MO	(Loam) MO	NE	NE	Bend NE	OH	OH	Charleston OH
IA3023 (III)	1.3	2.0	2.0	2.0				1.0	1.0	3.1
IA3024	1.0	1.0	2.0	1.0				1.0	1.0	2.1
U98-311442 (SCN)	1.7	2.0	2.0	3.0				1.0	1.0	3.0
IA4004	1.8	3.0	3.0	2.0				1.0	1.0	2.7
A06-911034	2.0	3.3	2.0	2.0				1.0	1.0	3.3
A06-912002	2.3	2.0	2.0	2.0				1.0	1.0	3.2
A06-912003	2.0	2.3	2.0	2.0				1.0	1.0	2.9
A06-912004	2.0	2.3	2.0	2.0				1.0	1.0	2.6
E05053	2.0	1.7	2.0	1.0				1.0	1.0	2.9
LD04-13265	1.0	1.3	2.0	2.0				1.0	1.0	2.8
LG05-2359	2.0	3.3	2.0	3.0				1.0	1.0	2.4
LS05-0202	1.7	3.0	2.0	2.0				1.0	1.0	3.0
CL04-10534	1.3	2.0	2.0	2.0				1.0	1.0	1.7
CL04-13234	1.3	1.3	2.0	1.0				1.0	1.0	1.8
CL04-132315	1.7	1.7	2.0	2.0				1.0	1.0	1.8
CL04-132319	2.0	1.3	2.0	1.0				1.0	1.0	1.6
U05-222052	2.3	2.0	2.0	2.0				1.0	1.0	2.6
U05-226055	2.2	1.7	2.0	2.0				1.0	1.0	1.9
U05-710023	2.3	2.7	1.0	2.0				1.0	1.0	3.0
U05-741026	1.7	2.3	2.0	3.0				1.0	1.0	3.0
CS126	1.0	1.0	2.0	2.0				1.0	1.0	1.6

UNIFORM TEST III, 2009

PLANT HEIGHT (inches)

Strain	Mean	Ames IA	Carlisle IA	Crawfordsville IA	Arthur IL	Urbana IL	Lafayette IN	Wanatah IN	Ashland KS	Ottawa KS
	16 Tests									
IA3023 (III)	29	34	32	34	35	27	31	33	40	31
IA3024	30	35	32	35	35	32	31	32	45	31
U98-311442 (SCN)	30	38	35	36	35	31	30	28	40	31
IA4004	32	40	36	34	38	32	33	33	43	33
A06-911034	29	36	31	32	33	29	30	29	41	29
A06-912002	31	38	32	34	34	33	34	32	40	29
A06-912003	29	35	33	32	32	29	30	30	37	29
A06-912004	31	40	34	37	37	29	33	32	42	30
E05053	30	39	31	34	36	29	33	33	40	31
LD04-13265	30	37	31	33	33	28	30	29	40	30
LG05-2359	33	41	36	36	37	32	35	34	44	32
LS05-0202	36	49	40	41	40	38	37	35	51	35
CL04-10534	32	41	39	37	37	29	33	32	42	30
CL04-13234	30	38	35	36	36	30	30	29	40	30
CL04-132315	32	41	38	38	36	32	33	32	43	32
CL04-132319	30	36	34	37	34	30	28	30	40	29
U05-222052	32	41	34	39	36	34	32	31	44	32
U05-226055	32	37	35	37	37	32	33	29	42	30
U05-710023	34	40	38	36	39	37	37	34	46	32
U05-741026	35	46	39	39	40	37	37	34	47	32
CS126	25	35	30	31	29	25	27	30	35	23

UNIFORM TEST III, 2009

PLANT HEIGHT (inches)

Strain	Queenstown	Columbia	Portageville	Portageville	DeWitt	Lincoln	North	Hoytville	Wooster	South
	MD	MO	(Clay) MO	(Loam) MO	NE	NE	Bend NE	OH	OH	Charleston OH
IA3023 (III)	24	28	14	15				29	22	33
IA3024	22	26	19	15				29	23	32
U98-311442 (SCN)	28	29	16	19				32	25	34
IA4004	30	28	25	21				31	23	39
A06-911034	27	28	20	15				30	21	34
A06-912002	27	30	16	19				31	25	36
A06-912003	25	29	18	15				28	25	33
A06-912004	27	30	18	17				29	23	35
E05053	26	28	18	15				29	25	36
LD04-13265	25	29	24	18				29	23	34
LG05-2359	29	32	24	21				33	26	38
LS05-0202	31	34	20	25				36	30	43
CL04-10534	29	31	22	22				31	25	37
CL04-13234	25	30	20	18				28	24	35
CL04-132315	29	31	19	15				31	25	37
CL04-132319	26	28	22	16				29	23	35
U05-222052	29	29	22	15				30	25	33
U05-226055	29	27	20	21				32	27	38
U05-710023	29	31	24	22				35	27	43
U05-741026	31	32	26	22				35	25	41
CS126	15	19	14	10				25	21	30

UNIFORM TEST III, 2009

SEED QUALITY (score)

Strain	Mean	Ames IA	Carlisle IA	Crawfordsville IA	Arthur IL	Urbana IL	Lafayette IN	Wanatah IN	Ashland KS	Ottawa KS
	13 Tests									
IA3023 (III)	1.7			2.0	1.0	1.0	1.0	1.0	2.0	2.0
IA3024	1.9			2.0	1.0	1.0	1.0	1.0	3.0	3.0
U98-311442 (SCN)	2.2			2.0	1.0	2.0	1.0	1.0	3.0	3.0
IA4004	1.9			2.0	1.0	1.0	1.0	1.0	3.0	3.0
A06-911034	1.6			2.0	1.0	1.0	1.0	1.0	2.0	3.0
A06-912002	2.0			3.0	1.0	1.0	1.5	1.0	2.0	3.0
A06-912003	1.7			2.0	1.0	1.0	1.0	1.0	2.0	2.0
A06-912004	1.8			2.0	1.0	1.0	1.0	1.0	2.0	3.0
E05053	1.6			1.0	1.0	1.0	1.0	1.0	2.0	2.0
LD04-13265	2.0			1.0	1.0	2.0	1.0	1.0	2.0	3.0
LG05-2359	2.0			2.0	2.0	1.0	1.0	1.0	3.0	2.0
LS05-0202	1.6			1.0	1.0	1.0	1.0	1.0	2.0	2.0
CL04-10534	1.8			2.0	1.0	1.0	1.5	1.5	2.0	2.0
CL04-13234	1.7			2.0	1.0	1.0	1.0	1.0	2.0	2.0
CL04-132315	1.7			2.0	1.0	1.0	1.0	1.0	2.0	2.0
CL04-132319	1.8			2.0	1.0	1.0	1.0	1.0	2.0	2.0
U05-222052	1.7			2.0	1.0	1.0	1.0	1.0	2.0	2.0
U05-226055	1.8			2.0	1.0	1.0	1.0	1.0	2.0	2.0
U05-710023	1.5			1.0	1.0	1.0	1.0	1.0	2.0	2.0
U05-741026	1.8			2.0	1.0	1.0	1.0	1.0	2.0	3.0
CS126	2.0			2.0	1.0	2.0	1.0	1.5	3.0	2.0

UNIFORM TEST III, 2009

SEED QUALITY (score)

Strain	Queenstown	Columbia	Portageville	Portageville	DeWitt	Lincoln	North	Hoytville	Wooster	South
	MD	MO	(Clay) MO	(Loam) MO	NE	NE	Bend NE	OH	OH	Charleston OH
IA3023 (III)		1.0	4.0	4.0				1.0	1.0	1.5
IA3024		1.0	4.0	3.0				1.0	1.0	2.7
U98-311442 (SCN)		1.0	5.0	5.0				1.0	1.0	2.7
IA4004		1.0	5.0	3.0				1.0	1.0	2.0
A06-911034		1.0	3.0	2.0				1.0	1.0	2.0
A06-912002		2.0	4.0	4.0				1.0	1.0	2.0
A06-912003		1.0	4.0	3.0				1.0	1.0	1.8
A06-912004		1.0	4.0	3.0				1.0	1.0	2.0
E05053		1.0	4.0	3.0				1.0	1.0	2.2
LD04-13265		1.0	5.0	4.0				1.0	2.0	2.5
LG05-2359		2.0	4.0	3.0				1.0	1.0	2.5
LS05-0202		1.0	3.0	4.0				1.0	1.0	2.0
CL04-10534		1.0	4.0	4.0				1.0	1.0	2.0
CL04-13234		1.0	4.0	4.0				1.0	1.0	1.5
CL04-132315		1.0	4.0	3.0				1.0	1.0	1.7
CL04-132319		1.0	4.0	4.0				1.0	1.0	2.0
U05-222052		1.0	4.0	3.0				1.0	1.0	2.0
U05-226055		1.0	5.0	3.0				1.0	1.0	2.3
U05-710023		1.0	4.0	2.0				1.0	1.0	2.0
U05-741026		1.0	4.0	2.0				1.0	2.0	2.0
CS126		1.0	5.0	4.0				1.0	1.0	1.8

UNIFORM TEST III, 2009

SEED SIZE (g/100)

Strain	Mean	Ames IA	Carlisle IA	Crawfordsville IA	Arthur IL	Urbana IL	Lafayette IN	Wanatah IN	Ashland KS	Ottawa KS
	17 Tests									
IA3023 (III)	16.8	17.3	18.4	17.0	17.6	16.6	19.2	16.6	17.9	14.4
IA3024	17.4	17.6	19.1	17.5	17.3	16.5	19.0	17.5	20.0	15.8
U98-311442 (SCN)	15.3	16.5	16.2	15.9	16.5	14.3	17.3	17.6	15.8	15.8
IA4004	17.5	17.9	18.8	17.7	18.1	16.4	19.7	18.4	18.3	16.4
A06-911034	16.3	17.1	17.3	16.6	16.8	15.6	18.9	16.6	16.6	14.9
A06-912002	16.5	17.1	17.3	17.1	16.8	16.0	18.2	17.1	17.0	15.0
A06-912003	16.5	16.7	18.3	17.4	15.4	15.9	18.4	18.4	18.0	15.7
A06-912004	16.3	16.7	17.8	17.2	16.8	15.8	18.8	17.5	16.5	14.8
E05053	15.3	15.9	16.2	15.5	15.6	14.9	17.2	14.9	15.8	13.1
LD04-13265	17.1	17.2	17.4	17.0	17.9	16.7	18.8	17.7	19.8	17.8
LG05-2359	15.6	15.7	16.1	16.2	16.8	14.5	17.7	16.9	16.0	14.3
LS05-0202	15.8	16.5	17.4	16.2	16.7	15.8	17.1	15.9	17.0	15.9
CL04-10534	18.4	19.4	19.8	19.1	20.3	17.9	21.5	19.7	18.6	16.4
CL04-13234	17.2	17.4	19.0	17.6	17.1	16.5	20.0	21.0	15.7	14.9
CL04-132315	18.6	20.6	18.8	19.8	19.2	17.4	21.7	20.9	18.1	17.0
CL04-132319	18.1	19.2	18.3	19.0	18.9	16.8	21.1	20.7	17.6	16.3
U05-222052	16.0	16.1	18.0	15.7	15.9	15.9	18.1	16.0	18.0	15.4
U05-226055	16.5	16.7	18.1	16.1	17.9	15.6	18.6	18.0	17.2	16.1
U05-710023	16.9	17.3	19.1	16.7	16.3	17.1	18.5	17.8	17.4	15.4
U05-741026	18.1	18.0	20.3	19.0	17.3	17.8	20.7	20.1	18.7	19.1
CS126	19.0	19.7	22.2	19.7	17.3	18.9	22.2	19.7	18.8	16.1

UNIFORM TEST III, 2009

SEED SIZE (g/100)

Strain	Queenstown	Columbia	Portageville	Portageville	DeWitt	Lincoln	North	Hoytville	Wooster	South
	MD	MO	(Clay) MO	(Loam) MO	NE	NE	Bend NE	OH	OH	Charleston OH
IA3023 (III)	13.4	15.5	17.9			16.0	17.8	16.8	15.3	18.2
IA3024	14.8	15.6	16.8			18.0	20.0	16.9	15.5	18.5
U98-311442 (SCN)	14.9	13.9	13.8			13.7	14.9	14.4	14.3	15.2
IA4004	15.8	16.5	18.6			15.6	17.7	17.1	15.5	19.6
A06-911034	13.4	15.2	15.1			16.3	17.0	15.4	15.9	18.7
A06-912002	13.8	15.4	16.8			15.5	17.7	14.8	15.7	19.2
A06-912003	14.5	14.3	15.4			15.2	18.0	15.8	15.0	18.2
A06-912004	13.7	14.4	16.0			15.8	17.3	15.3	14.0	18.4
E05053	13.5	14.3	16.6			15.1	15.4	15.7	14.3	17.0
LD04-13265	15.6	16.4	16.3			16.1	17.2	16.2	14.5	18.5
LG05-2359	12.5	14.8	15.6			14.6	17.2	15.6	13.3	17.2
LS05-0202	13.8	14.8	14.1			14.4	16.2	15.3	15.1	17.1
CL04-10534	15.3	16.4	17.6			16.4	19.7	16.7	16.6	21.0
CL04-13234	12.9	16.0	17.0			16.9	18.0	16.3	16.6	19.0
CL04-132315	14.8	17.6	16.6			16.2	21.3	17.7	17.3	21.7
CL04-132319	15.0	16.1	16.8			16.7	18.9	18.5	17.3	21.1
U05-222052	13.4	13.5	15.8			14.7	16.6	15.3	15.8	17.6
U05-226055	14.2	14.8	17.4			15.5	16.2	16.6	14.5	17.8
U05-710023	15.1	16.1	16.2			15.9	17.9	17.0	15.8	18.4
U05-741026	15.1	16.8	17.6			17.1	18.4	17.6	15.3	19.4
CS126	13.2	17.0	21.0			18.7	20.9	18.1	17.1	22.3

UNIFORM TEST III, 2009

PROTEIN (%)

Strain	Mean 13 Tests	Carlisle IA	Arthur IL	Urbana IL	Lafayette IN	Wanatah IN	Ashland KS
IA3023 (III)	33.2	33.0	30.2	31.7	32.3	34.0	34.0
IA3024	32.3	33.8	30.3	27.6	31.7	32.5	34.6
U98-311442 (SCN)	34.6	34.0	32.6	31.7	34.4	35.3	35.9
IA4004	34.4	34.4	32.0	30.9	33.9	34.5	35.6
A06-911034	33.7	33.2	31.1	32.7	33.9	32.2	35.5
A06-912002	34.7	34.8	31.8	32.2	33.5	34.8	34.9
A06-912003	34.4	34.7	32.2	31.4	33.3	34.9	36.2
A06-912004	34.1	33.9	32.0	33.4	33.2	34.7	35.3
E05053	34.6	33.8	34.1	31.9	34.3	32.8	36.7
LD04-13265	34.0	32.8	32.1	33.8	33.8	33.4	34.7
LG05-2359	33.1	31.7	31.0	30.5	31.7	33.1	33.9
LS05-0202	33.6	33.9	30.9	31.2	32.8	34.4	34.9
CL04-10534	33.8	32.8	32.6	30.6	33.8	32.6	34.5
CL04-13234	34.5	35.0	31.5	32.2	34.4	35.4	35.0
CL04-132315	34.1	34.0	33.8	32.5	33.8	33.5	35.3
CL04-132319	35.0	35.3	32.4	32.3	34.7	35.5	35.9
U05-222052	33.8	34.0	30.1	33.1	33.2	32.8	35.6
U05-226055	33.7	33.2	31.2	30.8	33.4	32.9	35.2
U05-710023	34.7	34.3	31.1	34.2	34.1	34.6	35.5
U05-741026	34.5	35.0	29.7	32.3	34.0	35.1	36.0
CS126	33.1	32.8	29.3	29.7	32.5	32.4	34.5

* Protein and Oil values converted to 13% moisture basis.

UNIFORM TEST III, 2009

PROTEIN (%)

Strain	Queenstown MD	North Bend NE	Columbia MO	Hoytville OH	Wooster OH	Portageville (Loam) MO	South Charleston OH
IA3023 (III)	33.9	32.9	34.1	33.0	33.4	35.5	34.1
IA3024	32.9	33.2	32.4	32.2	31.7	34.5	32.6
U98-311442 (SCN)	35.8	34.4	35.4	34.8	36.4	32.3	36.3
IA4004	35.5	34.1	35.1	34.9	34.4	36.0	35.3
A06-911034	34.3	34.3	34.1	32.9	34.1	34.2	35.6
A06-912002	36.0	35.8	35.5	33.4	35.9	36.4	35.6
A06-912003	36.0	34.4	33.5	34.1	35.5	35.5	35.3
A06-912004	34.9	34.2	34.4	32.7	33.9	35.8	35.1
E05053	35.6	34.7	35.4	34.5	34.5	35.6	35.7
LD04-13265	35.1	33.5	34.4	34.5	34.8	33.7	35.5
LG05-2359	35.4	34.0	34.5	32.9	32.9	33.8	34.8
LS05-0202	34.7	33.8	34.5	33.1	33.9	33.8	34.8
CL04-10534	35.5	32.3	35.7	34.3	34.4	34.5	35.3
CL04-13234	34.9	34.4	34.0	34.9	35.6	35.1	36.2
CL04-132315	35.3	33.3	33.7	34.0	34.2	35.0	35.6
CL04-132319	36.3	34.7	35.3	34.7	34.8	36.2	37.0
U05-222052	35.1	34.4	33.2	33.9	34.1	34.7	35.7
U05-226055	35.3	34.8	34.7	32.9	34.8	33.5	35.1
U05-710023	36.1	34.3	35.7	34.7	35.7	35.5	35.9
U05-741026	35.8	34.9	34.7	33.7	34.9	36.4	35.9
CS126	35.0	33.2	33.6	34.0	33.9	34.8	34.5

UNIFORM TEST III, 2009

OIL (%)

Strain	Mean 13 Tests	Carlisle IA	Arthur IL	Urbana IL	Lafayette IN	Wanatah IN	Ashland KS
IA3023 (III)	18.5	18.8	19.1	18.8	18.0	18.8	18.3
IA3024	18.8	18.9	19.5	19.5	18.3	19.4	17.9
U98-311442 (SCN)	17.9	17.9	18.3	17.7	17.1	17.6	17.9
IA4004	17.7	18.0	18.1	18.1	17.2	18.2	16.8
A06-911034	18.2	18.7	18.2	18.7	17.5	18.4	18.2
A06-912002	18.1	18.6	18.8	18.3	17.4	18.6	17.7
A06-912003	18.0	18.7	18.9	18.3	17.3	18.4	17.9
A06-912004	18.0	18.4	18.1	18.7	17.3	18.2	17.6
E05053	17.9	19.0	18.4	17.9	17.5	18.3	17.6
LD04-13265	18.0	18.5	18.3	18.4	17.0	17.8	17.8
LG05-2359	18.5	19.0	19.0	18.7	17.8	19.2	18.4
LS05-0202	17.7	17.9	18.0	17.7	17.3	18.2	17.5
CL04-10534	18.1	18.7	18.2	18.1	17.9	18.4	18.1
CL04-13234	17.6	17.5	18.1	17.9	17.1	17.9	17.4
CL04-132315	18.3	17.8	19.2	19.2	17.7	18.4	17.8
CL04-132319	17.4	17.2	17.7	17.9	17.0	17.5	17.2
U05-222052	18.2	18.3	18.9	18.5	17.4	17.9	18.5
U05-226055	17.9	17.6	17.9	17.9	17.6	18.2	17.4
U05-710023	17.4	17.6	18.2	18.3	16.7	17.0	18.0
U05-741026	17.3	18.3	18.7	17.0	16.3	17.4	16.8
CS126	19.0	19.5	20.4	19.4	18.3	19.3	18.5

UNIFORM TEST III, 2009

OIL (%)

Strain	Queenstown MD	North Bend NE	Columbia MO	Hoytville OH	Wooster OH	Portageville (Loam) MO	South Charleston OH
IA3023 (III)	18.6	17.8	18.7	18.9	18.6	18.2	18.0
IA3024	18.9	18.0	18.9	19.7	19.3	17.4	18.4
U98-311442 (SCN)	17.8	17.2	18.1	18.9	18.8	19.4	16.5
IA4004	18.0	17.7	17.8	18.4	18.5	17.3	16.6
A06-911034	18.4	17.9	18.0	18.9	18.2	18.3	16.9
A06-912002	17.3	18.6	17.9	18.7	18.7	17.3	17.5
A06-912003	17.4	17.8	18.1	19.3	17.9	17.2	17.3
A06-912004	17.4	17.8	17.8	19.2	18.3	17.7	18.2
E05053	17.9	17.3	18.1	19.1	18.6	16.8	16.5
LD04-13265	17.8	17.2	17.8	18.9	18.3	18.5	17.0
LG05-2359	17.8	17.9	18.6	19.5	19.1	17.8	17.9
LS05-0202	17.2	17.2	17.8	18.3	17.5	18.4	17.1
CL04-10534	17.4	18.2	18.3	18.6	18.5	18.0	17.1
CL04-13234	16.6	17.3	17.8	18.1	18.2	18.1	17.2
CL04-132315	17.2	18.1	18.2	18.8	19.3	18.2	17.9
CL04-132319	16.9	17.4	17.4	18.3	18.0	17.4	16.2
U05-222052	18.3	17.4	18.2	18.7	19.2	18.0	16.7
U05-226055	18.1	18.1	18.2	18.2	18.3	18.7	17.0
U05-710023	16.8	17.4	17.6	17.4	17.8	17.4	16.1
U05-741026	16.9	17.4	17.2	18.4	17.5	17.0	15.7
CS126	18.8	19.4	19.1	19.3	18.8	17.6	18.2

Preliminary Test IIIA, 2009

Ent.	Strain	Parentage	Seed Source	Gen. Comp.	Unique Traits
1.	IA3023 (III)	Dairyland DSR-365 x Pioneer P9381	Fehr	F5	
2.	IA3024	A97-553017 x Pioneer YB33A99	Fehr		1% linolenic
3.	U98-311442 (SCN)	A94-773014 x Bell	Graef	F5	SCN
4.	IA4004	Dairyland 99433 x A01-409003	Fehr	F4	
5.	A08-152030	Soygenetics F10371 x IA2094	Fehr	F4	
6.	A08-248015	IA1021 x Dairyland 99753	Fehr	F4	
7.	A08-248030	A04-545015 x Syngenta WW228348	Fehr	F4	
8.	A08-248031	A04-545015 x Syngenta WW228348	Fehr	F4	
9.	A08-248037	A04-645031 x Syngenta M815869	Fehr	F4	
10.	A08-249008	Dairyland 99807 x A04-444032	Fehr	F4	
11.	A08-249009	Dairyland 99807 x A04-444032	Fehr	F4	
12.	A08-249012	U01-390489 x A04-545015	Fehr	F4	SCN
13.	A08-350016	A04-545045 x Dairyland 99640	Fehr	F4	
14.	A08-350018	Dairyland 99807 x A04-444032	Fehr	F4	
15.	A08-350020	Dairyland 99807 x A04-444032	Fehr	F4	
16.	A08-350036	A04-545045 x AgriPro 98180-A01-0613	Fehr	F4	
17.	A08-350042	A04-545045 x Soygenetics F26135C	Fehr	F4	
18.	A08-350049	U01-390489 x A04-645031	Fehr	F4	SCN
19.	LS06-1473	LNx97164-35 x LS93-0375	Klein	F5	SCN
20.	LS06-3968	LG03-4256	Klein	F6	
21.	K07-1031	IA3023 X U98-31142	Schapaugh	F4	
22.	K07-1037	IA3023 X U98-31142	Schapaugh	F4	
23.	K07-1166	IA3023 X LS01-1987	Schapaugh	F4	
24.	K07-1253	IA3023 X LS01-1987	Schapaugh	F4	
25.	K07-1273	IA3023 X LS01-1987	Schapaugh	F4	
26.	K07-1544	IA3023 X LD00-3309	Schapaugh	F4	
27.	K07-1713	K1620 X CRS3C8	Schapaugh	F4	
28.	K07-2015	LS93-0375 X K04-144	Schapaugh	F4	
29.	SS02-15464	PANA x CX1512-44	Sleper	F5	LOW LIN
30.	SS02-15887	CHIP1983-2115 x SN94-4337	Sleper	F5	LOW LIN
31.	SS02-15897	CHIP1983-2115 x SN94-4337	Sleper	F5	LOW LIN
32.	SS02-15924	CHIP1983-2115 x SN94-4337	Sleper	F5	LOW LIN
33.	SS03-3483	SS96-5637 x K1431	Sleper	F5	HIGH PROT
34.	U06-100052	CLOJ173-6 x U98-307917	Graef	F5	dt
35.	U06-101049	CLOJ173-6 x U98-307917	Graef	F4	
36.	U06-102875	NE2801 x U00-130753	Graef	F4	dt
37.	U06-206737	U01-290680 x NE3202	Graef	F4	
38.	U06-300952	U98-307917 x U01-310156	Graef	F4	IDC, dt
39.	U06-300984	U98-307917 x UP1C1-92-102	Graef	F4	
40.	U06-627125	U01-390489 x U97-209053-74	Graef	F4	SCN?

PRELIMINARY TEST IIIA, 2009

DESCRIPTIVE AND DISEASE DATA

Strain	Descriptive Code	<u>Chlorosis</u>	<u>Shattering</u>	<u>PR</u>		<u>FE</u>
		Score Humboldt IA	Score Ashland KS	Lafayette Race 4	Lafayette Race 7	Laf. a rx.
IA3023 (III)	WLtTDYBII	3.9	1.0	S	S	S
IA3024	PGTDYIbI	3.5	1.0	R*	R*	S
U98-311442 (SCN)	PGTDYIbI	4.0	2.0	S	S	S
IA4004	PTBDYYI	3.9	1.0	S	S	S
A08-152030	PLtBDYY+BrI	4.0	1.0	H*	H*	S
A08-248015	PLtBDYY+BrI	3.8	1.0	H*	H*	S
A08-248030	PGTIYYI	4.1	1.0	R*	R*	S
A08-248031	PTTDYYI	3.8	1.0	R*	S	S
A08-248037	PGBDYYI	3.9	2.0	H*	S	S
A08-249008	WTBDYYI	4.0	1.0	S	S	S
A08-249009	WLtBDYYI	3.6	1.0	R*	S	S
A08-249012	P+WT+GBDYYI	4.0	1.0	R*	S	S
A08-350016	WGBDYYI	3.5	1.0	S	S	S
A08-350018	WTBDYYI	3.8	2.0	S	S	S
A08-350020	PT+LtBDYYI	4.0	1.0	S	S	S
A08-350036	PGTDYYI	3.5	1.0	S	S	S
A08-350042	WGBDYYI	3.5	1.0	R*	R*	S
A08-350049	WGBDYYI	4.1	1.0	R*	R*	S
LS06-1473	PGBDYIbI	4.6	1.0	S	S	S
LS06-3968	WTBDYBII	4.3	1.0	S	S	S
K07-1031	P+WTTDYBII	3.8	1.0	S	S	S
K07-1037	WT+GTDYBI+BfI	3.6	1.0	S	S	S
K07-1166	WLtTDYBII	3.9	1.0	R*	R*	S
K07-1253	PTBDYBII	3.5	1.0	S	S	S
K07-1273	PTBDYBII	4.5	1.0	S	S	S
K07-1544	P+WLtBDYBII	4.0	1.0	S	S	S
K07-1713	WTBDYBrI	4.5	1.0	R*	S	-
K07-2015	PLtTDYBII	4.3	1.0	S	R*	S
SS02-15464	PGTSYBfI	4.1	1.0	H*	H*	S
SS02-15887	P+WTTSYI	3.9	1.0	S	S	S
SS02-15897	PTTIYHI	4.0	1.0	S	S	S
SS02-15924	PTTSYHI	4.0	1.0	H*	H*	S
SS03-3483	PTTDYBII	3.9	1.0	R*	R*	S
U06-100052	WLtBDYBID	3.8	1.0	R*	S	S
U06-101049	WLtTDYBII	4.0	1.0	S	S	-
U06-102875	WGTDYBfD	4.4	1.0	S	S	S
U06-206737	P+WGBDYY+GI	3.8	1.0	S	S	S
U06-300952	WTBDYBID	3.6	1.0	S	S	S
U06-300984	WLtBDYBII	4.1	1.0	S	S	S
U06-627125	WGBDYYI	3.9	1.0	S	S	S

PR: * = *P. sojae* inoc. Reaction NOT compatible with breeder's information about *Rps* Trait
 FE: S = susceptible, - = lesions not detected, x = no data

PRELIMINARY TEST IIIA, 2009

REGIONAL SUMMARY

No. of Tests Strain	Yield 11 bu/a	Rank 11 No.	Maturity 10 Date	Lodging 8 Score	Plant Height 8 In.	Seed Quality 6 Score	Seed Size 10 g/100	Composition	
								Protein 8 %	Oil 8 %
IA3023 (III)	69.5	16	9/24	1.6	31	1.3	17.6	33.2	18.3
IA3024	67.7	24	-3.2	1.5	32	1.6	18.3	32.0	18.9
U98-311442 (SCN)	66.1	29	5.8	1.8	33	1.8	15.7	34.6	17.9
IA4004	70.9	10	1.0	1.9	35	1.6	18.3	34.2	18.0
A08-152030	61.9	35	-5.0	1.6	32	1.3	19.1	35.2	18.1
A08-248015	69.9	13	-4.6	1.5	34	1.5	16.9	34.0	18.0
A08-248030	65.1	33	-6.0	1.5	34	1.5	15.9	35.1	17.8
A08-248031	69.2	19	-2.7	1.5	31	1.3	14.4	35.0	17.5
A08-248037	69.7	14	0.2	1.4	35	1.4	19.2	34.8	18.0
A08-249008	68.5	22	-4.3	1.4	35	1.3	16.6	33.3	18.2
A08-249009	67.4	26	-0.2	1.6	36	1.6	17.6	34.6	17.7
A08-249012	71.0	9	-0.6	1.7	38	1.6	17.9	34.1	18.4
A08-350016	71.6	5	0.3	1.6	35	1.7	18.8	34.1	18.3
A08-350018	67.0	27	-3.5	1.5	31	1.3	19.0	34.4	18.1
A08-350020	70.5	11	-3.2	1.9	35	1.5	17.2	34.1	17.5
A08-350036	72.2	4	3.7	2.0	37	1.6	17.5	34.4	17.8
A08-350042	72.6	2	3.8	1.8	38	1.3	16.8	34.6	17.8
A08-350049	71.1	8	0.8	1.6	37	1.7	20.9	34.1	18.3
LS06-1473	67.9	23	1.1	1.7	35	1.4	16.3	34.4	17.5
LS06-3968	65.3	31	0.4	1.5	33	1.5	17.5	33.9	18.2
K07-1031	68.7	20	5.5	1.6	34	2.0	18.4	33.6	18.3
K07-1037	66.9	28	5.2	1.6	35	1.6	16.6	33.5	18.5
K07-1166	70.4	12	4.1	1.7	33	1.3	16.8	32.6	18.3
K07-1253	71.3	7	7.7	2.0	35	1.6	15.9	32.7	18.1
K07-1273	67.5	25	2.2	1.6	33	1.5	16.6	33.6	17.9
K07-1544	74.6	1	5.6	1.4	34	1.5	17.3	33.3	18.5
K07-1713	69.3	18	8.8	1.8	36	1.8	19.0	34.5	17.5
K07-2015	69.5	16	6.6	1.8	37	1.4	16.2	33.8	18.1
SS02-15464	61.1	36	3.4	1.5	39	1.5	17.8	31.3	18.9
SS02-15887	57.5	39	0.5	1.9	36	1.5	14.3	32.2	19.2
SS02-15897	60.9	37	2.1	2.0	37	1.5	14.4	32.8	18.4
SS02-15924	59.8	38	-1.1	1.7	35	1.4	14.0	32.1	18.8
SS03-3483	53.3	40	4.6	2.1	39	1.5	16.2	37.5	15.7
U06-100052	71.4	6	-0.5	1.2	32	1.2	17.9	34.9	17.5
U06-101049	68.6	21	-1.7	1.5	31	1.4	18.3	34.1	17.7
U06-102875	65.7	30	-2.7	1.3	33	1.5	17.0	33.4	19.0
U06-206737	72.5	3	3.7	2.1	37	1.6	20.2	34.3	18.4
U06-300952	65.2	32	-2.3	1.4	28	1.6	17.6	34.5	17.9
U06-300984	69.7	14	1.5	1.4	33	1.4	16.7	33.8	18.1
U06-627125	63.1	34	0.3	1.5	36	1.4	17.3	33.4	18.6

132.5 Days After Planting

PRELIMINARY TEST IIIA, 2009

YIELD (bu/a)

Strain	Mean 11 Tests	Ames IA	Carlisle IA	Urbana IL	Lafayette IN	Ashland KS
IA3023 (III)	69.5	67.4	77.7	63.3	61.4	75.0
IA3024	67.7	62.5	76.1	61.5	54.8	66.6
U98-311442 (SCN)	66.1	66.1	65.4	60.5	61.2	59.7
IA4004	70.9	71.7	80.9	71.6	64.3	70.5
A08-152030	61.9	63.5	71.8	58.7	55.6	60.2
A08-248015	69.9	65.8	72.9	63.1	60.5	74.0
A08-248030	65.1	65.7	67.6	59.4	60.6	65.2
A08-248031	69.2	67.2	78.8	63.9	64.8	69.0
A08-248037	69.7	67.1	80.3	65.8	59.8	75.5
A08-249008	68.5	64.6	79.0	63.1	58.7	72.4
A08-249009	67.4	65.4	87.9	60.2	56.0	71.6
A08-249012	71.0	69.9	77.2	63.3	65.4	69.0
A08-350016	71.6	72.5	82.7	64.1	63.3	65.5
A08-350018	67.0	66.2	74.1	59.9	59.0	69.8
A08-350020	70.5	66.1	79.3	66.1	59.8	73.9
A08-350036	72.2	66.6	80.9	67.5	71.5	69.4
A08-350042	72.6	69.8	80.7	68.1	70.6	71.3
A08-350049	71.1	70.5	87.3	59.9	67.7	70.0
LS06-1473	67.9	62.7	68.5	61.7	64.6	68.5
LS06-3968	65.3	59.1	76.4	65.5	59.3	64.2
K07-1031	68.7	71.0	72.1	65.2	60.2	72.4
K07-1037	66.9	60.4	77.1	68.7	64.1	66.3
K07-1166	70.4	69.4	80.5	75.3	67.9	70.9
K07-1253	71.3	70.2	81.0	71.3	70.3	76.2
K07-1273	67.5	69.8	75.3	66.7	63.3	69.0
K07-1544	74.6	71.5	90.1	69.6	65.3	78.4
K07-1713	69.3	68.9	74.9	71.6	66.9	64.0
K07-2015	69.5	68.9	82.9	63.7	69.7	68.3
SS02-15464	61.1	59.9	64.6	57.3	55.8	61.1
SS02-15887	57.5	64.5	65.9	59.9	51.8	61.0
SS02-15897	60.9	63.5	61.7	59.3	55.6	61.8
SS02-15924	59.8	63.3	58.8	60.5	54.8	62.4
SS03-3483	53.3	52.5	56.9	56.2	50.0	51.5
U06-100052	71.4	70.1	76.8	70.0	60.5	72.5
U06-101049	68.6	68.9	74.1	57.3	64.2	71.8
U06-102875	65.7	62.1	73.5	59.2	62.2	59.7
U06-206737	72.5	62.5	76.9	60.5	65.4	71.5
U06-300952	65.2	63.1	76.3	64.7	62.2	62.6
U06-300984	69.7	68.8	80.7	67.6	67.1	73.6
U06-627125	63.1	62.9	73.6	52.1	58.8	65.1
Location Mean		66.0	75.5	63.6	61.9	68.0
C.V. (%)		6.2	5.4	5.2	6.9	4.1
L.S.D. (5%)		8.3	8.2	6.7	8.7	4.7
Row Sp. (In.)		27	27	30	30	30
Rows/Plot		4	4	4	4	4
Reps		2	2	2	2	2

PRELIMINARY TEST IIIA, 2009

YIELD (bu/a)

Strain	Columbia MO	Dewitt NE	Lincoln NE	North Bend NE	Hoytville OH	South Charleston OH
IA3023 (III)	60.7	58.8	85.4	80.7	63.1	71.2
IA3024	54.0	66.5	84.6	73.4	61.3	83.6
U98-311442 (SCN)	76.6	58.0	74.0	70.3	58.0	77.2
IA4004	57.7	66.4	81.1	78.9	59.9	76.9
A08-152030	52.7	46.4	83.6	68.8	57.1	62.1
A08-248015	65.3	63.8	85.0	77.9	58.3	81.9
A08-248030	52.5	56.4	75.3	78.3	58.4	76.2
A08-248031	53.5	65.6	76.4	78.5	58.3	85.0
A08-248037	53.7	66.3	85.3	71.5	62.6	78.5
A08-249008	53.4	64.5	80.9	78.7	51.8	86.0
A08-249009	44.1	69.9	82.8	69.4	60.1	74.0
A08-249012	50.2	66.9	81.7	84.3	58.7	94.4
A08-350016	59.8	69.7	86.8	85.6	61.0	76.3
A08-350018	55.1	65.6	80.1	70.2	54.3	82.5
A08-350020	54.3	71.9	86.7	71.2	61.7	84.8
A08-350036	68.0	64.9	85.5	80.7	61.1	78.0
A08-350042	63.5	70.7	78.6	81.8	65.0	78.6
A08-350049	60.8	71.4	80.9	78.1	63.3	71.9
LS06-1473	60.0	60.1	79.8	77.7	54.6	88.6
LS06-3968	58.5	57.7	73.2	68.7	59.9	75.9
K07-1031	63.5	62.6	79.3	77.7	67.0	64.6
K07-1037	53.0	58.7	82.2	76.8	61.7	67.3
K07-1166	75.7	49.4	80.7	72.2	60.0	72.8
K07-1253	67.8	43.5	80.9	77.9	69.9	75.3
K07-1273	40.0	51.5	92.4	84.7	56.9	72.5
K07-1544	66.4	72.9	81.8	83.1	67.3	74.5
K07-1713	65.8	53.1	77.9	78.5	71.8	69.1
K07-2015	63.6	59.8	80.4	75.2	57.7	74.5
SS02-15464	60.4	50.3	72.4	69.5	60.5	60.7
SS02-15887	33.9	45.8	72.1	74.6	53.1	49.7
SS02-15897	51.0	40.0	70.4	76.3	56.9	73.4
SS02-15924	50.6	44.2	75.1	75.3	55.0	57.4
SS03-3483	47.6	37.6	66.0	61.6	49.4	57.2
U06-100052	61.9	73.4	82.4	86.6	60.0	71.1
U06-101049	59.6	63.7	80.9	77.5	59.6	76.9
U06-102875	53.3	59.1	81.5	78.8	57.8	75.1
U06-206737	69.7	78.8	83.7	77.4	65.5	85.6
U06-300952	49.6	49.4	84.0	61.7	58.5	85.5
U06-300984	43.9	63.3	83.1	78.7	62.2	78.3
U06-627125	41.2	52.7	80.0	69.8	59.7	78.7
Location Mean	56.8	59.8	80.4	76.0	60.0	75.1
C.V. (%)	9.3	9.4	5.5	6.9	7.0	12.0
L.S.D. (5%)	8.9	14.0	11.6	13.0	8.5	17.1
Row Sp. (In.)	30	30	30	30	7.5	15
Rows/Plot	4	4	4	4	8	6
Reps	2	2	2	2	2	2

PRELIMINARY TEST IIIA, 2009

YIELD RANK

Strain	Yield Rank	Ames IA	Carlisle IA	Urbana IL	Lafayette IN	Ashland KS
IA3023 (III)	16	16	16	20	21	4
IA3024	24	34	23	25	37	25
U98-311442 (SCN)	29	21	36	26	22	38
IA4004	10	2	7	2	14	16
A08-152030	35	28	32	36	35	37
A08-248015	13	23	30	22	24	5
A08-248030	33	24	34	33	23	28
A08-248031	19	17	15	18	12	20
A08-248037	14	18	12	13	27	3
A08-249008	22	26	14	22	32	9
A08-249009	26	25	2	29	33	12
A08-249012	9	8	17	20	9	20
A08-350016	5	1	5	17	17	27
A08-350018	27	20	26	30	30	18
A08-350020	11	21	13	12	27	6
A08-350036	4	19	7	10	1	19
A08-350042	2	9	9	8	2	14
A08-350049	8	5	3	30	6	17
LS06-1473	23	33	33	24	13	23
LS06-3968	31	39	21	14	29	30
K07-1031	20	4	31	15	26	9
K07-1037	28	37	18	7	16	26
K07-1166	12	11	11	1	5	15
K07-1253	7	6	6	4	3	2
K07-1273	25	9	24	11	17	20
K07-1544	1	3	1	6	11	1
K07-1713	18	12	25	2	8	31
K07-2015	16	12	4	19	4	24
SS02-15464	36	38	37	37	34	35
SS02-15887	39	27	35	30	39	36
SS02-15897	37	28	38	34	35	34
SS02-15924	38	30	39	26	37	33
SS03-3483	40	40	40	39	40	40
U06-100052	6	7	20	5	25	8
U06-101049	21	12	26	37	15	11
U06-102875	30	36	29	35	19	38
U06-206737	3	34	19	26	9	13
U06-300952	32	31	22	16	19	32
U06-300984	14	15	9	9	7	7
U06-627125	34	32	28	40	31	29

