2015
NORTHERN REGIONAL SOYBEAN CYST NEMATODE TESTS

Coordinated by:
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The Northern Regional Soybean Cyst Nematode Tests are made possible by funding from the United Soybean Board. In 2015, these tests were conducted by 17 researchers at 39 locations in 12 states and Canada. The support of the United Soybean Board and cooperation of participating researchers is greatly appreciated.

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2015 NORTHERN REGIONAL SCN TESTS

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ACKNOWLEDGEMENTS

The contributions of the following individuals to this report are greatly appreciated; Arthur Killam, University of Minnesota, for analysis of seed samples for protein and oil content, Kamron Colgrove and Alison Colgrove, University of Illinois, for greenhouse SCN testing.

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INTRODUCTION

The purpose of the Northern Regional Soybean Cyst Nematode (SCN) Tests is to evaluate the best experimental SCN resistant soybean lines developed by public researchers in the U. S. and Canada and to provide soybean breeders with a source of genetically diverse germplasm for continued progress in the release of well adapted, SCN resistant breeding lines and varieties. Participants are encouraged to exchange germplasm within the legal guidelines pertaining to transgenic strains.

Tests are established for each maturity group 00 to IV. Trasngenic (ie. Roundup Ready) entries are established in separate tests from conventional strains. Experimental strains are evaluated in Preliminary Tests grown at a limited number of locations for one year before they are entered in Uniform Tests. Uniform Tests are grown at more locations with more replications than Preliminary Tests.

POLICY ON EVALUATION AND RELEASE OF STRAINS

Qualifications for inclusion in the Northern Regional SCN 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 entries in tests depends on whether the entries are transgenic or non-transgenic.
2) Participants are individually responsible to ensure than 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 as parents in the development of lines included in the Uniform Tests.

Use of Northern Regional SCN 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 of 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, 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 section two.

Release of Northern Regional SCN Test Entries

1) Entries in the Northern Regional SCN Tests are released according to the policies and procedures of the originating institution.
2) Restricted or contractual releases cannot impose any restriction on the prior use of an entry as a parent by SCN Test Participants.

METHODS

Regional SCN Uniform Tests and Preliminary Tests are planted in multiple-row plots with the center rows used for data collection and harvested for yield. Plots in the Uniform Tests are generally replicated three times while plots in the Preliminary Tests are generally replicated twice. The coefficient of variability (CV) is reported for replicated data at each location. Yield data with a CV value of greater than 15 is generally not included in the test means.

Descriptive Code is abbreviated as underlined below.

Flower color: Purple, White, M indicates mixed flower color
Pubescence color: Tawny, Gray, Light tawny, M indicates mixed pubescence color
Hilum color: black, imperfect black, brown, buff, gray, yellow

Previous testing is the number of previous years in the same SCN Uniform Test or a reference to the previous year's test, abbreviated to SCN PIII for SCN Preliminary Test III, for example.

Yield is measured after the seeds have been dried to a uniform moisture content and is recorded in bushels (60 pounds) per acre.

Maturity is the date when 95% of the pods have ripened. Delayed leaf drop and green stems are not considered in assigning maturity. Maturity is expressed as days earlier (-) or later (+) than the reference variety.

Height is the average length in inches from the ground to the tip of the main stem at maturity.

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 0% of the plants down.
4 = All plants leaning considerably, or 50 to 80% of the plants down.
5 = Almost all plants down.

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 rotten seeds. Threshing or handling damage is not included, nor is mottling or other pigment.

1 = Very good 2 = Good 3 = Fair 4 = Poor 5 = Very poor

Seed size is recorded in grams per 100 seeds based on a 100 or 200 seed sample.

Seed Composition is measured on samples submitted to the University of Minnesota. A 25-gram sample of clean seed is prepared by taking an equal volume or weight of seed from each replication. Protein and oil content is measured on these samples using infrared reflectance and is reported as dry-weight percentage values. The values listed in this report have been converted to a 13% moisture basis.

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

Minnesota Iron Chlorosis scores (IDC) Scores are the mean of 2 reps and 2 observation and are based on the amount and severity of chlorosis (leaf yellowing). Scale; 1 = no chlorosis to 5 = severe chlorosis, leaf necrosis and possibly plant death. Data was collected from Lake Lillian and Wilkin Co. Minnesota.

ISU Iron Chlorosis scores (IDC) Each variety was planted in a hill plot consisting of five seeds per hill, with two replications per variety, at two high pH field locations in central Iowa. Locations were chosen by identifying IDC symptoms on soybeans growing in each field at the end of June. Prior to planting the experiments, the soybeans growing at each location were removed. Notes were taken for IDC symptoms at each location approximately four weeks after planting and again at five weeks after planting. Varieties were rated on a scale of "1" to "5" with a "1" indicating no symptoms of IDC present and a "5" indicating plant death due to IDC. Ratings from the two scores were averaged for each plot. The scores from each location then were averaged. Eight or more entries of a variety highly resistant to IDC (A11) and 8 or more entries of a variety highly susceptible to IDC (Dwight) also were included in each rep of the experiment as checks. The average score of all resistant plots and susceptible plots are listed on the tables under R= and S=, respectively.

Green Stem is a rating of delayed green stem at time of plant maturity (R8 = 95% of the pods have reached 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.

ISU Emergence Scores – Emergence was assessed by counting all plants in 1 random meter of the inner two rows of each plot 35-40 days after planting. Plots were planted at a rate of 10 seeds per foot. Emergence scores are listed as percent stand.

Missouri Frogeye Leaf Spot (FELS) was rated by Dr. Allen Wrather at Portageville, MO on a 0 to 9 scale with 0=no frogeye and 9=severe.

Missouri Rootknot Nematode (RKNT) was rated on 2 reps on a 1 to 5 scale with 1=no galls and 5=severe galls at 2 locations in plantings behind potatoes near Bertrand, MO.

SCN/DISEASE SCREENING

Illinois SCN greenhouse test: Seed of each entry is germinated in germination paper placed in an incubator at 27° C for three days. One healthy seedling of each entry is then placed in an individual container of sterilized sandy soil and inoculated with 1,000 eggs. Each entry is replicated three times. Infected seedlings are grown in a greenhouse in a water bath system that maintains a constant 27° C soil temperature. After 30 days, female cysts are washed from the roots of each seedling and counted. A female index (FI) is calculated for each entry by dividing the mean number of cysts on the entry by the mean number of cysts on the susceptible check Lee 74 and multiplying by 100. Entries are then rated as highly resistant (HR), resistant (R), moderately resistant (MR), low resistance (LR) or no effective resistance (NR) based on the FI number as follows:

HR = FI of < 10
R = FI of 10 to 24
MR = FI of 25 to 39
LR = FI of 40 to 59
NR = FI of > 60
nd = not determined FI>10, CV>35

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

DX = SDS Disease Index (DI*DS/9)
DI = SDS Disease Incidence (% of plants with visible symptoms).
DS = SDS Disease Severity (1 = mild chlorosis, 5 = severe leaf scorch, 9=premature plant death).

Heterodera glycines **(HG) Type testing:** Cooperators submit soil samples taken in the spring from SCN infested locations. Initial egg counts are made on a 250cc soil sample. Samples containing fewer than 1,000 eggs/100cc soil are planted to Essex for cyst increase. Seed of each indicator line is germinated in rag dolls and placed in an incubator at 27° C for three days. One healthy seedling of each line is then placed in an individual container of sterilized sandy soil and inoculated with 1,000 eggs. Each line is replicated six times. Infected seedlings are grown in a greenhouse under 16 hour light in a water bath system that maintains a constant 27° C soil temperature. After 30 days, female cysts are washed from the roots of each seedling and counted. A female index (FI) is calculated for each indicator line by dividing the mean number of cysts on the entry by the mean number of cysts on the susceptible check Lee 74 and multiplying by 100. A FI greater than or equal to 10 is considered a positive (+) response on each indicator line. HG Type classifications of the SCN populations are determined using the following table:

	HG Type							
Indicator line	0	1	2	3	4	5	6	7
PI 548404 (Peking)		+						
PI 88788			+					
PI 90763				+				
PI 437654					+			
PI 209332						+		
PI 89772							+	
PI 548316 (Cloud)								+

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 (Fehr)
AR	Iowa (Cianzio)
C	Purdue (Indiana)
D	Mississippi
E	Michigan
HC	Ohio (Cooper)
HF	Ohio (Fioritto)
HS	Ohio (St. Martin)
K	Kansas
Ky	Kentucky
L	Illinois (Bernard)
LN	Illinois (Nickell)
LG	Illinois (Nelson)
LD	Illinois (Diers)
LS	Southern Illinois University
M,MSC	Minnesota (Orf)
Md	Maryland
ORC	Ridgetown, Ontario
S	Missouri (Shannon)
SA	Missouri (Scaboo)
SS	Missouri (Sleper)
SD	South Dakota
TN	Tennessee
U	Nebraska
UD	Delaware
V	Virginia
W	Wisconsin

2015 IDENTIFICATION OF PARENT STRAINS

Strain	Parentage
A1	Anoka x Mack
A13	Selection from AP9 Fe(S1) C7
A20	BSR101 x CN210
A29	1% linolenic plant selection developed by Iowa StateUniversity
A55-5629-4	Roanoke x Hawkeye
A72-507	Amsoy x Wayne
A76-103022	AP6
A76-304020	(Beeson x AP68-1016) x (L15 x Calland)
A77-211021	Beeson x A72-507
A81-356022	Century x A76-304020
A82-161034	A76-103002 x A77-211021
A86-301024	A81-356022 x Hack
A87-395012	Fayette x Asgrow A3659
A91-701035	A86-301024 x Dekalb 226
A94-773014	Pioneer P9303 x A87-395012
A95-485020	(Pioneer P7273 x A13) x Jack
A95-684043	Jacques J285 x (Archer x (Cordell x Asgrow A2234))
A96-492041	Northrup King S24-92 x Northrup King S19-90
A97-553017	Pioneer YB280 x (Pioneer YB280 x A29)
A98-781041	Pioneer P9204 x Pioneer P9281
A99-216031	A94-773014 x Agripro AP1995
A00-711022	A95-485020 x IA2036
A00-711024	A95-485020 x IA2036
A04-543037	Dairyland 98822 x A00-711024
A04-545045	Pioneer 93B86 x A00-711022
Agripro AP 26	Beeson x Calland
Agripro AP1989	Agripro AP26 x Vickery
Agripro AP1995	Agripro AP 1989 x Asgrow A3427
AP6	Crop Sci. 15:739 1975
AP68-1016	Clark(5) x PI 84.946-2
AR02-101001	Pioneer P9233 x A96-591033
AR03-161009	(PI 507354 x Marcus) x IA1008

2015 IDENTIFICATION OF PARENT STRAINS

Strain	Parentage
AR05-150139	Loda x SOY02-2
AR05-250101	Syngenta S10-F2 x Pana
AR06-365042	Golden Harvest H-2632 x Syngenta S18-N5
AR06-365076	GarstAgripro 96349-A99-30264 x Golden Harvest H-2632
AR07-175036	A95-684043 x Soygenetics 95-34480
AR07-176090	Ag03-1 x Ag03-3
AR07-176119	
AR07-276077	
AR1	IA2039BC x IA2021
AR2	
AR3	
Asgrow A1564	Hark x C1453
Asgrow A2234	[(Calland X Amsoy) x (Century(3) X Williams 82)]
Asgrow A2943	Asgrow A1564 x Asgrow A3127
Asgrow A3127	Williams x Essex
Asgrow A3237	
Asgrow A3427	Asgrow X3836 x Asgrow A3127
Asgrow A3659	Williams x Essex
Asgrow A3733	Elf x Asgrow A3127
Asgrow A3860	Williams x Essex
Asgrow A3935	MO474C x Asgrow A3127
Asgrow A4009	Asgrow A3860 x Fayette
Asgrow A4138	Asgrow A4595 x Asgrow A4009
Asgrow A4595	Douglas x Asgrow A3127
Asgrow A4715	Asgrow A5474 x (Douglas x Asgorw A3127)
Asgrow A5474	(Tracy x D71-6234) x J74-122
Asgrow X3836	Williams x Mack
C1079	Lincoln x Ogden
C1253	Blackhawk x Harosoy
C1266R	Harosoy x C1079
C1423	C1266R(8) x C1253
C1453	C1266R x C1253