PRELIMINARY TEST IIIA, 2009

YIELD RANK

Strain	Columbia MO	Dewitt NE	Lincoln NE	North Bend NE	Hoytville OH	South Charleston OH
IA3023 (III)	14	24	5	7	8	31
IA3024	23	10	8	28	12	8
U98-311442 (SCN)	1	26	35	32	25	16
IA4004	20	11	19	9	18	17
A08-152030	29	35	11	37	28	36
A08-248015	8	17	7	17	24	10
A08-248030	30	28	33	15	23	20
A08-248031	25	13	32	13	24	6
A08-248037	24	12	6	30	9	13
A08-249008	26	16	20	11	34	3
A08-249009	36	7	13	36	16	26
A08-249012	33	9	17	4	21	1
A08-350016	17	8	2	2	14	19
A08-350018	21	14	26	33	32	9
A08-350020	22	4	3	31	11	7
A08-350036	4	15	4	8	13	15
A08-350042	10	6	30	6	6	12
A08-350049	13	5	21	16	7	30
LS06-1473	16	21	28	19	31	2
LS06-3968	19	27	36	38	18	21
K07-1031	10	20	29	20	4	35
K07-1037	28	25	15	23	11	34
K07-1166	2	33	24	29	17	28
K07-1253	5	38	22	18	2	22
K07-1273	39	31	1	3	29	29
K07-1544	6	3	16	5	3	24
K07-1713	7	29	31	14	1	33
K07-2015	9	22	25	26	27	24
SS02-15464	15	32	37	35	15	37
SS02-15887	40	36	38	27	33	40
SS02-15897	31	39	39	24	29	27
SS02-15924	32	37	34	25	30	38
SS03-3483	35	40	40	40	35	39
U06-100052	12	2	14	1	17	32
U06-101049	18	18	23	21	20	17
U06-102875	27	23	18	10	26	23
U06-206737	3	1	10	22	5	4
U06-300952	34	34	9	39	22	5
U06-300984	37	19	12	12	10	14
U06-627125	38	30	27	34	19	11

PRELIMINARY TEST IIIA, 2009

MATURITY (date)

Strain	Mean 10 Tests	Ames IA	Carlisle IA	Urbana IL	Lafayette IN	Ashland KS
IA3023 (III)	9/24	9/26	9/28	9/20	9/29	9/27
IA3024	-3.2	-3	-5	-4	-5	-5
U98-311442 (SCN)	5.8	8	5	7	5	3
IA4004	1.0	2	-1	6	2	0
A08-152030	-5.0	-5	-6	-4	-5	-5
A08-248015	-4.6	-5	-5	-4	-6	-5
A08-248030	-6.0	-6	-7	-4	-8	-7
A08-248031	-2.7	-4	-4	-3	-3	-6
A08-248037	0.2	1	-2	2	0	4
A08-249008	-4.3	-4	-5	-2	-5	-1
A08-249009	-0.2	-1	-3	3	0	-1
A08-249012	-0.6	0	-2	2	-1	-2
A08-350016	0.3	2	-2	2	1	1
A08-350018	-3.5	-4	-5	-1	-2	-6
A08-350020	-3.2	-2	-4	1	-3	-6
A08-350036	3.7	2	3	7	6	6
A08-350042	3.8	4	1	8	5	-0
A08-350049	0.8	1	1	3	2	-6
LS06-1473	1.1	2	-1	3	2	3
LS06-3968	0.4	-2	-1	5	1	-0
K07-1031	5.5	4	4	9	7	8
K07-1037	5.2	4	2	10	6	2
K07-1166	4.1	4	3	8	6	2
K07-1253	7.7	9	11	12	8	4
K07-1273	2.2	3	-1	3	5	0
K07-1544	5.6	8	5	10	8	2
K07-1713	8.8	15	8	12	9	9
K07-2015	6.6	8	6	9	6	8
SS02-15464	3.4	3	2	7	5	2
SS02-15887	0.5	1	1	5	1	1
SS02-15897	2.1	3	1	6	2	4
SS02-15924	-1.1	-3	-4	2	1	-3
SS03-3483	4.6	8	4	12	5	-10
U06-100052	-0.5	-1	-3	2	0	-3
U06-101049	-1.7	1	-3	1	-2	-7
U06-102875	-2.7	-3	-5	-1	-3	-6
U06-206737	3.7	5	7	5	5	-1
U06-300952	-2.3	-2	-5	2	-2	-5
U06-300984	1.5	3	0	5	2	0
U06-627125	0.3	-2	-1	2	3	-3
Date Planted	5/15	5/6	5/7	5/23	5/26	5/28
Days to Mature	133	143	144	120	126	122

PRELIMINARY TEST IIIA, 2009

MATURITY (date)

Strain	Columbia MO	Dewitt NE	Lincoln NE	North Bend NE	Hoytville OH	South Charleston OH
IA3023 (III)	9/17		9/30	9/28	9/18	9/23
IA3024	0		-2	-1	-4	-3
U98-311442 (SCN)	6		4	3	8	9
IA4004	4		-3	-1	0	0
A08-152030	-2		-7	-6	-4	-7
A08-248015	-2		-3	-6	-4	-6
A08-248030	-4		-9	-5	-4	-6
A08-248031	0		1	-2	-2	-5
A08-248037	1		0	-1	0	-3
A08-249008	-2		-8	-5	-4	-7
A08-249009	1		-2	-2	1	1
A08-249012	0		0	-2	0	-1
A08-350016	0		1	-2	0	-0
A08-350018	0		-6	-4	-3	-5
A08-350020	-3		-5	-3	-3	-4
A08-350036	5		3	0	3	2
A08-350042	6		2	3	5	4
A08-350049	3		1	0	1	2
LS06-1473	4		-3	-2	1	2
LS06-3968	5		0	-2	-2	0
K07-1031	7		4	3	6	4
K07-1037	7		4	3	8	6
K07-1166	5		3	3	5	3
K07-1253	7		4	6	7	10
K07-1273	3		2	4	1	2
K07-1544	4		2	3	5	9
K07-1713	6		6	7	7	10
K07-2015	5		4	7	6	8
SS02-15464	4		3	0	5	4
SS02-15887	2		1	-2	-1	-3
SS02-15897	4		1	-1	-1	3
SS02-15924	3		-2	-3	-3	0
SS03-3483	6		5	3	8	5
U06-100052	2		0	-2	-1	1
U06-101049	1		-3	-2	-4	2
U06-102875	0		-4	-2	-1	-3
U06-206737	6		2	1	3	4
U06-300952	1		-5	-3	-4	-1
U06-300984	2		0	-2	1	4
U06-627125	0		1	0	3	0
Date Planted	5/21	5/11	5/21	5/14	5/12	4/27
Days to Mature	122			137	129	149

PRELIMINARY TEST IIIA, 2009

LODGING (score)

Strain	Mean 8 Tests	Ames IA	Carlisle IA	Urbana IL	Lafayette IN	Ashland KS
IA3023 (III)	1.6	1.5	2.0	1.3	1.0	2.0
IA3024	1.5	1.5	2.3	1.0	1.0	2.0
U98-311442 (SCN)	1.8	1.8	2.8	1.3	1.0	2.5
IA4004	1.9	2.0	2.5	1.5	1.0	2.5
A08-152030	1.6	1.5	2.5	1.3	1.0	1.5
A08-248015	1.5	1.5	2.0	1.3	1.3	1.0
A08-248030	1.5	1.8	2.3	1.0	1.0	1.5
A08-248031	1.5	1.5	2.3	1.0	1.0	1.5
A08-248037	1.4	1.8	2.5	1.5	1.0	1.0
A08-249008	1.4	1.5	2.0	1.5	1.0	1.0
A08-249009	1.6	1.5	2.3	1.3	1.0	2.0
A08-249012	1.7	1.8	2.5	1.5	1.0	2.0
A08-350016	1.6	2.0	2.0	1.3	1.0	2.0
A08-350018	1.5	1.5	2.3	1.0	1.0	2.0
A08-350020	1.9	1.8	2.8	1.5	1.3	2.0
A08-350036	2.0	2.0	2.8	1.5	1.3	2.0
A08-350042	1.8	1.5	2.5	1.3	1.0	2.0
A08-350049	1.6	2.0	2.5	1.8	1.0	1.0
LS06-1473	1.7	1.8	2.8	1.3	1.0	2.5
LS06-3968	1.5	1.5	2.3	1.3	1.0	1.5
K07-1031	1.6	1.8	2.8	1.0	1.0	2.0
K07-1037	1.6	1.5	2.8	1.5	1.0	2.0
K07-1166	1.7	1.5	2.3	1.5	1.0	1.5
K07-1253	2.0	2.0	2.8	2.5	1.0	2.0
K07-1273	1.6	2.0	2.0	1.3	1.0	1.5
K07-1544	1.4	1.5	2.0	1.0	1.0	1.0
K07-1713	1.8	1.5	2.8	1.3	1.0	2.0
K07-2015	1.8	2.0	2.5	1.5	1.0	2.0
SS02-15464	1.5	1.3	2.3	1.3	1.0	2.0
SS02-15887	1.9	1.8	2.5	1.3	1.0	2.0
SS02-15897	2.0	2.0	3.0	2.0	1.0	2.0
SS02-15924	1.7	1.5	2.5	1.5	1.0	2.0
SS03-3483	2.1	1.8	3.0	2.0	1.0	3.0
U06-100052	1.2	1.5	2.0	1.0	1.0	1.0
U06-101049	1.5	1.5	2.0	1.0	1.0	2.0
U06-102875	1.3	1.5	2.0	1.3	1.0	1.0
U06-206737	2.1	2.0	3.0	2.0	1.0	2.5
U06-300952	1.4	1.3	2.0	2.0	1.0	2.0
U06-300984	1.4	1.8	2.0	1.5	1.0	1.5
U06-627125	1.5	1.8	2.3	1.5	1.0	2.0

PRELIMINARY TEST IIIA, 2009

LODGING (score)

Strain	Columbia MO	Dewitt NE	Lincoln NE	North Bend NE	Hoytville OH	South Charleston OH
IA3023 (III)	1.5				1.0	2.6
IA3024	1.5				1.0	1.6
U98-311442 (SCN)	2.0				1.0	2.3
IA4004	2.0				1.0	2.3
A08-152030	2.0				1.0	2.1
A08-248015	2.5				1.0	1.6
A08-248030	2.0				1.0	1.7
A08-248031	2.0				1.0	1.8
A08-248037	1.0				1.0	1.5
A08-249008	1.5				1.0	1.8
A08-249009	2.0				1.0	1.7
A08-249012	1.5				1.0	2.1
A08-350016	2.0				1.0	1.5
A08-350018	1.5				1.0	1.9
A08-350020	3.0				1.0	1.9
A08-350036	3.0				1.0	2.2
A08-350042	3.0				1.0	2.3
A08-350049	1.5				1.0	1.7
LS06-1473	1.5				1.0	1.6
LS06-3968	1.5				1.0	1.8
K07-1031	1.5				1.0	2.1
K07-1037	1.5				1.0	1.7
K07-1166	2.5				1.0	2.2
K07-1253	2.5				1.0	2.3
K07-1273	2.0				1.0	2.0
K07-1544	2.0				1.0	1.5
K07-1713	2.0				1.0	2.6
K07-2015	2.5				1.0	1.8
SS02-15464	1.5				1.0	1.9
SS02-15887	1.5				1.0	3.7
SS02-15897	1.5				1.0	3.4
SS02-15924	1.5				1.0	2.8
SS03-3483	2.0				1.0	3.2
U06-100052	1.0				1.0	1.4
U06-101049	1.5				1.0	1.7
U06-102875	1.5				1.0	1.3
U06-206737	2.5				1.0	2.5
U06-300952	1.0				1.0	1.1
U06-300984	1.0				1.0	1.6
U06-627125	1.0				1.0	1.6

PRELIMINARY TEST IIIA, 2009

PLANT HEIGHT (inches)

Strain	Mean 8 Tests	Ames IA	Carlisle IA	Urbana IL	Lafayette IN	Ashland KS
IA3023 (III)	31	34	32	27	30	34
IA3024	32	35	32	29	32	40
U98-311442 (SCN)	33	38	35	29	31	37
IA4004	35	40	36	31	34	46
A08-152030	32	38	31	32	34	23
A08-248015	34	35	32	29	35	46
A08-248030	34	39	31	29	33	43
A08-248031	31	35	31	29	31	33
A08-248037	35	41	33	33	32	45
A08-249008	35	38	33	31	34	43
A08-249009	36	40	35	33	35	50
A08-249012	38	43	38	36	36	51
A08-350016	35	42	36	31	34	39
A08-350018	31	38	32	28	33	35
A08-350020	35	42	35	32	36	41
A08-350036	37	42	37	33	37	48
A08-350042	38	41	36	34	38	52
A08-350049	37	47	41	35	39	30
LS06-1473	35	37	35	29	33	56
LS06-3968	33	36	34	31	35	39
K07-1031	34	38	36	29	31	42
K07-1037	35	39	34	33	35	41
K07-1166	33	37	34	32	32	33
K07-1253	35	38	36	35	35	35
K07-1273	33	38	32	33	32	43
K07-1544	34	37	34	31	30	47
K07-1713	36	42	35	35	35	42
K07-2015	37	39	38	34	36	43
SS02-15464	39	42	38	39	37	50
SS02-15887	36	43	35	35	36	45
SS02-15897	37	43	35	39	35	44
SS02-15924	35	37	33	34	34	46
SS03-3483	39	43	37	38	37	51
U06-100052	32	33	32	30	28	45
U06-101049	31	38	32	28	34	25
U06-102875	33	36	32	31	34	41
U06-206737	37	43	37	33	37	47
U06-300952	28	32	30	28	30	30
U06-300984	33	39	34	35	35	33
U06-627125	36	43	36	33	36	48

PRELIMINARY TEST IIIA, 2009

PLANT HEIGHT (inches)

Strain	Columbia MO	Dewitt NE	Lincoln NE	North Bend NE	Hoytville OH	South Charleston OH
IA3023 (III)	28				27	35
IA3024	27				29	31
U98-311442 (SCN)	28				32	34
IA4004	28				30	36
A08-152030	31				31	35
A08-248015	30				32	34
A08-248030	28				32	34
A08-248031	27				28	31
A08-248037	28				30	37
A08-249008	31				32	36
A08-249009	27				32	37
A08-249012	30				33	34
A08-350016	28				33	34
A08-350018	28				27	31
A08-350020	27				33	37
A08-350036	33				33	36
A08-350042	29				35	39
A08-350049	32				33	39
LS06-1473	27				29	36
LS06-3968	27				29	33
K07-1031	26				33	35
K07-1037	28				32	37
K07-1166	26				33	34
K07-1253	29				34	37
K07-1273	26				30	34
K07-1544	28				30	34
K07-1713	29				33	36
K07-2015	31				35	38
SS02-15464	31				32	41
SS02-15887	30				32	34
SS02-15897	29				32	41
SS02-15924	29				31	35
SS03-3483	30				34	40
U06-100052	27				27	31
U06-101049	27				28	36
U06-102875	26				29	32
U06-206737	31				32	37
U06-300952	19				26	28
U06-300984	26				30	32
U06-627125	24				35	34

PRELIMINARY TEST IIIA, 2009

SEED QUALITY (score)

Strain	Mean 6 Tests	Ames IA	Carlisle IA	Urbana IL	Lafayette IN	Ashland KS
IA3023 (III)	1.3			1.0	1.0	2.0
IA3024	1.6			1.0	1.0	2.0
U98-311442 (SCN)	1.8			2.0	1.0	3.0
IA4004	1.6			1.0	1.0	3.0
A08-152030	1.3			1.0	1.0	2.0
A08-248015	1.5			1.0	1.0	3.0
A08-248030	1.5			1.0	1.0	2.0
A08-248031	1.3			1.0	1.0	2.0
A08-248037	1.4			1.0	1.5	2.0
A08-249008	1.3			1.0	1.0	2.0
A08-249009	1.6			1.0	1.5	3.0
A08-249012	1.6			1.0	1.5	3.0
A08-350016	1.7			1.0	1.0	3.0
A08-350018	1.3			1.0	1.0	2.0
A08-350020	1.5			1.0	1.0	3.0
A08-350036	1.6			1.0	1.0	3.0
A08-350042	1.3			1.0	1.0	2.0
A08-350049	1.7			1.0	1.5	2.0
LS06-1473	1.4			1.0	1.0	2.0
LS06-3968	1.5			2.0	1.0	2.0
K07-1031	2.0			2.0	1.0	2.0
K07-1037	1.6			1.0	1.0	2.0
K07-1166	1.3			1.0	1.0	2.0
K07-1253	1.6			1.0	1.0	2.0
K07-1273	1.5			1.0	1.0	3.0
K07-1544	1.5			1.0	1.0	2.0
K07-1713	1.8			2.0	1.0	3.0
K07-2015	1.4			1.0	1.0	2.0
SS02-15464	1.5			2.0	1.0	2.0
SS02-15887	1.5			1.0	1.0	2.0
SS02-15897	1.5			1.0	1.0	3.0
SS02-15924	1.4			1.0	1.0	2.0
SS03-3483	1.5			1.0	1.0	2.0
U06-100052	1.2			1.0	1.0	2.0
U06-101049	1.4			1.0	1.0	2.0
U06-102875	1.5			1.0	1.0	2.0
U06-206737	1.6			1.0	1.5	3.0
U06-300952	1.6			1.0	1.0	2.0
U06-300984	1.4			1.0	1.0	2.0
U06-627125	1.4			1.0	1.0	2.0

PRELIMINARY TEST IIIA, 2009

SEED QUALITY (score)

Strain	Columbia MO	Dewitt NE	Lincoln NE	North Bend NE	Hoytville OH	South Charleston OH
IA3023 (III)	1.0				1.0	1.5
IA3024	2.0				1.0	2.8
U98-311442 (SCN)	1.0				1.0	2.9
IA4004	1.0				1.0	2.4
A08-152030	1.0				1.0	2.0
A08-248015	1.0				1.0	2.0
A08-248030	1.0				1.0	2.8
A08-248031	1.0				1.0	2.1
A08-248037	1.0				1.0	1.8
A08-249008	1.0				1.0	2.0
A08-249009	1.0				1.0	2.3
A08-249012	1.0				1.0	2.1
A08-350016	1.0				1.0	3.1
A08-350018	1.0				1.0	2.0
A08-350020	1.0				1.0	2.1
A08-350036	1.0				1.0	2.8
A08-350042	1.0				1.0	2.1
A08-350049	2.0				1.0	3.0
LS06-1473	1.0				1.0	2.3
LS06-3968	1.0				1.0	2.0
K07-1031	2.0				2.0	3.1
K07-1037	1.0				2.0	2.5
K07-1166	1.0				1.0	1.7
K07-1253	1.0				2.0	2.4
K07-1273	1.0				1.0	2.0
K07-1544	1.0				2.0	2.1
K07-1713	1.0				1.0	2.6
K07-2015	2.0				1.0	1.5
SS02-15464	1.0				1.0	2.0
SS02-15887	2.0				1.0	2.1
SS02-15897	1.0				1.0	2.1
SS02-15924	1.0				1.0	2.2
SS03-3483	1.0				1.0	2.8
U06-100052	1.0				1.0	1.2
U06-101049	2.0				1.0	1.7
U06-102875	2.0				1.0	2.0
U06-206737	1.0				1.0	2.1
U06-300952	2.0				1.0	2.5
U06-300984	1.0				1.0	2.5
U06-627125	1.0				1.0	2.5

PRELIMINARY TEST IIIA, 2009

SEED SIZE (g/100)

Strain	Mean 10 Tests	Ames IA	Carlisle IA	Urbana IL	Lafayette IN	Ashland KS
IA3023 (III)	17.6	17.3	18.4	17.6	19.8	17.0
IA3024	18.3	17.6	19.1	17.3	19.1	18.0
U98-311442 (SCN)	15.7	16.5	16.2	16.5	17.0	15.0
IA4004	18.3	17.9	18.8	18.1	19.9	18.0
A08-152030	19.1	18.1	19.6	18.5	20.9	18.0
A08-248015	16.9	16.7	17.1	15.7	17.4	15.0
A08-248030	15.9	16.4	16.1	14.4	16.6	17.0
A08-248031	14.4	15.1	15.3	13.2	15.1	14.0
A08-248037	19.2	18.7	20.4	18.0	20.2	20.0
A08-249008	16.6	16.7	17.7	15.6	18.2	17.0
A08-249009	17.6	17.8	19.6	16.9	19.5	17.0
A08-249012	17.9	18.0	18.5	16.6	20.0	16.0
A08-350016	18.8	19.2	20.5	17.1	20.8	17.0
A08-350018	19.0	19.3	20.2	17.9	20.9	21.0
A08-350020	17.2	17.2	18.4	15.8	18.4	18.0
A08-350036	17.5	17.2	19.2	16.6	18.7	16.0
A08-350042	16.8	16.4	18.5	16.0	17.6	17.0
A08-350049	20.9	20.9	22.0	20.3	23.7	19.0
LS06-1473	16.3	15.5	15.9	14.3	17.2	22.0
LS06-3968	17.5	18.2	18.8	16.8	18.9	18.0
K07-1031	18.4	18.5	20.0	17.8	19.6	19.0
K07-1037	16.6	16.9	16.8	16.7	17.9	17.0
K07-1166	16.8	17.2	18.2	16.9	18.0	17.0
K07-1253	15.9	15.8	17.2	15.5	17.4	16.0
K07-1273	16.6	17.1	16.7	15.8	17.9	17.0
K07-1544	17.3	17.3	18.3	16.9	18.7	17.0
K07-1713	19.0	18.5	20.1	18.5	19.4	20.0
K07-2015	16.2	15.1	17.6	14.9	17.2	18.0
SS02-15464	17.8	18.1	19.2	17.7	19.0	18.0
SS02-15887	14.3	15.8	14.9	13.6	14.8	15.0
SS02-15897	14.4	15.2	15.6	13.2	15.5	14.0
SS02-15924	14.0	14.7	14.6	13.3	15.1	14.0
SS03-3483	16.2	16.7	18.1	15.5	16.4	16.0
U06-100052	17.9	18.4	19.6	17.5	20.0	17.0
U06-101049	18.3	18.2	18.9	16.8	20.0	20.0
U06-102875	17.0	16.4	18.4	15.5	17.7	16.0
U06-206737	20.2	19.6	22.1	17.3	21.5	21.0
U06-300952	17.6	17.8	19.3	17.8	19.0	17.0
U06-300984	16.7	16.0	17.5	17.1	17.6	18.0
U06-627125	17.3	17.4	18.5	15.7	18.3	17.0

PRELIMINARY TEST IIIA, 2009

SEED SIZE (g/100)

Strain	Columbia MO	Dewitt NE	Lincoln NE	North Bend NE	Hoytville OH	South Charleston OH
IA3023 (III)	15.8		16.9	17.9	16.9	18.8
IA3024	16.0		17.6	20.8	17.6	20.0
U98-311442 (SCN)	14.6		14.5	14.9	15.1	17.1
IA4004	17.1		16.4	18.3	18.3	19.8
A08-152030	17.6		19.6	20.7	18.3	19.9
A08-248015	14.9		17.2	18.1	16.8	19.7
A08-248030	14.2		14.7	16.4	14.9	18.7
A08-248031	12.3		13.3	15.8	13.8	16.3
A08-248037	19.1		17.5	18.3	17.6	22.0
A08-249008	13.2		16.3	17.4	15.5	18.5
A08-249009	14.9		16.6	17.8	16.6	19.5
A08-249012	16.2		16.9	18.8	16.2	21.9
A08-350016	16.0		18.2	20.1	18.7	20.7
A08-350018	15.0		18.4	19.6	17.0	20.9
A08-350020	13.5		16.7	17.7	16.5	20.2
A08-350036	16.3		17.0	16.9	17.6	19.4
A08-350042	14.3		16.1	17.2	16.0	18.6
A08-350049	19.1		19.1	22.0	19.5	23.4
LS06-1473	15.7		14.5	15.9	14.5	17.9
LS06-3968	15.9		16.3	17.7	16.3	18.4
K07-1031	17.5		16.7	18.0	17.3	19.9
K07-1037	15.5		15.2	16.2	15.6	18.1
K07-1166	15.4		15.3	16.1	16.7	17.5
K07-1253	15.3		15.0	15.8	13.7	17.8
K07-1273	15.5		16.0	16.8	15.3	18.1
K07-1544	15.7		15.5	16.6	17.1	19.7
K07-1713	18.0		17.0	18.6	19.4	20.8
K07-2015	13.5		15.6	15.5	16.1	18.2
SS02-15464	15.8		17.3	16.7	17.9	18.4
SS02-15887	11.9		13.7	15.3	13.3	15.1
SS02-15897	11.6		14.5	15.7	13.1	15.4
SS02-15924	11.9		13.7	14.8	13.4	15.0
SS03-3483	13.6		14.9	16.5	16.0	18.4
U06-100052	15.9		16.6	17.9	17.0	19.4
U06-101049	16.3		16.1	18.1	18.1	20.7
U06-102875	16.6		15.7	19.4	16.4	18.1
U06-206737	18.8		19.8	21.3	17.1	23.5
U06-300952	15.3		16.5	15.4	17.5	20.2
U06-300984	14.0		15.2	16.6	16.0	18.7
U06-627125	15.1		17.0	19.5	15.5	19.0

PRELIMINARY TEST IIIA, 2009

PROTEIN (%)

Strain	Mean 8 Tests	Carlisle IA	Urbana IL	Lafayette IN	Ashland KS	Columbia MO	North Bend NE	Hoytville OH	South Charleston OH
IA3023 (III)	33.2	32.5	31.7	33.1	33.7	34.6	33.8	32.0	33.9
IA3024	32.0	31.3	27.6	32.7	33.8	33.1	33.2	31.3	33.4
U98-311442 (SCN)	34.6	35.7	31.7	34.8	35.5	34.7	34.3	33.7	36.2
IA4004	34.2	34.7	30.9	35.3	34.5	34.2	34.9	33.2	35.7
A08-152030	35.2	35.2	33.0	35.0	35.4	34.9	35.3	35.7	36.9
A08-248015	34.0	33.5	33.2	33.7	34.4	34.0	34.5	32.8	35.6
A08-248030	35.1	34.5	32.8	35.8	35.1	36.1	35.6	34.1	36.5
A08-248031	35.0	34.4	33.3	35.5	35.9	34.3	35.5	34.3	36.5
A08-248037	34.8	35.1	32.2	34.6	35.6	34.1	35.5	34.6	36.3
A08-249008	33.3	33.4	31.9	33.6	35.1	31.0	33.7	32.9	35.1
A08-249009	34.6	34.7	31.7	35.8	35.1	33.7	34.6	34.7	36.5
A08-249012	34.1	33.2	33.0	34.4	34.9	33.1	33.9	34.7	35.9
A08-350016	34.1	34.4	31.8	34.6	34.9	33.3	34.7	33.4	35.6
A08-350018	34.4	34.8	32.8	35.0	34.9	34.2	34.6	33.8	35.3
A08-350020	34.1	33.9	31.5	33.9	36.1	34.2	34.2	33.1	36.3
A08-350036	34.4	34.8	32.1	34.8	35.0	34.0	35.2	33.6	35.6
A08-350042	34.6	34.9	32.5	35.2	35.9	33.6	34.8	34.9	35.4
A08-350049	34.1	33.8	31.7	34.6	33.3	34.8	35.0	33.7	36.0
LS06-1473	34.4	33.9	31.8	35.1	34.8	35.4	34.1	33.9	36.6
LS06-3968	33.9	33.2	31.9	34.0	34.9	34.4	33.7	33.8	35.5
K07-1031	33.6	33.2	31.8	34.1	34.2	33.5	34.5	33.6	33.8
K07-1037	33.5	34.0	30.9	35.6	34.0	32.5	34.1	32.9	34.1
K07-1166	32.6	32.3	32.2	31.9	32.4	33.3	32.3	32.9	33.8
K07-1253	32.7	32.0	32.1	33.6	34.1	32.9	32.8	31.2	32.7
K07-1273	33.6	32.6	32.0	34.7	34.5	33.8	33.8	33.3	33.9
K07-1544	33.3	33.7	31.0	33.5	33.1	35.3	33.3	32.4	34.4
K07-1713	34.5	34.1	32.7	35.8	35.6	34.7	34.1	32.8	36.0
K07-2015	33.8	33.3	32.2	34.3	34.6	34.6	34.5	32.6	34.6
SS02-15464	31.3	30.9	29.3	30.4	33.0	32.7	30.5	30.2	33.6
SS02-15887	32.2	31.7	31.7	31.9	33.6	31.0	33.4	30.5	34.1
SS02-15897	32.8	31.8	30.7	33.7	34.7	32.2	32.3	32.5	34.6
SS02-15924	32.1	31.6	29.0	31.6	33.5	30.6	32.5	33.9	33.8
SS03-3483	37.5	37.4	35.6	38.2	37.4	38.5	38.0	36.3	38.9
U06-100052	34.9	35.2	32.9	35.1	35.0	35.1	35.1	34.9	35.6
U06-101049	34.1	33.5	31.9	34.9	34.6	33.8	34.7	33.2	36.1
U06-102875	33.4	32.5	31.8	33.6	33.9	34.6	34.4	32.0	34.3
U06-206737	34.3	34.0	30.9	34.1	35.5	35.0	35.0	34.6	35.5
U06-300952	34.5	33.7	34.2	34.1	34.8	34.5	34.0	33.9	36.5
U06-300984	33.8	33.1	32.1	33.4	33.9	33.7	35.5	33.3	35.6
U06-627125	33.4	33.5	31.2	33.4	34.4	33.9	34.6	30.8	35.3

* Protein and Oil values converted to 13% moisture basis.

PRELIMINARY TEST IIIA, 2009

OIL (%)

Strain	Mean 8 Tests	Carlisle IA	Urbana IL	Lafayette IN	Ashland KS	Columbia MO	North Bend NE	Hoytville OH	South Charleston OH
IA3023 (III)	18.3	18.5	18.8	18.2	18.2	17.8	18.0	19.1	17.8
IA3024	18.9	19.4	19.5	19.0	18.7	18.9	18.5	19.8	17.7
U98-311442 (SCN)	17.9	18.5	17.7	17.2	18.6	17.6	18.4	18.5	16.9
IA4004	18.0	18.0	18.1	17.5	17.5	18.8	18.0	18.3	17.8
A08-152030	18.1	18.5	18.6	17.8	17.5	18.6	18.6	18.0	17.4
A08-248015	18.0	18.3	18.6	17.4	17.6	18.6	18.1	18.1	17.5
A08-248030	17.8	18.0	17.7	17.9	17.4	17.5	18.2	18.1	17.3
A08-248031	17.5	17.3	17.8	16.6	17.9	17.7	17.7	18.1	16.6
A08-248037	18.0	17.9	17.8	17.3	18.4	18.5	17.9	18.5	17.3
A08-249008	18.2	18.0	18.4	17.8	18.2	19.1	18.2	18.3	17.3
A08-249009	17.7	17.6	17.9	17.9	17.6	17.9	17.7	18.2	16.8
A08-249012	18.4	18.8	18.9	17.6	17.6	19.1	18.7	19.1	17.8
A08-350016	18.3	18.6	18.8	17.5	18.0	18.9	18.5	18.7	17.6
A08-350018	18.1	18.2	17.9	18.1	17.7	18.1	17.9	18.4	18.2
A08-350020	17.5	17.4	18.2	17.2	16.9	18.0	17.9	18.0	16.3
A08-350036	17.8	17.6	18.3	17.2	17.4	18.0	18.2	17.9	17.4
A08-350042	17.8	18.1	18.2	17.7	17.8	17.8	18.0	18.3	16.7
A08-350049	18.3	18.1	18.4	17.8	18.6	18.2	18.8	19.0	17.5
LS06-1473	17.5	17.9	17.9	16.9	17.7	17.2	17.7	18.3	16.7
LS06-3968	18.2	17.9	18.2	18.0	17.8	18.3	18.6	18.9	17.6
K07-1031	18.3	18.5	18.4	18.4	17.6	18.5	18.1	18.8	18.2
K07-1037	18.5	18.6	18.5	19.0	17.9	18.0	18.9	19.1	18.1
K07-1166	18.3	18.5	18.4	18.0	18.3	18.1	18.4	18.9	18.0
K07-1253	18.1	17.6	18.2	17.8	18.3	18.0	17.7	19.3	17.6
K07-1273	17.9	18.1	18.0	17.3	17.8	18.4	18.1	18.3	17.4
K07-1544	18.5	18.8	18.9	18.0	18.3	18.2	19.1	18.7	17.9
K07-1713	17.5	17.8	17.2	17.8	17.1	17.8	17.3	18.2	16.5
K07-2015	18.1	17.9	18.3	18.4	17.6	18.2	17.6	18.8	17.9
SS02-15464	18.9	19.4	18.5	18.7	18.2	19.5	19.1	19.5	18.2
SS02-15887	19.2	19.1	19.3	19.0	18.6	19.5	19.4	20.0	18.5
SS02-15897	18.4	18.7	18.0	18.2	18.1	18.7	18.5	19.3	17.6
SS02-15924	18.8	19.3	19.1	18.2	17.7	19.7	19.1	19.1	18.2
SS03-3483	15.7	16.2	15.2	14.6	15.7	15.8	15.4	16.1	16.2
U06-100052	17.5	18.3	16.6	16.9	18.2	17.9	16.8	18.6	16.5
U06-101049	17.7	17.4	17.4	17.9	17.1	18.1	17.8	18.6	17.1
U06-102875	19.0	19.7	18.8	18.8	18.7	18.5	18.9	19.8	18.6
U06-206737	18.4	18.3	18.7	17.9	17.7	18.7	18.1	19.5	18.1
U06-300952	17.9	18.4	18.0	17.1	17.7	18.1	17.8	18.3	17.7
U06-300984	18.1	18.3	17.9	17.3	18.0	19.0	18.2	18.8	17.0
U06-627125	18.6	18.8	18.8	18.4	18.3	19.0	18.4	19.7	17.6

Preliminary Test IIIB, 2009

Ent.	Strain	Parentage	Seed Source	Gen. Comp.	Unique Traits
1.	IA3023 (III)	Dairyland DSR-365 x Pioneer P9381	Fehr	F5	
2.	IA3024	A97-553017 x Pioneer YB33A99	Fehr		1% linolenic
3.	U98-311442 (SCN)	A94-773014 x Bell	Graef	F5	SCN
4.	IA4004	Dairyland 99433 x A01-409003	Fehr	F4	
5.	AR08-286058	Garst-Agripro 98633-B01-44373 x AR03-361067	Cianzio	F3	BSR
6.	AR08-286070	Syngenta SJ833009 x AR02-101001	Cianzio	F3	BSR
7.	AR08-386019	LS96-0582 x Soygenetics N27205C	Cianzio	F3	SDS
8.	AR08-386028	Garst-Agripro 98620-B01-51163 x AR02-101001	Cianzio	F3	BSR
9.	CL04-3711	S32-Z3 x 0J177-1-9	LeRoy	F4	Rps3a, 1k
10.	CL05-2816	CL0J095-4-18 x (S32-Z3 x 0J177-1-9)	LeRoy	F4	Rps3a, SCN
11.	CL05-3039	CL0J173-6-8 x HS1-3661	LeRoy	F4	Rps3a
12.	CL05-3314	98820-33 x 0J177-1-9	LeRoy	F4	Rps3a, 1k
13.	CL05-4611	CL0J173-6-8 x LD00-3309	LeRoy	F4	Rps3a, SCN
14.	CL05-4615	CL0J173-6-8 x LD00-3309	LeRoy	F4	Rps3a, SCN
15.	CL05-4619	CL0J173-6-8 x LD00-3309	LeRoy	F4	Rps3a, SCN
16.	CL05-4632	CL0J173-6-8 x LD00-3309	LeRoy	F4	Rps3a, SCN
17.	CL05-46116	CL0J173-6-8 x LD00-3309	LeRoy	F4	Rps3a, SCN
18.	CL05-46231	CL0J173-6-8 x LD00-3309	LeRoy	F4	Rps3a, SCN
19.	CL05-106219	0J177-1-9 x (98820-33 x 0J095-4)	LeRoy	F4	Rps3a, 1k
20.	CL05-202522	CL0J173-6-8 x (0D032-3118 x LG00-6293)	LeRoy	F4	Rps3a
21.	HS6-3787	Kottman x HS0-3248	St. Martin	F5	Rps1k+Rps3
22.	HS7W-82	HS1-3641 x HS1-7116	St. Martin	F5	
23.	HS7W-136	Kottman x Dilworth	St. Martin	F5	Rps1k+Rps3
24.	HS7W-137	Kottman x Dilworth	St. Martin	F5	Rps1k+Rps3
25.	HS7W-190	HS1-3641 x HS1-3907	St. Martin	F5	
26.	HS7W-191	HS1-3641 x HS1-3907	St. Martin	F5	
27.	HS7W-194	HS1-3641 x HS1-3907	St. Martin	F5	
28.	LD06-2330	U97-201128 x U98-307162	Diers	F5	
29.	LD06-6030	IA3023 x LD00- 3309	Diers	F5	
30.	LD06-7579	IA3023 x LD00- 3309	Diers	F5	
31.	LG06-2340	LG97-9301 x S25-J5	Nelson	F6	Diversity
32.	LG06-2354	LG97-9301 x S25-J5	Nelson	F6	Diversity
33.	LG06-2697	LG99-5106 x LG97-9226	Nelson	F6	Diversity
34.	LG06-2855	S32-Z3 x LG98-1605	Nelson	F6	Diversity
35.	LG06-2866	S32-Z3 x LG98-1605	Nelson	F6	Diversity
36.	LG06-6094	LG00-6313 x LD00-3309	Nelson	F4	Diversity
37.	LG07-6717	IA3023 x LG99-5219	Nelson	F6	Diversity
38.	LG07-6858	LG00-7196 x U98-311442	Nelson	F6	Diversity
39.	LG07-6944	LG98-1454 x LG00-2455	Nelson	F6	Diversity
40.	LG07-8646	LG98-1445 x S42-H1	Nelson	F6	Diversity

PRELIMINARY TEST IIIB, 2009

DESCRIPTIVE AND DISEASE DATA

Strain	Descriptive Code	Chlorosis	Shattering	PR		FE
		Score Humboldt IA	Score Ashland KS	Lafayette Race 4	Lafayette Race 7	Laf. a rx.
IA3023 (III)	WLtTDYBII	3.9	1.0	S	S	S
IA3024	PGTDYIbI	3.5	1.0	R*	R*	S
U98-311442 (SCN)	PGTDYIbI	4.0	1.0	S	S	S
IA4004	PTBDYYI	3.9	1.0	S	S	S
AR08-286058	PTTDYBII	3.3	1.0	S	S	S
AR08-286070	P+WTBDYBrI	3.8	1.0	R*	R*	S
AR08-386019	PGTDYIbI	3.6	1.0	S	S	S
AR08-386028	PTTDYBrI	4.0	1.0	S	S	S
CL04-3711	WTBDYBII	3.4	1.0	H*	H*	S
CL05-2816	WLtTDYLtBI	3.8	1.0	S*	S	S
CL05-3039	WLtBDYBII	4.0	1.0	S*	S	S
CL05-3314	PLtBDYYI	4.3	1.0	R	R	S
CL05-4611	PTTDYBII	4.0	1.0	R	S	S
CL05-4615	PTB+TDYBII	4.1	1.0	R	S	S
CL05-4619	WT+LtTDYBII	4.0	1.0	R	S	S
CL05-4632	P+WTBDYBII	4.3	1.0	R	S	S
CL05-46116	PTBDYBII	4.6	1.0	R	S	S
CL05-46231	PTB+TDYBII	4.0	1.0	R	S	S
CL05-106219	PGTDYIbI	3.5	1.0	R	S*	S
CL05-202522	PLtBDYBII	4.6	1.0	R	S	S
HS6-3787	WLtBDYBII	4.6	1.0	R	R	S
HS7W-82	WLtBDYBII	4.0	1.0	S	R*	S
HS7W-136	WLtBDYBII	3.8	1.0	R	R	S
HS7W-137	PLtBDYBII	3.5	1.0	R	R	S
HS7W-190	PLtBDYBII	4.4	1.0	R*	R*	-
HS7W-191	PLtBDYBII	3.3	1.0	R*	R*	-
HS7W-194	PLtBDYBII	3.8	1.0	R*	R*	-
LD06-2330	WLtTDYBrI	3.5	1.0	S	R*	S
LD06-6030	PTBDYBII	4.6	1.0	S	S	S
LD06-7579	WLtBDYBII	4.6	1.0	S	S	S
LG06-2340	WGBDYIbI	3.9	1.0	S	S	S
LG06-2354	WGBDYIbI	4.0	1.0	S	S	S
LG06-2697	P+WTBDYBII	3.9	1.0	R*	S	S
LG06-2855	WTBDYBII	3.9	1.0	S	S	S
LG06-2866	WTBDYBII	3.8	1.0	S	S	S
LG06-6094	PTBDYBII	3.8	1.0	S	S	S
LG07-6717	WTTDYBII	3.9	1.0	R*	R*	S
LG07-6858	PTBDYBII	4.1	1.0	S	S	S
LG07-6944	PTTDYBII	4.0	1.0	S	S	S
LG07-8646	PTBDYBrI	4.3	1.0	S	S	S