2015 IDENTIFICATION OF PARENT STRAINS

Strain	Parentage
CL04-13234	
CL05-32415	
CM304	Unknown
D49-2491	S100 x CNS = sister line of Lee
D61-2624	D49-2491(4) x PI 174.862 high protein
D61-3505	D49-2491(2) x PI 174.862 high protein
D66-7398	D61-3505 x (PI 96.035 x D61-2624)
D71-6234	D66-7398 x PI 95.560
Dairyland 75213-72	Dairyland 98820-33 x Asgrow A3237
Dairyland 88504	
Dairyland 99753-81	88504 x P93B82
Dairyland 98820-33	
Dairyland 98822	
Dairyland 99540	Stine 2660 x DSR-275
Dairyland DSR 365	
Dairyland DSR-275	
Dekalb 226	
Dekalb 339c	
Dekalb 420c	
E00003	
E05181-T	Loda x IA2053
E05276-T	
E06161	OAC 98-12 x Skylla
E06936	PI494182 x Skylla
E07051	IA3017 x Loda
E10928	
GarstAgriPro 96349-A99-30264	
GarstAgriPro 98180-A01-06131	
Golden Harvest H-2632	
IAR2001BSR	
IAR2101	
IVR 1120	Provar x (AX56P64-1 x PI 191.110-1)

2015 IDENTIFICATION OF PARENT STRAINS

Strain	Parentage
Jacques J285	
J74-122	
L15	Wayne(6) x Clark 63
L46-2132	Lincoln(2) x Richland
L57-0034	L46-2132 x Adams
L66L-154	Wayne x L57-0034
L69-4143	[L15(5) x ((Clark(6) x T201) x (Clark(6) x T145))] x (Wayne(10) x Kanrich)
L73-4673	Corsoy x L66L-154(Williams sib)
L77-906	Williams X PI209.332
L77-994	Williams x PI88.788
L85P-558	L73-4673 X Fayette
LD00-2187	324 3B x Olympus
LD00-1938	Pana x Savoy
LD00-2817	Ina x Dwight
LD00-3296	LN95-5724 x Pana
LD00-3309	Maverick x Dwight
LD00-4970	Maverick x Dwight
LD01-5907	Ina x IA3010
LD01-7323	LN95-5454 x Dwight
LD02-4485	M90-184111 x IA3010
LD02-5320	IA2052 x Dwight
LD03-10504	LN97-26569 x A98-781041
LD03-6566	LN95-6446 x SS96-5637
LD04-11056	U96-2208 x Syngenta S38-T8
LD04-11056W	White flowered reselection from LD04-11056
LD04-12754	IA3023 x U98-311442
LD04-13265	Syngenta S32-Z3 x U98-205355
LD04-13296	Syngenta S32-Z3 x U98-311442
LD04-8782	Syngenta S32-Z3 x Dwight
LD05-3171	U97-201128 x Syngenta S42-H1
LD05-30578a	LD00-3309(2) x [LD00-4970(2) x (Dowling x Loda)]
LD05-3230	Syngenta S25-J5 x LD00-3296

2015 IDENTIFICATION OF PARENT STRAINS

Strain	Parentage
LD05-16638	Dwight(3) x (Dowling x Loda)
LD06-7620	IA3023 x LD00- 3309
LD06-7596	IA3023 x LD00-3309
LD06-7648	IA3023 x LD00-3309
LD07-3395	Syngenta WW115926 x LD00-2817
LD08-12446a	LD02-4485(2) x (Ina x PI 200538)
LD09-15077	LD02-4485(6) x (Ina x PI 200538)
LD09-15464	LD04-8782(3) x [LD03-6566 x (LD02-4485 x (Ina x PI 200538))]
LD09-15487	LD04-8782(3) x [LD03-6566 x (LD02-4485 x (Ina x PI 200538))]
LD05-30588a	LD00-3309(2) x (LD00-4970(2) x (Dowling x Loda))
LDX07-178a-1-7	LD05-16638 x (Dwight x (Ina x PI 200538))
LG88-8959	PI 253.665D x PI 283.331
LG89-7793	PI 391.594 x Century
LG97-9301	LG89-7793 x LG88-8959
LG00-3372	PI 561.319A x PI 574.477
LG04-5372	Rend x LG97-9301
LG06-5920	LG00-3372 x LD00-3309
LN94-14862-97-2	Jack x Hartwig
LN95-5454	Jack x IA3003
LN95-5724	Jack x IA3003
LN95-6446	Jack x Iroquois
LN97-26569	Yale x Macon
LS93-0375	Asgrow A3935 x Pioneer P9402
LS97-3617	Flyer x Asgrow A4138
LS98-0582	Northrup King S46-44 x Asgorw A4138
LS00-4221	LS92-3660 x Asgrow 4138
LS01-1158	LS92-4173 x Dekalb 339c
LS01-1734	LS93-0375 x IA3005
LS01-3450	LS93-0375 X Dekalb 420c
LS92-3660	Resnik x Asgrow A5474
LS92-4173	Flyer x Pyramid
LS01-3615	LS93-0375 x Mustang

2015 IDENTIFICATION OF PARENT STRAINS

Strain	Parentage
LS02-0425	LN93-11632 x IA1008
LS02-2213	LS93-0375 x SS94-4337
LS07-3125	SS98-7851 x LD00-3309
M60-406	Blackhawk X Harosoy
M68-303	M60-406 X Beeson
M71-148	Clay x Evans
M75-89	Corsoy X M68-303
M85-23	M71-148 x Simson
M85-647	Ozzie x Fayette
M86-1973	L77-906 X M75-89
M87-227	A82-161034 X Dawson
M87-349	
M90-1437	Dawson X HM8536
M90-178161	M85-23 x A20
M90-184111	L85P-558 X M86-1973
M92-674	Agassiz x Ozzie
M92-1631	Fairbault x Bell
M92-1708	Kato x Bell
M86-1973	L77-906 x M75-89
M92-270029	M87-227 x M87-349
M93-313135	Agassiz x M90-1437
M95-123023	Parker x M92-1631
M95-123116	Parker x M92-1631
M96-356062	M92-674 x M92-1708
M99-286047	IA1008 x Pioneer 9234
M00-116161	MN0901 x MN0902CN
M00-351195	MN0902CN x M95-123116
M00-365137	Jim x LN94-14862-97-2
M00-365181	Jim x LN94-14862-97-2
M01-314114	MN0902CN x M95-123116
M01-315029	A99-216031 x M95-123023
M02-141020	MN0302 x F1(M01-303)

2015 IDENTIFICATION OF PARENT STRAINS

Strain	Parentage
M02-391112	IA1008 x M96-356062
M02-383122	MN0902CN x MN0091
M03-176076	M97-205062 X MN1404SP
ND03-5441	Barnes x MN0602CN
ND03-5672	Barnes x SD96-33
ND03-7267	
ND03-7566	Barnes x MN0602CN
ND04-11111	OAC Atwood x (Barnes x IA1009)
ND04-11603	(IA1009 x Sargent) x MN0902CN
ND04-12689	Sargent x MN0902CN
Northrup King S1346	A55-5629-4 x PI 257.435
Northrup King S19-90	Pride B152 x Pella
Northrup King S24-92	
Northrup King S35-35	Northrup King S39-99 x Asgrow A3127
Northrup King S39-11	Fayette x Northrup King S42-30
Northrup King S39-99	S1492 x Mack
Northrup King S42-30	Essex x Agripro 35
Northrup King S42-32	MO2050 x Asgrow A5474
Northrup King S46-44	Asgrow A5474 x Asgrow A3127
OAC 98-12	
OT92-8	Baron x Maple Donovan
Pioneer 9234	SCN resistant line from Peking
Pioneer P1677	Corsoy(2) x Rampage
Pioneer P2981	S20 x Hark
Pioneer P9004	Maple Ridge x Lakota
Pioneer P9061	Wells x Pioneer P1677
Pioneer P9071	Pioneer P9061 x Pioneer P9181
Pioneer P9181	Beeson x Williams
Pioneer P9204	
Pioneer P9273	Pioneer 2981 x Asgrow A3127
Pioneer P9281	Hark x (Corsoy x Calland)
Pioneer P92B12	

2015 IDENTIFICATION OF PARENT STRAINS

Strain	Parentage
Pioneer P9303	Asgrow A2943 x Asgrow A5474
Pioneer P9341	CM304 x Asgrow A3127
Pioneer 93B82	
Pioneer 93B86	
Pioneer P9362	Asgrow A2943 x Asgrow A5474
Pioneer P9381	(Essex x L69-4143) x Sprite
Pioneer P9402	(L77-994 x Asgrow A3127) x L77-994
Pioneer YB280	
Pioneer YB33A99	
PR33	rust resistant line form Georgia
Pride B152	Northrup King S1346(6) x Mack
S20	L15 x C1423
S88-1318	Peking x Elf
S91-5371-17	Williams(2) x (Forrest x PI 437.654)
SD96-33	
Soy02-2	
Soygenetics 95-34480	
SS94-4337	Jack x Pioneer P9341
SS96-5637	S88-1318 x S91-5371-17
SS98-7851	Pioneer P9362 x Magellan
Stine 2660	
Syngenta 03JR101916	
Syngenta 03JR313108	
Syngenta 03JR321088	
Syngenta 04BR307588	BPR4316N x 95678-B98-51401
Syngenta 04RM819800	
Syngenta 05BR006009	SG801122200 x 96601-B99-17498
Syngenta 05JR200591	
Syngenta 06NB203585	30240-B02-15187 x 97199-A00-10391
Syngenta 06NB204846	WW115926 x 98211-A01-36153
Syngenta S10-F2	
Syngenta S18-N5	

2015 IDENTIFICATION OF PARENT STRAINS

Strain	Parentage
Syngenta S25-J5	
Syngenta S32-Z3	
Syngenta S32-Z3	
Syngenta S38-T8	
Syngenta S42-H1	
Syngenta WW115926	
T145	
T180	F3 sib of T181
T181	Non-nodulating rjl mutant in Lincoln(2) x Richland
T201	T181 x T180
U94-2306	Holt x Dairyland DSR 304
U96- 2208	Colfax x A91-701035
U97-201128	U94-2306 x UP1Fe-95-9
U98-205355	A94-773014 x Bell
U98-311442	A94-773014 x Bell
U99-009019	MSBP6S4 (Intermated population)
U01-390489	IA1008 x NE3001
U03-100612	U99-009019 x Pioneer P92B12
U03-300134	NE3202 x Pioneer P92B12
U07-336229	
235.T	line from Schillinger Seed Co.
432.TCS	line from Schillinger Seed Co.
435.TCS	line from Schillinger Seed Co.

2015 NORTHERN REGIONAL SCN TEST LOCATIONS

				Uniform Tests						Preliminary Tests			
	Location	Cooperator	SCN*	00	0	I	II	III	IV	0	I	II	III
IA	**Mason City**	S. Cianzio	I			X					X		
IA	**Newell**	S. Cianzio	I			X					X		
IA	**Ames**	S. Cianzio	I				X					X	
IA	**Moorhead**	S. Cianzio	I				X					X	
IA	**Muscatine**	S. Cianzio	I					X					X
IA	**Glenwood**	S. Cianzio	I					X					X
IL	**DeKalb**	B. Diers	I			X					X		
IL	**Pontiac**	B. Diers	I				X					X	
IL	**Arthur**	B. Diers	I					X					X
IL	**Brownstown**	B. Diers	I						X				
IL	**Urbana**	B. Diers	NI			X	X	X	X		X	X**	X
IL	**Carbondale**	S. Kantartzi	I						X				
IN	**West Lafayette**	G. Nowling	I				X	X					
KS	**Manhattan**	W. Schapaugh	I					X	X				X
KS	**Ottawa**	W. Schapaugh	NI					X	X				X
MI	**Decatur**	D. Wang	I				X**					X**	
MN	**Downer**	J. Orf	I	X									
MN	**Gary**	J. Orf	NI	X									
MN	**Danvers**	J. Orf	I		X					X			
MN	**Rosemount**	J. Orf	I		X					X			
MN	**Fairfax**	J. Orf	I		X	X	X			X	X	X	
MN	**Lamberton**	J. Orf	I			X	X				X	X	
MN	**Waseca**	J. Orf	I			X	X				X	X	
MO	**ColumbiaC2A**	A. Scaboo	I					X**					X**
MO	**ColumbiaH4A**	A. Scaboo	I						X				
MO	**Clarkton**	G. Shannon	I					X	X				
MO	**Portageville**	G. Shannon	NI					X	X				
ND	**Arthur**	T. Helms	I	X**	X**					X			
ND	**Hankinson**	T. Helms	I	X	X					X			
NE	**Columbus**	G. Graef	I				X	X				X	X
NE	**Plattsmouth**	G. Graef	I				X	X				X	X
OH	**Hoytville**	L. McHale	I				X	X					
OH	**Plain City**	L. McHale	NI					X					
ON	**Ridgetown**	M. Eskandari	I			X							
ON	**Ottawa**	E. Cober	NI	X	X								
ON	**St. Pauls**	I. Rajcan	NI		X								
ON	**Woodstock**	I. Rajcan	NI		X					X			
ON	**Chatham**	T. Welacky	I			X	X						
ON	**Harrow**	T. Welacky	I			X	X						
TN	**Jackson**	P. Arelli	NI						X				
		Total Tests		5	8	10	14	14	9	6	7	10	8

Special observation plots				00	0	I	II	III	IV	0	I	II	III
MN	Iron chlorosis	J. H. Orf	IDC	X	X	X	X						
IA	Iron chlorosis	C. Cianzio	IDC			X	X	X					
IL	SDS field screening	C. Schmidt	SDS			X	X	X	X				
IL	SCN Greenhouse	A. Colgrove	SCN	X	X	X	X	X	X	X	X	X	X

* I = infested, NI = non-infested, ** Data not submitted

2015 NORTHERN REGIONAL SCN TESTS LOCATIONS
Characteristics of *Heterodera glycines* populations

				Female Index (% of Lee 74)								
			Eggs/	HG 1	HG 2	HG 3	HG 4	HG 5	HG 6	HG 7		
	Location	HG Type	100cc	Peking	88788	90763	437654	209332	89772	Cloud	438489B	Pickett
IA	Ames	2.5.7	6320	0	**33**	0	0	**30**	x	**30**	**18**	5
IA	Glenwood	2.5.7	1320	0	**16**	0	0	**20**	0	**22**	**72**	8
IA	Mason City	2.5.7	9120	4	**53**	0	0	**24**	0	**46**	**53**	**47**
IA	Moorhead	7	880	0	7	0	0	6	0	**13**	**34**	0
IA	Muscatine	2.5.7	2960	6	**17**	2	0	**22**	0	**30**	**44**	**34**
IA	Newell	2.5.7	920	8	**56**	0	0	**52**	2	**55**	**19**	**30**
IL	Arthur		40	Insufficient eggs increased for HG typing								
IL	Brownstown	2.5.7	240	0	**25**	0	0	**14**	0	**28**	**21**	**24**
IL	Carbondale		I									
IL	DeKalb	0	320	0	2	0	0	6	0	9	**21**	1
IL	Pontiac		40									
IL	Urbana	2.5.7	200	0	**10**	0	0	**13**	0	**33**	0	1
IN	West Lafayette	2.5.7	120	0	**22**	0	0	**20**	0	**29**	**39**	7
KS	Manhattan		80									
KS	Ottawa		NI									
MI	Decatur		I									
MN	Danvers		80	Insufficient eggs increased for HG typing								
MN	Downer	2.5.7	520	0	**15**	0	0	**15**	0	**18**	**27**	4
MN	Fairfax	1.2.5.7	2080	**29**	**28**	8	0	**32**	8	**44**	**90**	**43**
MN	Gary		0									
MN	Lamberton		I									
MN	Rosemount	2.5.7	1480	0	**12**	0	0	**20**	0	**27**	4	**45**
MN	Waseca		I									
MO	Clarkton		40	Insufficient eggs increased for HG typing								
MO	ColumbiaC2A	2.5.7	360	6	**25**	2	0	**18**	2	**27**	**47**	**50**
MO	ColumbiaH4A		0									
MO	Portageville		NI									
ND	Arthur	0	6320	0	0	0	0	0	0	1	**35**	0
ND	Hankinson	7	160	0	5	0	0	8	0	**20**	6	4
NE	Columbus	2.5.7	4640	0	**14**	0	0	**11**	0	**21**	**16**	**12**
NE	Plattsmouth		40	Insufficient eggs increased for HG typing								
OH	Hoytville		80	Insufficient eggs increased for HG typing								
OH	Plain City		NI									
ON	Chatham	2.7	1920	0	**11**	0	0	5	0	**15**	**29**	4
ON	Harrow	2.5.7	2720	0	**25**	0	0	**32**	0	**40**	**11**	0
ON	Ottawa		NI									
ON	Ridgetown		I									
ON	St. Pauls		NI									
ON	Woodstock		NI									
TN	Jackson		NI									

*counts provided by cooperator

2015 NORTHERN REGIONAL SCN TESTS SCN SCREENING

1500 eggs 6 reps	HG Type 0 initial mean	FI	HG Type 0 *retest* mean	FI	HG Type 2.5.7 initial mean	FI	HG Type 2.5.7 *retest* mean	FI
Lee	166		*131*		220		*144*	
Essex	131		*101*		169		*113*	
PI548402	0	0	*0*	*0*	0	0	*0*	*0*
PI88788	4	2	*2*	*1*	51	23	*28*	*20*
PI90763	0	0	*0*	*0*	0	0	*0*	*0*
PI437654	0	0	*0*	*0*	0	0	*0*	*0*
PI209332	3	2	*0*	*0*	67	31	*29*	*20*
PI89772	0	0	*0*	*0*	0	0	*0*	*0*
PI548316	7	4	*4*	*3*	78	35	*40*	*28*
PI438489B	8	5	*0*	*0*			*27*	*19*
Pickett	9	5	*9*	*7*			*2*	*1*

**=rep data too variable to rate

			HG Type 0				HG Type 2.5.7			
SCN test	Entry	Strain	mean	**FI**	**rating**		mean	**FI**	**rating**	scn source
15SCN U00	**1**	**MN0071 (00)**	92	**55**	**LR**		154	70	**NR**	none
15SCN U00	**2**	**Henson**	131	**79**	**NR**		180	82	**NR**	none
15SCN U00,0	**3**	**MN0095**	*32*	*25*	***MR***		87	40	**LR**	none
15SCN U00	**4**	**MN0208CN**	16	**10**	**HR**		63	29	**MR**	PI 88788
15SCN U00	**5**	**M07-292111**	9	**5**	**HR**		54	25	**MR**	PI 88788
15SCN U00	**6**	**M08-359053**	48	**29**	**MR**		42	19	**R**	PI 88788,209332
15SCN U00	**7**	**M08-359176**	15	**9**	**HR**		68	31	**MR**	PI 88788,209332
15SCN U00	**8**	**ND11-19539**	129	**78**	**NR**		134	61	**NR**	PI 88788
15SCN U00	**9**	**ND11-19725**	20	**12**	**R**		*43*	*30*	***MR***	PI 88788
15SCN U0,I	**1**	**Sheyenne**	135	**81**	**NR**		136	62	**NR**	none
15SCN U0	**4**	**MN0606CN**	10	**6**	**HR**		48	22	**R**	PI 88788
15SCN U0	**5**	**M05-353163**	6	**4**	**HR**		58	26	**MR**	PI 88788
15SCN U0	**6**	**M07-296048**	10	**6**	**HR**		*17*	*12*	***R***	PI 88788
15SCN U0	**7**	**M08-151025**	8	**5**	**HR**		73	33	**MR**	PI 88788
15SCN U0	**8**	**M08-328030**	18	**11**	**R**		37	17	**R**	PI 88788
15SCN U0	**9**	**M08-354011**	11	**7**	**HR**		23	10	**R**	PI 88788
15SCN U0	**10**	**M08-357081**	*41*	**	****		142	65	**NR**	PI 88788
15SCN U0	**11**	**M08-357102**	50	**30**	**MR**		124	56	**LR**	PI 88788
15SCN U0	**12**	**M08-359053**	*14*	*11*	***R***		*59*	*41*	***LR***	PI 88788,209332
15SCN U0	**13**	**M08-359082**	14	**8**	**HR**		*35*	*25*	***MR***	PI 88788,209332
15SCN U0	**14**	**M08-362045**	6	**4**	**HR**		32	14	**R**	PI 88788, Peking
15SCN U0	**15**	**M08-427030**	79	**48**	**LR**		124	56	**LR**	PI 88788
15SCN U0	**16**	**ND10-2763**	37	**22**	**R**		*39*	*27*	***MR***	PI 88788
15SCN U0	**17**	**ND10-3464**	11	**7**	**HR**		*63*	*44*	***LR***	PI 88788

2015 NORTHERN REGIONAL SCN TESTS SCN SCREENING

			HG Type 0				HG Type 2.5.7			
SCN test	Entry	Strain	mean	FI	rating		mean	FI	rating	scn source
15SCN P0	**5**	**M09-269045**	12	**7**	**HR**		30	14	**R**	PI 88788,209332
15SCN P0	**6**	**M09-274009**	99	**60**	**NR**		83	38	**MR**	PI 88788
15SCN P0	**7**	**M09-274025**	115	**69**	**NR**		166	75	**NR**	PI 88788
15SCN P0	**8**	**M09-277002**	103	**62**	**NR**		105	48	**LR**	PI 88788
15SCN P0	**9**	**ND09-5798**	131	**79**	**NR**		*133*	*92*	***NR***	PI 88788
15SCN P0	**10**	**ND11-16223**	147	**89**	**NR**		135	61	**NR**	PI 88788
15SCN P0	**11**	**ND11-16225**	118	**71**	**NR**		180	82	**NR**	PI 88788
15SCN P0	**12**	**ND11-16241**	124	**75**	**NR**		184	84	**NR**	PI 88788
15SCN P0	**13**	**ND11-19471**	137	**83**	**NR**		120	55	**LR**	PI 88788
15SCN P0	**14**	**ND11-19483**	139	**84**	**NR**		110	50	**LR**	PI 88788
15SCN P0	**15**	**OAC 13-86C-SCN**	5	**3**	**HR**		*83*	**	****	PI 88788
15SCN U I	**1**	**MN1410**	125	**75**	**NR**		122	55	**LR**	None
15SCN U I,0	**2**	**IA1022 (SCN)**	26	**16**	**R**		28	13	**R**	PI88788
15SCN U I	**4**	**AR13-131003**	6	**4**	**HR**		*23*	*16*	***R***	PI 567516C,88788
15SCN U I	**5**	**M07-209037**	3	**2**	**HR**		15	7	**HR**	PI 88788
15SCN U I	**6**	**M07-297007**	6	**4**	**HR**		41	19	**R**	PI 88788
15SCN U I	**7**	**M08-359087**	19	**11**	**R**		42	19	**R**	PI 88788,209332
15SCN U I	**8**	**M08-362051**	2	**1**	**HR**		13	6	**HR**	PI 88788
15SCN U I	**9**	**M08-365100**	10	**6**	**HR**		55	25	**MR**	PI 88788
15SCN U I	**10**	**U11-917032**	10	**6**	**HR**		18	8	**HR**	PI 88788
15SCN P I	**4**	**AR14-147002**	105	**63**	**NR**		106	48	**LR**	PI 507354
15SCN P I	**5**	**AR14-147009**	0	**0**	**HR**		14	6	**HR**	PI 88788,437654,507354
15SCN P I	**6**	**M09-246032**	184	**111**	**NR**		133	60	**NR**	PI 88788
15SCN P I	**7**	**M09-269079**	17	**10**	**HR**		38	17	**R**	PI 88788,209332
15SCN P I	**8**	**M09-274049**	77	**46**	**LR**		122	55	**LR**	PI 88788,209332
15SCN P I	**9**	**M09-278026**	5	**3**	**HR**		31	14	**R**	PI 88788
15SCN P I	**10**	**M09-285032**	15	**9**	**HR**		35	16	**R**	PI 88788,209332
15SCN P I	**11**	**M09-285149**	2	**1**	**HR**		10	5	**HR**	PI 88788,209332
15SCN P I	**12**	**MSC09-771018**	128	**77**	**NR**		178	81	**NR**	PI 438489B
15SCN P I	**13**	**MSC09-771019**	113	**68**	**NR**		130	59	**LR**	PI 438489B
15SCN P I	**14**	**MSC09-774074**	7	**4**	**HR**		41	19	**R**	PI 567516C
15SCN P I	**15**	**MSC09-774089**	6	**4**	**HR**		40	18	**R**	PI 567516C
15SCN P I	**16**	**MSC09-776063**	*15*	****	****		*32*	**	****	PI 567516C
15SCN P I	**17**	**MSC09-777140**	*32*	****	****		32	15	**R**	PI 438489B
15SCN P I	**18**	**ORC 3313N**	21	**13**	**R**		57	26	**MR**	PI 88788
15SCN P I	**19**	**ORC 3713N**	17	**10**	**R**		60	27	**MR**	PI 88788
15SCN P I	**20**	**OAC 13-85C-SCN**	75	**45**	**MR**		105	48	**LR**	PI 88788
15SCN P I	**21**	**OAC 13-87C-SCN**	2	**1**	**HR**		36	16	**R**	PI 88788