PR: * = *P. sojae* inoc. Reaction NOT compatible with breeder's information about *Rps* Trait
 FE: S = susceptible, - = lesions not detected, x = no data

PRELIMINARY TEST IIIB, 2009

REGIONAL SUMMARY

No. of Tests Strain	Yield 11 bu/a	Rank 11 No.	Maturity 10 Date	Lodging 8 Score	Plant Height 8 In.	Seed Quality 6 Score	Seed Size 10 g/100	Composition	
								Protein 8 %	Oil 8 %
IA3023 (III)	68.1	18	9/24	1.6	31	1.3	17.4	33.2	18.5
IA3024	68.1	18	-3.6	1.4	32	1.6	18.2	32.0	18.7
U98-311442 (SCN)	65.0	34	5.8	1.8	33	1.8	15.8	34.4	17.7
IA4004	70.3	3	0.7	2.0	35	1.6	18.0	34.0	17.8
AR08-286058	67.2	22	-2.1	1.3	37	1.3	18.7	35.3	17.2
AR08-286070	66.1	27	-4.6	1.3	34	1.3	16.7	33.6	18.7
AR08-386019	58.5	40	2.8	2.2	41	2.0	17.2	34.4	17.8
AR08-386028	65.4	31	0.0	1.5	36	1.3	19.3	34.5	18.5
CL04-3711	68.3	14	2.1	1.4	32	1.3	18.2	33.8	17.6
CL05-2816	68.3	14	3.4	1.2	32	1.9	16.6	34.4	17.5
CL05-3039	70.1	4	4.5	1.3	34	1.5	16.9	33.9	18.0
CL05-3314	69.7	9	1.3	1.8	33	1.5	18.1	34.8	18.0
CL05-4611	69.7	9	6.6	1.3	34	1.7	17.8	34.1	17.8
CL05-4615	68.0	21	5.0	1.3	33	1.6	15.6	33.7	17.3
CL05-4619	69.0	12	4.1	1.2	31	1.7	16.4	34.4	18.0
CL05-4632	65.5	30	6.0	1.2	34	1.3	16.6	34.5	17.9
CL05-46116	70.1	5	5.3	1.2	33	1.5	18.5	34.3	17.8
CL05-46231	70.4	2	6.1	1.2	32	1.6	16.8	33.9	17.5
CL05-106219	68.1	18	4.5	1.3	32	1.4	18.2	35.7	17.3
CL05-202522	69.8	7	4.2	1.4	36	1.3	17.6	34.8	17.2
HS6-3787	64.1	39	1.8	1.4	34	1.3	17.8	34.9	17.8
HS7W-82	64.6	38	-1.2	1.4	31	1.3	17.7	33.8	17.5
HS7W-136	64.8	36	0.2	1.9	35	1.4	18.2	34.7	17.6
HS7W-137	64.9	35	0.3	1.6	34	1.3	18.5	34.9	17.7
HS7W-190	66.2	26	2.4	1.7	35	1.3	16.7	35.6	17.1
HS7W-191	65.7	28	-0.1	1.7	34	1.5	16.2	35.5	16.8
HS7W-194	65.4	31	-0.6	1.8	33	1.4	16.1	34.9	16.9
LD06-2330	66.6	23	1.0	1.4	35	1.3	16.5	33.2	17.9
LD06-6030	65.6	29	2.6	2.1	36	1.4	14.9	32.1	18.2
LD06-7579	68.3	14	0.7	1.4	31	1.3	16.4	33.4	18.3
LG06-2340	69.8	7	0.4	1.6	34	1.4	18.5	34.2	18.5
LG06-2354	72.5	1	0.5	1.4	32	1.3	19.2	30.1	16.2
LG06-2697	66.4	25	0.1	2.6	40	1.4	19.7	33.1	18.6
LG06-2855	68.2	17	1.5	1.7	36	1.4	15.1	29.4	15.5
LG06-2866	69.2	11	3.0	2.5	39	1.6	14.6	33.5	18.3
LG06-6094	69.9	6	3.0	1.9	38	1.6	14.2	33.0	17.7
LG07-6717	68.4	13	2.2	1.6	35	1.3	19.0	33.4	18.2
LG07-6858	65.4	31	1.7	1.5	34	1.5	17.0	33.7	18.0
LG07-6944	66.5	24	1.9	1.7	38	1.3	15.9	32.8	18.3
LG07-8646	64.7	37	0.9	1.6	37	1.3	18.4	34.5	16.0

132.4 Days After Planting

PRELIMINARY TEST IIIB, 2009

YIELD (bu/a)

Strain	Mean 11 Tests	Ames IA	Carlisle IA	Urbana IL	Lafayette IN	Ashland KS
IA3023 (III)	68.1	67.4	77.7	59.0	53.3	70.0
IA3024	68.1	62.5	76.1	62.5	52.5	69.0
U98-311442 (SCN)	65.0	66.1	65.4	65.0	51.3	64.5
IA4004	70.3	71.7	80.9	68.3	56.3	72.8
AR08-286058	67.2	65.0	80.2	62.1	49.5	66.5
AR08-286070	66.1	67.8	76.0	58.0	52.1	65.1
AR08-386019	58.5	56.0	69.8	60.8	42.8	57.6
AR08-386028	65.4	63.4	76.5	60.0	46.5	61.4
CL04-3711	68.3	70.9	80.8	65.4	46.7	62.2
CL05-2816	68.3	73.5	70.8	64.6	47.5	70.1
CL05-3039	70.1	67.5	80.6	66.4	54.7	70.6
CL05-3314	69.7	76.7	79.5	71.1	47.8	70.0
CL05-4611	69.7	69.7	82.3	65.2	52.2	73.5
CL05-4615	68.0	70.1	69.7	69.9	50.3	66.8
CL05-4619	69.0	65.7	79.8	67.1	47.8	66.0
CL05-4632	65.5	66.1	63.4	71.5	47.8	62.1
CL05-46116	70.1	66.9	71.3	72.7	47.0	68.1
CL05-46231	70.4	67.6	78.4	67.8	47.9	65.6
CL05-106219	68.1	75.9	67.9	62.3	47.9	66.5
CL05-202522	69.8	67.2	82.6	66.5	47.3	62.9
HS6-3787	64.1	60.0	70.2	60.9	48.9	61.8
HS7W-82	64.6	58.1	76.6	65.1	45.8	67.2
HS7W-136	64.8	61.1	72.9	60.8	46.6	62.8
HS7W-137	64.9	61.0	77.4	64.0	46.4	62.2
HS7W-190	66.2	59.5	75.9	64.1	49.0	64.1
HS7W-191	65.7	63.6	79.9	60.2	46.6	64.6
HS7W-194	65.4	62.8	77.2	58.7	46.5	69.7
LD06-2330	66.6	72.8	68.0	72.9	46.6	64.8
LD06-6030	65.6	64.0	73.7	62.7	46.8	72.4
LD06-7579	68.3	66.5	82.1	66.2	48.7	74.3
LG06-2340	69.8	69.6	81.0	66.1	51.4	68.0
LG06-2354	72.5	75.4	82.7	71.2	53.2	70.7
LG06-2697	66.4	66.9	77.9	70.0	52.8	66.6
LG06-2855	68.2	66.2	69.1	68.9	50.7	63.6
LG06-2866	69.2	61.0	79.4	66.0	50.0	67.2
LG06-6094	69.9	63.7	71.0	68.6	57.8	70.0
LG07-6717	68.4	65.2	72.1	62.1	49.5	64.9
LG07-6858	65.4	69.1	72.6	61.9	48.0	60.3
LG07-6944	66.5	64.2	78.8	64.9	48.1	65.2
LG07-8646	64.7	64.2	72.0	60.5	51.8	63.9
Location Mean		66.3	75.5	65.1	49.4	66.4
C.V. (%)		7.3	5.6	5.7	9.2	3.8
L.S.D. (5%)		9.7	8.6	7.5	9.3	5.1
Row Sp. (In.)		27	27	30	30	30
Rows/Plot		4	4	4	4	4
Reps		2	2	2	2	2

*Data not included in mean.

PRELIMINARY TEST IIIB, 2009

YIELD (bu/a)

Strain	Columbia MO	Dewitt NE	Lincoln NE	North Bend NE	Hoytville OH	South Charleston OH
IA3023 (III)	57.0	68.5	86.3	81.5	57.6	71.2
IA3024	60.8	65.6	87.4	69.5	59.2	83.6
U98-311442 (SCN)	69.4	58.4	74.4	67.0	56.0	77.2
IA4004	64.2	66.3	86.2	69.4	60.8	76.9
AR08-286058	58.9	65.6	86.4	64.8	56.1	83.8
AR08-286070	57.8	63.2	82.8	71.1	59.6	73.3
AR08-386019	73.3	40.9	72.1	64.0	51.0	55.6
AR08-386028	62.3	55.9	79.7	74.1	59.7	79.8
CL04-3711	70.0	65.8	85.7	68.1	62.0	73.4
CL05-2816	55.8	67.8	73.9	74.8	60.2	92.9
CL05-3039	58.7	67.7	79.6	66.5	71.6	87.1
CL05-3314	67.7	64.2	83.6	74.5	65.0	67.1
CL05-4611	67.9	65.7	73.6	68.8	65.7	81.7
CL05-4615	62.2	64.9	71.7	75.2	64.6	82.2
CL05-4619	62.0	67.5	81.3	77.5	61.6	82.1
CL05-4632	58.6	64.9	66.1	71.3	65.2	83.7
CL05-46116	69.9	67.6	74.1	72.4	70.1	90.5
CL05-46231	62.0	69.2	79.0	76.4	64.1	96.1
CL05-106219	65.2	66.0	74.9	69.3	60.2	93.2
CL05-202522	65.4	71.0	81.3	75.7	66.9	81.6
HS6-3787	58.1	62.9	76.2	68.1	60.0	78.2
HS7W-82	62.0	64.9	73.3	71.2	55.5	70.6
HS7W-136	64.0	52.3	80.3	70.8	61.0	79.9
HS7W-137	57.1	53.7	83.4	70.9	59.0	79.2
HS7W-190	63.4	66.1	82.0	65.8	63.4	75.1
HS7W-191	59.7	65.8	79.1	72.1	59.6	71.1
HS7W-194	56.7	63.4	77.3	65.3	59.2	82.2
LD06-2330	61.4	64.6	84.1	72.1	57.5	68.3
LD06-6030	62.6	51.9	76.2	81.4	59.5	70.4
LD06-7579	60.2	55.9	83.1	77.5	55.3	81.4
LG06-2340	66.0	66.2	84.8	76.7	62.8	74.8
LG06-2354	68.4	67.9	82.7	73.5	68.2	83.9
LG06-2697	47.0	61.8	84.4	67.9	55.7	79.6
LG06-2855	73.1	68.5	78.2	73.9	60.2	78.4
LG06-2866	69.5	65.9	82.3	81.2	66.0	73.0
LG06-6094	71.1	69.0	76.5	76.7	63.3	81.7
LG07-6717	67.0	60.2	80.5	73.4	62.3	94.8
LG07-6858	58.9	61.1	70.8	85.0	56.2	75.5
LG07-6944	61.8	61.6	83.8	79.7	63.1	60.1
LG07-8646	55.8	61.0	81.0	64.4	60.2	76.8
Location Mean	62.8	63.3	79.5	72.5	61.1	78.7
C.V. (%)	7.8	6.5	4.3	8.7	4.8	11.5
L.S.D. (5%)	8.3	10.1	8.5	16.1	5.9	17.1
Row Sp. (In.)	30	30	30	30	7.5	15
Rows/Plot	4	4	4	4	8	6
Reps	2	2	2	2	2	2

*Data not included in mean.

PRELIMINARY TEST IIIB, 2009

YIELD RANK

Strain	Yield Rank	Ames IA	Carlisle IA	Urbana IL	Lafayette IN	Ashland KS
IA3023 (III)	18	15	17	38	4	8
IA3024	18	33	22	27	7	12
U98-311442 (SCN)	34	21	39	21	12	28
IA4004	3	6	6	10	2	3
AR08-286058	22	25	9	29	16	19
AR08-286070	27	12	23	40	9	24
AR08-386019	40	40	34	34	40	40
AR08-386028	31	31	21	37	36	38
CL04-3711	14	7	7	18	32	34
CL05-2816	14	4	32	23	28	7
CL05-3039	4	14	8	14	3	6
CL05-3314	9	1	12	5	25	8
CL05-4611	9	9	3	19	8	2
CL05-4615	21	8	35	7	14	17
CL05-4619	12	23	11	12	25	21
CL05-4632	30	21	40	3	25	36
CL05-46116	5	17	30	2	30	13
CL05-46231	2	13	15	11	23	22
CL05-106219	18	2	38	28	23	19
CL05-202522	7	16	2	13	29	32
HS6-3787	39	37	33	32	19	37
HS7W-82	38	39	20	20	39	15
HS7W-136	36	34	27	34	33	33
HS7W-137	35	35	18	25	38	34
HS7W-190	26	38	24	24	18	29
HS7W-191	28	30	10	36	33	27
HS7W-194	31	32	19	39	36	11
LD06-2330	23	5	37	1	33	26
LD06-6030	29	28	25	26	31	4
LD06-7579	14	19	4	15	20	1
LG06-2340	7	10	5	16	11	14
LG06-2354	1	3	1	4	5	5
LG06-2697	25	17	16	6	6	18
LG06-2855	17	20	36	7	13	31
LG06-2866	11	35	13	17	15	15
LG06-6094	6	29	31	9	1	8
LG07-6717	13	24	28	30	17	25
LG07-6858	31	11	26	31	22	39
LG07-6944	24	26	14	22	21	23
LG07-8646	37	26	29	35	10	30

PRELIMINARY TEST IIIB, 2009

YIELD RANK

Strain	Columbia MO	Dewitt NE	Lincoln NE	North Bend NE	Hoytville OH	South Charleston OH
IA3023 (III)	36	4	3	2	27	33
IA3024	26	19	1	27	25	10
U98-311442 (SCN)	7	34	32	34	31	24
IA4004	15	11	4	28	19	25
AR08-286058	29	20	2	38	30	8
AR08-286070	34	27	13	24	23	31
AR08-386019	1	40	37	40	35	40
AR08-386028	19	35	22	15	22	19
CL04-3711	4	16	5	31	16	30
CL05-2816	38	7	34	13	20	4
CL05-3039	31	8	23	35	1	6
CL05-3314	10	25	10	14	8	38
CL05-4611	9	18	35	30	6	14
CL05-4615	20	21	38	12	9	11
CL05-4619	21	10	17	6	17	13
CL05-4632	32	22	40	22	7	9
CL05-46116	5	9	33	19	2	5
CL05-46231	21	2	25	10	10	1
CL05-106219	14	14	31	29	20	3
CL05-202522	13	1	18	11	4	16
HS6-3787	33	28	29	32	21	23
HS7W-82	21	23	36	23	33	35
HS7W-136	16	38	21	26	18	18
HS7W-137	35	37	11	25	26	21
HS7W-190	17	13	16	36	11	28
HS7W-191	28	17	24	20	23	34
HS7W-194	37	26	27	37	25	11
LD06-2330	25	24	8	21	28	37
LD06-6030	18	39	30	3	24	36
LD06-7579	27	36	12	7	34	17
LG06-2340	12	12	6	8	14	29
LG06-2354	8	6	14	17	3	7
LG06-2697	40	29	7	33	32	20
LG06-2855	2	5	26	16	20	22
LG06-2866	6	15	15	4	5	32
LG06-6094	3	3	28	9	12	14
LG07-6717	11	33	20	18	15	2
LG07-6858	29	31	39	1	29	27
LG07-6944	24	30	9	5	13	39
LG07-8646	38	32	19	39	20	26

PRELIMINARY TEST IIIB, 2009

MATURITY (date)

Strain	Mean 10 Tests	Ames IA	Carlisle IA	Urbana IL	Lafayette IN	Ashland KS
IA3023 (III)	9/24	9/26	9/28	9/20	9/29	9/25
IA3024	-3.6	-3	-5	-4	-7	-3
U98-311442 (SCN)	5.8	8	5	9	5	5
IA4004	0.7	2	-1	5	0	2
AR08-286058	-2.1	-3	-5	1	-4	-3
AR08-286070	-4.6	-3	-5	-4	-8	-6
AR08-386019	2.8	7	3	8	-3	2
AR08-386028	0.0	1	-1	2	-3	-1
CL04-3711	2.1	2	-2	7	0	3
CL05-2816	3.4	3	1	10	1	5
CL05-3039	4.5	5	2	11	5	5
CL05-3314	1.3	2	1	5	-1	2
CL05-4611	6.6	9	3	12	5	5
CL05-4615	5.0	5	4	10	1	5
CL05-4619	4.1	6	1	8	1	5
CL05-4632	6.0	9	3	11	2	9
CL05-46116	5.3	6	1	11	1	7
CL05-46231	6.1	7	3	12	4	7
CL05-106219	4.5	3	4	8	3	5
CL05-202522	4.2	6	4	10	2	3
HS6-3787	1.8	1	1	6	1	0
HS7W-82	-1.2	-2	-5	2	-3	-3
HS7W-136	0.2	2	1	3	-2	-2
HS7W-137	0.3	1	-1	4	-3	-3
HS7W-190	2.4	2	3	6	0	2
HS7W-191	-0.1	2	0	2	-4	-1
HS7W-194	-0.6	1	-2	1	-5	-1
LD06-2330	1.0	2	-1	6	-4	1
LD06-6030	2.6	3	2	10	-1	3
LD06-7579	0.7	1	0	3	-1	3
LG06-2340	0.4	2	1	3	-1	1
LG06-2354	0.5	0	-2	3	0	-2
LG06-2697	0.1	2	-1	7	-12	5
LG06-2855	1.5	1	0	6	-3	3
LG06-2866	3.0	4	2	9	-2	5
LG06-6094	3.0	3	1	11	1	2
LG07-6717	2.2	2	1	4	1	5
LG07-6858	1.7	1	-3	7	-1	5
LG07-6944	1.9	3	1	3	-1	2
LG07-8646	0.9	-1	-1	5	-2	3
Date Planted	5/15	5/8	5/7	5/23	5/26	5/28
Days to Mature	132	141	144	120	126	120

PRELIMINARY TEST IIIB, 2009

MATURITY (date)

Strain	Columbia MO	Dewitt NE	Lincoln NE	North Bend NE	Hoytville OH	South Charleston OH
IA3023 (III)	9/19		9/29	9/30	9/18	9/23
IA3024	-2		-3	-3	-3	-3
U98-311442 (SCN)	4		4	1	8	9
IA4004	2		0	-3	0	0
AR08-286058	-1		-2	-5	4	-4
AR08-286070	-2		-7	-7	-3	-2
AR08-386019	3		5	-1	1	3
AR08-386028	2		2	-3	1	1
CL04-3711	4		1	-2	4	4
CL05-2816	4		2	-2	8	2
CL05-3039	5		2	-1	9	3
CL05-3314	3		1	-2	2	1
CL05-4611	6		4	1	9	12
CL05-4615	5		3	1	7	10
CL05-4619	4		3	-1	5	9
CL05-4632	6		3	-1	9	9
CL05-46116	5		3	0	9	10
CL05-46231	6		4	-1	9	11
CL05-106219	4		3	-1	8	9
CL05-202522	5		1	1	4	7
HS6-3787	3		1	-2	3	4
HS7W-82	2		0	-4	0	0
HS7W-136	0		-1	-2	3	1
HS7W-137	1		0	-2	4	2
HS7W-190	3		1	-2	6	3
HS7W-191	2		0	-3	1	1
HS7W-194	1		1	-3	0	1
LD06-2330	3		0	-2	3	2
LD06-6030	2		1	-1	4	4
LD06-7579	1		-1	-1	1	1
LG06-2340	1		0	-2	3	-3
LG06-2354	3		0	-3	3	2
LG06-2697	0		2	-3	0	2
LG06-2855	3		1	-3	3	4
LG06-2866	4		1	-2	4	5
LG06-6094	4		2	-2	4	5
LG07-6717	3		1	-1	3	4
LG07-6858	5		1	-2	2	2
LG07-6944	3		3	0	4	1
LG07-8646	5		1	-4	0	3
Date Planted	5/21	5/11	5/21	5/14	5/12	4/27
Days to Mature	121		131	139	129	149

PRELIMINARY TEST IIIB, 2009

LODGING (score)

Strain	Mean 8 Tests	Ames IA	Carlisle IA	Urbana IL	Lafayette IN	Ashland KS
IA3023 (III)	1.6	1.5	2.0	1.0	1.0	2.0
IA3024	1.4	1.5	2.3	1.0	1.0	2.0
U98-311442 (SCN)	1.8	1.8	2.8	1.8	1.0	2.0
IA4004	2.0	2.0	2.5	2.0	1.0	2.5
AR08-286058	1.3	1.3	2.0	1.5	1.0	1.0
AR08-286070	1.3	1.5	2.0	1.0	1.0	1.0
AR08-386019	2.2	3.0	2.8	2.3	1.0	3.0
AR08-386028	1.5	2.0	2.0	1.3	1.0	1.0
CL04-3711	1.4	1.5	2.0	1.0	1.0	1.5
CL05-2816	1.2	1.5	2.0	1.0	1.0	1.0
CL05-3039	1.3	1.5	2.0	1.0	1.0	1.0
CL05-3314	1.8	1.8	2.0	1.5	1.0	2.0
CL05-4611	1.3	1.5	1.8	1.0	1.0	1.0
CL05-4615	1.3	1.3	2.0	1.0	1.0	1.0
CL05-4619	1.2	1.5	2.0	1.0	1.0	1.0
CL05-4632	1.2	1.3	2.0	1.0	1.0	1.0
CL05-46116	1.2	1.3	1.8	1.0	1.0	1.0
CL05-46231	1.2	1.3	1.8	1.0	1.0	1.0
CL05-106219	1.3	1.3	2.0	1.0	1.0	1.0
CL05-202522	1.4	1.5	2.0	1.3	1.0	1.0
HS6-3787	1.4	1.5	2.0	1.3	1.0	1.0
HS7W-82	1.4	1.8	2.0	1.3	1.0	1.0
HS7W-136	1.9	2.0	2.8	1.8	1.0	2.0
HS7W-137	1.6	1.8	2.8	1.5	1.0	1.5
HS7W-190	1.7	1.5	2.8	1.8	1.0	1.5
HS7W-191	1.7	1.5	2.5	1.5	1.0	1.5
HS7W-194	1.8	1.8	2.8	1.5	1.0	1.5
LD06-2330	1.4	1.5	2.3	1.3	1.0	1.0
LD06-6030	2.1	1.8	2.5	1.8	1.0	1.5
LD06-7579	1.4	1.5	2.0	1.0	1.0	2.0
LG06-2340	1.6	1.5	2.0	1.5	1.0	1.5
LG06-2354	1.4	1.3	2.0	1.3	1.0	1.5
LG06-2697	2.6	2.0	3.0	2.8	1.5	3.0
LG06-2855	1.7	1.8	2.5	1.5	1.0	2.0
LG06-2866	2.5	2.0	3.0	3.3	1.0	3.0
LG06-6094	1.9	2.0	2.5	1.8	1.0	2.0
LG07-6717	1.6	1.8	2.5	1.3	1.0	2.0
LG07-6858	1.5	1.3	2.3	1.3	1.0	1.5
LG07-6944	1.7	1.8	2.3	1.5	1.0	1.5
LG07-8646	1.6	1.5	2.3	1.5	1.0	1.5

PRELIMINARY TEST IIIB, 2009

LODGING (score)

Strain	Columbia MO	Dewitt NE	Lincoln NE	North Bend NE	Hoytville OH	South Charleston OH
IA3023 (III)	2.0				1.0	2.6
IA3024	1.0				1.0	1.6
U98-311442 (SCN)	1.5				1.0	2.3
IA4004	2.5				1.0	2.3
AR08-286058	1.0				1.0	1.7
AR08-286070	1.0				1.0	1.8
AR08-386019	2.0				1.0	2.8
AR08-386028	2.0				1.0	1.5
CL04-3711	2.0				1.0	1.4
CL05-2816	1.0				1.0	1.3
CL05-3039	1.5				1.0	1.4
CL05-3314	2.5				1.0	2.3
CL05-4611	2.0				1.0	1.4
CL05-4615	2.0				1.0	1.3
CL05-4619	1.1				1.0	1.2
CL05-4632	1.0				1.0	1.6
CL05-46116	1.5				1.0	1.3
CL05-46231	1.5				1.0	1.3
CL05-106219	1.5				1.0	1.4
CL05-202522	2.0				1.0	1.5
HS6-3787	2.0				1.0	1.6
HS7W-82	2.0				1.0	1.3
HS7W-136	3.1				1.0	1.5
HS7W-137	1.5				1.0	1.8
HS7W-190	2.0				1.0	1.6
HS7W-191	2.5				1.0	2.0
HS7W-194	2.0				1.0	2.8
LD06-2330	1.0				1.0	2.2
LD06-6030	4.0				1.0	2.9
LD06-7579	1.0				1.0	1.4
LG06-2340	2.5				1.0	1.7
LG06-2354	2.0				1.0	1.4
LG06-2697	4.0				1.0	3.8
LG06-2855	2.0				1.0	1.8
LG06-2866	3.5				1.0	3.3
LG06-6094	3.0				1.0	2.1
LG07-6717	2.0				1.0	1.6
LG07-6858	2.0				1.0	1.4
LG07-6944	2.5				1.0	2.2
LG07-8646	2.0				1.0	1.9

PRELIMINARY TEST IIIB, 2009

PLANT HEIGHT (inches)

Strain	Mean 8 Tests	Ames IA	Carlisle IA	Urbana IL	Lafayette IN	Ashland KS
IA3023 (III)	31	34	32	27	27	40
IA3024	32	35	32	32	30	45
U98-311442 (SCN)	33	38	35	32	29	38
IA4004	35	40	36	34	32	41
AR08-286058	37	42	37	39	35	46
AR08-286070	34	39	35	30	31	39
AR08-386019	41	46	43	40	36	46
AR08-386028	36	42	36	34	33	44
CL04-3711	32	35	36	32	30	36
CL05-2816	32	37	33	30	26	40
CL05-3039	34	37	37	31	33	38
CL05-3314	33	37	34	34	31	40
CL05-4611	34	38	37	32	30	38
CL05-4615	33	35	34	31	30	39
CL05-4619	31	35	35	30	28	34
CL05-4632	34	38	38	32	28	42
CL05-46116	33	35	37	33	28	41
CL05-46231	32	35	34	30	29	36
CL05-106219	32	36	32	29	28	37
CL05-202522	36	43	39	32	32	43
HS6-3787	34	40	32	33	31	40
HS7W-82	31	33	32	31	28	35
HS7W-136	35	40	34	32	33	39
HS7W-137	34	39	37	33	31	38
HS7W-190	35	37	36	33	30	39
HS7W-191	34	41	33	30	31	38
HS7W-194	33	38	33	30	29	35
LD06-2330	35	38	34	35	31	40
LD06-6030	36	39	35	34	31	42
LD06-7579	31	35	30	28	27	38
LG06-2340	34	41	36	31	31	38
LG06-2354	32	34	32	32	30	37
LG06-2697	40	42	42	43	37	48
LG06-2855	36	40	38	35	33	43
LG06-2866	39	43	41	42	35	47
LG06-6094	38	44	38	38	35	46
LG07-6717	35	40	34	32	31	41
LG07-6858	34	37	35	34	31	41
LG07-6944	38	43	38	35	35	43
LG07-8646	37	39	37	34	34	44

PRELIMINARY TEST IIIB, 2009

PLANT HEIGHT (inches)

Strain	Columbia MO	Dewitt NE	Lincoln NE	North Bend NE	Hoytville OH	South Charleston OH
IA3023 (III)	29				27	35
IA3024	25				30	31
U98-311442 (SCN)	29				31	34
IA4004	29				30	36
AR08-286058	31				34	36
AR08-286070	27				32	37
AR08-386019	37				35	42
AR08-386028	32				34	38
CL04-3711	27				28	32
CL05-2816	27				29	35
CL05-3039	30				32	36
CL05-3314	29				29	34
CL05-4611	30				29	36
CL05-4615	29				30	35
CL05-4619	26				27	34
CL05-4632	30				30	35
CL05-46116	28				30	35
CL05-46231	28				31	37
CL05-106219	26				32	34
CL05-202522	30				31	36
HS6-3787	27				34	35
HS7W-82	26				30	32
HS7W-136	31				33	39
HS7W-137	29				31	35
HS7W-190	32				34	38
HS7W-191	31				32	36
HS7W-194	29				33	37
LD06-2330	30				32	36
LD06-6030	33				33	41
LD06-7579	30				28	33
LG06-2340	29				30	33
LG06-2354	28				28	32
LG06-2697	32				35	40
LG06-2855	32				32	36
LG06-2866	33				33	38
LG06-6094	34				34	38
LG07-6717	30				35	35
LG07-6858	29				33	34
LG07-6944	33				36	39
LG07-8646	33				35	37

PRELIMINARY TEST IIIB, 2009

SEED QUALITY (score)

Strain	Mean 6 Tests	Ames IA	Carlisle IA	Urbana IL	Lafayette IN	Ashland KS
IA3023 (III)	1.3			1.0	1.0	2.0
IA3024	1.6			1.0	1.0	3.0
U98-311442 (SCN)	1.8			2.0	1.0	3.0
IA4004	1.6			1.0	1.0	3.0
AR08-286058	1.3			1.0	1.0	2.0
AR08-286070	1.3			1.0	1.0	2.0
AR08-386019	2.0			2.0	1.0	3.0
AR08-386028	1.3			1.0	1.0	2.0
CL04-3711	1.3			1.0	1.0	2.0
CL05-2816	1.9			1.0	1.0	3.0
CL05-3039	1.5			1.0	1.0	3.0
CL05-3314	1.5			1.0	1.0	3.0
CL05-4611	1.7			1.0	1.0	3.0
CL05-4615	1.6			1.0	1.0	2.0
CL05-4619	1.7			2.0	1.0	2.0
CL05-4632	1.3			1.0	1.0	2.0
CL05-46116	1.5			1.0	1.0	2.0
CL05-46231	1.6			1.0	1.0	2.0
CL05-106219	1.4			1.0	1.0	2.0
CL05-202522	1.3			1.0	1.0	2.0
HS6-3787	1.3			1.0	1.0	2.0
HS7W-82	1.3			1.0	1.0	2.0
HS7W-136	1.4			1.0	1.0	2.0
HS7W-137	1.3			1.0	1.0	2.0
HS7W-190	1.3			1.0	1.0	2.0
HS7W-191	1.5			1.0	1.0	2.0
HS7W-194	1.4			1.0	1.0	2.0
LD06-2330	1.3			1.0	1.0	2.0
LD06-6030	1.4			1.0	1.0	2.0
LD06-7579	1.3			1.0	1.0	2.0
LG06-2340	1.4			1.0	1.0	2.0
LG06-2354	1.3			1.0	1.0	2.0
LG06-2697	1.4			1.0	1.0	2.0
LG06-2855	1.4			1.0	1.0	2.0
LG06-2866	1.6			2.0	1.0	2.0
LG06-6094	1.6			2.0	1.0	3.0
LG07-6717	1.3			1.0	1.0	2.0
LG07-6858	1.5			1.0	1.0	3.0
LG07-6944	1.3			1.0	1.0	2.0
LG07-8646	1.3			1.0	1.0	2.0

PRELIMINARY TEST IIIB, 2009

SEED QUALITY (score)

Strain	Columbia MO	Dewitt NE	Lincoln NE	North Bend NE	Hoytville OH	South Charleston OH
IA3023 (III)	1.0				1.0	1.5
IA3024	1.0				1.0	2.8
U98-311442 (SCN)	1.0				1.0	2.9
IA4004	1.0				1.0	2.4
AR08-286058	1.0				1.0	1.8
AR08-286070	1.0				1.0	1.9
AR08-386019	2.0				1.0	3.1
AR08-386028	1.0				1.0	1.8
CL04-3711	1.0				1.0	2.1
CL05-2816	1.0				2.0	3.3
CL05-3039	1.0				1.0	2.0
CL05-3314	1.0				1.0	2.1
CL05-4611	1.0				1.0	3.3
CL05-4615	2.0				1.0	2.5
CL05-4619	2.0				1.0	2.3
CL05-4632	1.0				1.0	2.0
CL05-46116	1.0				1.0	2.9
CL05-46231	1.0				2.0	2.3
CL05-106219	1.0				1.0	2.3
CL05-202522	1.0				1.0	1.9
HS6-3787	1.0				1.0	2.1
HS7W-82	1.0				1.0	1.6
HS7W-136	1.0				1.0	2.3
HS7W-137	1.0				1.0	2.1
HS7W-190	1.0				1.0	2.1
HS7W-191	1.0				1.0	2.7
HS7W-194	1.0				1.0	2.4
LD06-2330	1.0				1.0	2.0
LD06-6030	1.0				1.0	2.3
LD06-7579	1.0				1.0	1.5
LG06-2340	1.0				1.0	2.1
LG06-2354	1.0				1.0	2.1
LG06-2697	1.0				1.0	2.6
LG06-2855	1.0				1.0	2.3
LG06-2866	1.0				1.0	2.8
LG06-6094	1.0				1.0	1.7
LG07-6717	1.0				1.0	2.0
LG07-6858	1.0				1.0	2.0
LG07-6944	1.0				1.0	2.0
LG07-8646	1.0				1.0	1.9

PRELIMINARY TEST IIIB, 2009

SEED SIZE (g/100)

Strain	Mean 10 Tests	Ames IA	Carlisle IA	Urbana IL	Lafayette IN	Ashland KS
IA3023 (III)	17.4	17.3	18.4	17.6	18.6	17.0
IA3024	18.2	17.6	19.1	17.3	17.9	20.0
U98-311442 (SCN)	15.8	16.5	16.2	16.5	16.2	16.0
IA4004	18.0	17.9	18.8	18.1	18.5	19.0
AR08-286058	18.7	18.4	20.0	18.7	19.9	19.0
AR08-286070	16.7	16.6	18.0	15.1	16.7	17.0
AR08-386019	17.2	17.4	17.7	17.0	16.5	18.0
AR08-386028	19.3	19.3	19.4	18.7	19.6	20.0
CL04-3711	18.2	18.3	19.7	18.3	17.8	18.0
CL05-2816	16.6	16.8	17.5	16.7	17.3	18.0
CL05-3039	16.9	17.4	17.8	15.9	17.8	17.0
CL05-3314	18.1	18.1	19.2	19.1	18.4	20.0
CL05-4611	17.8	18.0	19.1	17.6	18.3	18.0
CL05-4615	15.6	16.8	15.7	16.4	17.0	16.0
CL05-4619	16.4	16.7	17.4	16.8	17.2	17.0
CL05-4632	16.6	17.8	16.8	17.0	18.6	16.0
CL05-46116	18.5	19.6	18.5	20.3	20.0	19.0
CL05-46231	16.8	16.4	22.7	17.0	17.2	17.0
CL05-106219	18.2	18.0	18.6	17.8	19.3	19.0
CL05-202522	17.6	17.9	19.0	17.7	18.7	18.0
HS6-3787	17.8	17.7	18.4	18.9	18.5	17.0
HS7W-82	17.7	18.5	19.3	17.3	17.9	17.0
HS7W-136	18.2	18.0	20.3	17.3	19.1	19.0
HS7W-137	18.5	18.6	21.1	18.7	18.5	18.0
HS7W-190	16.7	15.7	18.7	16.8	16.9	17.0
HS7W-191	16.2	15.9	17.0	15.6	16.5	19.0
HS7W-194	16.1	15.6	17.1	15.4	17.3	18.0
LD06-2330	16.5	17.0	18.0	17.4	16.1	17.0
LD06-6030	14.9	15.6	16.4	14.8	16.2	15.0
LD06-7579	16.4	16.8	17.9	16.7	17.4	17.0
LG06-2340	18.5	18.4	19.4	19.0	17.3	21.0
LG06-2354	19.2	19.2	20.6	19.9	18.6	20.0
LG06-2697	19.7	19.7	21.4	19.8	19.7	20.0
LG06-2855	15.1	15.2	16.2	15.7	14.9	17.0
LG06-2866	14.6	14.8	16.9	14.3	14.2	15.0
LG06-6094	14.2	15.3	14.6	14.4	14.7	14.0
LG07-6717	19.0	18.7	19.8	18.2	19.4	19.0
LG07-6858	17.0	17.6	16.5	18.2	18.3	18.0
LG07-6944	15.9	15.7	17.4	15.0	16.1	18.0
LG07-8646	18.4	18.4	19.3	18.0	19.1	18.0

PRELIMINARY TEST IIIB, 2009

SEED SIZE (g/100)

Strain	Columbia MO	Dewitt NE	Lincoln NE	North Bend NE	Hoytville OH	South Charleston OH
IA3023 (III)	15.4		15.5	18.9	16.7	18.8
IA3024	15.7		16.8	20.3	17.7	20.0
U98-311442 (SCN)	14.9		13.5	15.2	15.4	17.1
IA4004	17.6		15.7	17.5	16.9	19.8
AR08-286058	16.2		16.7	19.6	17.2	21.8
AR08-286070	15.2		15.6	17.6	16.0	19.5
AR08-386019	16.1		16.7	17.9	16.1	18.2
AR08-386028	18.9		17.1	20.9	18.1	21.2
CL04-3711	17.4		16.5	17.3	18.8	20.3
CL05-2816	14.9		13.8	16.2	15.9	18.6
CL05-3039	13.9		15.1	16.5	18.6	19.1
CL05-3314	15.7		14.5	17.9	17.3	20.3
CL05-4611	15.6		14.7	17.0	18.5	21.6
CL05-4615	14.0		12.7	15.1	14.2	18.4
CL05-4619	14.2		14.3	15.8	15.4	18.8
CL05-4632	14.0		14.0	16.4	15.7	19.3
CL05-46116	15.3		15.3	17.7	17.4	22.1
CL05-46231	13.7		14.3	15.6	15.1	18.9
CL05-106219	15.4		15.5	18.7	18.9	20.6
CL05-202522	15.5		15.4	16.9	16.6	20.4
HS6-3787	15.4		15.2	17.9	16.8	21.9
HS7W-82	15.4		15.4	19.0	16.5	20.7
HS7W-136	16.5		15.9	17.9	16.5	21.6
HS7W-137	16.4		17.0	18.1	16.6	22.0
HS7W-190	16.1		15.6	15.5	15.9	19.2
HS7W-191	14.5		14.4	15.9	14.6	18.1
HS7W-194	13.9		13.5	15.7	15.3	19.3
LD06-2330	14.8		14.9	17.5	14.8	18.0
LD06-6030	12.9		14.1	14.9	13.7	15.6
LD06-7579	15.9		13.9	16.1	14.1	17.8
LG06-2340	15.6		17.0	18.7	18.1	20.7
LG06-2354	18.3		16.9	18.8	17.7	22.1
LG06-2697	18.0		18.8	20.9	18.2	21.1
LG06-2855	13.5		13.3	14.7	14.2	16.7
LG06-2866	13.7		13.6	14.8	13.2	15.6
LG06-6094	12.8		12.8	14.3	13.1	16.5
LG07-6717	17.6		17.6	19.5	18.3	21.6
LG07-6858	14.4		14.2	17.1	16.0	20.0
LG07-6944	14.4		14.8	16.2	15.3	16.3
LG07-8646	17.7		17.2	17.4	17.0	21.6

PRELIMINARY TEST IIIB, 2009

PROTEIN (%)