2015 NORTHERN REGIONAL SCN TESTS SCN SCREENING

			HG Type 0				HG Type 2.5.7			
SCN test	Entry	Strain	mean	FI	rating		mean	FI	rating	scn source
15SCN U II	**1**	**IA2102**	13	**8**	**HR**		72	33	**MR**	None
15SCN U II	**4**	**LD02-4485**	6	**4**	**HR**		18	8	**HR**	PI 88788
15SCN U II	**5**	**AR12-127092**	15	**9**	**HR**		*35*	*25*	***MR***	PI 507354,88788
15SCN U II	**6**	**AR12-127102**	7	**4**	**HR**		21	10	**R**	PI 507354,88788
15SCN U II	**7**	**E11128T**	10	**6**	**HR**		49	22	**R**	PI 88788
15SCN U II	**8**	**E12007**	*89*	*68*	***NR***		151	69	**NR**	PI 88788
15SCN U II	**9**	**E12076**	17	**10**	**R**		76	35	**MR**	PI 88788
15SCN U II	**10**	**LD10-5213a**	5	**3**	**HR**		40	18	**R**	PI 88788
15SCN U II	**11**	**LD10-10198**	4	**2**	**HR**		*31*	*22*	***R***	PI 88788
15SCN U II	**12**	**LD10-14323**	8	**5**	**HR**		36	16	**R**	PI88788
15SCN U II	**13**	**LD11-4787a**	11	**7**	**HR**		16	7	**HR**	PI88788
15SCN U II	**14**	**U11-911079**	6	**4**	**HR**		23	10	**R**	PI 88788
15SCN U II	**15**	**U11-227016**	10	**6**	**HR**		31	14	**R**	PI 88788
15SCN U II	**16**	**U12-911082**	22	**13**	**R**		*42*	*29*	***MR***	PI 88788
15SCN P II	**5**	**AR13-231003**	8	**5**	**HR**		24	11	**R**	PI90763,88788
15SCN P II	**6**	**AR13-231004**	11	**7**	**HR**		34	15	**R**	PI90763,88788
15SCN P II	**7**	**AR14-247026**	6	**4**	**HR**		18	8	**HR**	PI404166
15SCN P II	**8**	**AR14-247037**	8	**5**	**HR**		22	10	**R**	PI 88788,437654,90763
15SCN P II	**9**	**AR14-247080**	0	**0**	**HR**		0	0	**HR**	PI 88788,437654,507354
15SCN P II	**10**	**E13021T**	9	**5**	**HR**		*43*	*30*	***MR***	PI 88788
15SCN P II	**11**	**E13036T**	5	**3**	**HR**		22	10	**R**	PI 88788
15SCN P II	**12**	**E13100**	*9*	*7*	***HR***		32	15	**R**	PI 88788
15SCN P II	**13**	**E13139**	11	**7**	**HR**		123	56	**LR**	PI 88788
15SCN P II	**14**	**E13212**	*22*	**13**	**R**		45	20	**R**	PI 88788
15SCN P II	**15**	**E13268**	*33*	*25*	***MR***		158	72	**NR**	PI 88788
15SCN P II	**16**	**E13364**	71	**43**	**LR**		131	60	**NR**	PI 88788
15SCN P II	**17**	**E13367**	*29*	******	******		*29*	*20*	***R***	PI 88788
15SCN P II	**18**	**E13369**	79	**48**	**LR**		134	61	**NR**	PI 88788
15SCN P II	**19**	**E13370**	*25*	*19*	***R***		147	67	**NR**	PI 88788
15SCN P II	**20**	**LD12-65**	93	**56**	**LR**		155	70	**NR**	PI 88788
15SCN P II	**21**	**LD12-459**	6	**4**	**HR**		14	6	**HR**	PI 88788
15SCN P II	**22**	**LD12-5750a**	39	**23**	**R**		67	30	**MR**	PI 88788
15SCN P II	**23**	**LD12-5816a**	30	**18**	**R**		76	35	**MR**	PI 88788
15SCN P II	**24**	**LD12-6010a**	33	**20**	**R**		127	58	**LR**	PI 88788
15SCN P II	**25**	**LD12-12701a**	7	**4**	**HR**		37	17	**R**	PI 88788
15SCN P II	**26**	**M09-269012**	5	**3**	**HR**		40	18	**R**	PI 88788,209332
15SCN P II	**27**	**M09-278112**	2	**1**	**HR**		25	11	**R**	PI 88788
15SCN P II	**28**	**M09-278134**	7	**4**	**HR**		27	12	**R**	PI 88788

2015 NORTHERN REGIONAL SCN TESTS SCN SCREENING

			HG Type 0				HG Type 2.5.7			
SCN test	Entry	Strain	mean	FI	rating		mean	FI	rating	scn source
15SCN P II	**29**	**M09-281011**	6	**4**	**HR**		14	6	**HR**	PI 88788,209332
15SCN P II	**30**	**M09-281100**	8	**5**	**HR**		26	12	**R**	PI 88788,209332
15SCN P II	**31**	**M09-285056**	8	**5**	**HR**		33	15	**R**	PI 88788,209332
15SCN P II	**32**	**MSC09-776046**	63	**38**	**MR**		90	41	**LR**	PI 567516C
15SCN P II	**33**	**MSC09-777143**	5	**3**	**HR**		21	10	**R**	PI 438489B
15SCN P II	**34**	**MSC09-778005**	4	**2**	**HR**		10	5	**HR**	PI 438489B
15SCN P II	**35**	**MSC09-778027**	6	**4**	**HR**		16	7	**HR**	PI 438489B
15SCN P II	**36**	**ORC 8412N**	9	**5**	**HR**		32	15	**R**	PI 88788
15SCN U III	**1**	**IA3023**	109	**66**	**NR**		160	73	**NR**	None
15SCN U III,II	**2**	**IA3024**	147	**89**	**NR**		156	71	**NR**	None
15SCN U III	**3**	**IA3048**	3	**2**	**HR**		41	19	**R**	PI 88788
15SCN U III	**4**	**LD07-3395bf**	2	**1**	**HR**		*1*	*1*	***HR***	PI 88788,437654
15SCN U III	**5**	**AR12-327073**	*2*	*1*	***HR***		4	2	**HR**	PI 88788,437654
15SCN U III	**6**	**AR13-331018**	1	**1**	**HR**		2	1	**HR**	PI 88788,437654
15SCN U III	**7**	**AR13-331029**	6	**4**	**HR**		43	20	**R**	PI 507354,88788
15SCN U III	**8**	**LD09-30224**	2	**1**	**HR**		24	11	**R**	PI 88788
15SCN U III	**9**	**LD10-9168**	5	**3**	**HR**		21	10	**R**	PI 88788
15SCN U III	**10**	**LD10-9200**	4	**2**	**HR**		43	20	**R**	PI 88788
15SCN U III	**11**	**LD11-2170**	23	**14**	**R**		48	22	**R**	PI 88788
15SCN U III	**12**	**LD11-2195**	11	**7**	**HR**		58	26	**MR**	PI 88788
15SCN U III	**13**	**LD11-2253**	*16*	*12*	***R***		63	29	**MR**	PI 88788
15SCN U III	**14**	**LD11-7226**	26	**16**	**R**		53	24	**R**	PI 88788
15SCN U III	**15**	**LD11-7311**	10	**6**	**HR**		38	17	**R**	PI 88788
15SCN U III	**16**	**LD11-10649**	42	**25**	**R**		46	21	**R**	PI 88788
15SCN P III	**5**	**AR12-327069**	11	**7**	**HR**		64	29	**MR**	PI 88788
15SCN P III	**6**	**AR13-231042**	23	**14**	**R**		53	24	**R**	PI 507354,88788
15SCN P III	**7**	**AR13-331023**	8	**5**	**HR**		15	7	**HR**	PI 507354,88788
15SCN P III	**8**	**AR14-347003**	10	**6**	**HR**		24	11	**R**	PI 404166,90763
15SCN P III	**9**	**AR14-347012**	11	**7**	**HR**		37	17	**R**	PI 404166,90763
15SCN P III	**10**	**AR14-347021**	4	**2**	**HR**		51	23	**R**	PI 88788,437654,90763
15SCN P III	**11**	**AR14-347022**	8	**5**	**HR**		39	18	**R**	PI 88788,437654,90763
15SCN P III	**12**	**AR14-347048**	*32*	*24*	***R***		57	26	**MR**	PI 90763,88788
15SCN P III	**13**	**LD12-1843**	18	**11**	**R**		48	22	**R**	PI 88788
15SCN P III	**14**	**LD12-2203**	11	**7**	**HR**		28	13	**R**	PI 88788
15SCN P III	**15**	**LD12-2625**	9	**5**	**HR**		*28*	*19*	***R***	PI 88788
15SCN P III	**16**	**LD12-3596**	134	**81**	**NR**		122	55	**LR**	PI 88788
15SCN P III	**17**	**LD12-3903**	*4*	*3*	***HR***		27	12	**R**	PI 88788
15SCN P III	**18**	**LD12-5953a**	50	**30**	**MR**		47	21	**R**	PI 88788

2015 NORTHERN REGIONAL SCN TESTS SCN SCREENING

			HG Type 0				HG Type 2.5.7			
SCN test	Entry	Strain	mean	**FI**	**rating**		mean	**FI**	**rating**	scn source
15SCN P III	**19**	**LD12-8534**	24	**14**	**R**		48	22	**R**	PI 88788
15SCN P III	**20**	**LD12-12717a**	9	**5**	**HR**		23	10	**R**	PI 88788
15SCN P III	**21**	**LD12-12730a**	6	**4**	**HR**		*19*	*13*	***R***	PI 88788
15SCN P III	**22**	**LD12-12734a**	7	**4**	**HR**		24	11	**R**	PI 88788
15SCN U IV	**1**	**LD06-7620**	23	**14**	**R**		51	23	**R**	PI 88788
15SCN U IV	**3**	**LD00-2817P**	1	**1**	**HR**		2	1	**HR**	PI 88788,437654
15SCN U IV	**4**	**AR13-331019**	1	**1**	**HR**		1	0	**HR**	PI 88788,437654
15SCN U IV	**5**	**K11-2363**	18	**11**	**R**		60	27	**MR**	PI 88788
15SCN U IV	**6**	**K13-1385**	9	**5**	**HR**		80	36	**MR**	PI 88788
15SCN U IV	**7**	**K13-1515**	5	**3**	**HR**		26	12	**R**	PI 88788
15SCN U IV	**8**	**K13-1613**	*4*	*3*	***HR***		73	33	**MR**	PI 88788
15SCN U IV	**9**	**K13-1615**	*19*	*15*	***R***		87	40	**LR**	PI 88788
15SCN U IV	**10**	**K13-1636**	22	**13**	**R**		58	26	**MR**	PI 88788
15SCN U IV	**11**	**K13-1643**	23	**14**	**R**		56	25	**MR**	PI 88788
15SCN U IV	**12**	**K13-1644**	23	**14**	**R**		124	56	**LR**	PI 88788
15SCN U IV	**13**	**LD12-2117**	7	**4**	**HR**		35	16	**R**	PI 88788
15SCN U IV	**14**	**LD12-7900**	28	**17**	**R**		60	27	**MR**	PI 88788
15SCN U IV	**15**	**LD12-8677**	6	**4**	**HR**		48	******	**redo**	PI 88788

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2015 SCN UNIFORM TEST 00

	Strain	Descriptive code	Parentage	Previous testing
1	MN0071 (00)	PTbr	Harmony x OT92-8	1
2	Henson	PTbl	ND03-5672 x Hamlin	New
3	MN0095	PGibl	M92-270029 x M93-313135	1
4	MN0208CN	WTy	MN0902CN X MN0201	1
5	M07-292111	WTgr	M01-315029 x MN1106CN	14 SCN U0
6	M08-359053	PTy	M02-391112 x MN1710CN	1
7	M08-359176	WTy	M02-391112 x MN1701CN	1
8	ND11-19539	WTy	Sheyenne x ND04-11111	New
9	ND11-19725	PTbr	ND03-7566 x ND03-5441	New