Strain	Mean 8 Tests	Carlisle IA	Urbana IL	Lafayette IN	Ashland KS	Columbia MO	North Bend NE	Hoytville OH	South Charleston OH
IA3023 (III)	33.2	33.0	31.7	33.0	34.1	33.3	33.3	33.0	34.2
IA3024	32.0	33.0	27.6	31.7	33.1	31.3	33.4	31.8	33.8
U98-311442 (SCN)	34.4	34.3	31.7	35.0	35.0	35.4	34.1	34.1	35.9
IA4004	34.0	34.7	30.9	34.1	34.7	34.1	33.9	33.6	36.3
AR08-286058	35.3	35.2	33.7	34.7	36.4	35.7	34.9	35.8	36.1
AR08-286070	33.6	33.9	31.6	33.2	33.7	33.8	33.1	34.3	35.6
AR08-386019	34.4	33.5	32.4	34.4	35.5	34.5	35.2	33.9	35.7
AR08-386028	34.5	33.6	32.3	34.6	34.5	35.5	35.2	34.3	35.7
CL04-3711	33.8	34.0	31.5	33.8	34.8	34.9	33.8	32.8	35.1
CL05-2816	34.4	33.9	32.4	34.9	36.1	35.3	33.9	32.4	36.6
CL05-3039	33.9	34.2	31.6	34.1	35.0	33.9	34.1	32.9	35.5
CL05-3314	34.8	34.0	33.6	34.4	35.2	35.7	35.4	33.3	37.2
CL05-4611	34.1	33.3	32.3	34.3	34.5	34.5	34.7	33.5	35.3
CL05-4615	33.7	33.5	32.1	34.0	34.0	34.3	33.1	32.7	35.4
CL05-4619	34.4	34.5	32.3	33.7	35.1	35.8	33.0	34.9	35.7
CL05-4632	34.5	34.2	33.2	35.4	35.4	34.0	33.4	33.9	36.2
CL05-46116	34.3	33.6	33.8	34.1	34.8	34.2	34.2	33.4	36.5
CL05-46231	33.9	32.9	32.1	33.4	34.0	34.2	34.3	34.8	35.5
CL05-106219	35.7	35.8	32.8	34.8	36.2	36.8	35.5	36.0	37.7
CL05-202522	34.8	33.8	33.0	34.4	35.6	36.2	34.6	34.1	36.5
HS6-3787	34.9	33.9	33.2	34.4	35.0	35.8	35.5	33.8	37.3
HS7W-82	33.8	33.1	31.8	33.3	34.2	35.1	34.4	33.4	35.3
HS7W-136	34.7	34.5	33.3	34.7	35.6	35.4	35.3	33.0	35.7
HS7W-137	34.9	35.1	33.2	34.2	35.9	35.6	34.5	33.7	36.8
HS7W-190	35.6	35.8	33.6	35.6	35.8	36.0	35.3	35.3	37.5
HS7W-191	35.5	35.5	33.9	35.0	36.4	36.3	35.1	34.3	37.3
HS7W-194	34.9	34.3	33.4	33.6	36.4	36.8	34.4	34.0	36.5
LD06-2330	33.2	32.7	31.8	32.0	34.0	34.3	33.1	32.5	35.5
LD06-6030	32.1	32.2	30.0	31.0	32.1	33.1	32.8	31.7	33.8
LD06-7579	33.4	32.7	30.7	33.3	34.4	35.2	32.7	32.9	35.0
LG06-2340	34.2	34.8	31.7	33.2	34.6	35.9	34.8	33.5	35.5
LG06-2354	30.1	34.1	33.1	34.0	34.7	35.0	0.0	34.8	35.3
LG06-2697	33.1	33.0	30.6	31.7	33.3	34.1	35.1	32.8	34.2
LG06-2855	29.4	33.5	31.4	32.2	34.3	34.8	0.0	33.5	35.4
LG06-2866	33.5	35.6	30.4	32.2	34.0	34.8	33.4	31.9	35.7
LG06-6094	33.0	32.9	30.3	32.9	33.3	33.8	32.8	32.6	35.2
LG07-6717	33.4	33.3	30.5	33.4	34.5	35.4	33.2	32.2	35.1
LG07-6858	33.7	33.2	31.2	33.0	34.8	34.6	33.8	33.9	35.3
LG07-6944	32.8	31.7	30.7	32.0	34.4	33.7	33.6	32.3	34.1
LG07-8646	34.5	34.7	32.4	34.3	35.3	35.1	34.1	34.0	35.8

* Protein and Oil values converted to 13% moisture basis = no sample

PRELIMINARY TEST IIIB, 2009

OIL (%)

Strain	Mean 8 Tests	Carlisle IA	Urbana IL	Lafayette IN	Ashland KS	Columbia MO	North Bend NE	Hoytville OH	South Charleston OH
IA3023 (III)	18.5	18.8	18.8	17.8	18.8	18.6	17.8	19.0	18.1
IA3024	18.7	18.9	19.5	18.3	18.4	19.8	17.8	19.1	17.8
U98-311442 (SCN)	17.7	17.7	17.7	18.3	17.1	18.4	17.2	18.4	16.7
IA4004	17.8	17.5	18.1	17.4	18.1	17.7	17.2	18.9	17.5
AR08-286058	17.2	17.1	17.1	17.2	16.7	17.6	16.8	18.9	16.6
AR08-286070	18.7	18.7	19.1	18.8	18.7	18.5	18.1	19.6	17.9
AR08-386019	17.8	17.6	17.7	18.3	17.6	17.3	17.7	18.5	17.4
AR08-386028	18.5	19.1	18.4	18.5	18.6	18.0	18.1	19.1	18.1
CL04-3711	17.6	17.6	17.9	18.2	17.4	17.5	16.9	18.9	16.6
CL05-2816	17.5	17.8	17.8	17.5	18.0	16.7	16.7	18.8	16.6
CL05-3039	18.0	18.5	18.2	18.1	17.9	18.2	17.0	18.5	17.2
CL05-3314	18.0	18.3	17.7	17.9	17.8	17.8	18.3	19.2	16.7
CL05-4611	17.8	18.4	18.2	17.6	17.7	17.7	17.4	18.2	17.1
CL05-4615	17.3	17.5	17.1	17.7	17.3	17.1	17.0	18.1	16.5
CL05-4619	18.0	18.8	17.6	17.8	17.4	18.6	17.4	19.0	17.7
CL05-4632	17.9	18.2	18.0	18.3	17.7	17.5	18.0	18.5	17.4
CL05-46116	17.8	18.2	18.0	17.7	17.9	18.1	17.3	18.5	16.6
CL05-46231	17.5	17.9	17.4	17.4	17.5	17.5	17.8	18.4	16.2
CL05-106219	17.3	16.9	17.6	17.1	17.2	18.2	17.2	17.9	16.0
CL05-202522	17.2	17.3	17.0	17.2	17.8	16.9	16.5	17.8	17.1
HS6-3787	17.8	18.2	17.4	17.8	18.1	17.7	18.3	18.1	16.7
HS7W-82	17.5	17.9	17.4	17.3	18.1	17.6	17.5	17.7	16.8
HS7W-136	17.6	17.9	18.0	17.7	17.3	17.3	17.5	18.1	17.3
HS7W-137	17.7	17.9	17.3	17.5	18.2	17.2	18.0	18.9	17.0
HS7W-190	17.1	17.3	16.9	16.5	17.1	17.5	16.9	18.1	16.5
HS7W-191	16.8	16.7	16.6	16.8	16.7	18.0	16.6	17.4	15.1
HS7W-194	16.9	17.1	17.1	17.5	17.0	16.3	16.6	17.6	15.7
LD06-2330	17.9	18.5	17.4	18.4	17.5	17.7	17.5	17.9	18.3
LD06-6030	18.2	17.9	18.0	18.7	18.0	18.0	18.0	18.5	18.9
LD06-7579	18.3	18.5	18.2	18.9	17.6	18.2	18.1	18.6	18.1
LG06-2340	18.5	19.1	18.6	18.7	17.8	18.3	18.2	19.2	18.3
LG06-2354	16.2	18.4	18.5	18.7	17.8	18.6	0.0	19.1	18.2
LG06-2697	18.6	18.6	18.9	19.2	18.6	18.2	17.9	19.4	18.2
LG06-2855	15.5	17.5	17.8	17.9	17.4	17.3	0.0	18.9	17.2
LG06-2866	18.3	18.6	18.4	18.8	17.6	18.1	17.4	18.7	18.7
LG06-6094	17.7	17.7	17.2	17.6	17.5	17.4	18.0	18.4	17.4
LG07-6717	18.2	18.4	18.6	18.6	17.7	18.1	17.8	19.0	17.8
LG07-6858	18.0	18.2	17.9	18.3	17.4	17.8	17.6	18.9	17.7
LG07-6944	18.3	18.6	18.3	18.5	18.3	17.7	18.3	19.1	17.6
LG07-8646	16.0	18.4	0.0	18.0	18.7	18.1	18.1	18.9	17.9

Uniform Test IV, 2009

Ent.	Strain	Parentage		Previous Testing	Gen. Comp.	Unique Traits
1.	LD00-3309 (IV)	Maverick x Dwight	Diers	4	F5	SCN
2.	IA4004	Dairyand 99433 x A01-409003	Fehr	2	F4	
3.	LD00-2817P (L)	Ina x Dwight	Diers	2	F5	SCN
4.	CL04-1323141	CL0J173-6-2 x S18-N5	LeRoy	08 PTIIIA	F4	Rps 3-a,1-k?
5.	CL05-20251	0J173-6-8 x (0D032-3118 x LG00-6293)	LeRoy	08 PTIIIA	F5	Rps 3-a,1-k?
6.	CL05-20252	0J173-6-8 x (0D032-3118 x LG00-6293)	LeRoy	08 PTIIIA	F5	Rps 3-a,1-k?
7.	LD04-12754	IA3023 x U98-311442	Diers	1	F5	SCN
8.	LG04-4866	LG97-9015 x HS93-4118	Nelson	1	F6	Diversity
9.	LG04-5190	LG97-9384 x LG97-9301	Nelson	1	F6	Diversity
10.	LG04-5372	Rend x LG97-9301	Nelson	1	F6	Diversity
11.	LG05-4354	LG96-1971 x C1979	Nelson	1	F6	Diversity
12.	LS05-3229	LS93-0375 x Ina	Klein	1	F6	

UNIFORM TEST IV, 2009

DESCRIPTIVE AND DISEASE DATA

Strain	Descriptive Code	<u>Green Stem</u>	<u>Shattering</u>		<u>PR</u>		<u>FE</u>	<u>SDS</u>
		Score Lafayette IN	Score Ashland KS	Score Ottawa KS	Lafayette Race 4	Lafayette Race 7	Laf. a rx.	DX Valmeyer IL
LD00-3309 (IV)	PTBDYBII	1.0	1.0	1.0	S	S	S	14
IA4004	PTBDYYI	1.0	1.0	1.0	S	S	S	22
LD00-2817P (L)	PGBDYIbI	1.0	1.0	1.0	S	S	S	14
CL04-1323141	WLtTDYBII	1.0	1.0	1.0	R	S*	S	17
CL05-20251	P+WLtBDYBII	1.0	1.0	1.0	R	S*	S	25
CL05-20252	PLtBDYBII	1.0	1.0	1.0	R	S*	S	25
LD04-12754	PTTDYBII	1.0	1.0	1.0	S	S	S	3
LG04-4866	WGBDYLtbrI	1.0	1.0	1.0	S	R*	S	10
LG04-5190	WTBDYBII	1.0	1.0	1.0	S	R*	S	14
LG04-5372	WGBDYBfI	1.0	1.0	1.0	S	S	S	7
LG05-4354	PTTDYBII	1.0	1.0	1.0	S	S	-	22
LS05-3229	PTTDYBII	1.0	1.0	1.0	S	S	S	7

PR: * = *P. sojae* inoc. Reaction NOT compatible with breeder's information about *Rps* Trait

FE: S = susceptible, - = lesions not detected, x = no data

UNIFORM TEST IV, 2009

REGIONAL SUMMARY

No. of Tests Strain	Yield 11 bu/a	Rank 11 No.	Maturity 10 Date	Lodging 13 Score	Plant Height 11 In.	Seed Quality 10 Score	Seed Size 11 g/100	Composition	
								Protein 8 %	Oil 8 %
LD00-3309 (IV)	64.2	1	9/26	1.5	33	2.0	13.5	34.2	17.7
IA4004	60.9	7	-6.0	2.0	32	2.1	17.1	34.9	17.7
LD00-2817P (L)	63.2	2	3.8	1.8	34	2.5	14.4	33.2	18.0
CL04-1323141	60.7	9	0.4	2.0	35	1.9	17.9	34.3	17.4
CL05-20251	60.0	10	-1.1	1.3	32	2.0	16.1	35.5	16.8
CL05-20252	57.0	12	-2.3	1.3	30	1.9	16.7	35.6	17.0
LD04-12754	61.2	6	-0.3	1.5	30	2.2	15.0	34.4	17.8
LG04-4866	60.8	8	2.0	1.7	32	2.3	13.2	33.1	18.0
LG04-5190	61.6	5	1.6	2.0	35	2.1	19.6	34.8	17.7
LG04-5372	62.5	3	-2.7	1.8	36	2.1	14.7	34.4	18.1
LG05-4354	58.9	11	-3.3	1.6	34	2.2	16.7	35.9	17.7
LS05-3229	61.7	4	4.5	2.1	35	2.4	16.4	34.9	17.1

131.1 Days After Planting

UNIFORM TEST IV, 2009

2008-2009 2-YEAR MEAN

No. of Tests Strain	Yield 22 bu/a	Rank 22 No.	Maturity 22 Date	Lodging 26 Score	Plant Height 24 In.	Seed Quality 22 Score	Seed Size 24 g/100	Composition	
								Protein 14 %	Oil 14 %
LD00-3309 (IV)	60.6	1	9/26	1.5	32	1.9	13.0	34.5	17.7
LD00-2817P (L)	59.2	6	3.8	1.9	33	2.4	13.8	32.8	18.5
LD04-12754	60.6	1	-0.1	1.5	30	2.0	14.5	34.1	18.0
LG04-4866	59.2	6	3.0	1.9	31	2.1	12.9	33.3	18.0
LG04-5190	60.2	4	2.1	2.2	35	1.9	18.7	34.9	17.8
LG04-5372	60.5	3	-2.4	1.8	35	2.0	13.9	34.3	18.4
LG05-4354	58.2	8	-2.7	1.5	33	2.0	15.7	35.9	18.0
LS05-3229	59.9	5	5.5	2.1	34	2.1	16.0	35.0	17.5

127.8 Days After Planting

UNIFORM TEST IV, 2009

YIELD (bu/a)

Strain	Mean 11 Tests	Harrisburg IL	Urbana IL	Lafayette IN	Ashland KS	Ottawa KS
LD00-3309 (IV)	64.2	73.0	64.9	66.1	74.3	46.7
IA4004	60.9	54.3	61.6	64.4	62.4	49.6
LD00-2817P (L)	63.2	72.0	64.7	67.1	73.1	45.2
CL04-1323141	60.7	61.2	61.0	58.2	65.4	45.8
CL05-20251	60.0	61.2	59.9	59.1	66.3	44.5
CL05-20252	57.0	61.0	61.0	59.1	66.1	47.3
LD04-12754	61.2	69.6	64.0	62.1	72.7	48.7
LG04-4866	60.8	58.4	57.8	55.2	69.0	52.3
LG04-5190	61.6	60.1	57.3	59.4	66.1	49.9
LG04-5372	62.5	56.8	62.5	63.3	66.5	49.3
LG05-4354	58.9	58.7	56.3	59.2	64.3	44.4
LS05-3229	61.7	66.0	65.3	61.6	70.5	48.3
Location Mean		62.7	61.4	61.2	68.1	47.7
C.V. (%)		11.7	9.1	5.5	6.6	5.2
L.S.D. (5%)		10.9	ns	5.7	7.5	4.1
Row Sp. (In.)		30	30	30	30	30
Rows/Plot		4	4	4	4	4
Reps		3	2	3	3	3

*Data not included in mean.

UNIFORM TEST IV, 2009

YIELD RANK

Strain	Yield Rank	Harrisburg IL	Urbana IL	Lafayette IN	Ashland KS	Ottawa KS
LD00-3309 (IV)	1	1	2	2	1	8
IA4004	7	12	6	3	12	3
LD00-2817P (L)	2	2	3	1	2	10
CL04-1323141	9	5	7	11	10	9
CL05-20251	10	6	9	9	7	11
CL05-20252	12	7	7	9	8	7
LD04-12754	6	3	4	5	3	5
LG04-4866	8	10	10	12	5	1
LG04-5190	5	8	11	7	8	2
LG04-5372	3	11	5	4	6	4
LG05-4354	11	9	12	8	11	12
LS05-3229	4	4	1	6	4	6

UNIFORM TEST IV, 2009

YIELD (bu/a)

Strain	Lexington KY	Queenstown MD	Columbia MO	Portageville (Clay) MO	Portageville (Loam) MO	South Charleston OH
LD00-3309 (IV)	76.8	62.3	75.9	41.3	50.6	74.5
IA4004	82.4	57.1	71.3	49.9	39.3	77.3
LD00-2817P (L)	80.5	62.4	65.4	48.2	51.2	65.2
CL04-1323141	72.7	63.0	76.0	55.4	45.6	62.9
CL05-20251	71.6	61.8	73.7	57.0	44.5	77.4
CL05-20252	73.6	59.0	61.8	43.0	37.8	77.7
LD04-12754	80.9	59.5	67.5	45.4	37.8	64.7
LG04-4866	81.3	66.0	72.1	48.0	50.9	57.5
LG04-5190	82.0	56.7	69.7	55.2	55.4	66.1
LG04-5372	85.4	52.9	77.2	50.8	55.4	67.8
LG05-4354	81.7	56.3	62.2	44.4	41.6	78.5
LS05-3229	75.8	55.9	77.0	49.0	48.5	60.3
Location Mean	78.7	59.4	70.8	49.0	46.6	69.2
C.V. (%)	5.2	9.5	9.9	11.4	5.8	7.4
L.S.D. (5%)	5.7	ns	10.1	9.4	4.6	8.1
Row Sp. (In.)	16	24	30	30	30	15
Rows/Plot	6	4	4	4	4	6
Reps	3	3	3	3	3	3

*Data not included in mean.

UNIFORM TEST IV, 2009

YIELD RANK

Strain	Lexington KY	Queenstown MD	Columbia MO	Portageville (Clay) MO	Portageville (Loam) MO	South Charleston OH
LD00-3309 (IV)	8	4	4	12	5	5
IA4004	2	8	7	5	10	4
LD00-2817P (L)	7	3	10	7	3	8
CL04-1323141	11	2	3	2	7	10
CL05-20251	12	5	5	1	8	3
CL05-20252	10	7	12	11	11	2
LD04-12754	6	6	9	9	11	9
LG04-4866	5	1	6	8	4	12
LG04-5190	3	9	8	3	1	7
LG04-5372	1	12	1	4	1	6
LG05-4354	4	10	11	10	9	1
LS05-3229	9	11	2	6	6	11

UNIFORM TEST IV, 2009

MATURITY (date)

Strain	Mean 10 Tests	Harrisburg IL	Urbana IL	Lafayette IN	Ashland KS	Ottawa KS
LD00-3309 (IV)	9/26	9/23	10/4	10/2	10/1	
IA4004	-6.0	-2	-10	-3	-4	
LD00-2817P (L)	3.8	8	2	3	3	
CL04-1323141	0.4	2	2	2	-1	
CL05-20251	-1.1	1	-4	1	-1	
CL05-20252	-2.3	-1	-6	2	-3	
LD04-12754	-0.3	-1	-3	2	-1	
LG04-4866	2.0	2	-2	2	3	
LG04-5190	1.6	4	1	3	3	
LG04-5372	-2.7	-1	-5	-1	-3	
LG05-4354	-3.3	0	-6	1	-1	
LS05-3229	4.5	6	4	8	6	
Date Planted	5/18	5/30	5/23	5/26	5/28	5/19
Days to Mature	131	116	134	129	126	

UNIFORM TEST IV, 2009

LODGING (score)

Strain	Mean 13 Tests	Harrisburg IL	Urbana IL	Lafayette IN	Ashland KS	Ottawa KS
LD00-3309 (IV)	1.5	1.3	1.3	1.0	1.0	1.0
IA4004	2.0	2.0	1.8	1.0	2.3	1.0
LD00-2817P (L)	1.8	3.7	1.5	1.0	2.7	1.0
CL04-1323141	2.0	2.3	2.5	1.0	2.0	1.0
CL05-20251	1.3	1.2	1.0	1.0	1.0	1.0
CL05-20252	1.3	1.3	1.0	1.0	1.0	1.0
LD04-12754	1.5	1.5	1.3	1.0	1.0	1.0
LG04-4866	1.7	1.7	1.3	1.0	1.7	1.0
LG04-5190	2.0	2.0	2.5	1.0	2.3	1.7
LG04-5372	1.8	1.3	1.3	1.0	2.0	1.3
LG05-4354	1.6	1.8	1.8	1.0	1.3	1.0
LS05-3229	2.1	2.3	2.3	1.0	2.7	1.0

UNIFORM TEST IV, 2009

MATURITY (date)

Strain	Lexington KY	Queenstown MD	Columbia MO	Portageville (Clay) MO	Portageville (Loam) MO	South Charleston OH
LD00-3309 (IV)	9/28	10/6	9/23	9/25	9/4	10/1
IA4004	-7	-5	-3	-8	-10	-8
LD00-2817P (L)	5	2	2	2	6	5
CL04-1323141	1	0	0	0	-2	-0
CL05-20251	-2	0	-1	-2	-2	-1
CL05-20252	-6	0	-1	-1	-3	-4
LD04-12754	1	1	0	2	-4	1
LG04-4866	7	4	4	3	5	-8
LG04-5190	5	0	1	1	0	-2
LG04-5372	1	-1	-2	-5	-3	-7
LG05-4354	2	-5	-2	-10	-9	-3
LS05-3229	7	2	3	2	3	4
Date Planted	5/13	6/2	5/21	5/21	4/24	4/27
Days to Mature	138	126	125	127	133	157

UNIFORM TEST IV, 2009

LODGING (score)

Strain	Lexington KY	Queenstown MD	Columbia MO	Portageville (Clay) MO	Portageville (Loam) MO	South Charleston OH
LD00-3309 (IV)	1.7	2.0	1.0	3.0	2.0	1.6
IA4004	2.2	3.7	2.0	2.0	2.0	1.8
LD00-2817P (L)	2.0	2.0	1.3	2.0	1.0	1.9
CL04-1323141	2.5	2.7	1.3	3.0	2.0	1.8
CL05-20251	1.7	2.0	1.0	2.0	1.0	1.6
CL05-20252	1.3	1.3	1.0	2.0	2.0	1.4
LD04-12754	1.7	2.0	1.0	2.0	2.0	1.9
LG04-4866	3.0	2.7	1.7	2.0	1.0	2.0
LG04-5190	2.8	2.7	1.0	2.0	2.0	2.2
LG04-5372	2.5	3.0	1.3	3.0	2.0	1.6
LG05-4354	2.0	2.0	1.0	2.0	2.0	1.7
LS05-3229	2.0	3.0	1.7	3.0	2.0	1.9

UNIFORM TEST IV, 2009**PLANT HEIGHT (inches)**

Strain	Mean 11 Tests	Harrisburg IL	Urbana IL	Lafayette IN	Ashland KS	Ottawa KS
LD00-3309 (IV)	33	37	33	34	38	34
IA4004	32	37	34	35	40	33
LD00-2817P (L)	34	39	36	35	46	34
CL04-1323141	35	41	38	38	41	35
CL05-20251	32	35	35	34	38	33
CL05-20252	30	34	35	33	37	31
LD04-12754	30	36	32	32	36	33
LG04-4866	32	37	35	30	38	31
LG04-5190	35	39	39	37	44	36
LG04-5372	36	41	39	38	44	36
LG05-4354	34	38	36	38	42	34
LS05-3229	35	39	40	36	43	34

UNIFORM TEST IV, 2009**SEED QUALITY (score)**

Strain	Mean 10 Tests	Harrisburg IL	Urbana IL	Lafayette IN	Ashland KS	Ottawa KS
LD00-3309 (IV)	2.0	1.0	1.0	1.0	2.0	2.0
IA4004	2.1	1.0	1.0	1.0	2.0	3.0
LD00-2817P (L)	2.5	1.0	1.0	1.0	2.0	3.0
CL04-1323141	1.9	1.0	1.0	1.0	2.0	2.0
CL05-20251	2.0	1.0	1.0	1.0	2.0	2.0
CL05-20252	1.9	1.0	1.0	1.0	2.0	2.0
LD04-12754	2.2	1.0	1.0	1.0	2.0	2.0
LG04-4866	2.3	1.0	1.0	1.0	2.0	2.0
LG04-5190	2.1	1.0	1.0	1.0	2.0	2.0
LG04-5372	2.1	1.0	1.0	1.0	2.0	2.0
LG05-4354	2.2	1.0	1.0	1.0	2.0	3.0
LS05-3229	2.4	1.0	1.0	1.0	2.0	2.0

UNIFORM TEST IV, 2009**PLANT HEIGHT (inches)**

Strain	Lexington KY	Queenstown MD	Columbia MO	Portageville (Clay) MO	Portageville (Loam) MO	South Charleston OH
LD00-3309 (IV)	38	31	32	23	25	34
IA4004	35	29	31	23	21	35
LD00-2817P (L)	41	31	33	20	27	33
CL04-1323141	43	33	36	24	22	38
CL05-20251	35	31	30	23	19	35
CL05-20252	35	29	27	22	16	35
LD04-12754	35	29	30	20	16	32
LG04-4866	37	30	30	26	21	33
LG04-5190	41	32	35	25	24	36
LG04-5372	42	33	35	28	24	36
LG05-4354	42	31	34	26	21	36
LS05-3229	40	35	31	30	25	34

UNIFORM TEST IV, 2009**SEED QUALITY (score)**

Strain	Lexington KY	Queenstown MD	Columbia MO	Portageville (Clay) MO	Portageville (Loam) MO	South Charleston OH
LD00-3309 (IV)	3.0		1.0	4.0	3.0	1.6
IA4004	3.0		1.0	4.0	3.0	1.6
LD00-2817P (L)	4.0		1.0	5.0	5.0	1.8
CL04-1323141	3.0		1.0	4.0	2.0	2.2
CL05-20251	3.0		1.0	4.0	3.0	1.6
CL05-20252	2.0		1.0	4.0	3.0	1.7
LD04-12754	3.0		1.0	5.0	4.0	2.1
LG04-4866	4.0		1.0	5.0	4.0	1.9
LG04-5190	3.0		2.0	4.0	3.0	1.9
LG04-5372	3.0		1.0	4.0	4.0	1.8
LG05-4354	3.0		1.0	4.0	3.0	2.9
LS05-3229	4.0		1.0	5.0	4.0	3.0

UNIFORM TEST IV, 2009**SEED SIZE (g/100)**

Strain	Mean 11 Tests	Harrisburg IL	Urbana IL	Lafayette IN	Ashland KS	Ottawa KS
LD00-3309 (IV)	13.5	13.4	13.1	15.4	15.6	12.6
IA4004	17.1	15.6	16.6	19.3	17.6	16.3
LD00-2817P (L)	14.4	13.8	13.5	16.4	16.4	14.1
CL04-1323141	17.9	18.0	18.8	19.5	20.0	16.6
CL05-20251	16.1	15.6	16.4	18.4	17.4	16.2
CL05-20252	16.7	16.0	17.2	18.7	17.9	17.0
LD04-12754	15.0	14.9	14.1	15.8	17.0	14.6
LG04-4866	13.2	12.0	11.8	14.4	15.6	13.8
LG04-5190	19.6	18.6	18.4	20.8	20.6	19.6
LG04-5372	14.7	12.7	14.1	16.0	15.8	15.0
LG05-4354	16.7	15.6	16.6	18.3	19.3	15.6
LS05-3229	16.4	16.4	16.2	18.9	18.6	15.9

UNIFORM TEST IV, 2009

SEED SIZE (g/100)

Strain	Lexington KY	Queenstown MD	Columbia MO	Portageville (Clay) MO	Portageville (Loam) MO	South Charleston OH
LD00-3309 (IV)	14.0	12.1	13.5	12.4	12.0	14.8
IA4004	19.2	14.6	17.2	17.4	14.7	19.4
LD00-2817P (L)	16.1	12.4	14.3	12.5	12.3	16.1
CL04-1323141	19.3	16.0	16.9	17.5	14.1	20.2
CL05-20251	17.1	13.7	14.8	14.5	14.2	19.1
CL05-20252	17.8	13.7	15.5	16.6	13.9	19.8
LD04-12754	16.2	12.5	15.2	16.0	12.6	15.7
LG04-4866	12.7	12.1	13.5	13.3	12.8	13.1
LG04-5190	22.5	17.5	19.8	19.1	16.5	21.8
LG04-5372	16.1	11.8	15.5	14.8	12.9	16.6
LG05-4354	18.7	14.6	15.7	16.7	14.1	18.4
LS05-3229	18.1	12.9	16.4	15.2	13.7	17.9

UNIFORM TEST IV, 2009

PROTEIN (%)

Strain	Mean 8 Tests	Urbana IL	Lafayette IN	Lexington KY	Ashland KS	Queenstown MD	Columbia MO	Portageville (Loam) MO	South Charleston OH
LD00-3309 (IV)	34.2	33.9	33.4	35.9	34.1	34.3	33.9	34.2	34.3
IA4004	34.9	31.7	33.6	37.4	35.3	35.3	35.4	35.0	35.2
LD00-2817P (L)	33.2	31.1	33.7	34.7	33.8	32.9	33.5	32.8	33.0
CL04-1323141	34.3	32.6	32.7	36.6	34.3	34.9	34.0	35.3	33.9
CL05-20251	35.5	32.3	33.4	38.3	36.1	36.6	35.2	35.9	36.3
CL05-20252	35.6	33.9	34.5	37.5	35.5	36.0	35.2	36.0	36.2
LD04-12754	34.4	33.2	32.7	35.8	34.9	35.0	33.9	35.0	34.5
LG04-4866	33.1	28.1	31.5	35.9	33.8	34.4	32.9	35.2	32.9
LG04-5190	34.8	31.1	33.8	36.5	35.4	36.0	35.1	35.4	35.4
LG04-5372	34.4	30.7	34.4	36.3	35.6	34.3	35.1	34.7	34.4
LG05-4354	35.9	33.4	35.6	36.9	36.5	36.1	36.6	35.9	36.2
LS05-3229	34.9	32.9	33.5	35.8	34.9	35.6	35.6	35.0	35.9

* Protein and Oil values converted to 13% moisture basis.

UNIFORM TEST IV, 2009

OIL (%)

Strain	Mean 8 Tests	Urbana IL	Lafayette IN	Lexington KY	Ashland KS	Queenstown MD	Columbia MO	Portageville (Loam) MO	South Charleston OH
LD00-3309 (IV)	17.7	18.7	18.2	17.2	18.5	17.0	17.7	17.2	17.4
IA4004	17.7	18.2	18.0	17.4	18.3	18.0	17.5	17.7	17.0
LD00-2817P (L)	18.0	18.2	18.6	17.3	17.6	18.0	17.9	18.3	18.0
CL04-1323141	17.4	17.6	17.0	17.7	17.7	17.4	17.5	17.2	17.0
CL05-20251	16.8	17.5	17.1	15.8	18.0	16.1	16.9	16.4	16.7
CL05-20252	17.0	17.8	17.8	16.6	18.1	16.4	17.3	16.4	16.0
LD04-12754	17.8	19.0	18.0	17.5	18.2	17.1	17.9	17.2	17.4
LG04-4866	18.0	18.9	17.9	17.3	17.9	17.6	18.1	18.1	17.8
LG04-5190	17.7	18.2	17.8	17.0	17.7	18.0	18.1	17.6	16.9
LG04-5372	18.1	19.2	17.9	17.7	18.0	17.9	18.1	18.2	18.1
LG05-4354	17.7	18.2	18.2	17.5	17.1	17.8	18.2	16.8	17.5
LS05-3229	17.1	17.0	17.4	17.2	17.4	17.2	17.3	17.7	15.8

Preliminary Test IV, 2009

Ent.	Strain	Parentage		Gen. Comp.	Unique Traits
1	LD00-3309 (IV)	Maverick x Dwight	Diers	F5	SCN
2.	IA4004	Dairyand 99433 x A01-409003	Fehr	F4	
3.	LD00-2817P (L)	Ina x Dwight	Diers	F5	SCN
4.	LD06-7727	IA3023 x LD00- 3309	Diers	F5	
5.	CL05-4612	CL0J173-6-8 x LD00-3309	LeRoy	F4	Rps3a, SCN
6.	CL05-4637	CL0J173-6-8 x LD00-3309	LeRoy	F4	Rps3a, SCN
7.	CL05-46324	CL0J173-6-8 x LD00-3309	LeRoy	F4	Rps3a, SCN
8.	CL05-46330	CL0J173-6-8 x LD00-3309	LeRoy	F4	Rps3a, SCN
9.	CL05-61210	98820-33 x LD00-3309	LeRoy	F4	SCN
10.	CL05-6145	98820-33 x LD00-3309	LeRoy	F4	SCN
11.	CL05-61413	98820-33 x LD00-3309	LeRoy	F4	SCN
12.	CL05-61415	98820-33 x LD00-3309	LeRoy	F4	SCN
13.	CL05-61418	98820-33 x LD00-3309	LeRoy	F4	SCN
14.	JTN-4109	LN98-1243 x SS96-5637	Arelli	F8	SCN
15.	K07-2253	5601T X KS4602N	Schapaugh	F4	
16.	LG06-5798	LG00-3372 x LD00-3309	Nelson	F5	Diversity
17.	LG06-5850	LG00-3372 x LD00-3309	Nelson	F5	Diversity
18.	LG06-5920	LG00-3372 x LD00-3309	Nelson	F5	Diversity
19.	LG07-6907	LG98-1445 x S42-H1	Nelson	F6	Diversity
20.	LG07-9721	LG99-11620 x LG97-9685	Nelson	F6	Diversity
21.	LG07-9722	LG99-11620 x LG97-9685	Nelson	F6	Diversity
22.	LG07-9795	S32-Z3 x LG00-3056	Nelson	F6	Diversity
23.	LG07-9807	S32-Z3 x LG99-11986	Nelson	F6	Diversity
24.	LG07-9814	S32-Z3 x LG99-11986	Nelson	F6	Diversity
25.	LS06-1308	X33802 x Ina	Klein	F5	SCN
26.	LS06-2204	LS93-0375 x LS98-0233	Klein	F6	SCN
27.	LS06-2217	LS93-0375 x LS98-0233	Klein	F6	SCN
28.	LS06-2614	LS97-1610 x MD97-6156	Klein	F6	SCN
29.	MD06-5401	Md97-6491 x Md02-6323	Kenworthy	F5	
30.	SS02-2564	na	Sleper	F5	LOW SAT
31.	SS02-2567	na	Sleper	F5	LOW SAT
32.	SS02-12419	U92-3815 x CAMP	Sleper	F5	SMALL SEED
33.	SS04-1398	KS4702 x SS16257-17	Sleper	F5	LARGE SEED

PRELIMINARY TEST IV, 2009

DESCRIPTIVE AND DISEASE DATA

Strain	Descriptive Code	<u>Green Stem</u>	<u>Shattering</u>	<u>PR</u>		<u>FE</u>
		Score	Score	Lafayette		Laf.
		Jackson TN	Ashland KS	Race 4	Race 7	a rx.
LD00-3309 (IV)	PTBDYBII	1.0	1.0	S	S	S
IA4004	WTBDYBII	1.0	1.0	S	S	S
LD00-2817P (L)	PGBDYIbI	1.5	1.0	S	S	S
LD06-7727	WLtBDYBII	1.0	1.0	R*	S	S
CL05-4612	P+WLt+TBDYBII	1.0	1.0	R	S	S
CL05-4637	PLtB+TDYBII	1.0	1.0	R	R*	S
CL05-46324	W+PLt+TT+BDYBII	1.0	1.0	H*	S	S
CL05-46330	P+WGTDYBII	1.0	1.0	R	S	S
CL05-61210	PLtBDYBII	1.0	1.0	R*	H*	S
CL05-6145	PLtBDYBrI	1.0	1.0	R*	S	S
CL05-61413	PLtBDYBII	1.0	1.0	R*	S	S
CL05-61415	PTBDYBII	1.0	1.0	R*	R*	S
CL05-61418	PLtBDYBrI	1.0	1.0	R*	S	S
JTN-4109	WGBDYLtBfI	1.5	1.0	S	R*	S
K07-2253	WTTDYBII	1.0	1.0	R*	S	-
LG06-5798	PLtTDYBII	1.0	1.0	S	S	S
LG06-5850	PLtTDYBII	1.0	1.0	H*	S	S
LG06-5920	PTBDYBII	1.0	1.0	S	S	S
LG07-6907	PTBDYBrI	1.0	1.0	S	S	S
LG07-9721	WTBDYBII	1.0	1.0	S	S	S
LG07-9722	WTBDYBII	1.0	1.0	S	S	S
LG07-9795	PGBDTIbI	1.0	1.0	S	S	-
LG07-9807	WTBDYBII	3.5	1.0	S	S	S
LG07-9814	WTTDYBII	3.0	1.0	S	S	S
LS06-1308	WGTDYBfI	1.5	1.0	S	S	S
LS06-2204	WTBDYBII	1.0	1.0	S	S	S
LS06-2217	WTBDYBII	1.5	1.0	S	S	S
LS06-2614	WTTDYBII	2.0	1.0	S	S	S
MD06-5401	PTTDYBII	1.5	1.0	R*	S	-
SS02-2564	WTBDYBrI	1.0	1.0	R*	R*	S
SS02-2567	WTBDYBrI	1.0	1.0	S	R*	-
SS02-12419	PGTDYBfI	2.5	1.0	S	S	S
SS04-1398	WGTDYI	1.5	1.0	R*	S	S

PR: * = *P. sojae* inoc. Reaction NOT compatible with breeder's information about *Rps* Trait

FE: S = susceptible, - = lesions not detected, x = no data

PRELIMINARY TEST IV, 2009

REGIONAL SUMMARY

No. of Tests StraIL	Yield	Rank	Maturity	Lodging	Plant Height	Seed Quality	Seed Size	Composition	
	8 bu/a	8 No.	8 Date	8 Score	8 IL.	7 Score	8 g/100	7 Protein %	7 Oil %
LD00-3309 (IV)	62.9	2	9/28	1.4	33	1.8	13.2	34.4	17.6
IA4004	57.8	23	-3.7	2.2	34	2.0	16.9	35.0	17.8
LD00-2817P (L)	62.6	4	3.0	2.2	35	2.0	14.2	33.3	17.9
LD06-7727	61.2	12	-0.2	1.6	34	1.7	15.6	33.6	17.8
CL05-4612	61.6	7	1.1	1.1	30	1.9	15.5	34.6	17.4
CL05-4637	59.0	19	0.9	1.1	32	1.6	14.9	33.2	18.1
CL05-46324	61.3	11	-1.7	1.4	32	1.9	13.9	33.4	18.0
CL05-46330	60.1	14	0.5	1.3	33	2.1	14.9	34.3	17.5
CL05-61210	62.1	5	0.8	1.4	31	1.7	15.2	34.0	18.1
CL05-6145	59.7	15	-2.7	1.2	31	1.8	15.7	34.8	17.6
CL05-61413	61.5	8	-0.5	1.4	32	2.1	17.0	34.8	17.8
CL05-61415	61.4	9	0.5	1.3	31	1.9	17.0	34.1	17.9
CL05-61418	62.8	3	0.3	1.3	32	1.9	15.6	34.8	18.0
JTN-4109	52.3	29	4.7	1.9	32	1.7	13.7	35.1	17.2
K07-2253	56.8	24	3.5	2.4	36	2.1	15.0	34.9	17.0
LG06-5798	61.3	10	2.9	1.6	35	1.8	12.9	34.4	17.1
LG06-5850	59.6	16	-1.3	1.7	34	2.2	15.5	34.8	17.6
LG06-5920	63.6	1	2.3	2.7	37	2.3	15.3	34.9	17.7
LG07-6907	55.5	27	-0.9	1.7	35	2.0	16.2	35.2	18.1
LG07-9721	58.8	20	0.9	1.4	34	1.8	16.5	34.3	17.9
LG07-9722	58.7	21	2.1	1.5	33	2.0	15.8	34.2	18.5
LG07-9795	59.6	16	2.6	1.5	34	1.6	14.4	33.3	18.2
LG07-9807	60.7	13	5.8	1.6	36	1.9	16.2	34.5	18.1
LG07-9814	62.0	6	3.6	2.2	37	2.0	15.4	33.6	18.5
LS06-1308	58.0	22	2.0	1.6	34	1.9	13.9	33.4	17.7
LS06-2204	59.6	16	4.3	1.5	37	1.9	16.5	34.3	17.1
LS06-2217	55.6	26	5.5	1.6	37	1.9	16.6	34.5	17.1
LS06-2614	56.8	24	1.1	1.6	37	2.1	18.6	35.5	17.4
MD06-5401	52.7	28	4.1	1.7	39	1.7	16.0	36.5	16.1
SS02-2564	51.2	30	1.3	1.3	32	1.7	15.2	36.7	16.5
SS02-2567	51.2	30	-1.3	1.4	34	1.6	14.9	36.8	16.9
SS02-12419	44.0	33	4.1	2.7	29	1.9	8.1	34.5	15.9
SS04-1398	50.4	32	4.3	2.0	29	1.9	23.1	34.8	18.0

125.6 Days After Planting

PRELIMINARY TEST IV, 2009

YIELD (bu/a)

Strain	Mean 8 Tests	Portageville							
		Harrisburg IL	Urbana IL	Lafayette IN	Ashland KS	Queenstown MD	Columbia MO	(Clay) MO	Jackson TN
LD00-3309 (IV)	62.9	72.0	66.9	65.7	67.9	69.9	72.2	41.8	46.6
IA4004	57.8	45.4	58.3	59.6	64.1	60.9	68.3	53.2	52.5
LD00-2817P (L)	62.6	67.2	62.3	62.4	66.0	68.8	75.3	43.6	55.4
LD06-7727	61.2	68.6	63.6	59.4	70.4	56.1	70.0	48.5	53.1
CL05-4612	61.6	69.0	68.5	61.7	68.0	57.7	66.3	41.0	60.9
CL05-4637	59.0	68.3	61.9	60.2	66.0	55.7	62.5	43.1	54.0
CL05-46324	61.3	69.0	62.8	59.5	70.3	62.5	74.6	42.1	49.9
CL05-46330	60.1	73.6	67.1	61.0	71.0	50.4	62.8	39.2	55.7
CL05-61210	62.1	69.7	62.5	63.3	69.1	60.3	61.3	52.6	58.2
CL05-6145	59.7	64.2	64.5	60.4	69.0	54.1	69.4	44.6	51.6
CL05-61413	61.5	65.4	71.8	57.6	67.3	57.9	71.2	40.6	60.5
CL05-61415	61.4	70.0	64.6	56.3	74.4	57.6	68.0	45.3	54.9
CL05-61418	62.8	64.7	66.8	59.3	72.9	56.0	77.8	43.4	61.7
JTN-4109	52.3	56.5	59.6	52.0	58.9	52.2	53.7	43.8	41.6
K07-2253	56.8	62.3	59.5	53.7	69.8	53.3	61.0	49.2	45.2
LG06-5798	61.3	52.9	64.8	66.1	64.7	62.7	70.9	60.9	47.5
LG06-5850	59.6	68.3	68.0	59.8	75.8	48.3	58.9	41.7	55.6
LG06-5920	63.6	68.3	68.5	68.9	68.2	60.9	72.6	46.0	55.5
LG07-6907	55.5	60.9	64.9	60.9	66.9	50.4	63.9	25.1	50.8
LG07-9721	58.8	63.2	70.6	59.2	68.0	60.2	61.7	37.3	50.2
LG07-9722	58.7	63.5	67.3	63.5	68.8	58.9	51.3	51.2	44.8
LG07-9795	59.6	52.8	60.4	58.8	71.9	59.0	74.5	46.0	53.7
LG07-9807	60.7	55.4	63.8	59.7	61.7	63.3	76.8	44.6	59.9
LG07-9814	62.0	66.6	63.0	61.7	61.2	64.2	75.9	51.3	51.8
LS06-1308	58.0	62.5	58.0	59.3	72.4	57.3	59.4	43.4	51.6
LS06-2204	59.6	67.3	58.3	59.5	65.1	53.0	68.8	47.0	58.1
LS06-2217	55.6	63.2	57.8	55.8	63.6	46.6	61.1	39.2	57.8
LS06-2614	56.8	61.1	61.2	59.5	60.7	54.9	61.2	34.8	61.2
MD06-5401	52.7	43.8	50.3	53.8	56.3	58.0	63.7	42.3	53.0
SS02-2564	51.2	29.8	56.5	56.6	62.5	50.0	70.3	39.9	44.2
SS02-2567	51.2	22.4	56.1	50.2	62.6	52.4	64.7	52.5	48.6
SS02-12419	44.0	43.0	38.1	41.1	55.0	50.4	45.7	44.2	34.5
SS04-1398	50.4	52.5	50.9	48.2	49.5	56.6	63.8	34.9	46.6
Location Mean		60.1	61.8	58.6	66.1	57.0	66.0	44.1	52.3
C.V. (%)		9.2	5.0	7.9	4.9	7.8	7.9	14.7	11.5
L.S.D. (5%)		11.2	6.3	9.3	6.6	9.1	8.9	13.1	12.3
Row Sp. (IN.)		30	30	30	30	24	30	30	30
Rows/Plot		4	4	4	4	4	4	4	4
Reps		2	2	2	2	2	2	2	2

*Data not included in mean.

PRELIMINARY TEST IV, 2009

YIELD RANK

Strain	Yield Rank	Portageville							
		Harrisburg IL	Urbana IL	Lafayette IN	Ashland KS	Queenstown MD	Columbia MO	(Clay) MO	Jackson TN
LD00-3309 (IV)	2	2	8	3	16	1	8	23	27
IA4004	23	29	25	15	23	7	15	2	18
LD00-2817P (L)	4	12	19	6	19	2	4	17	12
LD06-7727	12	7	15	19	7	19	12	8	16
CL05-4612	7	5	3	7	15	15	17	25	3
CL05-4637	19	8	20	12	19	21	23	20	14
CL05-46324	11	5	17	16	8	6	5	22	24
CL05-46330	14	1	7	9	6	28	22	28	9
CL05-61210	5	4	18	5	10	9	25	3	6
CL05-6145	15	16	13	11	11	23	13	13	20
CL05-61413	8	14	1	24	17	14	9	26	4
CL05-61415	9	3	12	26	2	16	16	12	13
CL05-61418	3	15	9	20	3	20	1	18	1
JTN-4109	29	24	23	30	30	27	31	16	32
K07-2253	24	21	24	29	9	24	28	7	29
LG06-5798	10	26	11	2	22	5	10	1	26
LG06-5850	16	8	5	13	1	32	30	24	10
LG06-5920	1	8	3	1	13	7	7	10	11
LG07-6907	27	23	10	10	18	28	19	33	22
LG07-9721	20	19	2	22	15	10	24	30	23
LG07-9722	21	17	6	4	12	12	32	6	30
LG07-9795	16	27	22	23	5	11	6	10	15
LG07-9807	13	25	14	14	27	4	2	13	5
LG07-9814	6	13	16	7	28	3	3	5	19
LS06-1308	22	20	27	20	4	17	29	18	20
LS06-2204	16	11	25	16	21	25	14	9	7
LS06-2217	26	18	28	27	24	33	27	28	8
LS06-2614	24	22	21	16	29	22	26	32	2
MD06-5401	28	30	32	28	31	13	21	21	17
SS02-2564	30	32	29	25	26	31	11	27	31
SS02-2567	30	33	30	31	25	26	18	4	25
SS02-12419	33	31	33	33	32	28	33	15	33
SS04-1398	32	28	31	32	33	18	20	31	27

PRELIMINARY TEST IV, 2009

MATURITY (date)

Strain	Mean	Portageville							
	8 Tests	Harrisburg IL	Urbana IL	Lafayette IN	Ashland KS	Queenstown MD	Columbia MO	(Clay) MO	Jackson TN
LD00-3309 (IV)	9/27	9/23	10/3	10/5	10/1	10/6	9/26	9/24	9/8
IA4004	-3.7	-6	-9	-4	-4	-1	-2	-1	-2
LD00-2817P (L)	3.0	8	3	-1	3	0	1	2	8
LD06-7727	-0.2	-1	-1	-1	-1	0	-2	2	3
CL05-4612	1.1	0	2	2	-1	0	-1	0	6
CL05-4637	0.9	1	1	1	1	0	-1	1	3
CL05-46324	-1.7	-2	-4	-2	-2	0	-2	-2	0
CL05-46330	0.5	0	1	0	1	0	-1	0	3
CL05-61210	0.8	0	-2	0	-2	0	0	2	8
CL05-6145	-2.7	-2	-6	-6	-2	-1	-2	-2	0
CL05-61413	-0.5	-2	-1	-1	-3	0	0	1	2
CL05-61415	0.5	1	-1	-2	0	0	-1	1	6
CL05-61418	0.3	-2	1	-2	2	0	-1	1	3
JTN-4109	4.7	6	6	3	5	3	3	4	8
K07-2253	3.5	3	3	2	3	1	4	4	8
LG06-5798	2.9	0	3	4	-1	3	4	4	6
LG06-5850	-1.3	-3	1	-2	-2	0	1	-7	2
LG06-5920	2.3	3	5	0	2	0	3	0	6
LG07-6907	-0.9	-2	-1	-2	1	0	-1	-4	2
LG07-9721	0.9	2	-1	-2	3	0	0	2	4
LG07-9722	2.1	4	-1	0	2	0	2	2	8
LG07-9795	2.6	1	3	0	3	0	3	3	8
LG07-9807	5.8	3	3	6	8	4	4	6	13
LG07-9814	3.6	4	1	1	1	3	3	5	11
LS06-1308	2.0	2	2	3	2	0	2	3	2
LS06-2204	4.3	6	3	6	2	3	3	5	6
LS06-2217	5.5	7	3	10	5	4	2	2	11
LS06-2614	1.1	1	0	3	3	0	1	-2	3
MD06-5401	4.1	2	4	5	5	3	4	4	6
SS02-2564	1.3	-2	0	0	2	2	2	1	6
SS02-2567	-1.3	-6	-4	-2	-3	0	0	1	3
SS02-12419	4.1	0	0	-1	5	2	7	7	13
SS04-1398	4.3	2	4	3	3	0	8	3	11
Date Planted	5/24	5/30	5/23	5/26	5/28	6/2	5/21	5/21	5/13
Days to Mature	126	116	133	132	126	126	128	126	118

PRELIMINARY TEST IV, 2009

LODGING (score)

Strain	Mean	Harrisburg IL	Urbana IL	Lafayette IN	Ashland KS	Queenstown MD	Columbia MO	Portageville	Jackson TN
	8 Tests							(Clay) MO	
LD00-3309 (IV)	1.4	1.3	1.0	1.0	2.0	1.5	1.0	2.0	1.0
IA4004	2.2	1.3	1.5	1.0	3.0	3.0	2.0	3.0	2.5
LD00-2817P (L)	2.2	4.0	1.0	1.0	4.0	2.0	1.5	2.0	2.0
LD06-7727	1.6	1.8	1.0	1.0	1.5	2.5	1.0	2.0	2.0
CL05-4612	1.1	1.0	1.0	1.0	1.0	1.0	1.0	2.0	1.0
CL05-4637	1.1	1.0	1.0	1.0	1.0	1.0	1.0	2.0	1.0
CL05-46324	1.4	1.0	1.0	1.0	1.5	1.5	1.0	3.0	1.0
CL05-46330	1.3	1.5	1.0	1.0	1.0	1.5	1.0	2.0	1.0
CL05-61210	1.4	1.0	1.0	1.0	1.5	2.0	1.0	3.0	1.0
CL05-6145	1.2	1.0	1.0	1.0	1.5	1.0	1.0	2.0	1.0
CL05-61413	1.4	1.0	1.3	1.0	1.5	1.5	1.0	3.0	1.0
CL05-61415	1.3	1.0	1.0	1.0	2.0	1.0	1.0	2.0	1.0
CL05-61418	1.3	1.0	1.3	1.0	1.5	1.5	1.0	2.0	1.0
JTN-4109	1.9	1.8	2.0	1.0	3.0	1.5	1.5	3.0	1.0
K07-2253	2.4	2.5	2.8	1.0	3.0	2.5	2.0	3.0	2.5
LG06-5798	1.6	1.0	1.5	1.0	2.0	1.5	2.0	3.0	1.0
LG06-5850	1.7	1.0	1.8	1.0	2.0	2.5	1.5	2.0	2.0
LG06-5920	2.7	3.0	3.0	1.5	3.0	3.5	2.0	3.0	2.5
LG07-6907	1.7	1.5	2.0	1.0	1.5	2.5	1.0	2.0	2.0
LG07-9721	1.4	1.0	1.5	1.0	1.5	1.5	1.0	2.0	1.5
LG07-9722	1.5	1.5	1.3	1.0	1.5	2.0	1.0	2.0	1.5
LG07-9795	1.5	1.3	1.5	1.0	2.0	1.5	1.0	2.0	2.0
LG07-9807	1.6	1.3	1.0	1.0	2.5	2.0	1.0	2.0	2.0
LG07-9814	2.2	2.3	1.3	1.0	3.0	3.0	1.0	3.0	3.0
LS06-1308	1.6	1.5	1.5	1.0	2.0	2.0	1.5	2.0	1.5
LS06-2204	1.5	1.3	1.5	1.0	2.0	2.0	1.0	2.0	1.0
LS06-2217	1.6	1.5	1.5	1.0	2.0	1.5	1.0	3.0	1.5
LS06-2614	1.6	1.8	2.3	1.0	2.0	1.5	1.0	2.0	1.5
MD06-5401	1.7	2.3	2.0	1.0	3.0	1.0	1.5	2.0	1.0
SS02-2564	1.3	1.0	1.5	1.0	1.5	1.0	1.0	2.0	1.5
SS02-2567	1.4	1.0	1.0	1.0	2.0	1.5	1.0	3.0	1.0
SS02-12419	2.7	2.3	2.8	1.0	3.5	3.5	2.5	3.0	3.0
SS04-1398	2.0	1.8	3.8	1.3	4.0	1.0	1.0	2.0	1.0

PRELIMINARY TEST IV, 2009

PLANT HEIGHT (Inches)

Strain	Mean	Harrisburg IL	Urbana IL	Lafayette IN	Ashland KS	Queenstown MD	Columbia MO	Portageville	Jackson TN
	8 Tests							(Clay) MO	
LD00-3309 (IV)	33	36	35	33	41	30	33	23	35
IA4004	34	36	35	34	42	29	32	28	34
LD00-2817P (L)	35	39	35	35	44	30	36	28	36
LD06-7727	34	40	36	31	43	31	35	22	31
CL05-4612	30	35	35	31	37	27	31	20	27
CL05-4637	32	36	34	32	43	27	31	24	31
CL05-46324	32	38	35	32	39	29	31	26	24
CL05-46330	33	37	34	33	42	28	32	26	28
CL05-61210	31	33	32	31	39	30	30	24	27
CL05-6145	31	33	33	31	40	28	32	24	24
CL05-61413	32	37	33	32	38	30	33	24	28
CL05-61415	31	36	33	30	41	27	32	23	29
CL05-61418	32	34	35	31	44	28	33	23	32
JTN-4109	32	38	38	33	41	30	32	23	20
K07-2253	36	39	39	37	46	33	34	34	28
LG06-5798	35	37	37	34	42	30	36	29	32
LG06-5850	34	39	36	35	45	27	34	25	35
LG06-5920	37	42	38	42	41	34	36	30	36
LG07-6907	35	41	39	34	46	31	31	23	37
LG07-9721	34	38	38	32	41	30	33	26	32
LG07-9722	33	37	35	33	40	30	30	26	34
LG07-9795	34	38	35	33	43	28	34	25	36
LG07-9807	36	41	38	36	47	35	33	27	33
LG07-9814	37	44	37	38	46	27	37	26	43
LS06-1308	34	36	33	34	43	29	34	27	40
LS06-2204	37	41	42	39	42	32	37	26	36
LS06-2217	37	38	41	39	46	30	34	29	38
LS06-2614	37	40	40	40	44	32	35	26	40
MD06-5401	39	46	43	41	48	32	38	31	36
SS02-2564	32	33	34	32	37	27	32	24	34
SS02-2567	34	37	37	31	42	28	33	30	35
SS02-12419	29	31	30	26	34	27	31	25	31
SS04-1398	29	33	34	36	40	24	28	14	24

PRELIMINARY TEST IV, 2009

SEED QUALITY (score)

Strain	Mean	Belleville IL	Harrisburg IL	Lafayette IN	Ashland KS	Queenstown MD	Columbia MO	Portageville	Portageville
	7 Tests							(Clay) MO	(Clay) MO
LD00-3309 (IV)	1.8	1.0	1.0	1.0	2.0		1.0	3.0	3.3
IA4004	2.0	1.0	1.0	1.0	2.0		1.0	4.0	4.3
LD00-2817P (L)	2.0	1.0	1.0	1.0	2.0		1.0	5.0	3.3
LD06-7727	1.7	1.0	1.0	1.0	2.0		1.0	3.0	3.0
CL05-4612	1.9	1.0	1.0	1.0	2.0		1.0	4.0	3.0
CL05-4637	1.6	1.0	1.0	1.0	2.0		1.0	3.0	2.3
CL05-46324	1.9	1.0	1.0	1.0	2.0		1.0	3.0	4.0
CL05-46330	2.1	1.0	1.0	1.0	2.0		1.0	5.0	3.5
CL05-61210	1.7	1.0	1.0	1.0	2.0		1.0	3.0	2.8
CL05-6145	1.8	1.0	1.0	1.0	2.0		1.0	3.0	3.8
CL05-61413	2.1	1.0	1.0	1.5	2.0		1.0	5.0	3.0
CL05-61415	1.9	1.0	1.0	1.0	2.0		1.0	4.0	3.0
CL05-61418	1.9	1.0	1.0	1.0	3.0		1.0	3.0	3.5
JTN-4109	1.7	1.0	1.0	1.0	2.0		1.0	4.0	2.0
K07-2253	2.1	1.0	1.0	1.0	2.0		2.0	5.0	2.8
LG06-5798	1.8	1.0	1.0	1.0	2.0		2.0	3.0	2.8
LG06-5850	2.2	1.0	1.0	1.0	2.0		1.0	5.0	4.3
LG06-5920	2.3	1.0	1.0	1.0	3.0		1.0	5.0	3.8
LG07-6907	2.0	1.0	1.0	1.0	2.0		1.0	5.0	3.0
LG07-9721	1.8	1.0	1.0	1.0	2.0		1.0	3.0	3.3
LG07-9722	2.0	1.0	1.0	1.0	2.0		1.0	5.0	3.0
LG07-9795	1.6	1.0	1.0	1.0	2.0		1.0	3.0	2.3
LG07-9807	1.9	1.0	1.0	1.0	2.0		1.0	5.0	2.0
LG07-9814	2.0	1.0	1.0	1.0	2.0		1.0	4.0	4.0
LS06-1308	1.9	1.0	1.0	1.0	2.0		1.0	4.0	3.3
LS06-2204	1.9	1.0	1.0	1.0	2.0		1.0	5.0	2.5
LS06-2217	1.9	1.0	1.0	1.5	2.0		1.0	4.0	2.8
LS06-2614	2.1	1.0	1.0	1.0	3.0		1.0	4.0	4.0
MD06-5401	1.7	1.0	1.0	1.0	1.0		1.0	5.0	2.0
SS02-2564	1.7	1.0	1.0	1.0	2.0		1.0	3.0	2.8
SS02-2567	1.6	1.0	1.0	1.0	2.0		1.0	3.0	2.5
SS02-12419	1.9	1.0	1.0	1.0	2.0		1.0	4.0	3.0
SS04-1398	1.9	1.0	1.0	1.0	2.0		1.0	4.0	3.0

PRELIMINARY TEST IV, 2009

SEED SIZE (g/100)

Strain	Mean	Harrisburg IL	Urbana IL	Lafayette IN	Ashland KS	Queenstown MD	Columbia MO	Portageville	Jackson TN
	8 Tests							(Clay) MO	
LD00-3309 (IV)	13.2	13.0	13.1	15.8	13.3	11.9	13.4	13.1	12.1
IA4004	16.9	13.9	16.6	20.0	18.4	14.4	17.9	18.2	15.5
LD00-2817P (L)	14.2	13.2	13.5	16.2	16.3	13.1	14.4	13.2	13.8
LD06-7727	15.6	15.1	14.5	17.5	17.6	12.7	16.0	16.0	15.3
CL05-4612	15.5	15.2	16.0	19.5	16.7	12.3	14.4	14.3	15.8
CL05-4637	14.9	15.4	14.7	18.1	15.9	11.9	14.6	14.5	14.1
CL05-46324	13.9	13.8	12.6	16.3	16.7	11.1	14.4	13.6	12.9
CL05-46330	14.9	15.5	13.9	18.1	17.2	11.4	14.5	14.0	14.5
CL05-61210	15.2	14.9	16.2	17.5	17.9	11.8	13.3	14.8	15.6
CL05-6145	15.7	14.5	15.2	18.0	17.7	14.5	15.6	15.7	14.7
CL05-61413	17.0	15.9	17.6	20.4	19.0	13.9	15.4	16.9	16.6
CL05-61415	17.0	15.4	17.3	19.5	19.0	14.5	16.5	16.9	17.2
CL05-61418	15.6	14.2	15.8	18.5	17.3	12.5	15.2	16.0	15.7
JTN-4109	13.7	13.8	13.8	16.0	14.7	11.3	12.8	12.8	14.2
K07-2253	15.0	15.6	14.3	16.1	17.0	12.9	14.3	14.6	15.1
LG06-5798	12.9	12.7	12.8	14.6	14.5	11.9	11.6	13.3	12.1
LG06-5850	15.5	15.5	15.2	17.2	17.4	12.9	13.8	16.2	15.9
LG06-5920	15.3	15.7	15.1	17.1	18.1	13.9	14.4	14.0	14.2
LG07-6907	16.2	15.4	16.0	17.8	17.4	14.1	15.5	16.9	16.6
LG07-9721	16.5	16.2	17.6	18.4	18.8	13.5	16.0	16.5	15.3
LG07-9722	15.8	15.0	15.9	17.6	17.8	12.6	15.3	17.2	15.1
LG07-9795	14.4	14.3	13.0	15.9	17.2	12.0	15.0	14.0	13.8
LG07-9807	16.2	15.0	16.5	18.9	17.2	12.4	15.8	16.4	17.2
LG07-9814	15.4	14.7	15.1	17.6	16.6	11.6	15.6	16.8	15.2
LS06-1308	13.9	13.5	12.2	16.3	14.8	11.0	14.0	16.2	13.3
LS06-2204	16.5	16.6	15.5	18.1	18.3	12.9	15.3	17.3	17.6
LS06-2217	16.6	16.4	16.2	17.7	19.5	13.1	15.8	16.6	17.6
LS06-2614	18.6	18.6	18.9	21.3	21.1	14.8	17.9	16.7	19.4
MD06-5401	16.0	14.8	14.7	16.6	16.8	15.1	16.2	17.8	16.2
SS02-2564	15.2	13.3	15.8	17.4	16.6	12.6	15.4	15.3	15.0
SS02-2567	14.9	11.7	14.6	17.4	15.5	12.6	16.0	16.0	15.1
SS02-12419	8.1	6.2	5.8	6.2	11.0	6.6	6.5	16.3	6.5
SS04-1398	23.1	21.5	24.9	23.4	26.5	19.6	22.6	22.4	23.8

PRELIMINARY TEST IV, 2009

PROTEIN (%)

Strain	Mean	Urbana IL	Lafayette IN	Ashland KS	Queenstown MD	Columbia MO	Portageville	Jackson TN
	7 Tests						(Loam) MO	
LD00-3309 (IV)	34.4	33.9	34.6	33.0	34.1	34.2	35.6	35.7
IA4004	35.0	31.7	35.9	34.9	34.8	36.0	35.9	35.7
LD00-2817P (L)	33.3	31.1	34.2	34.4	33.0	33.2	35.3	31.7
LD06-7727	33.6	29.0	33.5	33.4	34.4	35.0	35.9	34.1
CL05-4612	34.6	32.1	34.3	34.6	35.7	35.3	36.1	34.5
CL05-4637	33.2	30.7	32.6	33.3	34.4	32.8	35.3	33.3
CL05-46324	33.4	28.8	34.0	33.8	33.9	34.1	34.8	34.1
CL05-46330	34.3	30.6	34.4	34.6	35.3	35.0	35.3	34.8
CL05-61210	34.0	30.8	33.5	33.8	35.7	34.3	35.8	34.1
CL05-6145	34.8	31.6	34.9	35.0	35.0	35.0	36.5	35.4
CL05-61413	34.8	32.4	34.8	34.9	35.4	35.2	37.0	34.3
CL05-61415	34.1	31.1	34.4	34.1	34.1	34.9	36.0	34.0
CL05-61418	34.8	34.8	34.3	34.1	34.0	35.9	35.8	34.5
JTN-4109	35.1	32.7	34.1	35.7	35.8	36.2	37.4	33.6
K07-2253	34.9	31.9	33.8	35.7	35.7	35.4	36.8	34.7
LG06-5798	34.4	31.7	33.8	34.8	35.3	35.3	36.4	33.8
LG06-5850	34.8	31.7	34.4	34.9	35.0	35.4	36.3	35.8
LG06-5920	34.9	34.5	34.1	34.4	35.0	35.2	36.3	34.7
LG07-6907	35.2	32.6	36.1	34.7	35.4	35.3	36.6	35.4
LG07-9721	34.3	31.5	33.7	34.0	34.9	33.8	36.8	35.5
LG07-9722	34.2	31.1	35.1	34.1	34.9	34.2	36.3	33.8
LG07-9795	33.3	28.9	33.3	33.6	34.0	35.6	35.3	32.4
LG07-9807	34.5	31.5	34.8	34.9	35.4	34.3	36.9	34.1
LG07-9814	33.6	30.4	33.1	35.2	33.7	33.6	35.6	33.4
LS06-1308	33.4	29.9	33.4	33.5	34.1	34.2	35.2	33.4
LS06-2204	34.3	30.3	33.1	35.4	34.5	34.5	37.1	35.5
LS06-2217	34.5	31.2	33.3	35.0	35.1	35.1	36.6	35.5
LS06-2614	35.5	33.4	34.9	35.3	35.6	35.5	36.8	36.8
MD06-5401	36.5	33.0	35.5	36.9	38.5	37.6	37.7	36.3
SS02-2564	36.7	32.8	36.3	37.8	37.8	37.4	38.3	36.1
SS02-2567	36.8	34.4	36.4	36.9	37.6	37.4	38.3	36.5
SS02-12419	34.5	28.9	33.4	36.4	35.9	35.2	37.1	34.8
SS04-1398	34.8	32.1	35.6	34.9	34.5	34.7	36.6	35.0

* Protein and Oil values converted to 13% moisture basis.

PRELIMINARY TEST IV, 2009

OIL (%)

StraILL	Mean	Urbana IL	Lafayette IN	Ashland KS	Queenstown MD	Columbia MO	Portageville	Jackson TN
	7 Tests						(Loam) MO	
LD00-3309 (IV)	17.6	18.7	17.0	18.1	17.4	18.0	16.9	17.4
IA4004	17.8	18.2	18.2	17.9	17.2	17.7	17.4	18.2
LD00-2817P (L)	17.9	18.2	18.2	18.3	17.3	17.9	17.0	18.8
LD06-7727	17.8	18.9	17.2	17.9	18.1	17.8	17.0	17.9
CL05-4612	17.4	18.5	17.2	18.0	16.3	17.7	16.6	17.8
CL05-4637	18.1	19.1	17.9	18.1	17.2	18.5	17.2	18.6
CL05-46324	18.0	19.1	17.4	18.6	17.1	18.0	17.0	18.7
CL05-46330	17.5	18.6	17.5	17.2	16.8	17.5	17.3	17.7
CL05-61210	18.1	19.0	17.4	18.3	17.4	17.4	18.0	19.0
CL05-6145	17.6	18.8	17.4	17.6	17.2	17.7	17.0	17.8
CL05-61413	17.8	18.5	16.9	18.1	16.7	18.1	18.2	18.1
CL05-61415	17.9	18.4	17.2	18.1	17.6	17.8	17.7	18.3
CL05-61418	18.0	18.3	17.7	18.6	17.4	18.4	17.2	18.0
JTN-4109	17.2	17.8	16.9	17.5	16.8	17.3	16.1	18.2
K07-2253	17.0	17.7	16.6	17.8	15.6	16.6	17.6	17.4
LG06-5798	17.1	17.6	17.5	17.4	16.5	16.9	16.2	17.8
LG06-5850	17.6	18.7	17.5	18.2	16.8	17.2	17.3	17.4
LG06-5920	17.7	18.3	17.7	17.7	16.7	17.5	17.3	18.5
LG07-6907	18.1	18.7	18.4	18.1	17.2	18.1	17.9	18.2
LG07-9721	17.9	18.5	17.8	17.8	18.0	18.0	17.4	17.7
LG07-9722	18.5	18.9	18.6	18.5	18.0	18.4	18.0	19.5
LG07-9795	18.2	19.1	17.4	17.9	17.7	18.6	17.7	18.6
LG07-9807	18.1	18.9	17.8	17.7	17.5	18.5	18.1	18.3
LG07-9814	18.5	19.3	17.8	18.1	18.5	18.1	18.3	19.6
LS06-1308	17.7	18.6	17.2	17.8	17.2	17.7	16.7	18.7
LS06-2204	17.1	18.2	16.6	17.4	17.0	17.2	16.1	17.0
LS06-2217	17.1	17.9	16.8	17.8	16.2	17.1	16.4	17.6
LS06-2614	17.4	18.2	16.9	17.6	17.2	17.4	16.8	18.1
MD06-5401	16.1	17.1	15.0	17.4	15.1	15.8	15.4	16.6
SS02-2564	16.5	17.9	16.0	16.5	15.8	16.0	16.3	17.1
SS02-2567	16.9	18.5	16.1	17.6	16.0	16.6	16.4	16.9
SS02-12419	15.9	17.5	15.5	16.1	14.7	15.8	14.9	16.6
SS04-1398	18.0	18.0	18.3	17.7	17.4	18.9	17.4	18.1

Uniform Test 0 Roundup-Ready, 2009

Ent.	Strain	Parentage	Seed Source	Previous Testing	Gen. Comp.	Unique Traits
1.	RG600RR	RG200RR x RG405RR	Helms	1		RR
2.	AG0808	replaces AG0801	Monsanto	new		
3.	SD1111RR (L)	A97-771039 x SD1081RR	Scott	5	F4	RR
4.	RG200RR	Trail*3 x (Council x Resnik(RR))	Helms	5		RR
5.	M03-502027R	M98-332108 x MN0305RR	Orf	new	F5	
6.	M03-504009R	M97-115063 x MN0305RR	Orf	new	F5	
7.	MS04-346013R	M98-108119 x GCS 6009RR	Orf	new	F5	IDC
8.	MS04-346018R	M98-108119 x GCC 6009RR	Orf	new	F5	IDC
9.	SD06R-1200	IA2052 x SD00-1307R	Green	new	F5	Rps 1k
10.	SD06R-1729	A-01-41009 x SDX00R-039-47	Green	new	F5	
11.	SD06R-1901	A00-812031 x SD00-1307R	Green	new	F5	Rps 1k
12.	SD06R-2462	A00-812031 x SD00R-015-32	Green	new	F5	
13.	SD06R-3241	IA2052 x SDX00R-039-47	Green	new	F5	Rps 1k
14.	SD06R-3250	IA2052 x SDX00R-039-47	Green	new	F5	Rps 1k + Rps 6
15.	SD06R-3401	SD00-1037R x SSR1-11	Green	new	F5	Rps 1k

UNIFORM TEST 0 Roundup-Ready, 2009

DESCRIPTIVE AND DISEASE DATA

Strain	Descriptive Code	<u>Fe Chlorosis</u>	<u>Shattering</u>	<u>PR</u>	
		Score	Score	Lafayette	
		Wilkin County MN	Manhattan KS	Race 4	Race 7
RG600RR	PTBDYYI	2.5	1.0	R*	S
AG0808	WTBDY I	2.5	1.0	R*	R*
SD1111RR (L)	PGBDYI	3.0	1.0	S	S
RG200RR	PTBDYYI	3.0	1.0	S	S
M03-502027R	PTBDYBr+BII	3.5	1.0	R*	R*
M03-504009R	PTBIYYI	3.5	1.0	S	S
MS04-346013R	P+WTBDYHI	3.0	1.0	R*	R*
MS04-346018R	PTBDYBI+GI	3.0	1.0	S	S
SD06R-1200	PGBDYIbI	3.5	1.0	R	R
SD06R-1729	PTBDYGI	4.5	2.0	S	S
SD06R-1901	PYB+TDYBII	4.0	1.0	R	R
SD06R-2462	PGBDYIbI	3.0	1.0	S	S
SD06R-3241	PG+TBDYBII	2.5	1.0	S*	S*
SD06R-3250	PTBDYBII	3.0	1.0	S*	S*
SD06R-3401	PGBDYIbI	3.5	1.0	R	R

PR: * = *P. sojae* inoc. Reaction NOT compatible with breeder's information about *Rps* Trait

UNIFORM TEST 0 Roundup-Ready, 2009

REGIONAL SUMMARY

No. of Tests Strain	Yield 3 bu/a	Rank 3 No.	Maturity 4 Date	Lodging 4 Score	Plant Height 3 In.	Seed Quality 4 Score	Seed Size 4 g/100	Composition	
								Protein 3 %	Oil 3 %
RG600RR	35.6	14	9/11	1.4	26	2.0	15.7	35.7	17.6
AG0808	47.5	2	9.3	1.2	33	2.0	16.2	33.7	17.7
SD1111RR (L)	39.1	11	12.4	1.3	32	1.5	13.4	34.0	18.1
RG200RR	35.1	15	-0.1	1.2	27	2.1	13.5	35.4	17.2
M03-502027R	41.7	10	12.9	1.3	36	1.6	14.1	35.9	16.7
M03-504009R	36.5	12	6.7	1.3	27	2.0	14.3	35.7	16.6
MS04-346013R	42.8	8	10.8	1.3	31	2.1	15.7	35.9	16.9
MS04-346018R	36.1	13	7.0	1.1	30	2.3	14.8	35.5	16.4
SD06R-1200	44.2	6	12.3	1.2	29	1.6	14.0	35.3	17.3
SD06R-1729	44.4	5	8.3	1.3	28	1.9	13.2	34.1	17.6
SD06R-1901	46.1	3	14.1	1.3	32	2.1	14.9	34.6	16.7
SD06R-2462	43.4	7	16.0	1.5	29	2.1	15.7	33.1	18.4
SD06R-3241	49.7	1	17.5	1.1	32	1.9	13.6	34.7	17.1
SD06R-3250	46.1	3	9.7	1.5	31	1.9	13.5	34.7	18.0
SD06R-3401	42.3	9	19.0	1.3	31	1.9	14.4	36.0	17.3

117.5 Days After Planting

UNIFORM TEST 0 Roundup-Ready, 2009

YIELD (bu/a)

Strain	Mean 3 Tests	Morris* MN	Rosemount MN	St. Hyacinthe Que.	Aurora SD
RG600RR	35.6	13.5	25.1	49.3	32.5
AG0808	47.5	27.7	35.0	62.1	45.5
SD1111RR (L)	39.1	25.7	25.0	52.2	40.0
RG200RR	35.1	18.1	26.4	47.5	31.4
M03-502027R	41.7	34.8	30.4	55.5	39.1
M03-504009R	36.5	21.9	27.5	45.0	36.9
MS04-346013R	42.8	24.2	40.7	51.8	35.9
MS04-346018R	36.1	27.9	29.3	42.0	36.9
SD06R-1200	44.2	36.7	32.6	57.6	42.4
SD06R-1729	44.4	32.3	44.2	47.8	41.1
SD06R-1901	46.1	30.0	40.6	57.2	40.6
SD06R-2462	43.4	26.2	36.5	54.3	39.2
SD06R-3241	49.7	37.7	50.2	54.5	44.5
SD06R-3250	46.1	20.2	43.2	52.0	43.1
SD06R-3401	42.3	32.3	33.6	51.9	41.5
Location Mean		27.3	34.7	52.1	39.4
C.V. (%)		15.5	13.9	6.8	8.6
L.S.D. (5%)		7.5	8.4	4.9	5.7
Row Sp. (In.)		10	10	15	30
Rows/Plot		10	10	4	4
Reps		3	3	3	3

*Data not included in mean.

UNIFORM TEST 0 Roundup-Ready, 2009

YIELD RANK

Strain	Yield Rank	Morris MN	Rosemount MN	St. Hyacinthe Que.	Aurora SD
RG600RR	14	15	14	11	14
AG0808	2	8	7	1	1
SD1111RR (L)	11	10	15	7	8
RG200RR	15	14	13	13	15
M03-502027R	10	3	10	4	10
M03-504009R	12	12	12	14	11
MS04-346013R	8	11	4	10	13
MS04-346018R	13	7	11	15	12
SD06R-1200	6	2	9	2	4
SD06R-1729	5	4	2	12	6
SD06R-1901	3	6	5	3	7
SD06R-2462	7	9	6	6	9
SD06R-3241	1	1	1	5	2
SD06R-3250	3	13	3	8	3
SD06R-3401	9	4	8	9	5

UNIFORM TEST 0 Roundup-Ready, 2009

MATURITY (date)

Strain	Mean 4 Tests	Morris** MN	Rosemount MN	St. Hyacinthe Que.	Aurora SD
RG600RR	9/11	9/19	9/5	9/14	9/8
AG0808	9.3	12	10	8	7
SD1111RR (L)	12.4	21	9	11	9
RG200RR	-0.1	-1	0	1	0
M03-502027R	12.9	17	12	8	15
M03-504009R	6.7	5	4	4	14
MS04-346013R	10.8	8	10	7	18
MS04-346018R	7.0	12	7	3	6
SD06R-1200	12.3	18	11	10	10
SD06R-1729	8.3	9	10	6	8
SD06R-1901	14.1	17	11	10	18
SD06R-2462	16.0	17	23	11	13
SD06R-3241	17.5	18	22	12	18
SD06R-3250	9.7	14	11	7	7
SD06R-3401	19.0	22	23	9	22
Date Planted	5/17	5/18	5/16	5/15	5/19
Days to Mature	118	124	112	122	112

** Killing Frost --- Morris, and Rosemount, MN 10/9/09

UNIFORM TEST 0 Roundup-Ready, 2009

LODGING (score)

Strain	Mean 4 Tests	Morris MN	Rosemount MN	St. Hyacinthe Que.	Aurora SD
RG600RR	1.4	1.0	1.7	1.0	2.0
AG0808	1.2	1.0	1.7	1.0	1.0
SD1111RR (L)	1.3	1.0	2.0	1.0	1.0
RG200RR	1.2	1.0	1.7	1.0	1.0
M03-502027R	1.3	1.0	2.0	1.0	1.0
M03-504009R	1.3	1.0	2.0	1.0	1.0
MS04-346013R	1.3	1.0	2.0	1.3	1.0
MS04-346018R	1.1	1.0	1.3	1.0	1.0
SD06R-1200	1.2	1.0	1.7	1.0	1.0
SD06R-1729	1.3	1.0	2.0	1.0	1.0
SD06R-1901	1.3	1.0	2.0	1.0	1.0
SD06R-2462	1.5	1.0	2.0	1.0	2.0
SD06R-3241	1.1	1.0	1.3	1.0	1.0
SD06R-3250	1.5	1.0	2.0	1.0	2.0
SD06R-3401	1.3	1.0	2.0	1.0	1.0

UNIFORM TEST 0 Roundup-Ready, 2009

PLANT HEIGHT (inches)

Strain	Mean 3 Tests	Morris MN	Rosemount MN	St. Hyacinthe Que.	Aurora SD
RG600RR	26		21	25	33
AG0808	33		28	33	37
SD1111RR (L)	32		21	36	39
RG200RR	27		22	26	34
M03-502027R	36		29	36	44
M03-504009R	27		22	26	33
MS04-346013R	31		25	30	39
MS04-346018R	30		23	30	37
SD06R-1200	29		24	30	33
SD06R-1729	28		24	27	34
SD06R-1901	32		25	33	37
SD06R-2462	29		24	31	32
SD06R-3241	32		27	32	38
SD06R-3250	31		25	30	37
SD06R-3401	31		29	30	34

UNIFORM TEST 0 Roundup-Ready, 2009

SEED QUALITY (score)

Strain	Mean 4 Tests	Morris MN	Rosemount MN	St. Hyacinthe Que.	Aurora SD
RG600RR	2.0	2.0	2.0	2.0	2.0
AG0808	2.0	2.0	2.0	2.0	2.0
SD1111RR (L)	1.5	2.0	1.0	1.0	2.0
RG200RR	2.1	2.0	2.5	2.0	2.0
M03-502027R	1.6	2.0	1.5	1.0	2.0
M03-504009R	2.0	1.5	2.5	2.0	2.0
MS04-346013R	2.1	2.0	2.5	2.0	2.0
MS04-346018R	2.3	2.0	2.0	3.0	2.0
SD06R-1200	1.6	1.5	2.0	1.0	2.0
SD06R-1729	1.9	2.0	1.5	2.0	2.0
SD06R-1901	2.1	2.5	2.0	2.0	2.0
SD06R-2462	2.1	2.0	2.5	2.0	2.0
SD06R-3241	1.9	2.0	1.5	2.0	2.0
SD06R-3250	1.9	2.0	1.5	2.0	2.0
SD06R-3401	1.9	2.0	1.5	2.0	2.0

UNIFORM TEST 0 Roundup-Ready, 2009

SEED SIZE (g/100)

Strain	Mean 4 Tests	Morris MN	Rosemount MN	St. Hyacinthe Que.	Aurora SD
RG600RR	15.7	16.1	16.6	15.2	14.8
AG0808	16.2	13.5	18.6	16.5	16.0
SD1111RR (L)	13.4	12.7	13.8	14.2	13.0
RG200RR	13.5	13.4	13.4	14.1	13.0
M03-502027R	14.1	13.0	14.7	14.3	14.3
M03-504009R	14.3	12.5	14.8	14.4	15.5
MS04-346013R	15.7	13.9	17.0	15.7	16.0
MS04-346018R	14.8	15.0	14.8	14.8	14.5
SD06R-1200	14.0	14.7	13.6	13.7	13.8
SD06R-1729	13.2	12.8	14.9	12.4	12.5
SD06R-1901	14.9	13.4	16.0	15.3	15.0
SD06R-2462	15.7	16.4	16.4	16.1	14.0
SD06R-3241	13.6	12.8	16.2	12.5	12.9
SD06R-3250	13.5	13.2	15.7	13.0	12.2
SD06R-3401	14.4	13.3	16.5	13.4	14.4

UNIFORM TEST 0 Roundup-Ready, 2009

PROTEIN (%)

Strain	Mean 3 Tests	Morris MN	Rosemount MN	Aurora SD
RG600RR	35.7	37.4	34.9	34.9
AG0808	33.7	33.9	33.5	33.8
SD1111RR (L)	34.0	34.2	33.7	34.1
RG200RR	35.4	36.8	34.8	34.5
M03-502027R	35.9	36.4	35.6	35.8
M03-504009R	35.7	37.9	33.6	35.6
MS04-346013R	35.9	36.3	36.3	35.2
MS04-346018R	35.5	36.3	35.3	34.9
SD06R-1200	35.3	34.7	35.4	35.8
SD06R-1729	34.1	35.4	33.8	33.0
SD06R-1901	34.6	34.9	34.5	34.3
SD06R-2462	33.1	33.6	34.1	31.8
SD06R-3241	34.7	34.5	34.6	35.0
SD06R-3250	34.7	34.1	35.2	34.6
SD06R-3401	36.0	35.7	35.7	36.4

* Protein and Oil values converted to 13% moisture basis.