	Strain	Gen comp	SCN res source	Traits
1	MN0071 (00)	F5	none	Rps1
2	Henson	F4	none	Rps6
3	MN0095	F5	none	Rps1
4	MN0208CN	F5	PI 88788	Rps1a
5	M07-292111	F5	PI 88788	
6	M08-359053	F5	PI 88788,209332	
7	M08-359176	F5	PI 88788,209332	
8	ND11-19539	F4	PI 88788	Rps6
9	ND11-19725	F4	PI 88788	Rps6

		IL SCN screen				**MN IDC**
		HG Type 0		HG Type 2.5.7		Danvers
	Strain	FI	rating	FI	rating	score
1	MN0071 (00)	55	LR	70	NR	1.8
2	Henson	79	NR	82	NR	1.5
3	MN0095	25	MR	40	LR	1.0
4	MN0208CN	10	HR	29	MR	1.0
5	M07-292111	5	HR	25	MR	1.8
6	M08-359053	29	MR	19	R	1.5
7	M08-359176	9	HR	31	MR	2.8
8	ND11-19539	78	NR	61	NR	1.0
9	ND11-19725	12	R	30	MR	1.3

2015 SCN UNIFORM TEST 00

Summary

		Yield									Seed			
		All		Infested		Non-infested		Maturity	Lodging	Height	quality	weight	protein	oil
	Strain	bu/a	rank	bu/a	rank	bu/a	rank	date	score	inches	score	g/100	@13%	@13%
	Locations	4		2		2		4	4	3	3	3	3	3
1	MN0071 (00)	**29.4**	**9**	25.2	8	33.7	9	9/06	1.3	21	2.0	15.6	34.2	20.0
2	Henson	**32.2**	**7**	27.8	6	36.7	8	4	1.3	22	1.9	16.9	34.1	18.8
3	MN0095	**36.8**	**1**	29.8	4	43.9	1	4	1.3	22	1.7	13.4	34.4	19.6
4	MN0208CN	**35.7**	**2**	31.5	1	40.0	5	5	1.3	25	1.9	14.1	36.1	18.6
5	M07-292111	**35.3**	**3**	30.5	3	40.1	4	5	1.3	25	1.3	13.8	35.8	18.8
6	M08-359053	**35.1**	**4**	31.0	2	39.2	6	8	1.4	25	1.3	16.0	35.6	18.9
7	M08-359176	**33.2**	**6**	28.0	5	38.3	7	4	1.3	25	2.0	15.3	36.8	18.6
8	ND11-19539	**32.0**	**8**	23.3	9	40.8	3	3	1.3	22	1.7	15.6	34.9	19.0
9	ND11-19725	**34.4**	**5**	27.4	7	41.4	2	4	1.3	26	1.3	15.2	35.8	19.3
	Mean	**33.8**		28.3		39.3		9.9	1.3	23.7	1.7	15.1	35.3	19.1
	LSD(.05)	**4.1**		6.0		5.1		1.4	0.1	1.4				
	C.V. %	**15.1**		18.0		11.1		21.1	16.8	7.2				
	Replications	**12**		6		6		12	12	9				

2 Year Summary

		Yield									Seed			
		All		Infested		Non-infested		Maturity	Lodging	Height	quality	weight	protein	oil
	Strain	bu/a	rank	bu/a	rank	bu/a	rank	date	score	inches	score	g/100	@13%	@13%
	Locations	7		4		3		7	5	5	5	5	5	5
1	MN0071 (00)	**31.7**	5	26.3	5	39.0	5	9/09	1.1	23	1.9	15.3	34.5	18.4
3	MN0095	**41.8**	1	34.7	3	51.2	1	4	1.3	24	1.8	13.5	34.1	18.1
4	MN0208CN	**39.8**	2	35.8	2	45.2	3	6	1.5	27	1.7	14.2	35.9	17.8
6	M08-359053	**39.7**	3	35.9	1	44.8	4	8	2.4	27	1.7	16.3	35.1	17.8
7	M08-359176	**39.1**	4	34.0	4	45.9	2	5	1.3	26	2.0	15.5	36.8	17.3

2015 SCN UNIFORM TEST 00

Yield (bu/a)

		Downer MN	Hankinson ND	Gary MN	Ottawa ON
	SCN HG Type	2.5.7	7	NI	NI
	Strain				
1	MN0071 (00)	34.2	16.2	32.8	34.7
2	Henson	34.5	21.0	34.2	39.2
3	MN0095	33.5	26.0	39.7	48.0
4	MN0208CN	33.9	29.1	40.4	39.4
5	M07-292111	31.3	29.7	37.1	43.0
6	M08-359053	33.9	28.2	37.2	41.1
7	M08-359176	34.6	21.4	40.6	35.9
8	ND11-19539	28.7	17.9	40.5	41.1
9	ND11-19725	31.5	23.4	38.5	44.3
	Average	32.9	23.7	37.8	40.7
	LSD(.05)	10.9	6.2	7.1	7.7
	C.V. %	19.1	15.1	10.8	11.0
	Replications	3	3	3	3
	Row width (in.)	30	30	30	15.75

Yield (rank)

		Downer MN	Hankinson ND	Gary MN	Ottawa ON
	SCN HG Type	2.5.7	7	NI	NI
	Strain				
1	MN0071 (00)	3	9	9	9
2	Henson	2	7	8	7
3	MN0095	6	5	4	1
4	MN0208CN	4	3	3	6
5	M07-292111	8	1	7	3
6	M08-359053	4	1	6	4
7	M08-359176	1	6	1	8
8	ND11-19539	9	8	2	5
9	ND11-19725	7	4	5	2

2015 SCN UNIFORM TEST 00

Maturity

	SCN HG Type	Downer MN 2.5.7	Hankinson ND 7	Gary MN NI	Ottawa ON NI
	Strain				
1	MN0071 (00)	9/09	9/02	9/09	9/03
2	Henson	0	6	6	6
3	MN0095	0	9	2	6
4	MN0208CN	5	11	0	8
5	M07-292111	0	11	2	8
6	M08-359053	5	11	5	14
7	M08-359176	0	7	5	6
8	ND11-19539	2	6	0	7
9	ND11-19725	5	9	0	6
	Planted	5/27	5/22	5/27	5/20

Lodging (score)

	SCN HG Type	Downer MN 2.5.7	Hankinson ND 7	Gary MN NI	Ottawa ON NI
	Strain				
1	MN0071 (00)	1.0	1.0	2.0	1.0
2	Henson	1.0	1.0	2.0	1.0
3	MN0095	1.0	1.0	2.0	1.0
4	MN0208CN	1.0	1.0	2.0	1.3
5	M07-292111	1.0	1.0	2.0	1.0
6	M08-359053	1.7	1.0	2.0	1.0
7	M08-359176	1.0	1.0	2.0	1.0
8	ND11-19539	1.0	1.0	2.0	1.0
9	ND11-19725	1.0	1.0	2.0	1.0

2015 SCN UNIFORM TEST 00

Height (inches)

	SCN HG Type	Downer MN 2.5.7	Hankinson ND 7	Gary MN NI	Ottawa ON NI
	Strain				
1	MN0071 (00)	21		20	22
2	Henson	20		24	21
3	MN0095	21		25	21
4	MN0208CN	23		25	27
5	M07-292111	25		24	26
6	M08-359053	24		24	27
7	M08-359176	25		25	26
8	ND11-19539	21		23	22
9	ND11-19725	27		27	25

Seed Quality (score)

	SCN HG Type	Downer MN 2.5.7	Hankinson ND 7	Gary MN NI	Ottawa ON NI
	Strain				
1	MN0071 (00)	2.0		2.0	2.0
2	Henson	2.0		2.0	1.7
3	MN0095	2.0		2.0	1.0
4	MN0208CN	2.0		2.0	1.7
5	M07-292111	1.0		1.0	2.0
6	M08-359053	1.0		1.0	2.0
7	M08-359176	2.0		2.0	2.0
8	ND11-19539	2.0		1.0	2.0
9	ND11-19725	2.0		1.0	1.0

2015 SCN UNIFORM TEST 00

Seed Weight (g/100)

		Downer MN	Hankinson ND	Gary MN	Ottawa ON
	SCN HG Type	2.5.7	7	NI	NI
	Strain				
1	MN0071 (00)	13.5		14.0	19.4
2	Henson	14.7		14.1	21.8
3	MN0095	11.5		11.8	16.9
4	MN0208CN	12.5		12.2	17.5
5	M07-292111	11.4		12.0	17.9
6	M08-359053	13.8		13.7	20.6
7	M08-359176	13.2		13.6	19.0
8	ND11-19539	12.7		14.3	19.9
9	ND11-19725	13.0		13.6	19.0

2015 SCN UNIFORM TEST 00

Protein (%)

		Downer MN	Hankinson ND	Gary MN	Ottawa ON
	SCN HG Type	2.5.7	7	NI	NI
	Strain				
1	MN0071 (00)	34.8		33.9	33.8
2	Henson	33.6		33.7	34.9
3	MN0095	34.5		34.3	34.5
4	MN0208CN	35.1		35.7	37.6
5	M07-292111	34.3		36.6	36.5
6	M08-359053	33.5		36.2	37.1
7	M08-359176	36.5		36.5	37.4
8	ND11-19539	36.0		34.7	34.1
9	ND11-19725	34.6		35.8	37.0

Oil (%)

		Downer MN	Hankinson ND	Gary MN	Ottawa ON
	SCN HG Type	2.5.7	7	NI	NI
	Strain				
1	MN0071 (00)	20.1		19.9	19.9
2	Henson	19.5		18.0	19.0
3	MN0095	19.5		20.0	19.2
4	MN0208CN	18.8		18.7	18.3
5	M07-292111	18.9		18.9	18.7
6	M08-359053	19.3		19.1	18.3
7	M08-359176	18.3		19.2	18.2
8	ND11-19539	18.3		19.4	19.3
9	ND11-19725	18.9		20.9	18.0

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2015 SCN UNIFORM TEST 0

	Strain	Descriptive code	Parentage	Previous testing
1	Sheyenne	PGy	Pioneer 9071 x A96-492041	7
2	MN1410	WGbf	Unknown	10
3	MN0095	PGibl	M92-270029 x M93-313135	5
4	MN0606CN	WTy	MN0901 x MN0902CN	10
5	M05-353163	PTbr	MN0902CN x M99-286047	4
6	M07-296048	PTy	M01-314114 x MN1011CN	1
7	M08-151025	WGy	M00-116161 x M99-286047	1
8	M08-328030	PGbf+y	MN0308CN x M03-176076	14 SCN P I
9	M08-354011	WTy	ND03-7566 x MN1413CN	14 SCN P I
10	M08-357081	PTy	M02-383122 x IA1022	14 SCN P0
11	M08-357102	PTy	M02-383122 x IA1022	14 SCN P0
12	M08-359053	PTy	M02-391112 x MN1701CN	14 SCN U00
13	M08-359082	WGy	M02-391112 x MN1710CN	14 SCN P0
14	M08-362045	WLtbl+y	MN0606CN x U03-100612	14 SCN P0
15	M08-427030	P+WGbf	MN0504 x ND04-11603	14 SCN U00
16	ND10-2763	WGy	Sheyenne x ND03-5441	1
17	ND10-3464	WGbf	ND03-7566 x [ND03-5441 x LaMoure]	1

	Strain	Gen comp	SCN res source	Traits
1	Sheyenne	F4	none	Rsp1-c
2	MN1410	F5	none	
3	MN0095	F5	none	Rps1
4	MN0606CN	F4	PI 88788	
5	M05-353163	F5	PI 88788	
6	M07-296048	F5	PI 88788	
7	M08-1b51025	F5	PI 88788	
8	M08-328030	F5	PI 88788	protein
9	M08-354011	F5	PI 88788	
10	M08-357081	F5	PI 88788	
11	M08-357102	F5	PI 88788	
12	M08-359053	F5	PI 88788,209332	
13	M08-359082	F5	PI 88788,209332	
14	M08-362045	F5	PI 88788, Peking	
15	M08-427030	F5	PI 88788	
16	ND10-2763	F4	PI 88788	Rps6
17	ND10-3464	F4	PI 88788	Rps6