UNIFORM TEST 0 Roundup-Ready, 2009

OIL (%)

Strain	Mean 3 Tests	Morris MN	Rosemount MN	Aurora SD
RG600RR	17.6	16.2	18.3	18.4
AG0808	17.7	17.6	17.6	17.9
SD1111RR (L)	18.1	18.2	17.8	18.2
RG200RR	17.2	16.2	17.2	18.2
M03-502027R	16.7	16.3	16.9	16.8
M03-504009R	16.6	15.2	17.4	17.1
MS04-346013R	16.9	16.8	16.2	17.6
MS04-346018R	16.4	16.0	15.8	17.4
SD06R-1200	17.3	17.2	17.7	17.1
SD06R-1729	17.6	17.4	17.2	18.2
SD06R-1901	16.7	16.6	16.6	17.0
SD06R-2462	18.4	18.4	17.4	19.4
SD06R-3241	17.1	17.0	16.7	17.6
SD06R-3250	18.0	18.0	17.9	18.1
SD06R-3401	17.3	17.1	17.0	17.9

Uniform Test I Roundup-Ready, 2009

Ent.	Strain	Parentage	Seed Source	Previous Testing	Gen. Comp.	Unique Traits
1.	SD1161RR/(SCN)	IA1008 x SD1081RR	Green	2		
2.	SD1111RR (E)	A97-771039 x SD1081RR	Green	3	F4	RR
3.	U03-820038 (SCN)	na	Graef	1		
4.	AG2002		Monsanto	2		
5.	M00-530039	MN1803RR x M96-136086	Orf	2	F5	Rps1
6.	SD03-2768R	IA1008 x HenRR	Scott	2	F5	RR
7.	SD04R-2700	MN0902 x SD93-828R	Scott	1	F4	RR
8.	SD05R-4526	SD1081RR x Pion 9233	Scott	1	F5	RR
9.	SD05R-4608	SD1081RR x Pion 9233	Scott	1	F5	RR
10.	SD05R-5866	SD01-3382R x CX1834-1-3	Scott	1	F5	RR, Phytate
11.	SD06R-1780	IA2050 x SD00-1307R	Green	new	F5	
12.	SD06R-1917	A00-812031 x SD00-1307R	Green	new	F5	Rps 1c
13.	SD06R-2545	A00-812031 x SDX00R-017-5	Green	new	F5	
14.	SD06R-3612	SDX00R-035-1 x SDX00R-036-9	Green	new	F5	
15.	SD06R-3650	SDX00R-035-1 x SDX00R-036-9	Green	new	F5	Rps 1k
16.	SD06R-4518	SSR1-3 x SDX01R-024 (Traill x 1081RR)	Green	new	F5	Rps 1k
17.	SD06R-5042	SD1091RR x M92-1850003	Green	new	F5	Rps 1c
18.	SD06R-5123	SDX00R-015-44 x SD96-135-3	Green	new	F5	Rps 1c
19.	SD06R-5528	Spink x SD00-1277R (1048)	Green	new	F5	
20.	SD06R-5663	M96-714-81 x SD1091RR	Green	new	F5	Rps 1c
21.	SD06R-5684	M96-714-81 x SD1091RR	Green	new	F5	
22.	SD06R-5819	HF00-022 x SD00-048R	Green	new	F5	Rps 1c
23.	U07-135601R	na	Graef	new	F4	RR, dt
24.	U07-136210R	na	Graef	new	F4	RR, IDC, SCN?

UNIFORM TEST I Roundup-Ready, 2009

DESCRIPTIVE AND DISEASE DATA

Strain	Descriptive Code	<u>Fe Chlorosis</u>	<u>Green Stem</u>	<u>Shattering</u>	<u>PR</u>		<u>FE</u>	<u>SDS</u>
		Score	Score	Score	Lafayette		Laf.	DX
		Wilkin County MN	Wanatah IN	Ashland KS	Race 4	Race 7	a rx.	Havana IL
SD1161RR/(SCN)	WGBDYI	2.0	1.0	1.0	S	S	S	7
SD1111RR (E)	PGBDYI	2.5	1.0	1.0	S	S	S	2
U03-820038 (SCN)	PTDIBI	2.0	1.0	1.0	S	R*	S	24
AG2002	PTDIBI	1.5	1.0	1.0	S	R	S	2
M00-530039	PGTDIBI	2.0	1.0	1.0	S	S	S	15
SD03-2768R	PBBDYI	2.5	1.0	2.0	S	S	S	3
SD04R-2700	PTDIBI	2.0	1.0	1.0	R*	R*	S	0
SD05R-4526	PTDIBI	2.5	1.0	1.0	S	S	S	4
SD05R-4608	W+PBDIBI	2.0	1.0	1.0	S	S	S	2
SD05R-5866	P+WGBDYIb+BfI	2.0	1.0	1.0	S	S	S	7
SD06R-1780	PTDIBI	2.0	1.0	1.0	S	S	S	1
SD06R-1917	PLTDIBI	2.0	1.0	1.0	R*	R	S	2
SD06R-2545	PTDIBI	2.0	1.0	1.0	H*	H*	S	1
SD06R-3612	PGBDYBfI	2.0	1.0	1.0	R*	R*	S	7
SD06R-3650	WGT+BDYBfI	2.5	1.0	1.0	H*	H*	S	11
SD06R-4518	PTDIBI	2.5	1.0	1.0	R	R	S	6
SD06R-5042	PGBDYBfI	2.5	1.0	2.0	S	S*	S	7
SD06R-5123	PGBDYBfI	2.0	1.0	1.0	R*	R	S	9
SD06R-5528	PGBDYBfI	2.0	1.0	1.0	S	S	S	24
SD06R-5663	PGBDYBfI	2.0	1.0	1.0	R*	R	S	7
SD06R-5684	PTDIBI	2.0	1.0	1.0	R*	R*	S	19
SD06R-5819	PTDIBI	2.0	1.0	1.0	R*	R	S	11
U07-135601R	PGTDYIbI	2.0	1.0	1.0	R*	R*	S	16
U07-136210R	PTDIBI	2.0	1.0	1.0	R*	R*	S	16

PR: * = *P. sojae* inoc. Reaction NOT compatible with breeder's information about *Rps* Trait

FE: S = susceptible, - = lesions not detected, x = no data

UNIFORM TEST I Roundup-Ready, 2009

REGIONAL SUMMARY

No. of Tests Strain	Yield 11 bu/a	Rank 11 No.	Maturity 10 Date	Lodging 10 Score	Plant Height 7 In.	Seed Quality 6 Score	Seed Size 8 g/100	Composition	
								Protein 6 %	Oil 6 %
SD1161RR/(SCN)	53.7	8	9/21	1.1	26	1.5	16.6	34.6	17.9
SD1111RR (E)	51.2	18	-5.6	1.2	29	1.4	15.3	33.9	18.7
U03-820038 (SCN)	55.8	5	-0.2	1.1	28	1.5	15.5	34.6	18.0
AG2002	62.2	1	2.2	1.2	32	1.4	14.0	34.9	17.9
M00-530039	54.1	7	-4.6	1.1	28	1.5	17.4	34.5	17.9
SD03-2768R	51.1	20	-3.6	1.2	28	1.4	17.2	33.5	18.4
SD04R-2700	52.9	16	-3.8	1.1	31	1.4	17.1	34.9	17.7
SD05R-4526	53.2	11	-2.8	1.2	33	1.8	15.2	34.6	18.0
SD05R-4608	56.2	4	-4.3	1.3	32	1.6	16.7	33.7	18.1
SD05R-5866	54.7	6	-6.0	1.2	28	1.8	18.1	34.2	17.6
SD06R-1780	53.1	12	-2.6	1.1	30	1.7	16.6	34.8	17.6
SD06R-1917	50.8	21	-5.6	1.2	27	1.7	16.8	34.6	17.3
SD06R-2545	53.1	12	-1.4	1.2	29	1.6	14.5	33.6	18.0
SD06R-3612	49.6	22	-5.2	1.2	31	1.5	14.5	34.6	18.3
SD06R-3650	48.7	24	-4.8	1.1	29	1.6	14.5	34.5	18.1
SD06R-4518	51.2	18	-3.7	1.1	30	1.6	18.2	34.5	17.9
SD06R-5042	49.3	23	-4.2	1.5	27	1.7	17.0	34.7	17.7
SD06R-5123	53.1	12	-4.4	1.1	27	1.8	17.0	34.7	17.7
SD06R-5528	53.3	10	-5.1	1.3	30	1.7	16.0	34.0	17.9
SD06R-5663	53.0	15	-4.7	1.2	29	1.7	16.1	34.6	17.9
SD06R-5684	53.7	8	-4.2	1.6	32	1.5	17.0	35.1	17.2
SD06R-5819	51.4	17	-4.9	1.7	31	1.6	17.1	35.1	16.9
U07-135601R	61.0	2	1.5	1.2	29	1.6	15.2	34.4	17.9
U07-136210R	57.1	3	-1.1	1.2	30	1.4	14.4	35.1	17.4

126.1 Days After Planting

UNIFORM TEST I Roundup-Ready, 2009

2008-2009 2-YEAR MEAN

No. of Tests Strain	Yield 23 bu/a	Rank 23 No.	Maturity 21 Date	Lodging 21 Score	Plant Height 16 In.	Seed Quality 12 Score	Seed Size 20 g/100	Composition	
								Protein 12 %	Oil 12 %
SD1161RR/(SCN)	52.8	5	9/19	1.4	29	1.5	16.0	34.3	18.1
SD1111RR (E)	49.5	10	-5.5	1.5	30	1.6	15.0	34.0	18.9
U03-820038 (SCN)	54.4	3	0.1	1.2	28	1.6	14.9	34.4	18.2
AG2002	59.6	1	2.8	1.3	34	1.5	13.6	34.6	18.1
M00-530039	54.6	2	-3.8	1.3	29	1.6	16.9	34.4	18.1
SD03-2768R	50.7	9	-3.2	1.4	30	1.5	16.6	33.2	18.7
SD04R-2700	52.2	6	-2.7	1.3	32	1.5	16.4	34.9	17.9
SD05R-4526	51.6	8	-2.0	1.6	34	1.7	15.2	34.5	18.2
SD05R-4608	53.3	4	-3.3	1.6	32	1.8	16.2	34.0	18.2
SD05R-5866	52.1	7	-5.7	1.4	29	1.9	17.4	34.2	18.3

123.8 Days After Planting

UNIFORM TEST I Roundup-Ready, 2009

YIELD (bu/a)

Strain	Mean 11 Tests	Lafayette IN	Wanatah IN	Ingham County MI	Saginaw County MI	Lamberton MN	Waseca MN
SD1161RR/(SCN)	53.7	36.5	41.3	47.1	53.2	60.7	55.8
SD1111RR (E)	51.2	37.8	32.9	55.7	46.4	62.8	54.8
U03-820038 (SCN)	55.8	41.1	43.2	59.8	48.1	58.7	61.1
AG2002	62.2	47.2	50.8	66.4	46.9	75.1	70.8
M00-530039	54.1	44.4	34.9	60.4	43.8	54.1	52.8
SD03-2768R	51.1	38.1	40.8	33.4	49.2	52.9	59.6
SD04R-2700	52.9	38.0	37.9	55.4	47.6	56.0	61.2
SD05R-4526	53.2	44.4	40.1	38.6	47.8	58.9	62.3
SD05R-4608	56.2	44.2	39.4	54.7	47.6	63.2	63.2
SD05R-5866	54.7	43.0	30.8	55.7	50.3	60.4	62.4
SD06R-1780	53.1	39.8	38.9	57.4	43.4	57.0	58.2
SD06R-1917	50.8	40.8	36.1	52.2	38.8	51.4	57.2
SD06R-2545	53.1	40.2	39.8	59.0	40.7	60.8	56.0
SD06R-3612	49.6	41.9	31.5	48.3	37.2	53.5	56.9
SD06R-3650	48.7	38.6	33.9	50.8	41.3	51.4	52.9
SD06R-4518	51.2	33.6	34.6	44.8	48.1	53.2	56.3
SD06R-5042	49.3	40.7	38.2	46.1	44.6	54.0	54.5
SD06R-5123	53.1	42.9	35.7	52.1	45.5	59.4	63.4
SD06R-5528	53.3	36.4	36.2	36.4	46.0	68.9	63.7
SD06R-5663	53.0	38.4	31.5	56.5	42.8	54.3	65.8
SD06R-5684	53.7	36.9	33.3	62.4	49.0	56.6	59.6
SD06R-5819	51.4	33.3	35.1	52.2	44.7	56.0	63.2
U07-135601R	61.0	40.7	44.6	61.9	50.6	66.8	69.3
U07-136210R	57.1	42.7	38.5	59.5	46.0	59.7	69.1
Location Mean		40.1	37.5	52.8	45.8	58.6	60.4
C.V. (%)		12.3	6.4	13.0	11.0	11.1	10.5
L.S.D. (5%)		8.7	5.8	11.8	8.6	10.8	10.4
Row Sp. (In.)		30	30	15	15	10	10
Rows/Plot		4	4	6	6	10	10
Reps		3	3	2	2	3	3

UNIFORM TEST I Roundup-Ready, 2009

YIELD (bu/a)

Strain	Beemer NE	Cotesfield NE	Phillips NE	Aurora SD	St. Hyacinthe Que.
SD1161RR/(SCN)	54.2	70.5	78.3	38.9	54.4
SD1111RR (E)	49.7	59.5	73.8	36.5	52.8
U03-820038 (SCN)	62.7	74.3	69.3	42.5	53.4
AG2002	66.9	78.4	83.7	37.8	59.8
M00-530039	58.7	80.0	75.6	38.7	52.0
SD03-2768R	48.9	67.6	77.0	41.1	53.8
SD04R-2700	54.6	63.5	75.6	38.7	53.2
SD05R-4526	55.7	68.6	73.2	41.7	53.7
SD05R-4608	53.7	75.6	83.1	37.5	56.0
SD05R-5866	57.0	70.0	79.1	39.2	54.3
SD06R-1780	51.4	71.4	76.4	36.9	53.6
SD06R-1917	45.0	67.0	80.5	34.5	54.9
SD06R-2545	52.7	70.1	74.0	38.8	52.4
SD06R-3612	54.5	67.2	67.4	36.1	51.1
SD06R-3650	46.8	66.3	66.1	38.1	49.0
SD06R-4518	52.2	65.3	80.5	36.7	57.7
SD06R-5042	53.9	59.4	64.8	35.6	50.8
SD06R-5123	53.1	66.0	75.4	36.6	53.9
SD06R-5528	51.0	72.6	86.6	36.2	52.3
SD06R-5663	51.7	67.9	84.1	38.0	52.4
SD06R-5684	51.9	66.8	84.4	34.2	55.8
SD06R-5819	51.9	64.0	77.5	37.8	50.2
U07-135601R	65.6	81.4	92.4	40.3	57.0
U07-136210R	56.8	75.5	79.3	45.8	54.7
Location Mean	54.2	69.5	77.4	38.3	53.7
C.V. (%)	9.1	4.0	7.2	9.5	3.4
L.S.D. (5%)	12.1	6.9	13.7	5.9	2.5
Row Sp. (In.)	30	30	30	30	15
Rows/Plot	4	4	4	4	4
Reps	2	2	2	3	3

UNIFORM TEST I Roundup-Ready, 2009

YIELD RANK

Strain	Yield Rank	Lafayette IN	Wanatah IN	Ingham County MI	Saginaw County MI	Lamberton MN	Waseca MN
SD1161RR/(SCN)	8	21	4	19	1	7	20
SD1111RR (E)	18	19	21	10	12	5	21
U03-820038 (SCN)	5	9	3	5	6	12	12
AG2002	1	1	1	1	11	1	1
M00-530039	7	2	17	4	18	18	24
SD03-2768R	20	17	5	24	4	22	13
SD04R-2700	16	18	12	12	9	15	11
SD05R-4526	11	2	6	22	8	11	10
SD05R-4608	4	4	8	13	10	4	7
SD05R-5866	6	5	24	11	3	8	9
SD06R-1780	12	14	9	8	19	13	15
SD06R-1917	21	10	14	14	23	23	16
SD06R-2545	12	13	7	7	22	6	19
SD06R-3612	22	8	22	18	24	20	17
SD06R-3650	24	15	19	17	21	23	23
SD06R-4518	18	23	18	21	7	21	18
SD06R-5042	23	11	11	20	17	19	22
SD06R-5123	12	6	15	16	15	10	6
SD06R-5528	10	22	13	23	13	2	5
SD06R-5663	15	16	22	9	20	17	4
SD06R-5684	8	20	20	2	5	14	13
SD06R-5819	17	24	16	15	16	15	7
U07-135601R	2	11	2	3	2	3	2
U07-136210R	3	7	10	6	14	9	3

UNIFORM TEST I Roundup-Ready, 2009

YIELD RANK

Strain	Beemer NE	Cotesfield NE	Phillips NE	Aurora SD	St. Hyacinthe Que.
SD1161RR/(SCN)	10	9	11	7	8
SD1111RR (E)	21	23	19	19	16
U03-820038 (SCN)	3	6	21	2	14
AG2002	1	3	5	13	1
M00-530039	4	2	15	10	20
SD03-2768R	22	14	13	4	11
SD04R-2700	8	22	16	9	15
SD05R-4526	7	12	20	3	12
SD05R-4608	12	4	6	15	4
SD05R-5866	5	11	10	6	9
SD06R-1780	19	8	14	16	13
SD06R-1917	24	16	7	23	6
SD06R-2545	14	10	18	8	18
SD06R-3612	9	15	22	21	21
SD06R-3650	23	18	23	11	24
SD06R-4518	15	20	8	17	2
SD06R-5042	11	24	24	22	22
SD06R-5123	13	19	17	18	10
SD06R-5528	20	7	2	20	19
SD06R-5663	18	13	4	12	17
SD06R-5684	16	17	3	24	5
SD06R-5819	17	21	12	13	23
U07-135601R	2	1	1	5	3
U07-136210R	6	5	9	1	7

UNIFORM TEST I Roundup-Ready, 2009

MATURITY (date)

Strain	Mean 10 Tests	Lafayette IN	Wanatah IN	Ingham County MI	Saginaw County MI	Lamberton MN	Waseca MN
SD1161RR/(SCN)	9/21	9/15	9/13	9/20	9/19	9/22	9/28
SD1111RR (E)	-5.6	-7	-7	-1	-3	-3	-7
U03-820038 (SCN)	-0.2	-1	1	4	0	-1	-6
AG2002	2.2	0	1	7	1	1	-1
M00-530039	-4.6	-5	-7	0	-2	-4	-9
SD03-2768R	-3.6	-2	-5	-2	-3	-2	-6
SD04R-2700	-3.8	-2	-4	2	-3	-4	-7
SD05R-4526	-2.8	-2	0	-1	-2	-3	-7
SD05R-4608	-4.3	-3	-5	1	-3	-5	-8
SD05R-5866	-6.0	-5	-9	-2	-4	-4	-8
SD06R-1780	-2.6	-1	-1	2	-1	-4	-8
SD06R-1917	-5.6	-4	-4	-3	-3	-5	-9
SD06R-2545	-1.4	-1	1	1	1	-3	-7
SD06R-3612	-5.2	-6	-7	-2	-4	-7	-8
SD06R-3650	-4.8	-9	-4	-1	-1	-4	-7
SD06R-4518	-3.7	-3	-3	1	-3	-4	-9
SD06R-5042	-4.2	-4	-5	-1	-4	-4	-8
SD06R-5123	-4.4	-3	-5	-1	-1	-4	-7
SD06R-5528	-5.1	-4	-5	-3	-4	-4	-8
SD06R-5663	-4.7	-5	-7	-1	-3	-4	-8
SD06R-5684	-4.2	-4	-5	-1	-2	-5	-9
SD06R-5819	-4.9	-4	-5	-2	-2	-4	-10
U07-135601R	1.5	1	0	7	1	1	-3
U07-136210R	-1.1	-2	1	4	0	0	-8
Date Planted	5/18	5/19	5/19	5/20	5/21	5/7	5/12
Days to Mature	126	119	117	123	121	138	139

UNIFORM TEST I Roundup-Ready, 2009

MATURITY (date)

Strain	Beemer NE	Cotesfield NE	Phillips NE	Aurora SD	St. Hyacinthe Que.
SD1161RR/(SCN)		9/23	9/16	10/1	9/29
SD1111RR (E)		-6	-5	-14	-3
U03-820038 (SCN)		0	0	-3	4
AG2002		2	3	1	7
M00-530039		-3	0	-10	-6
SD03-2768R		0	-1	-13	-2
SD04R-2700		-3	-4	-10	-3
SD05R-4526		-3	-2	-5	-3
SD05R-4608		-5	-5	-6	-4
SD05R-5866		-7	-5	-10	-6
SD06R-1780		-1	-2	-6	-4
SD06R-1917		-5	-5	-14	-4
SD06R-2545		0	-2	-6	2
SD06R-3612		-3	-3	-9	-3
SD06R-3650		-5	-3	-8	-6
SD06R-4518		-5	-4	-5	-2
SD06R-5042		-4	0	-6	-6
SD06R-5123		-5	-5	-6	-7
SD06R-5528		-5	-4	-9	-5
SD06R-5663		-5	-4	-6	-4
SD06R-5684		-4	-4	-5	-3
SD06R-5819		-5	-4	-6	-7
U07-135601R		2	0	0	6
U07-136210R		-2	0	-3	-1
Date Planted	5/28	5/19	5/18	5/19	5/15
Days to Mature		127	121	135	137

UNIFORM TEST I Roundup-Ready, 2009

LODGING (score)

Strain	Mean 10 Tests	Lafayette IN	Wanatah IN	Ingham County MI	Saginaw County MI	Lamberton MN	Waseca MN
SD1161RR/(SCN)	1.1	1.0	1.0	1.0	1.0	1.0	2.0
SD1111RR (E)	1.2	1.0	1.0	1.5	1.5	1.3	2.0
U03-820038 (SCN)	1.1	1.0	1.0	1.0	1.0	1.0	2.0
AG2002	1.2	1.0	1.0	1.0	1.0	2.0	2.0
M00-530039	1.1	1.0	1.0	1.0	1.0	1.3	2.0
SD03-2768R	1.2	1.0	1.0	1.0	1.0	2.0	2.0
SD04R-2700	1.1	1.0	1.0	1.0	1.0	1.0	2.0
SD05R-4526	1.2	1.0	1.0	1.0	1.5	1.3	2.0
SD05R-4608	1.3	1.0	1.0	1.5	1.0	1.3	2.0
SD05R-5866	1.2	1.0	1.0	1.5	1.0	1.3	2.0
SD06R-1780	1.1	1.0	1.0	1.0	1.0	1.0	2.0
SD06R-1917	1.2	1.0	1.0	1.0	1.0	1.3	2.0
SD06R-2545	1.2	1.0	1.0	2.0	1.0	1.3	2.0
SD06R-3612	1.2	1.0	1.0	1.0	1.0	1.0	2.0
SD06R-3650	1.1	1.0	1.0	1.0	1.0	1.0	2.0
SD06R-4518	1.1	1.0	1.0	1.0	1.0	1.3	2.0
SD06R-5042	1.5	1.0	1.0	1.0	1.0	1.7	2.3
SD06R-5123	1.1	1.0	1.0	1.0	1.0	1.0	2.0
SD06R-5528	1.3	1.0	1.0	1.0	1.5	1.7	2.0
SD06R-5663	1.2	1.0	1.0	1.0	1.0	1.7	2.0
SD06R-5684	1.6	1.0	1.0	2.0	2.0	2.0	2.3
SD06R-5819	1.7	1.0	1.0	1.5	1.5	2.0	2.0
U07-135601R	1.2	1.0	1.0	1.5	1.0	1.0	2.0
U07-136210R	1.2	1.0	1.0	1.5	1.0	1.7	2.0

UNIFORM TEST I Roundup-Ready, 2009

LODGING (score)

Strain	Beemer NE	Cotesfield NE	Phillips NE	Aurora SD	St. Hyacinthe Que.
SD1161RR/(SCN)		1.0	1.0	1.0	1.0
SD1111RR (E)		1.0	1.0	1.0	1.0
U03-820038 (SCN)		1.0	1.0	1.0	1.0
AG2002		1.0	1.0	1.0	1.0
M00-530039		1.0	1.0	1.0	1.0
SD03-2768R		1.0	1.0	1.0	1.0
SD04R-2700		1.0	1.0	1.0	1.0
SD05R-4526		1.5	1.0	1.0	1.0
SD05R-4608		1.5	1.0	2.0	1.0
SD05R-5866		1.0	1.0	1.0	1.0
SD06R-1780		1.0	1.0	1.0	1.0
SD06R-1917		1.0	1.0	2.0	1.0
SD06R-2545		1.0	1.0	1.0	1.0
SD06R-3612		1.5	1.0	1.0	1.0
SD06R-3650		1.0	1.0	1.0	1.0
SD06R-4518		1.0	1.0	1.0	1.0
SD06R-5042		3.0	2.0	1.0	1.0
SD06R-5123		1.0	1.0	1.0	1.0
SD06R-5528		1.0	2.0	1.0	1.0
SD06R-5663		1.0	1.0	1.0	1.0
SD06R-5684		2.0	2.0	1.0	1.0
SD06R-5819		3.0	2.0	2.0	1.0
U07-135601R		1.0	1.0	1.0	1.0
U07-136210R		1.0	1.0	1.0	1.0

UNIFORM TEST I Roundup-Ready, 2009

PLANT HEIGHT (inches)

Strain	Mean 7 Tests	Lafayette IN	Wanatah IN	Ingham County MI	Saginaw County MI	Lamberton MN	Waseca MN
SD1161RR/(SCN)	26	24	29	22	23		27
SD1111RR (E)	29	26	30	27	26		32
U03-820038 (SCN)	28	24	27	24	26		29
AG2002	32	28	30	31	32		37
M00-530039	28	24	28	26	26		29
SD03-2768R	28	25	30	23	24		28
SD04R-2700	31	28	30	29	33		35
SD05R-4526	33	30	32	25	33		37
SD05R-4608	32	28	32	28	28		36
SD05R-5866	28	25	28	25	26		30
SD06R-1780	30	27	29	28	29		30
SD06R-1917	27	25	28	23	25		27
SD06R-2545	29	27	29	28	28		32
SD06R-3612	31	27	31	28	26		33
SD06R-3650	29	23	29	27	25		30
SD06R-4518	30	26	30	25	32		31
SD06R-5042	27	26	30	23	24		28
SD06R-5123	27	24	27	22	24		33
SD06R-5528	30	26	30	26	32		32
SD06R-5663	29	25	29	27	26		33
SD06R-5684	32	28	31	30	37		33
SD06R-5819	31	27	32	25	31		31
U07-135601R	29	25	27	26	30		31
U07-136210R	30	28	27	30	29		33

UNIFORM TEST I Roundup-Ready, 2009

PLANT HEIGHT (inches)

Strain	Beemer NE	Cotesfield NE	Phillips NE	Aurora SD	St. Hyacinthe Que.
SD1161RR/(SCN)				30	27
SD1111RR (E)				29	32
U03-820038 (SCN)				33	32
AG2002				33	33
M00-530039				34	28
SD03-2768R				35	31
SD04R-2700				32	33
SD05R-4526				40	35
SD05R-4608				38	31
SD05R-5866				33	28
SD06R-1780				33	32
SD06R-1917				30	30
SD06R-2545				31	29
SD06R-3612				39	33
SD06R-3650				37	29
SD06R-4518				33	32
SD06R-5042				34	26
SD06R-5123				30	28
SD06R-5528				34	30
SD06R-5663				29	31
SD06R-5684				33	34
SD06R-5819				39	31
U07-135601R				32	31
U07-136210R				31	31

UNIFORM TEST I Roundup-Ready, 2009

SEED QUALITY (score)

Strain	Mean 6 Tests	Lafayette IN	Wanatah IN	Ingham County MI	Saginaw County MI	Lamberton MN	Waseca MN
SD1161RR/(SCN)	1.5	1.0	1.0			2.5	1.5
SD1111RR (E)	1.4	1.0	1.0			2.5	1.0
U03-820038 (SCN)	1.5	1.0	1.0			2.0	1.0
AG2002	1.4	1.0	1.0			2.0	1.5
M00-530039	1.5	1.0	1.0			2.5	1.5
SD03-2768R	1.4	1.0	1.0			2.0	1.5
SD04R-2700	1.4	1.0	1.0			2.0	1.5
SD05R-4526	1.8	1.0	1.0			3.0	1.5
SD05R-4608	1.6	1.0	1.0			3.0	1.5
SD05R-5866	1.8	1.0	1.0			3.0	2.5
SD06R-1780	1.7	1.0	1.0			2.0	2.0
SD06R-1917	1.7	1.0	1.0			2.0	2.0
SD06R-2545	1.6	1.0	1.0			2.0	1.5
SD06R-3612	1.5	1.0	1.0			2.5	1.5
SD06R-3650	1.6	1.0	1.0			2.0	1.5
SD06R-4518	1.6	1.0	1.0			2.5	2.0
SD06R-5042	1.7	1.0	1.0			2.5	1.5
SD06R-5123	1.8	1.0	1.0			3.0	1.5
SD06R-5528	1.7	1.0	1.0			3.0	2.0
SD06R-5663	1.7	1.0	1.0			3.5	1.5
SD06R-5684	1.5	1.0	1.0			3.0	2.0
SD06R-5819	1.6	1.0	1.0			2.5	2.0
U07-135601R	1.6	1.0	1.0			3.0	1.5
U07-136210R	1.4	1.0	1.0			2.0	1.5

UNIFORM TEST I Roundup-Ready, 2009

SEED QUALITY (score)

Strain	Beemer NE	Cotesfield NE	Phillips NE	Aurora SD	St. Hyacinthe Que.
SD1161RR/(SCN)				2.0	1.0
SD1111RR (E)				2.0	1.0
U03-820038 (SCN)				2.0	2.0
AG2002				1.0	2.0
M00-530039				2.0	1.0
SD03-2768R				2.0	1.0
SD04R-2700				1.0	2.0
SD05R-4526				2.0	2.0
SD05R-4608				2.0	1.0
SD05R-5866				2.0	1.0
SD06R-1780				2.0	2.0
SD06R-1917				2.0	2.0
SD06R-2545				2.0	2.0
SD06R-3612				2.0	1.0
SD06R-3650				2.0	2.0
SD06R-4518				2.0	1.0
SD06R-5042				2.0	2.0
SD06R-5123				2.0	2.0
SD06R-5528				2.0	1.0
SD06R-5663				2.0	1.0
SD06R-5684				1.0	1.0
SD06R-5819				2.0	1.0
U07-135601R				1.0	2.0
U07-136210R				1.0	2.0

UNIFORM TEST I Roundup-Ready, 2009

SEED SIZE (g/100)

Strain	Mean 8 Tests	Lafayette IN	Wanatah IN	Ingham County MI	Saginaw County MI	Lamberton MN	Waseca MN
SD1161RR/(SCN)	16.6			17.5	16.2	15.1	17.0
SD1111RR (E)	15.3			15.5	14.8	15.7	16.2
U03-820038 (SCN)	15.5			17.2	15.1	15.1	16.7
AG2002	14.0			15.2	13.0	15.1	15.7
M00-530039	17.4			18.4	15.5	17.9	17.6
SD03-2768R	17.2			16.1	15.9	16.6	18.2
SD04R-2700	17.1			18.7	16.1	17.2	18.0
SD05R-4526	15.2			15.4	14.2	17.0	16.6
SD05R-4608	16.7			17.2	14.3	16.6	17.3
SD05R-5866	18.1			18.9	15.3	18.8	19.3
SD06R-1780	16.6			16.6	15.0	17.6	16.8
SD06R-1917	16.8			17.6	14.7	16.7	17.9
SD06R-2545	14.5			15.4	13.2	15.3	15.5
SD06R-3612	14.5			14.9	13.5	15.5	16.2
SD06R-3650	14.5			15.0	14.3	14.3	15.9
SD06R-4518	18.2			18.0	16.2	18.8	19.1
SD06R-5042	17.0			18.7	15.4	17.6	17.8
SD06R-5123	17.0			18.5	14.3	17.6	17.9
SD06R-5528	16.0			16.5	14.7	16.1	16.7
SD06R-5663	16.1			16.0	13.9	16.8	17.6
SD06R-5684	17.0			17.2	15.1	17.2	18.6
SD06R-5819	17.1			17.9	15.6	18.3	18.7
U07-135601R	15.2			15.6	13.6	16.4	16.1
U07-136210R	14.4			15.9	12.5	15.4	15.9

UNIFORM TEST I Roundup-Ready, 2009

SEED SIZE (g/100)

Strain	Beemer NE	Cotesfield NE	Phillips NE	Aurora SD	St. Hyacinthe Que.
SD1161RR/(SCN)		18.0	17.5	17.9	13.4
SD1111RR (E)		16.7	17.2	13.1	13.3
U03-820038 (SCN)		17.0	16.1	13.8	13.0
AG2002		15.1	14.3	12.0	11.8
M00-530039		20.4	20.1	14.9	14.6
SD03-2768R		19.7	19.6	15.9	15.4
SD04R-2700		18.5	18.2	15.2	14.5
SD05R-4526		12.8	17.6	14.6	13.7
SD05R-4608		19.1	18.3	16.2	14.5
SD05R-5866		19.7	20.2	17.1	15.1
SD06R-1780		18.5	19.6	15.3	13.5
SD06R-1917		18.9	19.0	15.0	14.4
SD06R-2545		17.2	16.1	12.4	10.6
SD06R-3612		16.0	15.4	12.8	11.9
SD06R-3650		16.2	15.3	13.0	11.8
SD06R-4518		20.4	20.1	17.2	15.5
SD06R-5042		18.7	19.7	15.4	12.7
SD06R-5123		18.1	18.9	16.8	14.2
SD06R-5528		18.0	18.8	14.4	12.5
SD06R-5663		18.8	18.4	14.5	12.5
SD06R-5684		19.1	19.8	14.7	14.4
SD06R-5819		18.5	18.4	15.6	13.4
U07-135601R		17.4	16.3	13.7	12.3
U07-136210R		15.5	14.7	13.7	11.8

UNIFORM TEST I Roundup-Ready, 2009

PROTEIN (%)

Strain	Mean 6 Tests	Lamberton MN	Waseca MN	Ingham County MI	Phillips NE	Lafayette IN	Aurora SD
SD1161RR/(SCN)	34.6	33.3	33.6	35.0	35.8	34.6	35.3
SD1111RR (E)	33.9	33.0	34.2	34.8	34.6	33.5	33.1
U03-820038 (SCN)	34.6	33.6	34.3	35.6	35.0	35.0	34.0
AG2002	34.9	34.5	34.2	36.0	34.6	33.9	36.3
M00-530039	34.5	33.6	34.3	35.1	35.8	33.6	34.7
SD03-2768R	33.5	32.0	31.4	34.0	35.8	34.3	33.8
SD04R-2700	34.9	34.5	36.0	35.1	35.2	33.7	34.8
SD05R-4526	34.6	34.3	34.3	34.7	35.1	34.4	34.6
SD05R-4608	33.7	33.1	33.5	33.9	34.2	33.5	33.8
SD05R-5866	34.2	34.1	33.9	35.0	34.4	33.3	34.3
SD06R-1780	34.8	34.4	34.8	35.5	35.8	34.5	33.7
SD06R-1917	34.6	34.2	35.0	35.4	35.8	33.8	33.6
SD06R-2545	33.6	33.5	33.6	34.6	34.0	33.7	32.2
SD06R-3612	34.6	34.8	35.1	35.5	35.7	33.2	33.0
SD06R-3650	34.5	33.8	34.4	35.0	35.4	34.8	33.9
SD06R-4518	34.5	33.6	34.4	35.1	34.9	33.9	35.2
SD06R-5042	34.7	34.3	34.3	35.3	35.7	33.8	34.6
SD06R-5123	34.7	33.9	34.7	34.9	35.9	33.6	35.0
SD06R-5528	34.0	33.5	34.7	34.1	34.7	33.5	33.4
SD06R-5663	34.6	34.4	34.0	35.1	34.9	33.6	35.4
SD06R-5684	35.1	34.6	34.9	36.4	36.3	34.3	33.9
SD06R-5819	35.1	34.3	34.6	35.9	35.1	35.1	35.7
U07-135601R	34.4	33.3	34.3	34.7	34.7	34.2	35.0
U07-136210R	35.1	35.4	35.2	35.2	35.0	34.8	34.8

* Protein and Oil values converted to 13% moisture basis.

UNIFORM TEST I Roundup-Ready, 2009

OIL (%)

Strain	Mean 6 Tests	Lamberton MN	Waseca MN	Ingham County MI	Phillips NE	Lafayette IN	Aurora SD
SD1161RR/(SCN)	17.9	18.5	17.8	16.8	18.4	17.8	17.8
SD1111RR (E)	18.7	19.2	19.0	18.4	18.5	18.6	18.6
U03-820038 (SCN)	18.0	18.5	17.6	17.4	18.3	18.1	18.0
AG2002	17.9	18.0	18.1	18.3	18.2	18.1	16.8
M00-530039	17.9	18.7	17.5	16.5	18.9	17.8	18.3
SD03-2768R	18.4	19.3	18.2	17.5	18.7	18.3	18.4
SD04R-2700	17.7	17.5	18.1	16.2	18.1	17.8	18.2
SD05R-4526	18.0	18.1	17.8	17.0	18.7	17.9	18.7
SD05R-4608	18.1	18.9	17.9	17.3	18.5	18.2	17.6
SD05R-5866	17.6	18.5	17.9	17.2	18.2	16.5	17.6
SD06R-1780	17.6	18.0	16.9	16.8	18.1	17.7	18.2
SD06R-1917	17.3	17.3	17.0	16.1	17.3	18.5	17.4
SD06R-2545	18.0	18.3	17.8	17.1	18.3	18.2	18.6
SD06R-3612	18.3	18.9	17.7	16.8	18.7	18.6	19.0
SD06R-3650	18.1	18.2	17.8	17.2	19.2	18.7	17.6
SD06R-4518	17.9	19.3	18.1	17.4	18.6	17.2	17.0
SD06R-5042	17.7	18.8	17.1	16.9	17.7	18.6	17.0
SD06R-5123	17.7	18.0	17.5	17.4	18.7	17.8	16.8
SD06R-5528	17.9	18.4	17.7	17.6	18.2	17.8	18.0
SD06R-5663	17.9	18.4	17.6	16.9	18.3	18.5	17.8
SD06R-5684	17.2	18.2	17.6	16.0	16.9	17.4	17.4
SD06R-5819	16.9	17.4	16.6	16.1	17.6	18.0	15.6
U07-135601R	17.9	18.5	18.1	17.3	18.0	18.2	17.5
U07-136210R	17.4	18.2	17.1	16.3	17.4	17.7	17.4

Uniform Test II Roundup-Ready, 2009

Ent.	Strain	Parentage	Seed Source	Previous Testing	Gen. Comp.	Unique Traits
1.	AG2403 (II)	na	Monsanto	4		
2.	AG2002	na	Monsanto	2		
3.	AG2607	replaces AG2603	Monsanto	new		
4.	NEX2905A0R (L)		Graef	4		Det.
5.	SD(LD)05-16121	APX04-76-6 x SD01-76R	Scott	1		RR, Rag1
6.	SD05R-2932	SD99-011R x Pion 9233	Scott	1	F5	RR
7.	SD05R-4555	SD1081RR x Pion 9233	Scott	1	F5	RR
8.	SD06R-53	MN1803RR x Pion 9092	Green	new	F5	
9.	SD06R-729	Unknown x MN1504RR	Green	new	F5	
10.	SD06R-1284	SD99-469 x SD00R-017-18	Green	new	F5	
11.	SD06R-1552	M96-335009 x SD00-805R	Green	new	F5	
12.	SD06R-1598	A01-410009 x SDX00R-039-47	Green	new	F5	
13.	SD06R-2353	SD99-1530 x SDX00R-017-18	Green	new	F5	
14.	SD06R-2645	LG98-1445 x SDX00R-035-24	Green	new	F5	
15.	SD06R-2651	LG98-1445 x SDX00R-035-24	Green	new	F5	
16.	SD06R-3631	SDX00R-035-1 x SDX00R-036-9	Green	new	F5	Rps 1k
17.	SD06R-3665	SDX00R-035-24 x SDX00R-030-47	Green	new	F5	Rps 1c
18.	SD06R-3887	SDX00R-15-49 x SDX00R-015-44	Green	new	F5	
19.	SD06R-5457	(HEN BC2 x SD93-828E) x SD10	Green	new	F5	
20.	U03-825124	na	Graef	2	F5	IDC,BSR?
21.	U05-805032R	na	Graef	PTIIRR	F4	White mold, Rps1-k
22.	U06-818219R	na	Graef	PTIIRR	F5	RR,, SCN
23.	U06-830260R	na	Graef	PTIIRR	F6	SCN,STS,RC,IDC
24.	U07-135478R	na	Graef	new	F4	RR, SCN?, dt
25.	U07-135636R	na	Graef	new	F4	RR, SCN?, dt
26.	U07-135912R	na	Graef	new	F4	RR, IDC, dt
27.	U07-136177R	na	Graef	new	F4	RR, IDC, dt
28.	U07-236993R	na	Graef	new	F4	RR, SCN?, dt
29.	U07-237058R	na	Graef	new	F5	RR, dt
30.	U07-237529R	na	Graef	new	F4	RR, IDC, dt
31.	U07-237734R	na	Graef	new	F4	RR, IDC
32.	U07-338147R	na	Graef	new	F4	RR, SCN?, dt
33.	U07-338580R	na	Graef	new	F4	RR, IDC, dt
34.	U07-338605R	na	Graef	new	F4	RR, IDC, dt
35.	U07-439042R	na	Graef	new	F4	RR, SCN?
36.	U08-712053R	na	Graef	new	F4	RR

UNIFORM TEST II Roundup-Ready, 2009

DESCRIPTIVE AND DISEASE DATA

Strain	Descriptive Code	<u>Shattering</u>	<u>Green Stem</u>	<u>PR</u>		<u>FE</u>	<u>SDS</u>
		Score Ashland KS	Score Wanatah IN	Lafayette Race 4	Race 7	Laf. a rx.	DX Havana IL
AG2403 (II)	PTTDYBII	1.0	1.0	R	R	S	35
AG2002	PTBDYBII	1.0	1.0	S	R	S	17
AG2607	PGTDY I	1.0	1.0	R	R	-	26
NEX2905A0R (L)	PGBDYIbD	1.0	1.0	S	S	S	9
SD(LD)05-16121	PGTDYIbI	1.0	1.0	S	S	S	21
SD05R-2932	PTTDYBrI	1.0	1.0	R*	R*	S	14
SD05R-4555	WGTDYY+BfI	1.0	1.0	S	S	S	22
SD06R-53	WGBDYBfI	1.0	1.0	S	S	S	11
SD06R-729	WGTDYBfI	1.0	1.0	S	S	S	14
SD06R-1284	WTTDYBII	2.0	1.0	R*	S	S	9
SD06R-1552	WTBDYGI	1.0	1.0	R*	R*	S	4
SD06R-1598	PGBDYIbI	1.0	1.0	R*	R*	S	2
SD06R-2353	WTBDYBII	1.0	1.0	S	S	S	7
SD06R-2645	WTBDYBr+BII	1.0	1.0	S	S	S	21
SD06R-2651	WTBDYBII	1.0	1.0	S	S	S	12
SD06R-3631	WGBDYBfI	1.0	1.0	R	S*	S	14
SD06R-3665	WGBDYBfI	1.0	1.0	S	S*	S	19
SD06R-3887	PGBSYBfI	1.0	1.0	S	S	S	5
SD06R-5457	PGBDYIYI	1.0	1.0	S	S	S	19
U03-825124	PT+GB+TDYBII	1.0	1.0	R*	R*	S	12
U05-805032R	PTBDYBII	2.0	1.0	R	R	S	12
U06-818219R	PLtTDYBII	1.0	1.0	R*	R*	-	1
U06-830260R	PGBDYIbI	1.0	1.0	R*	R*	S	16
U07-135478R	WTBDYBID	1.0	1.0	R*	R*	S	22
U07-135636R	WTTDYBID	1.0	1.0	R*	R*	S	46
U07-135912R	PTTDYBID	1.0	1.0	R*	R*	S	10
U07-136177R	P+WGTDYBfD	1.0	1.0	S	S	S	54
U07-236993R	WGTDYBfD	1.0	1.0	S	R*	S	39
U07-237058R	WTTDYBII	1.0	1.0	R*	R*	S	29
U07-237529R	PGBIYBfD	1.0	1.0	S	S	S	28
U07-237734R	PGTDYBfI	1.0	1.0	R*	R*	S	31
U07-338147R	PGBDYIbD	1.0	1.0	S	R*	S	41
U07-338580R	PGBDYIbD	1.0	1.0	S	S	S	37
U07-338605R	PGBDYBfD	1.0	1.0	S	S	S	18
U07-439042R	PGBIYIbI	1.0	1.0	S	S	S	36
U08-712053R	PTBDYBII	2.0	1.0	S	R*	S	37

PR: * = *P. sojae* inoc. Reaction NOT compatible with breeder's information about *Rps* Trait

FE: S = susceptible, - = lesions not detected, x = no data

UNIFORM TEST II Roundup-Ready, 2009

REGIONAL SUMMARY

No. of Tests Strain	Yield 10 bu/a	Rank 10 No.	Maturity 8 Date	Lodging 9 Score	Plant Height 7 In.	Seed Quality 5 Score	Seed Size 8 g/100	Composition	
								Protein 6 %	Oil 6 %
AG2403 (II)	59.9	17	9/20	1.2	30	1.4	17.5	34.2	17.7
AG2002	60.1	15	-1.3	1.2	33	1.4	14.8	34.8	17.7
AG2607	63.8	11	3.6	1.5	33	1.4	16.4	35.6	17.0
NEX2905A0R (L)	64.8	4	8.3	1.6	35	1.6	14.2	34.3	17.4
SD(LD)05-16121	58.2	18	-0.3	1.3	31	1.0	15.9	33.3	17.5
SD05R-2932	60.1	15	5.4	1.6	36	1.2	15.9	35.6	17.4
SD05R-4555	58.2	18	3.3	1.1	29	1.6	15.3	34.8	17.6
SD06R-53	53.5	26	-4.8	1.7	33	1.2	14.6	33.8	18.4
SD06R-729	53.7	24	-2.0	1.4	32	1.4	17.5	34.7	17.8
SD06R-1284	52.2	28	-1.3	1.3	33	1.6	18.1	34.2	17.9
SD06R-1552	51.8	30	-5.5	1.4	33	1.6	16.0	34.1	17.8
SD06R-1598	48.0	36	-6.6	1.3	29	1.4	15.5	34.7	17.6
SD06R-2353	49.6	33	-4.4	1.7	32	1.4	15.9	34.3	17.2
SD06R-2645	56.9	21	-0.6	1.1	32	1.6	16.6	34.5	17.7
SD06R-2651	55.7	22	-1.6	1.2	30	1.2	15.9	34.0	17.6
SD06R-3631	48.4	35	-6.8	1.7	34	1.4	15.2	34.6	17.8
SD06R-3665	53.5	26	-1.1	1.2	32	1.4	16.7	35.0	17.6
SD06R-3887	48.9	34	-3.4	1.3	29	1.4	15.1	34.1	18.1
SD06R-5457	52.5	28	-2.0	1.2	30	1.6	16.9	34.1	18.5
U03-825124	64.0	9	6.9	1.5	35	2.0	16.5	34.2	16.9
U05-805032R	64.4	7	7.1	1.4	35	1.8	15.4	32.8	17.0
U06-818219R	64.5	6	6.0	1.1	32	1.8	15.6	34.4	17.8
U06-830260R	63.9	10	2.9	1.2	32	1.6	16.6	34.7	17.6
U07-135478R	66.3	1	4.1	1.1	33	1.2	16.1	34.4	17.7
U07-135636R	65.8	2	4.0	1.4	37	1.8	17.4	33.6	17.9
U07-135912R	57.1	20	1.6	1.7	35	1.4	16.1	34.4	17.0
U07-136177R	54.5	23	-0.8	1.4	34	1.4	16.4	35.6	17.2
U07-236993R	65.7	3	4.8	1.5	33	1.8	13.9	33.5	18.0
U07-237058R	62.1	13	3.1	1.4	35	1.4	16.0	34.6	17.4
U07-237529R	51.1	32	3.9	1.8	35	1.6	17.4	36.5	17.2
U07-237734R	60.9	14	7.3	1.3	31	1.8	16.3	34.2	17.6
U07-338147R	64.6	5	6.9	1.4	32	1.6	16.9	33.5	17.3
U07-338580R	53.6	25	5.5	1.6	34	1.8	16.2	36.2	17.0
U07-338605R	51.6	31	8.9	1.9	36	2.0	17.7	35.1	17.3
U07-439042R	62.7	12	10.1	1.7	36	2.0	16.8	34.1	17.9
U08-712053R	64.1	8	3.9	1.2	30	1.4	16.2	34.3	14.6

122.6 Days After Planting

UNIFORM TEST II Roundup-Ready, 2009

2008-2009 2-YEAR MEAN

No. of Tests Strain	Yield 20 bu/a	Rank 20 No.	Maturity 17 Date	Lodging 18 Score	Plant Height 14 In.	Seed Quality 10 Score	Seed Size 18 g/100	Composition	
								Protein 10 %	Oil 10 %
AG2403 (II)	58.9	3	9/18	1.1	29	8.3	16.4	34.0	18.4
AG2002	57.5	4	-1.6	1.1	32	6.9	13.6	34.8	18.2
NEX2905A0R (L)	62.7	2	8.6	1.4	34	7.0	13.3	33.7	18.0
SD05R-4555	56.8	5	-0.5	1.2	31	7.4	14.8	33.4	18.3
U03-825124	63.4	1	6.6	1.3	33	8.7	16.0	33.5	18.1

119.9 Days After Planting

2007-2009 3-YEAR MEAN

No. of Tests Strain	Yield 32 bu/a	Rank 32 No.	Maturity 28 Date	Lodging 26 Score	Plant Height 24 In.	Seed Size 31 g/100	Seed Quality 22 Score	Composition	
								Protein 17 %	Oil 17 %
AG2403 (II)	58.3	3	9/17	1.2	29	1.9	16.5	34.1	18.6
AG2002	57.7	4	-1.8	1.3	33	1.8	13.7	34.7	18.2
NEX2905A0R (L)	60.8	2	8.1	1.5	35	1.8	13.4	33.5	18.1
U03-825124	62.1	1	6.1	1.3	33	2.0	16.0	33.4	18.2

120.3 Days After Planting

UNIFORM TEST II Roundup-Ready, 2009

YIELD (bu/a)

Strain	Mean 10 Tests	Urbana II	Lafayette IN	Wanatah IN	Ingham County MI	Lenawee County MI
AG2403 (II)	59.9	62.1	48.9	50.9	61.4	56.1
AG2002	60.1	63.1	50.0	55.0	65.5	61.7
AG2607	63.8	71.1	52.3	60.9	64.5	60.3
NEX2905A0R (L)	64.8	64.1	58.4	66.0	57.1	71.0
SD(LD)05-16121	58.2	55.7	47.6	51.8	54.5	56.4
SD05R-2932	60.1	61.5	56.9	52.6	58.8	64.3
SD05R-4555	58.2	54.6	48.9	48.3	49.7	62.2
SD06R-53	53.5	48.8	47.3	45.4	54.8	52.6
SD06R-729	53.7	55.3	46.1	47.1	46.3	59.0
SD06R-1284	52.2	51.9	40.6	44.5	53.9	54.7
SD06R-1552	51.8	49.7	41.5	43.8	54.9	57.6
SD06R-1598	48.0	50.8	36.7	39.6	46.9	49.8
SD06R-2353	49.6	47.9	44.3	41.1	39.9	53.2
SD06R-2645	56.9	59.6	45.0	47.3	53.8	58.8
SD06R-2651	55.7	56.9	48.7	43.6	56.9	61.1
SD06R-3631	48.4	46.7	40.2	40.7	52.6	52.3
SD06R-3665	53.5	56.8	40.0	42.7	50.3	58.5
SD06R-3887	48.9	49.5	37.0	43.9	33.4	47.3
SD06R-5457	52.5	51.6	39.9	45.6	45.4	53.1
U03-825124	64.0	65.0	54.1	59.6	54.7	65.6
U05-805032R	64.4	65.3	56.5	60.9	58.6	69.0
U06-818219R	64.5	69.1	58.2	56.6	62.6	66.9
U06-830260R	63.9	60.3	55.2	51.0	60.6	66.6
U07-135478R	66.3	67.1	55.0	59.1	58.7	70.7
U07-135636R	65.8	62.5	54.4	62.6	60.6	75.0
U07-135912R	57.1	54.6	47.6	51.2	57.6	61.6
U07-136177R	54.5	54.7	42.0	45.4	57.0	55.7
U07-236993R	65.7	65.5	54.4	60.4	60.7	75.0
U07-237058R	62.1	62.2	53.3	52.0	60.8	65.3
U07-237529R	51.1	48.1	45.3	49.7	51.1	56.9
U07-237734R	60.9	59.1	50.8	52.1	65.1	65.6
U07-338147R	64.6	63.6	61.9	52.3	66.9	64.6
U07-338580R	53.6	60.2	49.9	53.5	50.4	57.7
U07-338605R	51.6	59.8	52.8	49.9	48.3	54.8
U07-439042R	62.7	71.3	65.5	63.5	61.1	73.2
U08-712053R	64.1	63.5	51.6	54.6	59.3	64.0
Location Mean		58.1	48.9	50.8	55.1	60.6
C.V. (%)		6.8	10.2	9.6	10.9	5.6
L.S.D. (5%)		8.1	8.1	8.0	10.2	5.8
Row Sp. (In.)		30	30	30	15	15
Rows/Plot		4	4	4	6	6
Reps		2	3	3	2	2

*Data not included in mean.

UNIFORM TEST II Roundup-Ready, 2009

YIELD (bu/a)

Strain	Beemer NE	Cotesfield NE	Phillips NE	Aurora SD	Beresford SD
AG2403 (II)	62.6	86.4	74.9	42.0	53.9
AG2002	59.6	74.7	70.4	42.1	59.3
AG2607	69.8	77.2	76.6	41.0	64.2
NEX2905A0R (L)	70.4	81.3	87.0	32.2	60.2
SD(LD)05-16121	58.1	74.9	74.6	45.5	62.5
SD05R-2932	64.4	77.3	76.6	35.2	53.7
SD05R-4555	63.8	77.0	80.5	38.8	58.4
SD06R-53	56.8	61.3	77.2	40.1	51.1
SD06R-729	54.4	67.9	74.1	38.9	48.4
SD06R-1284	51.8	71.3	69.5	35.5	48.4
SD06R-1552	51.1	65.4	61.5	40.9	51.7
SD06R-1598	49.3	57.6	63.2	36.9	49.4
SD06R-2353	55.2	64.1	68.9	36.0	45.4
SD06R-2645	61.3	73.9	68.4	42.5	58.8
SD06R-2651	53.0	76.4	65.2	40.4	54.9
SD06R-3631	52.0	59.9	57.2	32.7	49.8
SD06R-3665	50.9	75.0	71.7	37.0	51.7
SD06R-3887	47.7	72.6	66.0	40.7	51.3
SD06R-5457	53.6	75.9	71.6	35.3	53.3
U03-825124	67.7	87.3	92.2	33.2	60.2
U05-805032R	67.1	86.2	85.0	37.1	58.6
U06-818219R	68.2	84.7	75.8	41.1	62.2
U06-830260R	65.7	88.1	91.9	37.1	62.6
U07-135478R	72.3	84.4	88.8	42.6	64.2
U07-135636R	71.0	82.6	88.6	42.5	58.5
U07-135912R	59.2	77.2	78.0	35.9	47.7
U07-136177R	58.8	69.9	77.8	32.9	50.7
U07-236993R	69.8	84.6	83.6	41.1	61.6
U07-237058R	65.8	85.6	84.8	35.4	55.9
U07-237529R	57.1	65.2	67.5	29.5	41.0
U07-237734R	67.7	82.7	77.2	33.8	55.0
U07-338147R	72.7	87.2	83.7	35.4	57.7
U07-338580R	57.1	57.5	70.4	30.4	49.2
U07-338605R	50.5	68.9	69.4	25.7	36.1
U07-439042R	64.9	76.7	67.8	28.9	53.6
U08-712053R	66.5	90.1	84.1	43.5	64.0
Location Mean	60.5	75.4	75.6	37.3	54.3
C.V. (%)	5.6	6.4	5.0	8.5	6.4
L.S.D. (5%)	8.3	12.1	9.2	5.2	5.7
Row Sp. (In.)	30	30	30	30	30
Rows/Plot	4	4	4	4	4
Reps	2	2	2	3	3

UNIFORM TEST II Roundup-Ready, 2009

YIELD RANK

Strain	Yield Rank	Urbana II	Lafayette IN	Wanatah IN	Ingham County MI	Lenawee County MI
AG2403 (II)	17	14	19	20	6	27
AG2002	15	11	17	10	2	16
AG2607	11	2	14	4	4	19
NEX2905A0R (L)	4	8	3	1	17	4
SD(LD)05-16121	18	23	22	17	23	26
SD05R-2932	15	15	5	13	13	13
SD05R-4555	18	27	19	23	30	15
SD06R-53	26	33	24	27	21	33
SD06R-729	24	24	25	25	33	20
SD06R-1284	28	28	31	29	24	30
SD06R-1552	30	31	30	31	20	24
SD06R-1598	36	30	36	36	32	35
SD06R-2353	33	35	28	34	35	31
SD06R-2645	21	19	27	24	25	21
SD06R-2651	22	21	21	32	19	18
SD06R-3631	35	36	32	35	26	34
SD06R-3665	26	22	33	33	29	22
SD06R-3887	34	32	35	30	36	36
SD06R-5457	28	29	34	26	34	32
U03-825124	9	7	11	7	22	9
U05-805032R	7	6	6	4	15	6
U06-818219R	6	3	4	9	5	7
U06-830260R	10	16	7	19	10	8
U07-135478R	1	4	8	8	14	5
U07-135636R	2	12	9	3	11	1
U07-135912R	20	26	22	18	16	17
U07-136177R	23	25	29	27	18	28
U07-236993R	3	5	9	6	9	1
U07-237058R	13	13	12	16	8	11
U07-237529R	32	34	26	22	27	25
U07-237734R	14	20	16	15	3	9
U07-338147R	5	9	2	14	1	12
U07-338580R	25	17	18	12	28	23
U07-338605R	31	18	13	21	31	29
U07-439042R	12	1	1	2	7	3
U08-712053R	8	10	15	11	12	14

UNIFORM TEST II Roundup-Ready, 2009

YIELD RANK

Strain	Beemer NE	Cotesfield NE	Phillips NE	Aurora SD	Beresford SD
AG2403 (II)	17	5	19	7	19
AG2002	19	23	24	6	10
AG2607	5	15	16	10	2
NEX2905A0R (L)	4	13	5	32	9
SD(LD)05-16121	22	22	20	1	5
SD05R-2932	15	14	17	27	20
SD05R-4555	16	17	11	16	14
SD06R-53	25	33	14	14	26
SD06R-729	27	29	21	15	32
SD06R-1284	31	26	26	23	31
SD06R-1552	32	30	35	11	24
SD06R-1598	35	35	34	20	29
SD06R-2353	26	32	28	21	34
SD06R-2645	18	24	29	4	11
SD06R-2651	29	19	33	13	18
SD06R-3631	30	34	36	31	28
SD06R-3665	33	21	22	19	23
SD06R-3887	36	25	32	12	25
SD06R-5457	28	20	23	26	22
U03-825124	8	3	1	29	8
U05-805032R	10	6	6	18	12
U06-818219R	7	8	18	8	6
U06-830260R	13	2	2	17	4
U07-135478R	2	10	3	3	1
U07-135636R	3	12	4	5	13
U07-135912R	20	16	12	22	33
U07-136177R	21	27	13	30	27
U07-236993R	6	9	10	9	7
U07-237058R	12	7	7	24	16
U07-237529R	23	31	31	34	35
U07-237734R	9	11	15	28	17
U07-338147R	1	4	9	24	15
U07-338580R	24	36	25	33	30
U07-338605R	34	28	27	36	36
U07-439042R	14	18	30	35	21
U08-712053R	11	1	8	2	3

UNIFORM TEST II Roundup-Ready, 2009

MATURITY (date)

Strain	Mean 8 Tests	Urbana IL	Lafayette IN	Wanatah IN	Ingham County MI	Lenawee County MI
AG2403 (II)	9/20	9/11	9/17	9/15	9/28	9/16
AG2002	-1.3	0	-3	-2	0	-2
AG2607	3.6	4	2	5	2	1
NEX2905A0R (L)	8.3	11	8	8	5	4
SD(LD)05-16121	-0.3	-1	1	0	-3	-3
SD05R-2932	5.4	5	6	6	3	3
SD05R-4555	3.3	1	2	5	0	4
SD06R-53	-4.8	-6	-4	-4	-7	-7
SD06R-729	-2.0	-1	-2	-1	-7	-4
SD06R-1284	-1.3	-1	0	1	-4	-3
SD06R-1552	-5.5	-5	-5	-4	-6	-7
SD06R-1598	-6.6	-6	-5	-6	-9	-6
SD06R-2353	-4.4	-3	-4	-3	-4	-7
SD06R-2645	-0.6	-1	0	0	-1	-2
SD06R-2651	-1.6	-1	-1	-1	-5	-3
SD06R-3631	-6.8	-4	-7	-7	-9	-6
SD06R-3665	-1.1	-1	-1	-1	-5	-1
SD06R-3887	-3.4	-2	-2	-3	-9	-6
SD06R-5457	-2.0	-3	-2	-1	-6	-3
U03-825124	6.9	8	8	8	5	5
U05-805032R	7.1	6	7	8	6	5
U06-818219R	6.0	5	7	7	4	5
U06-830260R	2.9	3	2	4	3	-1
U07-135478R	4.1	5	5	6	0	2
U07-135636R	4.0	3	1	5	3	4
U07-135912R	1.6	2	0	-1	-1	0
U07-136177R	-0.8	-1	-3	-1	-2	-1
U07-236993R	4.8	3	2	3	2	3
U07-237058R	3.1	4	2	2	1	2
U07-237529R	3.9	5	0	1	0	1
U07-237734R	7.3	6	5	7	4	6
U07-338147R	6.9	4	5	5	3	8
U07-338580R	5.5	7	3	4	1	5
U07-338605R	8.9	11	5	8	4	10
U07-439042R	10.1	11	10	10	5	11
U08-712053R	3.9	5	2	2	2	3
Date Planted	5/20	5/21	5/26	5/19	5/20	5/13
Days to Mature	123	113	114	119	131	126

UNIFORM TEST II Roundup-Ready, 2009

MATURITY (date)

Strain	Beemer NE	Cotesfield NE	Phillips NE	Aurora SD	Beresford SD
AG2403 (II)		9/26	9/19		10/2
AG2002		-2	-4		3
AG2607		4	3		8
NEX2905A0R (L)		11	8		11
SD(LD)05-16121		2	2		0
SD05R-2932		7	6		7
SD05R-4555		3	6		5
SD06R-53		-4	-6		0
SD06R-729		0	-4		3
SD06R-1284		0	-3		0
SD06R-1552		-3	-7		-7
SD06R-1598		-6	-8		-7
SD06R-2353		-2	-4		-8
SD06R-2645		-1	0		0
SD06R-2651		0	-2		0
SD06R-3631		-4	-7		-10
SD06R-3665		1	-1		0
SD06R-3887		-1	-4		0
SD06R-5457		1	-2		0
U03-825124		4	6		11
U05-805032R		8	9		8
U06-818219R		4	6		10
U06-830260R		5	4		3
U07-135478R		5	7		3
U07-135636R		7	5		
U07-135912R		5	3		5
U07-136177R		1	1		0
U07-236993R		8	6		11
U07-237058R		3	3		8
U07-237529R		12	4		8
U07-237734R		11	8		11
U07-338147R		11	9		10
U07-338580R		8	8		8
U07-338605R		14	10		9
U07-439042R		13	10		11
U08-712053R		5	4		8
Date Planted	5/28	5/19	5/18	5/19	5/26
Days to Mature		130			129

UNIFORM TEST II Roundup-Ready, 2009

LODGING (score)

Strain	Mean 9 Tests	Urbana II	Lafayette IN	Wanatah IN	Ingham County MI	Lenawee County MI
AG2403 (II)	1.2	1.3	1.0	1.0	1.0	1.0
AG2002	1.2	1.5	1.0	1.0	1.0	1.0
AG2607	1.5	2.0	1.0	1.0	1.5	1.0
NEX2905A0R (L)	1.6	3.0	1.0	1.0	1.5	1.0
SD(LD)05-16121	1.3	1.5	1.0	1.0	1.0	1.0
SD05R-2932	1.6	2.8	1.0	1.0	2.0	1.0
SD05R-4555	1.1	1.3	1.0	1.0	1.0	1.0
SD06R-53	1.7	2.3	1.0	1.0	1.5	2.0
SD06R-729	1.4	1.8	1.0	1.0	1.5	1.0
SD06R-1284	1.3	1.8	1.0	1.0	1.5	1.0
SD06R-1552	1.4	1.8	1.0	1.0	1.5	2.0
SD06R-1598	1.3	1.5	1.0	1.0	1.0	1.0
SD06R-2353	1.7	2.5	1.0	1.2	1.5	1.0
SD06R-2645	1.1	1.8	1.0	1.0	1.0	1.0
SD06R-2651	1.2	2.0	1.0	1.0	1.0	1.0
SD06R-3631	1.7	2.8	1.0	1.2	1.0	2.0
SD06R-3665	1.2	1.8	1.0	1.0	1.0	1.0
SD06R-3887	1.3	1.8	1.0	1.0	1.0	1.0
SD06R-5457	1.2	2.0	1.0	1.0	1.0	1.0
U03-825124	1.5	2.5	1.0	1.0	2.0	1.0
U05-805032R	1.4	1.8	1.0	1.0	1.5	1.0
U06-818219R	1.1	1.3	1.0	1.0	1.0	1.0
U06-830260R	1.2	2.0	1.0	1.0	1.0	1.0
U07-135478R	1.1	2.0	1.0	1.0	1.0	1.0
U07-135636R	1.4	2.8	1.0	1.0	1.5	1.0
U07-135912R	1.7	3.0	1.0	1.0	1.5	1.0
U07-136177R	1.4	3.0	1.0	1.0	1.5	1.0
U07-236993R	1.5	2.0	1.0	1.0	1.5	1.0
U07-237058R	1.4	2.8	1.0	1.0	1.5	1.0
U07-237529R	1.8	3.0	1.0	1.0	1.0	1.0
U07-237734R	1.3	1.8	1.0	1.0	1.0	1.0
U07-338147R	1.4	2.5	1.0	1.0	1.5	1.0
U07-338580R	1.6	2.0	1.0	1.0	1.0	1.0
U07-338605R	1.9	3.0	1.0	1.0	1.5	1.0
U07-439042R	1.7	3.0	1.0	1.0	1.5	1.0
U08-712053R	1.2	1.5	1.0	1.0	1.0	1.0

UNIFORM TEST II Roundup-Ready, 2009

LODGING (score)

Strain	Beemer NE	Cotesfield NE	Phillips NE	Aurora SD	Beresford SD
AG2403 (II)		1.0	1.5	1.0	2.0
AG2002		1.0	1.0	1.0	2.0
AG2607		1.0	1.0	2.0	3.0
NEX2905A0R (L)		2.0	1.5	1.0	2.0
SD(LD)05-16121		1.0	1.0	1.0	3.0
SD05R-2932		1.5	1.0	2.0	2.0
SD05R-4555		1.0	1.0	1.0	2.0
SD06R-53		2.5	1.0	2.0	2.0
SD06R-729		1.0	1.0	2.0	2.0
SD06R-1284		1.5	1.0	1.0	2.0
SD06R-1552		1.0	1.0	1.0	2.0
SD06R-1598		1.0	1.0	2.0	2.0
SD06R-2353		2.0	1.5	1.0	4.0
SD06R-2645		1.0	1.0	1.0	1.0
SD06R-2651		1.0	1.0	1.0	2.0
SD06R-3631		2.0	1.0	1.0	3.0
SD06R-3665		1.0	1.0	1.0	2.0
SD06R-3887		1.0	1.5	1.0	2.0
SD06R-5457		1.0	1.0	1.0	2.0
U03-825124		1.0	1.0	1.0	3.0
U05-805032R		2.0	1.5	2.0	1.0
U06-818219R		1.0	1.0	1.0	2.0
U06-830260R		1.0	1.0	1.0	2.0
U07-135478R		1.0	1.0	1.0	1.0
U07-135636R		1.0	1.0	1.0	2.0
U07-135912R		3.0	1.0	1.0	3.0
U07-136177R		1.5	1.0	1.0	2.0
U07-236993R		2.0	1.0	1.0	3.0
U07-237058R		1.0	1.5	1.0	2.0
U07-237529R		3.0	2.0	1.0	3.0
U07-237734R		2.0	1.0	1.0	2.0
U07-338147R		2.0	1.0	1.0	2.0
U07-338580R		2.5	1.5	1.0	3.0
U07-338605R		2.5	2.5	1.0	4.0
U07-439042R		2.5	1.0	2.0	2.0
U08-712053R		1.0	1.0	1.0	2.0

UNIFORM TEST II Roundup-Ready, 2009

PLANT HEIGHT (inches)

Strain	Mean 7 Tests	Urbana II	Lafayette IN	Wanatah IN	Ingham County MI	Lenawee County MI
AG2403 (II)	30	35	25	27	28	25
AG2002	33	34	28	30	27	32
AG2607	33	33	28	31	33	31
NEX2905A0R (L)	35	39	31	33	32	32
SD(LD)05-16121	31	36	26	30	26	23
SD05R-2932	36	41	31	34	34	34
SD05R-4555	29	33	25	27	24	26
SD06R-53	33	41	27	32	26	28
SD06R-729	32	35	27	29	28	25
SD06R-1284	33	36	27	32	30	28
SD06R-1552	33	36	29	34	29	28
SD06R-1598	29	31	26	28	23	23
SD06R-2353	32	34	28	32	27	29
SD06R-2645	32	33	28	31	32	30
SD06R-2651	30	33	27	28	28	25
SD06R-3631	34	41	30	35	27	29
SD06R-3665	32	36	28	32	26	28
SD06R-3887	29	34	25	30	19	22
SD06R-5457	30	32	26	31	26	26
U03-825124	35	38	32	34	32	33
U05-805032R	35	37	31	33	34	35
U06-818219R	32	36	30	28	32	28
U06-830260R	32	33	28	29	31	29
U07-135478R	33	36	28	32	30	29
U07-135636R	37	41	33	37	32	36
U07-135912R	35	36	31	37	31	34
U07-136177R	34	38	30	33	32	32
U07-236993R	33	36	26	33	30	31
U07-237058R	35	38	32	34	32	32
U07-237529R	35	39	30	38	29	33
U07-237734R	31	35	25	28	30	27
U07-338147R	32	34	28	29	32	30
U07-338580R	34	41	28	32	28	32
U07-338605R	36	41	31	34	32	38
U07-439042R	36	39	33	35	32	37
U08-712053R	30	33	26	29	28	28

UNIFORM TEST II Roundup-Ready, 2009

PLANT HEIGHT (inches)

Strain	Beemer NE	Cotesfield NE	Phillips NE	Aurora SD	Beresford SD
AG2403 (II)				37	31
AG2002				37	40
AG2607				37	41
NEX2905A0R (L)				37	42
SD(LD)05-16121				37	36
SD05R-2932				37	39
SD05R-4555				37	32
SD06R-53				37	43
SD06R-729				37	42
SD06R-1284				37	39
SD06R-1552				37	40
SD06R-1598				37	34
SD06R-2353				37	35
SD06R-2645				37	34
SD06R-2651				37	32
SD06R-3631				37	42
SD06R-3665				37	40
SD06R-3887				37	35
SD06R-5457				37	33
U03-825124				37	40
U05-805032R				37	38
U06-818219R				37	36
U06-830260R				37	40
U07-135478R				37	38
U07-135636R				37	45
U07-135912R				37	42
U07-136177R				37	39
U07-236993R				37	37
U07-237058R				37	41
U07-237529R				37	38
U07-237734R				34	39
U07-338147R				34	38
U07-338580R				37	38
U07-338605R				36	41
U07-439042R				37	41
U08-712053R				32	37

UNIFORM TEST II Roundup-Ready, 2009

SEED QUALITY (score)

Strain	Mean 5 Tests	Urbana II	Lafayette IN	Wanatah IN	Ingham County MI	Lenawee County MI
AG2403 (II)	1.4	1.0	1.0	1.0		
AG2002	1.4	1.0	1.0	1.0		
AG2607	1.4	1.0	1.0	1.0		
NEX2905A0R (L)	1.6	1.0	1.0	1.0		
SD(LD)05-16121	1.0	1.0	1.0	1.0		
SD05R-2932	1.2	1.0	1.0	1.0		
SD05R-4555	1.6	2.0	1.0	1.0		
SD06R-53	1.2	1.0	1.0	1.0		
SD06R-729	1.4	1.0	1.0	1.0		
SD06R-1284	1.6	1.0	1.0	1.0		
SD06R-1552	1.6	1.0	1.0	1.0		
SD06R-1598	1.4	1.0	1.0	1.0		
SD06R-2353	1.4	1.0	1.0	1.0		
SD06R-2645	1.6	2.0	1.0	1.0		
SD06R-2651	1.2	1.0	1.0	1.0		
SD06R-3631	1.4	2.0	1.0	1.0		
SD06R-3665	1.4	2.0	1.0	1.0		
SD06R-3887	1.4	1.0	1.0	1.0		
SD06R-5457	1.6	1.0	1.0	1.0		
U03-825124	2.0	1.0	1.0	1.0		
U05-805032R	1.8	1.0	1.0	1.0		
U06-818219R	1.8	1.0	1.0	1.0		
U06-830260R	1.6	1.0	1.0	1.0		
U07-135478R	1.2	1.0	1.0	1.0		
U07-135636R	1.8	1.0	1.0	1.0		
U07-135912R	1.4	1.0	1.0	1.0		
U07-136177R	1.4	1.0	1.0	1.0		
U07-236993R	1.8	1.0	1.0	1.0		
U07-237058R	1.4	1.0	1.0	1.0		
U07-237529R	1.6	1.0	1.0	1.0		
U07-237734R	1.8	1.0	1.0	1.0		
U07-338147R	1.6	1.0	1.0	1.0		
U07-338580R	1.8	1.0	1.0	1.0		
U07-338605R	2.0	1.0	1.0	1.0		
U07-439042R	2.0	1.0	1.0	1.0		
U08-712053R	1.4	1.0	1.0	1.0		

UNIFORM TEST II Roundup-Ready, 2009

SEED QUALITY (score)

Strain	Beemer NE	Cotesfield NE	Phillips NE	Aurora SD	Beresford SD
AG2403 (II)				3.0	1.0
AG2002				2.0	2.0
AG2607				2.0	2.0
NEX2905A0R (L)				3.0	2.0
SD(LD)05-16121				1.0	1.0
SD05R-2932				2.0	1.0
SD05R-4555				2.0	2.0
SD06R-53				1.0	2.0
SD06R-729				2.0	2.0
SD06R-1284				3.0	2.0
SD06R-1552				3.0	2.0
SD06R-1598				2.0	2.0
SD06R-2353				2.0	2.0
SD06R-2645				2.0	2.0
SD06R-2651				2.0	1.0
SD06R-3631				1.0	2.0
SD06R-3665				1.0	2.0
SD06R-3887				2.0	2.0
SD06R-5457				3.0	2.0
U03-825124				5.0	2.0
U05-805032R				4.0	2.0
U06-818219R				4.0	2.0
U06-830260R				3.0	2.0
U07-135478R				2.0	1.0
U07-135636R				4.0	2.0
U07-135912R				3.0	1.0
U07-136177R				2.0	2.0
U07-236993R				4.0	2.0
U07-237058R				2.0	2.0
U07-237529R				3.0	2.0
U07-237734R				4.0	2.0
U07-338147R				3.0	2.0
U07-338580R				4.0	2.0
U07-338605R				5.0	2.0
U07-439042R				5.0	2.0
U08-712053R				2.0	2.0

UNIFORM TEST II Roundup-Ready, 2009

SEED SIZE (g/100)

Strain	Mean 8 Tests	Urbana II	Lafayette IN	Wanatah IN	Ingham County MI	Lenawee County MI
AG2403 (II)	17.5	17.5			17.9	19.7
AG2002	14.8	13.9			16.0	16.4
AG2607	16.4	16.3			16.7	18.4
NEX2905A0R (L)	14.2	15.0			14.0	15.5
SD(LD)05-16121	15.9	15.0			15.0	17.4
SD05R-2932	15.9	16.2			16.3	17.1
SD05R-4555	15.3	13.8			14.2	18.6
SD06R-53	14.6	13.1			15.0	15.2
SD06R-729	17.5	16.3			16.7	19.0
SD06R-1284	18.1	17.1			17.4	20.0
SD06R-1552	16.0	14.0			15.7	18.2
SD06R-1598	15.5	14.6			15.4	17.6
SD06R-2353	15.9	14.4			14.8	17.7
SD06R-2645	16.6	16.7			16.6	17.9
SD06R-2651	15.9	15.0			16.5	17.7
SD06R-3631	15.2	15.2			15.9	17.7
SD06R-3665	16.7	16.7			17.4	18.4
SD06R-3887	15.1	12.9			15.1	17.3
SD06R-5457	16.9	15.8			16.4	20.3
U03-825124	16.5	16.5			16.5	16.8
U05-805032R	15.4	14.7			15.8	16.4
U06-818219R	15.6	15.1			15.7	16.5
U06-830260R	16.6	15.4			16.0	17.7
U07-135478R	16.1	16.0			15.9	17.5
U07-135636R	17.4	17.1			17.0	18.5
U07-135912R	16.1	14.8			16.8	17.2
U07-136177R	16.4	14.7			16.4	19.3
U07-236993R	13.9	13.4			12.9	15.5
U07-237058R	16.0	15.9			15.7	17.7
U07-237529R	17.4	16.5			17.3	20.3
U07-237734R	16.3	14.6			17.0	18.5
U07-338147R	16.9	16.9			16.3	19.7
U07-338580R	16.2	15.6			15.1	19.8
U07-338605R	17.7	18.9			17.4	21.3
U07-439042R	16.8	18.1			16.9	18.7
U08-712053R	16.2	15.9			15.3	17.1

UNIFORM TEST II Roundup-Ready, 2009

SEED SIZE (g/100)

Strain	Beemer NE	Cotesfield NE	Phillips NE	Aurora SD	Beresford SD
AG2403 (II)		18.4	17.1	15.0	16.7
AG2002		15.2	14.0	13.3	14.8
AG2607		16.0	16.3	14.8	16.2
NEX2905A0R (L)		15.6	14.6	11.0	13.8
SD(LD)05-16121		16.7	16.8	15.1	15.6
SD05R-2932		17.2	16.5	13.1	15.0
SD05R-4555		16.4	15.8	13.8	14.5
SD06R-53		16.2	15.9	12.6	14.5
SD06R-729		19.2	18.9	15.8	16.6
SD06R-1284		20.1	20.0	15.6	16.7
SD06R-1552		18.6	17.0	14.1	14.6
SD06R-1598		16.3	16.3	14.6	13.9
SD06R-2353		17.5	17.9	14.6	14.3
SD06R-2645		16.7	15.9	16.0	16.5
SD06R-2651		17.7	16.3	13.9	14.4
SD06R-3631		17.0	15.6	12.4	12.5
SD06R-3665		18.4	17.7	14.2	14.4
SD06R-3887		17.1	16.4	12.6	14.3
SD06R-5457		17.8	17.6	14.0	16.3
U03-825124		18.6	17.5	13.4	16.1
U05-805032R		17.2	15.8	13.0	14.6
U06-818219R		16.7	15.5	14.0	15.4
U06-830260R		18.8	18.1	14.1	15.9
U07-135478R		17.9	17.0	13.9	14.8
U07-135636R		18.1	18.9	14.9	17.3
U07-135912R		17.2	17.9	12.7	15.9
U07-136177R		17.0	18.2	13.3	15.7
U07-236993R		16.2	15.1	11.0	13.3
U07-237058R		17.5	17.7	12.0	15.8
U07-237529R		18.6	17.6	15.1	16.5
U07-237734R		18.1	16.5	13.0	16.7
U07-338147R		18.8	17.9	12.5	16.0
U07-338580R		17.3	17.7	12.8	15.4
U07-338605R		19.3	18.4	12.9	15.4
U07-439042R		18.0	16.9	13.7	15.6
U08-712053R		17.8	17.0	13.8	16.4

UNIFORM TEST II Roundup-Ready, 2009

PROTEIN (%)

Strain	Mean 6 Tests	Urbana IL	Lafayette IN	Ingham County MI	Phillips NE	Aurora SD	Beresford SD
AG2403 (II)	34.2	32.8	35.6	35.5		33.5	33.6
AG2002	34.8	32.7	34.9	34.7	35.0	35.2	36.0
AG2607	35.6	33.8	36.6	36.4	35.8	35.6	35.5
NEX2905A0R (L)	34.3	33.6	34.4	35.1	33.9	34.9	33.8
SD(LD)05-16121	33.3	31.5	33.5	33.4	33.9	33.4	34.0
SD05R-2932	35.6	34.4	35.4	36.0	36.4	35.3	35.8
SD05R-4555	34.8	31.6	35.7	35.7	34.2	36.2	35.6
SD06R-53	33.8	31.5	34.2	34.6	35.1	32.8	34.6
SD06R-729	34.7	32.2	35.2	35.6	35.1	35.2	35.2
SD06R-1284	34.2	31.7	35.0	34.3	35.1	34.6	34.5
SD06R-1552	34.1	31.5	35.0	35.0	34.9	34.2	34.2
SD06R-1598	34.7	33.1	35.5	34.4	35.5	34.8	34.6
SD06R-2353	34.3	32.2	35.8	35.4	33.7	33.8	34.8
SD06R-2645	34.5	33.7	36.1	34.4	33.8	34.0	34.7
SD06R-2651	34.0	31.7	35.3	34.7	35.0	33.1	33.8
SD06R-3631	34.6	33.5	35.9	34.7	34.3	33.9	35.5
SD06R-3665	35.0	34.6	35.6	35.3	35.4	33.4	35.7
SD06R-3887	34.1	31.6	35.0	34.7	33.9	33.7	35.4
SD06R-5457	34.1	32.3	35.4	35.4	34.1	32.7	34.6
U03-825124	34.2	32.4	34.8	34.3	33.2	34.8	35.4
U05-805032R	32.8	30.8	33.3	33.3	33.0	33.4	33.3
U06-818219R	34.4	32.3	35.1	35.4	34.7	33.6	35.1
U06-830260R	34.7	32.0	36.3	34.7	33.8	36.2	35.3
U07-135478R	34.4	32.6	35.3	34.7	34.4	34.8	34.7
U07-135636R	33.6	32.1	33.7	34.0	33.3	33.6	35.0
U07-135912R	34.4	32.7	35.0	34.6	34.8	34.5	34.9
U07-136177R	35.6	33.6	35.5	37.8	36.0	35.1	35.7
U07-236993R	33.5	31.5	34.5	34.1	33.4	33.8	33.7
U07-237058R	34.6	32.5	35.1	34.8	35.9	34.5	34.6
U07-237529R	36.5	34.5	36.7	37.0	37.0	36.9	37.0
U07-237734R	34.2	31.8	35.1	34.5	35.2	33.7	35.1
U07-338147R	33.5	31.8	33.8	34.0	33.7	34.3	33.3
U07-338580R	36.2	35.8	36.5	36.4	36.7	35.7	36.0
U07-338605R	35.1	33.0	35.4	35.6	35.3	36.3	34.9
U07-439042R	34.1	31.8	34.1	35.0	34.7	35.0	33.9
U08-712053R	34.3	33.6	35.5	33.8	34.2	34.2	34.3

* Protein and Oil values converted to 13% moisture basis.