2015 SCN UNIFORM TEST 0

		IL SCN screen				MN IDC
		HG Type 0		HG Type 2.5.7		Danvers
	Strain	FI	rating	FI	rating	score
1	Sheyenne	81	NR	62	NR	3.0
2	MN1410	75	NR	55	LR	3.0
3	MN0095	25	MR	40	LR	2.3
4	MN0606CN	6	HR	22	R	4.0
5	M05-353163	4	HR	26	MR	2.3
6	M07-296048	6	HR	12	R	2.0
7	M08-151025	5	HR	33	MR	2.8
8	M08-328030	11	R	17	R	2.5
9	M08-354011	7	HR	10	R	2.3
10	M08-357081	**	**	65	NR	4.0
11	M08-357102	30	MR	56	LR	3.0
12	M08-359053	11	R	41	LR	3.5
13	M08-359082	8	HR	25	MR	3.8
14	M08-362045	4	HR	14	R	3.0
15	M08-427030	48	LR	56	LR	4.0
16	ND10-2763	22	R	27	MR	4.5
17	ND10-3464	7	HR	44	LR	2.5

**rep data too variable to rate

2015 SCN UNIFORM TEST 0
Summary

		Yield									Seed			
		All		Infested		Non-infested		Maturity	Lodging	Height	quality	weight	protein	oil
	Strain	bu/a	rank	bu/a	rank	bu/a	rank	date	score	inches	score	g/100	@13%	@13%
	Locations	7		4		3		7	7	6	6	6	6	6
1	Sheyenne	**42.1**	**5**	41.2	7	43.4	2	9/18	1.5	32	2.0	16.5	35.5	18.2
2	MN1410	**44.4**	**1**	41.1	9	48.9	1	6	1.5	34	1.7	17.6	36.0	18.4
3	MN0095	**35.6**	**17**	34.7	16	36.7	17	-4	1.6	27	2.0	13.4	36.4	18.8
4	MN0606CN	**41.5**	**6**	40.5	10	42.9	4	1	1.7	31	1.9	15.6	36.3	18.0
5	M05-353163	**40.9**	**7**	40.5	10	41.5	6	-1	1.7	32	1.8	15.5	38.1	17.4
6	M07-296048	**39.0**	**13**	38.0	13	40.3	8	1	1.7	31	1.4	16.0	36.3	17.7
7	M08-151025	**40.5**	**9**	41.3	6	39.4	13	3	1.7	31	1.8	15.7	36.8	17.9
8	M08-328030	**40.0**	**11**	40.2	12	39.8	11	1	1.4	28	1.8	17.2	39.1	18.0
9	M08-354011	**43.0**	**3**	43.0	2	43.0	3	3	1.8	31	1.7	15.1	35.8	18.7
10	M08-357081	**36.8**	**16**	34.3	17	40.2	10	1	1.8	28	1.6	16.3	36.7	18.1
11	M08-357102	**42.9**	**4**	43.0	3	42.8	5	4	1.6	31	1.8	16.9	36.6	18.0
12	M08-359053	**40.2**	**10**	41.6	5	38.3	14	0	1.9	31	2.1	16.6	37.1	18.4
13	M08-359082	**40.9**	**7**	43.0	3	38.1	15	3	1.6	33	1.9	16.6	35.9	18.8
14	M08-362045	**43.2**	**2**	44.8	1	41.0	7	2	1.8	28	1.9	15.6	36.8	18.6
15	M08-427030	**38.8**	**14**	37.6	14	40.3	8	0	1.8	34	1.7	14.8	35.1	18.5
16	ND10-2763	**37.7**	**15**	36.4	15	39.5	12	-1	1.6	29	2.0	16.2	34.9	18.5
17	ND10-3464	**39.7**	**12**	41.2	7	37.8	16	0	1.7	28	1.9	15.6	37.2	17.9
	Mean	**40.4**		40.1		40.8		19.4	1.7	30.6	1.8	15.9	36.5	18.2
	LSD(.05)	**3.5**		4.6		4.5		1.0	0.2	1.4				
	C.V. %	**14.4**		14.3		11.8		8.3	18.6	6.9				
	Replications	**40.4**		40.1		40.8		19.4	1.7	30.6	1.8	15.9	36.5	18.2

2 Year Summary

		Yield									Seed			
		All		Infested		Non-infested		Maturity	Lodging	Height	quality	weight	protein	oil
	Strain	bu/a	rank	bu/a	rank	bu/a	rank	date	score	inches	score	g/100	@13%	@13%
	Locations	18		8		10		7	13	11	12	12	12	12
1	Sheyenne	**42.6**	**2**	41.1	5	43.8	2	9/22	1.4	30	2.1	16.7	35.1	17.7
2	MN1410	**43.7**	**1**	41.4	3	45.5	1	7	1.5	34	1.7	17.1	35.5	17.9
3	MN0095	**35.6**	**9**	34.6	9	36.4	9	-6	1.4	26	1.8	13.7	35.6	18.4
4	MN0606CN	**40.1**	**7**	39.2	7	40.9	5	2	1.6	29	1.9	15.7	35.9	17.7
5	M05-353163	**42.4**	**4**	41.4	3	43.3	3	-1	1.7	32	1.9	15.9	37.5	17.0
6	M07-296048	**40.6**	**6**	40.7	6	40.5	6	0	1.8	30	1.5	16.2	35.6	17.3
7	M08-151025	**42.4**	**3**	41.8	2	42.9	4	3	1.6	29	1.6	15.8	35.9	17.2
16	ND10-2763	**37.5**	**8**	37.3	8	37.6	8	-3	1.4	27	1.9	15.7	34.7	18.2
17	ND10-3464	**42.0**	**5**	44.1	1	40.3	7	-1	1.5	28	1.9	15.7	36.4	17.5

2015 SCN UNIFORM TEST 0

Yield (bu/a)

		Danvers MN	Fairfax MN	Rosemount MN	Hankinson ND	Ottawa ON	St. Pauls ON	Woodstock ON
	SCN HG Type	Inf	1.2.5.7	2.5.7	7	NI	NI	NI
	Strain							
1	Sheyenne	52.1	49.3	37.3	26.0	51.0	51.9	27.4
2	MN1410	51.5	47.4	35.4	29.9	55.6	55.4	35.5
3	MN0095	40.3	38.6	32.6	27.4	41.8	50.9	17.3
4	MN0606CN	47.4	47.0	40.3	27.3	48.7	49.3	30.6
5	M05-353163	53.4	44.2	39.6	24.7	45.1	49.8	29.6
6	M07-296048	48.6	44.7	35.3	23.3	48.1	43.1	29.7
7	M08-151025	44.8	51.1	38.5	30.8	49.7	47.1	21.4
8	M08-328030	48.7	43.6	39.3	29.4	44.5	51.1	23.8
9	M08-354011	47.0	53.4	38.4	33.3	47.0	52.5	29.4
10	M08-357081	49.8	29.2	31.5	26.6	47.4	47.7	25.5
11	M08-357102	47.3	51.2	42.4	31.0	48.5	50.5	29.4
12	M08-359053	51.2	45.3	36.2	33.5	43.8	48.3	23.0
13	M08-359082	49.1	53.0	39.3	30.6	42.5	47.8	23.7
14	M08-362045	54.1	52.6	40.5	32.1	47.5	51.4	24.2
15	M08-427030	54.4	35.8	32.2	28.0	45.9	49.7	25.4
16	ND10-2763	50.8	29.7	39.4	25.6	42.6	52.1	23.8
17	ND10-3464	51.7	43.6	41.4	28.1	43.7	46.8	22.8
	Average	49.5	44.7	37.6	28.7	46.7	49.7	26.0
	LSD(.05)	10.1	9.2	8.5	8.7	4.3	9.2	7.8
	C.V. %	12.2	12.4	13.5	18.2	5.5	11.1	18.1
	Replications	3	3	3	3	3	3	3
	Row width (in.)	30	30	30	30	15.75	14	14

2015 SCN UNIFORM TEST 0

Yield (rank)

		Danvers MN	Fairfax MN	Rosemount MN	Hankinson ND	Ottawa ON	St. Pauls ON	Woodstock ON
	SCN HG Type	Inf	1.2.5.7	2.5.7	7	NI	NI	NI
	Strain							
1	Sheyenne	4	6	11	15	2	4	7
2	MN1410	6	7	13	7	1	1	1
3	MN0095	17	14	15	11	17	7	17
4	MN0606CN	13	8	4	12	4	11	2
5	M05-353163	3	11	5	18	11	9	4
6	M07-296048	12	10	14	19	6	17	3
7	M08-151025	16	5	9	5	3	15	16
8	M08-328030	11	12	7	8	12	6	11
9	M08-354011	15	1	10	2	9	2	5
10	M08-357081	9	17	17	14	8	14	8
11	M08-357102	14	4	1	4	5	8	5
12	M08-359053	7	9	12	1	13	12	14
13	M08-359082	10	2	7	6	16	13	13
14	M08-362045	2	3	3	3	7	5	10
15	M08-427030	1	15	16	10	10	10	9
16	ND10-2763	8	16	6	16	15	3	11
17	ND10-3464	5	12	2	9	14	16	15

2015 SCN UNIFORM TEST 0

Maturity

		Danvers	Fairfax	Rosemount	Hankinson	Ottawa	St. Pauls	Woodstock
		MN	MN	MN	ND	ON	ON	ON
	SCN HG Type	Inf	1.2.5.7	2.5.7	7	NI	NI	NI
	Strain							
1	Sheyenne	9/25	9/14	9/10	9/16	9/23	9/20	9/18
2	MN1410	3	4	12	8	0	7	9
3	MN0095	-9	0	1	-3	-12	-3	-1
4	MN0606CN	-3	1	7	2	-4	6	18*
5	M05-353163	-5	0	6	-1	-9	-1	5
6	M07-296048	-4	2	7	3	-6	-1	7
7	M08-151025	-1	4	6	2	0	8	6
8	M08-328030	-1	-2	5	3	-4	0	4
9	M08-354011	-1	4	8	2	-1	3	9
10	M08-357081	-7	2	12	1	-8	2	5
11	M08-357102	-1	4	12	1	-5	8	7
12	M08-359053	-5	0	6	-3	-7	1	5
13	M08-359082	-2	2	10	1	-2	8	7
14	M08-362045	-4	0	7	1	-5	6	8
15	M08-427030	0	-2	5	-1	-6	0	6
16	ND10-2763	-5	0	5	-3	-8	-1	5
17	ND10-3464	-6	2	7	-1	-5	-1	4
	Planted	6/02	5/21	6/06	5/23	5/22	5/21	6/05

2015 SCN UNIFORM TEST 0

Lodging (score)

		Danvers	Fairfax	Rosemount	Hankinson	Ottawa	St. Pauls	Woodstock
		MN	MN	MN	ND	ON	ON	ON
	SCN HG Type	Inf	1.2.5.7	2.5.7	7	NI	NI	NI
	Strain							
1	Sheyenne	2.0	2.0	1.7	1.0	1.0	1.7	1.0
2	MN1410	2.3	2.0	1.7	1.0	1.0	1.7	1.0
3	MN0095	2.0	2.0	2.3	1.0	1.0	1.5	1.0
4	MN0606CN	2.3	2.0	2.7	1.0	1.0	2.0	1.0
5	M05-353163	2.3	2.0	3.0	1.0	1.0	1.8	1.0
6	M07-296048	2.0	2.0	2.7	1.0	1.0	2.2	1.0
7	M08-151025	2.3	2.0	3.0	1.0	1.0	1.5	1.0
8	M08-328030	1.7	2.0	1.7	1.0	1.0	1.2	1.0
9	M08-354011	3.0	2.0	3.3	1.0	1.0	1.5	1.0
10	M08-357081	2.3	2.0	2.7	1.0	1.0	2.3	1.0
11	M08-357102	2.0	2.0	2.3	1.0	1.0	2.0	1.0
12	M08-359053	2.3	2.0	3.0	1.0	1.0	2.7	1.0
13	M08-359082	2.0	2.0	2.7	1.0	1.0	1.7	1.0
14	M08-362045	3.0	2.0	3.3	1.0	1.0	1.2	1.0
15	M08-427030	2.3	2.0	2.7	1.0	1.0	2.3	1.0
16	ND10-2763	2.3	2.0	2.0	1.0	1.0	1.5	1.0
17	ND10-3464	2.3	2.0	3.0	1.0	1.0	1.7	1.0

2015 SCN UNIFORM TEST 0

Height (inches)