UNIFORM TEST II Roundup-Ready, 2009

OIL (%)

Strain	Mean 6 Tests	Urbana IL	Lafayette IN	Ingham County MI	Phillips NE	Aurora SD	Beresford SD
AG2403 (II)	17.7	18.1	18.3	17.0		17.6	17.5
AG2002	17.7	18.2	18.3	16.8	17.7	17.2	18.1
AG2607	17.0	17.7	17.6	15.6	18.4	16.4	16.5
NEX2905A0R (L)	17.4	18.4	18.2	16.0	18.0	16.8	17.2
SD(LD)05-16121	17.5	18.5	18.3	17.1	17.0	17.1	17.2
SD05R-2932	17.4	17.9	17.6	16.6	18.0	17.2	16.9
SD05R-4555	17.6	18.2	18.2	16.3	18.3	17.1	17.7
SD06R-53	18.4	18.8	19.0	17.8	18.7	18.1	17.8
SD06R-729	17.8	18.4	17.7	17.7	17.8	17.8	17.5
SD06R-1284	17.9	18.0	17.6	17.2	19.2	17.9	17.3
SD06R-1552	17.8	18.1	18.8	16.8	18.1	17.5	17.7
SD06R-1598	17.6	18.0	17.8	17.0	17.9	17.1	17.6
SD06R-2353	17.2	17.3	17.3	16.9	18.4	16.4	17.0
SD06R-2645	17.7	17.5	18.5	17.2	18.2	17.4	17.6
SD06R-2651	17.6	17.5	18.0	17.2	18.2	17.5	17.4
SD06R-3631	17.8	17.5	18.5	17.4	18.1	18.0	17.1
SD06R-3665	17.6	18.3	17.6	16.6	18.6	17.1	17.3
SD06R-3887	18.1	18.1	18.6	17.1	18.8	17.8	18.0
SD06R-5457	18.5	18.4	18.6	18.3	19.1	18.9	18.0
U03-825124	16.9	17.8	17.8	16.6	17.8	15.8	15.9
U05-805032R	17.0	17.9	18.5	15.4	18.2	15.8	16.4
U06-818219R	17.8	18.3	18.3	17.6	17.7	17.1	17.6
U06-830260R	17.6	18.1	19.2	16.4	18.1	16.3	17.3
U07-135478R	17.7	18.0	18.2	17.1	18.6	17.2	17.3
U07-135636R	17.9	18.6	18.9	17.3	17.1	17.7	18.2
U07-135912R	17.0	17.4	17.5	16.4	17.4	16.5	16.8
U07-136177R	17.2	16.9	17.7	15.8	18.5	17.6	16.7
U07-236993R	18.0	18.2	18.5	17.5	19.1	17.3	17.5
U07-237058R	17.4	17.8	18.7	16.9	17.4	17.1	16.4
U07-237529R	17.2	17.2	17.7	16.6	18.7	15.8	17.3
U07-237734R	17.6	17.7	18.4	17.0	18.3	16.5	17.4
U07-338147R	17.3	18.0	18.4	16.6	16.9	17.3	16.8
U07-338580R	17.0	17.3	17.0	16.6	17.5	17.0	16.7
U07-338605R	17.3	17.2	17.8	16.4	19.7	16.0	16.7
U07-439042R	17.9	18.3	19.1	17.7	18.1	17.2	17.1
U08-712053R	14.6	18.4	18.0	16.8	0.0	17.3	16.9

Uniform Test III Roundup-Ready, 2009

Ent.	Strain	Parentage	Seed Source	Previous Testing	Gen. Comp.	Unique Traits
1.	U03-827101 (SCN)	na	Monsanto	1		RR, SCN
2.	NEX2905A0R (E)	na	Graef	2		Det.
3.	AG3504	na	Monsanto	1		
4.	AG3803	na	Monsanto	new		RR, SCN
5.	K06-2087 RR	LD00-3309 x K00-72RR-2584	Schapaugh	1	F4	
6.	K06-2489 RR	LS93-0375 x S02-750CR RR	Schapaugh	1	F4	
7.	U05-810075R	na	Graef	1	F4	SCN, Rps1-c
8.	U07-236557R	na	Graef	new	F4	RR, SCN?
9.	U07-236566R	na	Graef	new	F4	RR, SCN?
10.	U07-236709R	na	Graef	new	F4	RR, SCN?, dt
11.	U07-237658R	na	Graef	new	F4	RR, IDC
12.	U07-338254R	na	Graef	new	F4	RR, SCN?, dt
13.	U07-338436R	na	Graef	new	F4	RR, SCN?
14.	U07-338467R	na	Graef	new	F4	RR, IDC, dt
15.	U07-338703R	na	Graef	new	F4	RR, IDC, dt
16.	U07-338807R	na	Graef	new	F4	RR, SCN?,IDC
17.	U07-338828R	na	Graef	new	F4	RR, SCN?, dt
18.	U07-338862R	na	Graef	new	F4	RR, IDC, dt
19.	U07-439027R	na	Graef	new	F4	RR, SCN?
20.	U07-439190R	na	Graef	new	F4	RR, SCN?
21.	U07-439221R	na	Graef	new	F4	RR, SCN?
22.	U07-439739R	na	Graef	new	F4	RR, IDC

UNIFORM TEST III Roundup Ready, 2009

DESCRIPTIVE AND DISEASE DATA

Strain	Descriptive Code	<u>Green Stem</u>	<u>Shattering</u>	<u>PR</u>		<u>FE</u>	<u>SDS</u>
		Score Wanatah IN	Score Ashland KS	Lafayette Race 4	Race 7	Laf. a rx.	DX Valmeyer <u>IL</u>
U03-827101 (SCN)	WTBDYBII	1.0	1.0	R*	R*	S	24
NEX2905A0R (E)	PGBDYIbD	1.0	1.0	S	S	S	42
AG3504	PGBDYIbI	1.0	1.0	S	R	S	17
AG3803	WGTDYLbfi	1.0	1.0	S	R	S	18
K06-2087 RR	PTTDYBII	1.0	1.0	S	S	S	33
K06-2489 RR	PYBDYIbI	1.0	1.0	S	S	S	7
U05-810075R	PGTDYIbI	1.0	1.0	S	R	S	61
U07-236557R	PTBIYBII	1.0	1.0	S	S	S	50
U07-236566R	PGTIYIbI	1.0	1.0	R*	R*	S	61
U07-236709R	WGBDYBfD	2.0	1.0	S	R*	S	36
U07-237658R	WTTDYBII	1.0	1.0	R*	R*	S	31
U07-338254R	P+WGTDYIb+BfD	1.0	1.0	R*	R*	S	28
U07-338436R	PTBDYBrI	1.0	1.0	S	R*	S	31
U07-338467R	WTTDYBID	2.0	1.0	S	R*	S	17
U07-338703R	PTTDYBID	1.0	1.0	S	S	S	17
U07-338807R	PTTDYBII	1.0	1.0	S	S	S	47
U07-338828R	PGBDYIbD	1.0	1.0	R*	R*	S	42
U07-338862R	WTTDYBID	1.0	1.0	S	R*	S	47
U07-439027R	PGBIYIbI	1.0	1.0	S	S	S	72
U07-439190R	PTBDYBII	1.0	1.0	S	R*	S	53
U07-439221R	PGTDYIbI	1.0	1.0	H*	R*	S	67
U07-439739R	PTT+BDYBII	1.0	1.0	S	S	S	56

PR: * = *P. sojae* inoc. Reaction NOT compatible with breeder's information about *Rps* Trait

FE: S = susceptible, - = lesions not detected, x = no data

UNIFORM TEST III Roundup-Ready, 2009

REGIONAL SUMMARY

No. of Tests Strain	Yield 10 bu/a	Rank 10 No.	Maturity 9 Date	Lodging 8 Score	Plant Height 8 In.	Seed Quality 8 Score	Seed Size 8 g/100	Composition	
								Protein 4 %	Oil 4 %
U03-827101 (SCN)	59.1	11	9/24	1.4	33	2.3	15.8	33.8	18.1
NEX2905A0R (E)	59.3	8	-5.9	1.5	31	2.3	14.0	33.4	18.7
AG3504	62.3	2	-1.7	1.6	33	2.1	15.4	34.2	17.5
AG3803	64.4	1	2.9	1.7	33	2.1	15.8	33.8	17.8
K06-2087 RR	60.8	4	2.9	1.7	34	2.1	13.4	33.2	17.6
K06-2489 RR	59.2	10	6.8	1.7	38	1.5	12.4	34.3	16.8
U05-810075R	57.3	14	-7.2	1.3	29	2.0	15.4	33.3	18.7
U07-236557R	60.4	6	-2.7	1.6	31	2.1	16.0	33.5	17.9
U07-236566R	60.5	5	-5.1	1.4	29	2.0	15.3	32.6	18.3
U07-236709R	58.2	12	-3.5	1.7	33	2.1	16.1	34.1	18.5
U07-237658R	55.2	15	-2.4	1.8	33	2.4	14.6	33.7	17.2
U07-338254R	58.0	13	-4.8	1.5	29	2.4	16.0	33.9	18.4
U07-338436R	50.9	20	-3.4	1.2	29	2.1	16.0	34.5	16.9
U07-338467R	48.2	22	-7.2	1.4	26	2.4	16.4	35.2	16.6
U07-338703R	49.8	21	-2.9	1.4	32	2.1	16.0	35.7	16.3
U07-338807R	53.6	17	3.6	1.7	37	2.5	15.2	34.0	17.5
U07-338828R	54.2	16	-5.5	1.2	29	2.5	15.9	33.0	18.7
U07-338862R	52.2	19	-0.2	1.8	33	2.3	16.7	35.0	17.0
U07-439027R	59.8	7	-2.8	1.7	32	2.0	16.5	35.0	17.7
U07-439190R	59.3	8	-1.7	1.6	33	2.1	15.4	34.1	17.6
U07-439221R	61.4	3	-2.1	1.5	31	2.4	15.1	32.6	18.7
U07-439739R	53.2	18	1.2	1.6	36	2.5	18.8	36.0	16.7

132.1 Days After Planting

UNIFORM TEST III Roundup-Ready, 2009

YIELD (bu/a)

Strain	Mean 10 Tests	Urbana IL	Lafayette IN	Wanatah IN	Ashland KS	Manhattan KS	Ottawa KS
U03-827101 (SCN)	59.1	64.1	55.0	55.2	60.6	65.1	42.7
NEX2905A0R (E)	59.3	58.7	57.6	54.9	54.7	66.5	45.8
AG3504	62.3	60.8	59.4	57.0	63.6	66.4	46.1
AG3803	64.4	74.8	63.9	69.1	67.5	65.2	50.6
K06-2087 RR	60.8	68.4	62.6	57.7	47.3	65.3	47.1
K06-2489 RR	59.2	59.3	57.3	58.1	48.6	66.2	45.0
U05-810075R	57.3	64.1	55.0	50.2	40.2	62.6	42.0
U07-236557R	60.4	67.6	59.9	49.5	39.3	68.3	48.5
U07-236566R	60.5	69.2	64.3	52.0	31.8	63.9	49.0
U07-236709R	58.2	65.5	58.2	59.9	52.0	64.7	44.3
U07-237658R	55.2	58.3	51.6	50.0	38.6	63.6	46.2
U07-338254R	58.0	61.4	58.3	45.7	42.9	68.2	51.1
U07-338436R	50.9	59.5	49.9	44.5	45.0	55.6	39.0
U07-338467R	48.2	58.4	49.2	40.6	28.0	58.6	38.1
U07-338703R	49.8	52.2	51.0	45.6	38.3	53.7	42.9
U07-338807R	53.6	54.9	46.7	52.9	36.9	70.0	44.2
U07-338828R	54.2	60.9	50.2	55.3	40.5	63.3	40.0
U07-338862R	52.2	56.5	56.9	45.3	38.2	60.5	40.3
U07-439027R	59.8	67.9	61.1	47.8	34.2	62.1	47.2
U07-439190R	59.3	68.2	61.2	48.0	39.0	64.9	45.5
U07-439221R	61.4	67.7	61.7	56.9	18.4	68.7	52.9
U07-439739R	53.2	56.0	50.1	50.7	23.2	59.6	42.5
Location Mean		62.5	56.4	52.1	42.2	63.8	45.0
C.V. (%)		8.7	5.2	12.1	14.5	4.7	4.1
L.S.D. (5%)		11.3	4.8	11.2	8.7	5.0	3.1
Row Sp. (in.)		30	30	30	30	30	30
Rows/Plot		4	4	4	4	4	4
Reps		2	3	3	3	3	3

*Data not included in mean.

UNIFORM TEST III Roundup-Ready, 2009

YIELD (bu/a)

Strain	Portageville* (Clay) MO	Portageville (Loam) MO	DeWitt NE	Lincoln NE	North Bend NE
U03-827101 (SCN)	29.0	41.5	48.1	75.3	83.3
NEX2905A0R (E)	21.8	45.7	55.3	74.7	78.6
AG3504	34.5	51.3	69.9	73.4	74.7
AG3803	25.6	28.5	60.9	81.9	81.2
K06-2087 RR	32.5	57.0	64.2	69.5	68.4
K06-2489 RR	40.7	64.4	59.8	63.9	69.7
U05-810075R	18.2	34.8	65.4	79.7	78.7
U07-236557R	27.7	42.7	66.1	79.5	82.8
U07-236566R	27.6	50.4	66.3	83.6	74.4
U07-236709R	29.1	34.0	59.4	71.1	73.3
U07-237658R	28.7	32.7	65.7	75.7	69.6
U07-338254R	19.9	31.9	71.6	77.7	71.3
U07-338436R	17.6	29.7	55.0	68.9	61.8
U07-338467R	16.7	26.4	57.3	62.7	62.8
U07-338703R	21.9	27.3	56.7	68.0	62.0
U07-338807R	40.3	54.0	57.9	61.1	57.7
U07-338828R	18.3	28.3	59.8	73.8	70.3
U07-338862R	29.6	41.0	60.1	62.6	60.4
U07-439027R	30.4	53.5	72.9	77.9	73.6
U07-439190R	39.9	50.2	62.5	76.6	76.8
U07-439221R	29.5	45.7	78.5	80.3	83.0
U07-439739R	34.5	48.4	63.3	72.6	65.8
Location Mean	27.9	41.8	62.6	73.2	71.8
C.V. (%)	15.1	10.1	7.8	5.8	5.7
L.S.D. (5%)	6.0	7.0	12.5	10.5	10.0
Row Sp. (in.)	30	30	30	30	30
Rows/Plot	4	4	4	4	4
Reps	3	3	2	2	2

UNIFORM TEST III Roundup-Ready, 2009

YIELD RANK

Strain	Yield Rank	Urbana IL	Lafayette IN	Wanatah IN	Ashland KS	Manhattan KS	Ottawa KS
U03-827101 (SCN)	11	10	14	8	3	10	16
NEX2905A0R (E)	8	16	11	9	4	5	10
AG3504	2	13	8	5	2	6	9
AG3803	1	1	2	1	1	9	3
K06-2087 RR	4	3	3	4	7	8	7
K06-2489 RR	10	15	12	3	6	7	12
U05-810075R	14	9	14	13	11	16	18
U07-236557R	6	7	7	15	12	3	5
U07-236566R	5	2	1	11	19	13	4
U07-236709R	12	8	10	2	5	12	13
U07-237658R	15	18	16	14	14	14	8
U07-338254R	13	11	9	18	9	4	2
U07-338436R	20	14	20	21	8	21	21
U07-338467R	22	17	21	22	20	20	22
U07-338703R	21	22	17	19	15	22	15
U07-338807R	17	21	22	10	17	1	14
U07-338828R	16	12	18	7	10	15	20
U07-338862R	19	19	13	20	16	18	19
U07-439027R	7	5	6	17	18	17	6
U07-439190R	8	4	5	16	13	11	11
U07-439221R	3	6	4	6	22	2	1
U07-439739R	18	20	19	12	21	19	17

UNIFORM TEST III Roundup-Ready, 2009

YIELD RANK

Strain	Portageville (Clay) MO	Portageville (Loam) MO	DeWitt NE	Lincoln NE	North Bend NE
U03-827101 (SCN)	11	12	22	10	1
NEX2905A0R (E)	17	9	20	11	6
AG3504	4	5	4	13	8
AG3803	15	19	12	2	4
K06-2087 RR	6	2	9	16	16
K06-2489 RR	1	1	14	19	14
U05-810075R	20	14	8	4	5
U07-236557R	13	11	6	5	3
U07-236566R	14	6	5	1	9
U07-236709R	10	15	16	15	11
U07-237658R	12	16	7	9	15
U07-338254R	18	17	3	7	12
U07-338436R	21	18	21	17	20
U07-338467R	22	22	18	20	18
U07-338703R	16	21	19	18	19
U07-338807R	2	3	17	22	22
U07-338828R	19	20	15	12	13
U07-338862R	8	13	13	21	21
U07-439027R	7	4	2	6	10
U07-439190R	3	7	11	8	7
U07-439221R	9	9	1	3	2
U07-439739R	4	8	10	14	17

UNIFORM TEST III Roundup-Ready, 2009

MATURITY (date)

Strain	Mean 9 Tests	Urbana IL	Lafayette IN	Wanatah IN	Ashland KS	Manhattan KS	Ottawa KS
U03-827101 (SCN)	9/24	9/23	10/4	10/3	9/18	9/26	
NEX2905A0R (E)	-5.9	-7	-10	-11	-5	-2	
AG3504	-1.7	-1	-3	-4	4	2	
AG3803	2.9	7	0	2	8	7	
K06-2087 RR	2.9	7	0	1	1	5	
K06-2489 RR	6.8	12	1	3	7	13	
U05-810075R	-7.2	-7	-13	-14	-5	-1	
U07-236557R	-2.7	-4	-3	-9	-6	3	
U07-236566R	-5.1	-4	-7	-12	-6	-3	
U07-236709R	-3.5	1	-6	-9	-1	-0	
U07-237658R	-2.4	1	-5	-6	-5	3	
U07-338254R	-4.8	-4	-7	-8	-6	1	
U07-338436R	-3.4	-2	-6	-6	-4	-0	
U07-338467R	-7.2	-5	-10	-14	-6	-3	
U07-338703R	-2.9	-2	-4	-7	-3	2	
U07-338807R	3.6	7	2	2	1	6	
U07-338828R	-5.5	-7	-7	-5	-6	-2	
U07-338862R	-0.2	7	-5	-7	1	4	
U07-439027R	-2.8	-2	-5	-9	-5	2	
U07-439190R	-1.7	2	-3	-9	-4	2	
U07-439221R	-2.1	-3	-4	-6	-6	5	
U07-439739R	1.2	8	1	-2	-5	4	
Date Planted	5/15	5/21	5/19	5/19	5/13	5/20	5/19
Days to Mature	132	125	138	137	128	129	

UNIFORM TEST III Roundup-Ready, 2009

MATURITY (date)

Strain	Portageville (Clay) MO	Portageville (Loam) MO	DeWitt NE	Lincoln NE	North Bend NE
U03-827101 (SCN)	9/19	9/6		10/3	9/29
NEX2905A0R (E)	-5	-5		-6	-2
AG3504	-4	-5		-4	0
AG3803	-1	-2		1	4
K06-2087 RR	1	4		2	5
K06-2489 RR	2	11		5	7
U05-810075R	-5	-13		-6	-1
U07-236557R	0	-2		-2	-1
U07-236566R	-5	-5		-3	-1
U07-236709R	-6	-6		-3	-1
U07-237658R	-3	-2		-5	0
U07-338254R	-4	-12		-3	0
U07-338436R	-3	-6		-1	-2
U07-338467R	-5	-12		-7	-4
U07-338703R	-3	-4		-4	-1
U07-338807R	2	5		2	5
U07-338828R	-7	-8		-5	-3
U07-338862R	1	-3		0	1
U07-439027R	-3	-1		-2	0
U07-439190R	2	-5		-2	1
U07-439221R	-4	-2		-1	2
U07-439739R	1	1		1	2
Date Planted	5/19	4/24	5/11	5/21	5/14
Days to Mature	123	135		135	138

UNIFORM TEST III Roundup-Ready, 2009

LODGING (score)

Strain	Mean 8 Tests	Urbana IL	Lafayette IN	Wanatah IN	Ashland KS	Manhattan KS	Ottawa KS
U03-827101 (SCN)	1.4	1.5	1.0	1.0	1.3	1.0	1.0
NEX2905A0R (E)	1.5	2.3	1.0	1.0	1.3	2.3	1.0
AG3504	1.6	2.8	1.0	1.0	1.7	2.0	1.0
AG3803	1.7	2.3	1.0	1.0	2.0	2.0	1.0
K06-2087 RR	1.7	3.0	1.0	1.0	1.3	2.3	1.0
K06-2489 RR	1.7	2.5	1.0	1.0	1.3	2.7	1.0
U05-810075R	1.3	1.5	1.0	1.0	1.3	1.3	1.0
U07-236557R	1.6	1.5	1.0	1.0	2.0	2.0	1.0
U07-236566R	1.4	1.8	1.0	1.0	1.0	1.3	1.0
U07-236709R	1.7	3.5	1.0	1.0	1.7	2.0	1.0
U07-237658R	1.8	3.0	1.0	1.0	1.7	2.3	1.0
U07-338254R	1.5	3.0	1.0	1.0	1.3	1.7	1.0
U07-338436R	1.2	1.5	1.0	1.0	1.0	1.0	1.0
U07-338467R	1.4	2.5	1.0	1.0	1.0	2.0	1.0
U07-338703R	1.4	2.5	1.0	1.0	1.0	2.0	1.0
U07-338807R	1.7	3.0	1.0	1.0	1.3	2.3	1.0
U07-338828R	1.2	1.5	1.0	1.0	1.0	1.0	1.0
U07-338862R	1.8	3.5	1.0	1.0	1.7	2.0	1.0
U07-439027R	1.7	2.3	1.0	1.0	2.0	2.0	1.0
U07-439190R	1.6	3.0	1.0	1.0	1.7	2.0	1.0
U07-439221R	1.5	2.0	1.0	1.0	1.7	2.0	1.0
U07-439739R	1.6	2.5	1.0	1.0	1.3	2.3	1.0

UNIFORM TEST III Roundup-Ready, 2009

LODGING (score)

Strain	Portageville (Clay) MO	Portageville (Loam) MO	DeWitt NE	Lincoln NE	North Bend NE
U03-827101 (SCN)	2.0	2.0			
NEX2905A0R (E)	2.0	1.0			
AG3504	2.0	1.0			
AG3803	2.0	2.0			
K06-2087 RR	2.0	2.0			
K06-2489 RR	2.0	2.0			
U05-810075R	2.0	1.0			
U07-236557R	2.0	2.0			
U07-236566R	2.0	2.0			
U07-236709R	2.0	1.0			
U07-237658R	2.0	2.0			
U07-338254R	2.0	1.0			
U07-338436R	2.0	1.0			
U07-338467R	2.0	1.0			
U07-338703R	2.0	1.0			
U07-338807R	2.0	2.0			
U07-338828R	2.0	1.0			
U07-338862R	2.0	2.0			
U07-439027R	2.0	2.0			
U07-439190R	2.0	1.0			
U07-439221R	2.0	1.0			
U07-439739R	2.0	2.0			

UNIFORM TEST III Roundup-Ready, 2009

PLANT HEIGHT (inches)

Strain	Mean 8 Tests	Urbana IL	Lafayette IN	Wanatah IN	Ashland KS	Manhattan KS	Ottawa KS
U03-827101 (SCN)	33	39	31	31	41	41	33
NEX2905A0R (E)	31	38	33	31	37	40	33
AG3504	33	40	29	32	46	38	34
AG3803	33	40	32	31	45	39	34
K06-2087 RR	34	39	36	32	41	40	37
K06-2489 RR	38	42	37	35	51	40	37
U05-810075R	29	34	27	26	38	37	30
U07-236557R	31	37	31	29	36	41	32
U07-236566R	29	35	29	26	39	34	30
U07-236709R	33	46	34	33	39	43	33
U07-237658R	33	39	32	30	42	43	35
U07-338254R	29	39	30	26	35	39	31
U07-338436R	29	36	27	26	38	40	29
U07-338467R	26	37	27	27	33	34	29
U07-338703R	32	41	34	31	44	38	34
U07-338807R	37	43	38	34	46	41	38
U07-338828R	29	37	27	27	37	35	29
U07-338862R	33	42	35	31	41	40	34
U07-439027R	32	39	33	29	39	36	36
U07-439190R	33	38	34	29	40	39	33
U07-439221R	31	37	31	29	38	39	34
U07-439739R	36	40	36	33	44	41	36

UNIFORM TEST III Roundup-Ready, 2009

PLANT HEIGHT (inches)

Strain	Portageville (Clay) MO	Portageville (Loam) MO	DeWitt NE	Lincoln NE	North Bend NE
U03-827101 (SCN)	24	26			
NEX2905A0R (E)	20	18			
AG3504	24	23			
AG3803	25	21			
K06-2087 RR	24	25			
K06-2489 RR	28	33			
U05-810075R	20	18			
U07-236557R	24	19			
U07-236566R	21	19			
U07-236709R	21	18			
U07-237658R	23	18			
U07-338254R	18	14			
U07-338436R	20	15			
U07-338467R	15	9			
U07-338703R	17	18			
U07-338807R	25	33			
U07-338828R	18	18			
U07-338862R	20	20			
U07-439027R	20	24			
U07-439190R	26	23			
U07-439221R	21	21			
U07-439739R	27	32			

UNIFORM TEST III Roundup-Ready, 2009

SEED QUALITY (score)

Strain	Mean 8 Tests	Urbana IL	Lafayette IN	Wanatah IN	Ashland KS	Manhattan KS	Ottawa KS
U03-827101 (SCN)	2.3	1.0	1.0	1.0	2.0	3.0	2.0
NEX2905A0R (E)	2.3	1.0	1.0	1.0	2.0	3.0	2.0
AG3504	2.1	1.0	1.0	1.0	3.0	3.0	2.0
AG3803	2.1	2.0	1.0	1.0	3.0	3.0	2.0
K06-2087 RR	2.1	2.0	1.0	1.0	2.0	2.0	2.0
K06-2489 RR	1.5	1.0	1.0	1.0	2.0	2.0	2.0
U05-810075R	2.0	1.0	1.0	1.0	2.0	3.0	2.0
U07-236557R	2.1	1.0	1.0	1.0	3.0	3.0	2.0
U07-236566R	2.0	1.0	1.0	1.0	3.0	3.0	2.0
U07-236709R	2.1	1.0	1.0	1.0	2.0	3.0	2.0
U07-237658R	2.4	2.0	1.0	1.0	4.0	2.0	2.0
U07-338254R	2.4	1.0	1.0	1.0	3.0	3.0	3.0
U07-338436R	2.1	1.0	1.0	1.0	3.0	2.0	2.0
U07-338467R	2.4	1.0	1.0	1.0	4.0	3.0	2.0
U07-338703R	2.1	1.0	1.0	1.0	3.0	2.0	2.0
U07-338807R	2.5	2.0	1.0	1.0	3.0	3.0	3.0
U07-338828R	2.5	2.0	1.0	1.0	3.0	3.0	3.0
U07-338862R	2.3	1.0	1.0	1.0	3.0	2.0	2.0
U07-439027R	2.0	1.0	1.0	1.0	3.0	3.0	3.0
U07-439190R	2.1	1.0	1.0	1.0	2.0	3.0	2.0
U07-439221R	2.4	1.0	1.0	1.0	2.0	3.0	2.0
U07-439739R	2.5	2.0	1.0	1.0	3.0	3.0	3.0

UNIFORM TEST III Roundup-Ready, 2009

SEED QUALITY (score)

Strain	Portageville (Clay) MO	Portageville (Loam) MO	DeWitt NE	Lincoln NE	North Bend NE
U03-827101 (SCN)	4.0	4.0			
NEX2905A0R (E)	5.0	3.0			
AG3504	3.0	3.0			
AG3803	2.0	3.0			
K06-2087 RR	4.0	3.0			
K06-2489 RR	3.0	0.0			
U05-810075R	3.0	3.0			
U07-236557R	3.0	3.0			
U07-236566R	3.0	2.0			
U07-236709R	4.0	3.0			
U07-237658R	3.0	4.0			
U07-338254R	3.0	4.0			
U07-338436R	4.0	3.0			
U07-338467R	3.0	4.0			
U07-338703R	4.0	3.0			
U07-338807R	4.0	3.0			
U07-338828R	4.0	3.0			
U07-338862R	5.0	3.0			
U07-439027R	2.0	2.0			
U07-439190R	4.0	3.0			
U07-439221R	5.0	4.0			
U07-439739R	4.0	3.0			

UNIFORM TEST III Roundup-Ready, 2009

SEED SIZE (g/100)

Strain	Mean 8 Tests	Urbana IL	Lafayette IN	Wanatah IN	Ashland KS	Manhattan KS	Ottawa KS
U03-827101 (SCN)	15.8	18.1			16.2	15.8	15.0
NEX2905A0R (E)	14.0	14.4			11.9	13.4	12.8
AG3504	15.4	16.4			15.7	15.3	15.2
AG3803	15.8	19.2			15.3	15.3	16.6
K06-2087 RR	13.4	15.0			11.5	14.1	12.6
K06-2489 RR	12.4	14.8			12.6	15.1	14.1
U05-810075R	15.4	17.0			13.7	17.0	15.9
U07-236557R	16.0	17.1			12.5	17.5	15.8
U07-236566R	15.3	17.2			11.5	15.9	15.4
U07-236709R	16.1	18.7			14.3	16.3	15.0
U07-237658R	14.6	14.8			12.2	16.3	15.3
U07-338254R	16.0	16.5			14.3	16.7	15.2
U07-338436R	16.0	17.3			14.4	16.6	15.2
U07-338467R	16.4	17.5			13.3	16.7	17.0
U07-338703R	16.0	17.1			15.3	17.1	16.0
U07-338807R	15.2	15.3			13.0	15.7	16.2
U07-338828R	15.9	17.2			13.8	17.4	14.7
U07-338862R	16.7	18.2			14.4	18.5	16.4
U07-439027R	16.5	17.7			12.5	19.1	16.7
U07-439190R	15.4	18.3			14.4	15.6	13.7
U07-439221R	15.1	14.9			11.7	16.1	15.5
U07-439739R	18.8	23.3			14.7	19.1	20.5

UNIFORM TEST III Roundup-Ready, 2009

SEED SIZE (g/100)

Strain	Portageville (Clay) MO	Portageville (Loam) MO	DeWitt NE	Lincoln NE	North Bend NE
U03-827101 (SCN)	15.8	13.8		14.9	16.8
NEX2905A0R (E)	19.5	12.2		12.1	15.3
AG3504	15.9	14.5		13.9	16.6
AG3803	14.0	13.7		15.2	17.1
K06-2087 RR	18.1	10.5		12.6	12.9
K06-2489 RR	16.6	0.0		12.0	14.0
U05-810075R	15.2	13.8		13.6	16.7
U07-236557R	16.3	15.6		15.0	18.0
U07-236566R	16.5	13.0		15.1	17.7
U07-236709R	14.8	16.1		15.2	18.1
U07-237658R	14.8	13.1		13.7	16.6
U07-338254R	17.1	14.9		14.8	18.4
U07-338436R	17.6	13.4		15.1	18.4
U07-338467R	16.9	15.4		15.3	18.9
U07-338703R	12.7	16.3		15.0	18.8
U07-338807R	17.8	14.3		13.7	15.5
U07-338828R	16.4	15.2		15.8	17.0
U07-338862R	17.2	15.6		15.5	17.6
U07-439027R	16.2	14.8		16.2	18.5
U07-439190R	14.6	14.5		14.6	17.2
U07-439221R	17.0	14.4		14.6	16.5
U07-439739R	17.8	16.2		17.7	20.7

UNIFORM TEST III Roundup-Ready, 2009

PROTEIN (%)

Strain	Mean 4 Tests	Urbana IL	Ashland KS	Portageville (Loam) MO	North Bend NE
U03-827101 (SCN)	33.8	32.2	35.7	32.8	34.5
NEX2905A0R (E)	33.4	31.4	35.3	33.5	33.3
AG3504	34.2	32.1	35.7	34.6	34.4
AG3803	33.8	32.9	35.9	33.1	33.2
K06-2087 RR	33.2	33.5	34.3	32.2	32.9
K06-2489 RR	34.3	32.6	35.4		35.1
U05-810075R	33.3	30.8	34.3	33.4	34.9
U07-236557R	33.5	31.2	35.2	33.9	33.9
U07-236566R	32.6	31.1	34.7	32.3	32.4
U07-236709R	34.1	31.6	35.1	34.2	35.6
U07-237658R	33.7	30.7	35.9	34.2	34.2
U07-338254R	33.9	31.6	35.5	33.9	34.7
U07-338436R	34.5	32.1	35.6	34.9	35.5
U07-338467R	35.2	32.5	37.4	35.4	35.5
U07-338703R	35.7	32.9	36.9	36.9	36.1
U07-338807R	34.0	31.7	34.7	34.5	35.2
U07-338828R	33.0	33.2	33.4	33.1	32.2
U07-338862R	35.0	32.4	37.0	34.9	35.8
U07-439027R	35.0	32.5	37.3	35.5	34.8
U07-439190R	34.1	32.8	35.0	34.0	34.5
U07-439221R	32.6	30.5	34.5	33.4	32.0
U07-439739R	36.0	35.5	37.3	35.6	35.5

* Protein and Oil values converted to 13% moisture basis.

UNIFORM TEST III Roundup-Ready, 2009

OIL (%)

Strain	Mean 4 Tests	Urbana IL	Ashland KS	Portageville (Loam) MO	North Bend NE
U03-827101 (SCN)	18.1	17.1	18.4	18.5	18.6
NEX2905A0R (E)	18.7	18.5	18.1	19.1	18.8
AG3504	17.5	17.5	17.3	17.5	17.5
AG3803	17.8	17.2	17.6	19.0	17.4
K06-2087 RR	17.6	17.9	17.3	18.0	17.4
K06-2489 RR	16.8	17.6	16.5		16.3
U05-810075R	18.7	18.6	18.4	19.6	18.3
U07-236557R	17.9	17.8	16.8	18.3	18.6
U07-236566R	18.3	17.9	17.8	18.9	18.7
U07-236709R	18.5	18.3	18.1	18.6	18.8
U07-237658R	17.2	17.7	16.4	17.3	17.5
U07-338254R	18.4	17.9	18.1	18.7	18.8
U07-338436R	16.9	16.5	16.2	18.3	16.4
U07-338467R	16.6	16.9	15.3	17.1	17.0
U07-338703R	16.3	16.5	16.0	16.7	16.3
U07-338807R	17.5	17.3	17.2	18.0	17.4
U07-338828R	18.7	18.7	18.3	18.9	18.8
U07-338862R	17.0	16.7	16.8	17.5	17.0
U07-439027R	17.7	18.2	16.5	18.0	18.0
U07-439190R	17.6	17.9	16.3	17.9	18.2
U07-439221R	18.7	19.3	17.9	18.6	19.0
U07-439739R	16.7	16.4	16.5	18.0	15.9