		Danvers	Fairfax	Rosemount	Hankinson	Ottawa	St. Pauls	Woodstock
		MN	MN	MN	ND	ON	ON	ON
	SCN HG Type	Inf	1.2.5.7	2.5.7	7	NI	NI	NI
	Strain							
1	Sheyenne	34	35	32		26	40	23
2	MN1410	35	42	35		26	42	27
3	MN0095	33	24	30		21	35	20
4	MN0606CN	39	31	32		25	36	25
5	M05-353163	38	26	34		27	40	28
6	M07-296048	36	30	32		25	37	26
7	M08-151025	35	35	33		24	37	23
8	M08-328030	32	28	32		23	31	19
9	M08-354011	36	31	33		23	38	25
10	M08-357081	33	28	29		22	37	21
11	M08-357102	33	31	32		25	40	24
12	M08-359053	34	34	32		27	36	24
13	M08-359082	37	36	33		26	39	24
14	M08-362045	32	27	31		22	31	23
15	M08-427030	39	29	37		33	41	27
16	ND10-2763	34	32	31		24	33	21
17	ND10-3464	32	28	30		22	36	22

2015 SCN UNIFORM TEST 0

Seed Quality (score)

		Danvers	Fairfax	Rosemount	Hankinson	Ottawa	St. Pauls	Woodstock
		MN	MN	MN	ND	ON	ON	ON
	SCN HG Type	Inf	1.2.5.7	2.5.7	7	NI	NI	NI
	Strain							
1	Sheyenne	2.0	2.0	2.0		2.0	2.5	1.5
2	MN1410	2.0	2.0	2.0		1.3	1.5	1.5
3	MN0095	2.0	2.0	3.0		1.7	1.5	1.5
4	MN0606CN	2.0	2.0	2.0		1.7	2.0	1.5
5	M05-353163	2.0	2.0	2.0		2.0	1.5	1.5
6	M07-296048	1.0	1.0	2.0		1.0	2.0	1.5
7	M08-151025	2.0	2.0	2.0		1.3	2.0	1.5
8	M08-328030	2.0	2.0	2.0		1.7	1.5	1.5
9	M08-354011	2.0	2.0	2.0		1.0	1.5	1.5
10	M08-357081	1.0	2.0	2.0		1.3	1.5	1.5
11	M08-357102	1.0	2.0	3.0		2.0	1.5	1.5
12	M08-359053	2.0	2.0	2.0		2.0	2.0	2.5
13	M08-359082	2.0	2.0	2.0		2.0	2.0	1.5
14	M08-362045	2.0	2.0	2.0		1.7	2.0	1.5
15	M08-427030	2.0	2.0	2.0		1.0	1.5	1.5
16	ND10-2763	2.0	2.0	2.0		2.7	2.0	1.5
17	ND10-3464	2.0	2.0	2.0		1.7	2.0	1.5

2015 SCN UNIFORM TEST 0

Seed Weight (g/100)

		Danvers	Fairfax	Rosemount	Hankinson	Ottawa	St. Pauls	Woodstock
		MN	MN	MN	ND	ON	ON	ON
	SCN HG Type	Inf	1.2.5.7	2.5.7	7	NI	NI	NI
	Strain							
1	Sheyenne	17.8	14.2	12.2		20.1	19.9	14.9
2	MN1410	18.4	15.4	13.3		21.2	19.5	17.6
3	MN0095	14.5	12.3	9.3		16.2	16.8	11.3
4	MN0606CN	15.7	14.0	11.7		19.2	18.0	14.8
5	M05-353163	16.9	13.3	11.5		18.3	19.0	13.7
6	M07-296048	17.8	15.2	12.6		19.2	15.9	15.1
7	M08-151025	16.5	14.6	12.5		18.7	18.2	13.9
8	M08-328030	18.3	16.1	13.8		19.5	19.9	15.3
9	M08-354011	16.1	13.8	12.2		17.9	16.4	14.3
10	M08-357081	16.3	15.0	12.9		20.7	17.3	15.4
11	M08-357102	17.8	15.7	13.4		21.3	16.7	16.6
12	M08-359053	17.1	15.7	12.9		20.6	17.8	15.5
13	M08-359082	17.2	14.6	13.7		20.9	18.5	14.6
14	M08-362045	16.0	13.3	13.0		19.5	17.1	14.6
15	M08-427030	15.3	11.5	12.2		17.8	17.6	14.4
16	ND10-2763	16.0	13.3	13.7		21.2	17.5	15.5
17	ND10-3464	15.5	13.4	13.9		19.2	18.3	13.5

2015 SCN UNIFORM TEST 0
Protein (%)

		Danvers	Fairfax	Rosemount	Hankinson	Ottawa	St. Pauls	Woodstock
		MN	MN	MN	ND	ON	ON	ON
	SCN HG Type	Inf	1.2.5.7	2.5.7	7	NI	NI	NI
	Strain							
1	Sheyenne	35.9	35.6	34.6		34.7	35.8	36.5
2	MN1410	37.2	32.5	35.8		36.7	36.9	36.8
3	MN0095	34.7	36.1	38.6		34.9	36.9	37.1
4	MN0606CN	36.6	34.5	36.0		36.2	37.1	37.1
5	M05-353163	38.7	36.3	38.5		37.8	38.5	38.8
6	M07-296048	36.5	34.9	35.7		36.6	37.0	37.2
7	M08-151025	37.0	35.1	38.0		36.1	36.5	37.8
8	M08-328030	39.3	38.5	38.5		38.9	39.3	39.8
9	M08-354011	36.2	33.8	35.7		36.7	36.3	36.4
10	M08-357081	36.7	34.4	37.3		36.9	37.3	37.3
11	M08-357102	37.5	35.6	35.3		36.9	36.9	37.1
12	M08-359053	37.2	37.2	35.8		37.1	37.5	37.6
13	M08-359082	34.6	36.0	35.7		36.0	36.4	36.7
14	M08-362045	36.4	38.0	36.0		36.5	37.0	37.0
15	M08-427030	34.5	34.1	34.9		34.9	35.7	36.5
16	ND10-2763	33.6	34.6	33.7		35.8	35.4	36.5
17	ND10-3464	34.8	36.6	36.4		39.2	38.6	37.8

Oil (%)

		Danvers	Fairfax	Rosemount	Hankinson	Ottawa	St. Pauls	Woodstock
		MN	MN	MN	ND	ON	ON	ON
	SCN HG Type	Inf	1.2.5.7	2.5.7	7	NI	NI	NI
	Strain							
1	Sheyenne	18.0	18.8	18.0		18.8	17.7	18.0
2	MN1410	17.9	18.0	18.7		19.1	18.4	18.4
3	MN0095	19.4	19.6	18.8		19.1	17.8	18.2
4	MN0606CN	17.5	18.7	17.6		18.4	17.7	18.3
5	M05-353163	17.2	17.9	17.5		17.5	16.9	17.5
6	M07-296048	17.0	18.2	17.9		17.9	17.4	17.8
7	M08-151025	17.8	17.9	18.1		18.3	17.5	17.7
8	M08-328030	18.0	18.7	17.9		18.0	17.5	17.7
9	M08-354011	18.8	19.2	18.7		18.7	18.3	18.7
10	M08-357081	18.4	18.2	17.8		18.4	17.6	18.1
11	M08-357102	17.9	18.1	18.4		18.3	17.5	17.9
12	M08-359053	18.5	18.7	19.6		18.2	17.6	17.8
13	M08-359082	19.2	19.3	19.5		19.1	17.8	18.0
14	M08-362045	18.2	18.8	19.7		18.5	17.9	18.4
15	M08-427030	18.5	19.1	17.9		19.3	18.0	18.2
16	ND10-2763	19.3	18.4	18.8		18.8	17.7	18.0
17	ND10-3464	18.7	18.0	18.4		17.6	16.9	17.9

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2015 SCN PRELIMINARY TEST 0

	Strain	Descriptive code	Parentage
1	Sheyenne	PGy	Pioneer 9071 x A96-492041
2	MN1410	WGbf	Unknown
3	MN0095	PGibl	M92-270029 x M93-313135
4	MN0606CN	WTy	MN0901 x MN0902CN
5	M09-269045	Pty	MN0908CN x LD02-4485
6	M09-274009	P+WTy	MN0208CN x LD02-4485
7	M09-274025	PGbf	MN0208CN x LD02-4485
8	M09-277002	WGbf	LD04-8782 x IA1022
9	ND09-5798	PTy	ND03-7267 x Sheyenne
10	ND11-16223	PGy	Sheyenne(2) x ND03-7566
11	ND11-16225	PGy	Sheyenne(2) x ND03-7566
12	ND11-16241	PGy	Sheyenne(2) x ND03-7566
13	ND11-19471	PGy	Sheyenne x ND04-12689
14	ND11-19483	PGy	Sheyenne x ND04-12689
15	OAC 13-86C-SCN	PTbr	SC Starfield (SCN) x OAC Wallace

	Strain	Gen comp	SCN res source	Traits
1	Sheyenne	F4	none	Rsp1-c
2	MN1410	F5	none	
3	MN0095	F5	none	Rps1
4	MN0606CN	F4	PI 88788	
5	M09-269045	F5	PI 88788,209332	
6	M09-274009	F5	PI 88788	
7	M09-274025	F5	PI 88788	
8	M09-277002	F5	PI 88788	
9	ND09-5798	F4	PI 88788	Rps6
10	ND11-16223	F4	PI 88788	Rps1c
11	ND11-16225	F4	PI 88788	Rps1c
12	ND11-16241	F4	PI 88788	Rps1c
13	ND11-19471	F4	PI 88788	Rps1c
14	ND11-19483	F4	PI 88788	Rps1c
15	OAC 13-86C-SCN	F4	PI 88788	

2015 SCN PRELIMINARY TEST 0

		IL SCN screen				MN IDC
		HG Type 0		HG Type 2.5.7		Danvers
	Strain	FI	rating	FI	rating	score
1	Sheyenne	81	NR	62	NR	3.0
2	MN1410	75	NR	55	LR	4.0
3	MN0095	25	MR	40	LR	2.0
4	MN0606CN	6	HR	22	R	4.0
5	M09-269045	7	HR	14	R	3.5
6	M09-274009	60	NR	38	MR	3.0
7	M09-274025	69	NR	75	NR	2.3
8	M09-277002	62	NR	48	LR	2.8
9	ND09-5798	79	NR	92	NR	2.5
10	ND11-16223	89	NR	61	NR	3.0
11	ND11-16225	71	NR	82	NR	4.0
12	ND11-16241	75	NR	84	NR	4.0
13	ND11-19471	83	NR	55	LR	3.8
14	ND11-19483	84	NR	50	LR	3.0
15	OAC 13-86C-SCN	3	HR	56	LR	4.3

2015 SCN PRELIMINARY TEST 0

Summary

		Yield									Seed			
		All		Infested		Non-infested		Maturity	Lodging	Height	quality	weight	protein	oil
	Strain	bu/a	rank	bu/a	rank	bu/a	rank	date	score	inches	score	g/100	@13%	@13%
	Locations	6		5		1		5	4	3	4	4	4	4
1	Sheyenne	**29.4**	**14**	28.7	14	33.3	10	9/15	1.4	32	1.4	14.5	35.1	18.2
2	MN1410	**34.1**	**3**	32.7	4	41.6	3	7	1.7	31	1.6	14.8	36.4	18.0
3	MN0095	**31.2**	**8**	31.7	7	29.0	14	-4	1.5	27	1.6	11.7	36.0	18.5
4	MN0606CN	**36.9**	**1**	36.4	1	39.4	6	4	1.7	32	1.6	14.1	35.3	18.4
5	M09-269045	**34.7**	**2**	33.1	3	43.0	1	3	1.6	33	2.0	13.9	35.9	18.2
6	M09-274009	**29.2**	**15**	29.9	12	25.7	15	3	1.5	33	1.4	13.8	36.3	17.4
7	M09-274025	**33.8**	**4**	34.2	2	32.4	12	-2	1.4	27	1.4	15.2	36.1	18.6
8	M09-277002	**30.7**	**11**	29.0	13	39.4	6	8	1.7	32	1.6	19.8	38.2	18.1
9	ND09-5798	**31.0**	**9**	30.1	10	36.0	8	2	1.2	28	1.8	14.7	34.6	18.9
10	ND11-16223	**30.2**	**13**	30.1	10	30.7	13	2	1.3	31	1.8	13.4	34.6	18.2
11	ND11-16225	**30.7**	**11**	28.7	14	41.3	4	1	1.3	32	1.6	14.4	34.6	18.5
12	ND11-16241	**31.7**	**7**	30.2	9	39.6	5	1	1.5	32	1.5	13.1	35.5	18.4
13	ND11-19471	**32.2**	**6**	31.9	6	34.2	9	-1	1.4	33	1.8	12.8	34.6	18.6
14	ND11-19483	**33.7**	**5**	31.9	5	43.0	1	1	1.6	32	1.6	13.9	34.7	18.6
15	OAC 13-86C-SCN	**30.9**	**10**	30.6	8	32.6	11	2	1.5	30	1.9	17.1	34.9	18.5
	Mean	**32.0**		31.3		36.1		16.8	1.5	31.0	1.6	14.5	35.5	18.3
	LSD(.05)	**3.6**		3.4		9.2		1.0	0.2	2.6				
	C.V. %	**17.0**		15.2		12.0		8.8	22.5	8.5				
	Replications	**14**		15		2		14	12	8				

2015 SCN PRELIMINARY TEST 0

Yield (bu/a)

		Danvers MN	Fairfax MN	Rosemount MN	Arthur ND	Hankinson ND	Woodstock ON
	SCN HG Type	Inf	1.2.5.7	2.5.7	0	7	NI
	Strain						
1	Sheyenne	57.6	19.4	26.9	12.5	30.5	33.3
2	MN1410	51.5	19.4	36.9	15.4	37.3	41.6
3	MN0095	50.8	19.1	37.7	14.6	32.8	29.0
4	MN0606CN	53.3	30.7	27.4	26.4	45.2	39.4
5	M09-269045	46.9	30.8	29.0	19.7	39.5	43.0
6	M09-274009	52.4	28.4	29.2	13.2	28.3	25.7
7	M09-274025	59.3	26.7	38.2	11.5	28.3	32.4
8	M09-277002	52.6	21.3	32.6	11.9	26.7	39.4
9	ND09-5798	53.0	23.9	37.2	12.6	27.7	36.0
10	ND11-16223	50.9	20.6	36.1	12.3	30.6	30.7
11	ND11-16225	49.2	21.3	26.9	12.2	33.9	41.3
12	ND11-16241	50.3	22.6	36.6	13.7	27.8	39.6
13	ND11-19471	52.8	26.6	36.3	11.8	31.8	34.2
14	ND11-19483	53.2	22.6	33.1	14.0	36.8	43.0
15	OAC 13-86C-SCN	48.8	30.2	30.3	13.3	34.9	32.6
	Average	52.2	23.8	33.0	14.3	32.8	36.1
	LSD(.05)	15.3	7.9	15.5	4.6	6.2	9.2
	C.V. %	13.7	15.2	22.0	19.3	11.3	11.9
	Replications	3	3	3	3	3	2
	Row width (in.)	30	30	30	30	30	14

2015 SCN PRELIMINARY TEST 0

Yield (rank)

		Danvers MN	Fairfax MN	Rosemount MN	Arthur ND	Hankinson ND	Woodstock ON
	SCN HG Type	Inf	1.2.5.7	2.5.7	0	7	NI
	Strain						
1	Sheyenne	2	13	14	10	10	10
2	MN1410	9	13	4	3	3	3
3	MN0095	11	15	2	4	7	14
4	MN0606CN	3	2	13	1	1	6
5	M09-269045	15	1	12	2	2	1
6	M09-274009	8	4	11	8	11	15
7	M09-274025	1	5	1	15	2	12
8	M09-277002	7	10	9	13	15	6
9	ND09-5798	5	7	3	9	14	8
10	ND11-16223	10	12	7	11	9	13
11	ND11-16225	13	10	15	12	6	4
12	ND11-16241	12	8	5	6	13	5
13	ND11-19471	6	6	6	14	8	9
14	ND11-19483	4	8	8	5	4	1
15	OAC 13-86C-SCN	14	3	10	7	5	11

2015 SCN PRELIMINARY TEST 0

Maturity

		Danvers MN	Fairfax MN	Rosemount MN	Arthur ND	Hankinson ND	Woodstock ON
	SCN HG Type	Inf	1.2.5.7	2.5.7	0	7	NI
	Strain						
1	Sheyenne	9/23	9/12	9/15	9/13	9/14	9/17
2	MN1410	3	2	11	11	7	6
3	MN0095	-9	2	-4	-5	-8	-2
4	MN0606CN	-1	4	8	7	5	4
5	M09-269045	-1	6	5	7	0	2
6	M09-274009	-1	4	5	7	2	2
7	M09-274025	-8	0	-1	1	-1	-1
8	M09-277002	3	2	11	13	10	8
9	ND09-5798	0	3	1	3	2	0
10	ND11-16223	1	3	1	4	1	0
11	ND11-16225	-1	4	1	2	1	1
12	ND11-16241	0	4	-1	1	1	-1
13	ND11-19471	-4	2	0	0	0	-4
14	ND11-19483	-2	4	1	0	0	1
15	OAC 13-86C-SCN	0	5	3	2	2	1
	Planted	6/02	5/21	6/06	5/23	5/22	5/22

2015 SCN PRELIMINARY TEST 0

Lodging (score)

		Danvers MN	Fairfax MN	Rosemount MN	Arthur ND	Hankinson ND	Woodstock ON
	SCN HG Type	Inf	1.2.5.7	2.5.7	0	7	NI
	Strain						
1	Sheyenne	2.0		2.0	1.0	1.0	1.0
2	MN1410	2.5		3.0	1.0	1.0	1.0
3	MN0095	1.5		3.0	1.0	1.0	1.0
4	MN0606CN	2.5		3.0	1.0	1.0	1.0
5	M09-269045	2.0		3.0	1.0	1.0	1.0
6	M09-274009	2.0		2.5	1.0	1.0	1.0
7	M09-274025	1.5		2.5	1.0	1.0	1.0
8	M09-277002	2.5		3.0	1.0	1.0	1.0
9	ND09-5798	1.5		1.5	1.0	1.0	1.0
10	ND11-16223	1.0		2.5	1.0	1.0	1.0
11	ND11-16225	1.5		2.0	1.0	1.0	1.0
12	ND11-16241	2.5		2.0	1.0	1.0	1.0
13	ND11-19471	1.5		2.5	1.0	1.0	1.0
14	ND11-19483	2.0		3.0	1.0	1.0	1.0
15	OAC 13-86C-SCN	2.0		2.5	1.0	1.0	1.0

Height (inches)

		Danvers MN	Fairfax MN	Rosemount MN	Arthur ND	Hankinson ND	Woodstock ON
	SCN HG Type	Inf	1.2.5.7	2.5.7	0	7	NI
	Strain						
1	Sheyenne	39	25	36			26
2	MN1410	33	25	38			29
3	MN0095	32	24	29			23
4	MN0606CN	32	31	38			27
5	M09-269045	39	31	33			28
6	M09-274009	41	27	36			26
7	M09-274025	32	22	32			24
8	M09-277002	37	24	38			30
9	ND09-5798	35	23	30			26
10	ND11-16223	36	26	36			25
11	ND11-16225	38	25	37			29
12	ND11-16241	39	29	36			24
13	ND11-19471	40	31	36			27
14	ND11-19483	38	27	36			28
15	OAC 13-86C-SCN	33	31	33			25

2015 SCN PRELIMINARY TEST 0

Seed Quality (score)

		Danvers	Fairfax	Rosemount	Arthur	Hankinson	Woodstock
		MN	MN	MN	ND	ND	ON
	SCN HG Type	Inf	1.2.5.7	2.5.7	0	7	NI
	Strain						
1	Sheyenne	1.0	2.0	1.0			1.5
2	MN1410	1.0	2.0	2.0			1.5
3	MN0095	1.0	2.0	2.0			1.5
4	MN0606CN	1.0	2.0	2.0			1.5
5	M09-269045	2.0	2.0	2.0			2.0
6	M09-274009	2.0	1.0	1.0			1.5
7	M09-274025	1.0	2.0	1.0			1.5
8	M09-277002	1.0	2.0	2.0			1.5
9	ND09-5798	1.0	2.0	2.0			2.0
10	ND11-16223	2.0	2.0	1.0			2.0
11	ND11-16225	1.0	3.0	1.0			1.5
12	ND11-16241	1.0	2.0	1.0			2.0
13	ND11-19471	1.0	2.0	2.0			2.0
14	ND11-19483	1.0	2.0	2.0			1.5
15	OAC 13-86C-SCN	2.0	2.0	2.0			1.5

Seed Weight (g/100)

		Danvers	Fairfax	Rosemount	Arthur	Hankinson	Woodstock
		MN	MN	MN	ND	ND	ON
	SCN HG Type	Inf	1.2.5.7	2.5.7	0	7	NI
	Strain						
1	Sheyenne	16.4	13.8	12.6			15.2
2	MN1410	16.8	12.8	13.3			16.2
3	MN0095	12.5	11.6	10.2			12.6
4	MN0606CN	14.7	13.7	13.7			14.4
5	M09-269045	15.7	12.9	12.7			14.1
6	M09-274009	15.1	13.4	13.4			13.4
7	M09-274025	15.8	14.3	13.7			16.8
8	M09-277002	22.6	19.3	16.8			20.5
9	ND09-5798	16.0	13.7	13.2			15.7
10	ND11-16223	14.9	12.9	12.7			13.1
11	ND11-16225	16.5	12.7	12.6			15.6
12	ND11-16241	14.1	12.4	12.5			13.5
13	ND11-19471	14.3	12.6	11.9			12.3
14	ND11-19483	16.0	13.5	12.1			14.1
15	OAC 13-86C-SCN	17.1	17.7	16.0			17.7

2015 SCN PRELIMINARY TEST 0

Protein (%)

		Danvers MN	Fairfax MN	Rosemount MN	Arthur ND	Hankinson ND	Woodstock ON
	SCN HG Type	Inf	1.2.5.7	2.5.7	0	7	NI
	Strain						
1	Sheyenne	34.1	36.4	34.9			35.1
2	MN1410	35.2	38.9	35.9			35.8
3	MN0095	35.1	36.1	36.6			36.2
4	MN0606CN	34.8	34.6	35.9			35.8
5	M09-269045	35.7	35.7	35.9			36.3
6	M09-274009	35.6	35.8	36.2			37.6
7	M09-274025	36.5	37.0	34.1			36.7
8	M09-277002	37.9	39.5	38.1			37.1
9	ND09-5798	33.3	35.3	34.5			35.4
10	ND11-16223	32.5	36.0	34.3			35.4
11	ND11-16225	33.7	34.7	35.2			34.9
12	ND11-16241	35.5	36.6	34.9			34.8
13	ND11-19471	33.0	35.2	35.8			34.5
14	ND11-19483	33.0	34.9	36.4			34.4
15	OAC 13-86C-SCN	34.4	34.5	34.5			36.1

Oil (%)

		Danvers MN	Fairfax MN	Rosemount MN	Arthur ND	Hankinson ND	Woodstock ON
	SCN HG Type	Inf	1.2.5.7	2.5.7	0	7	NI
	Strain						
1	Sheyenne	18.2	18.5	17.8			18.4
2	MN1410	18.7	16.5	18.1			18.9
3	MN0095	18.2	19.6	17.8			18.4
4	MN0606CN	18.3	19.1	17.6			18.4
5	M09-269045	17.9	18.8	17.8			18.2
6	M09-274009	17.3	17.6	17.2			17.7
7	M09-274025	19.7	18.2	18.4			18.2
8	M09-277002	18.2	17.6	18.5			18.1
9	ND09-5798	18.8	19.2	18.7			18.7
10	ND11-16223	18.4	18.3	17.9			18.2
11	ND11-16225	18.5	19.2	18.2			18.3
12	ND11-16241	19.1	19.3	17.1			18.3
13	ND11-19471	18.8	19.7	17.7			18.1
14	ND11-19483	18.8	19.6	17.2			18.6
15	OAC 13-86C-SCN	18.2	19.1	17.9			18.8

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2015 SCN UNIFORM TEST I

	Strain	Descriptive code	Parentage	Previous testing
1	MN1410	WGbf	Unknown	10
2	IA1022 (SCN)	PGy	Dairyland 98822 x A00-711024	8
3	Sheyenne (0)	PGy	Pioneer 9071 x A96-492041	7
4	AR13-131003	PGibl	AR05-250101 x PI 567516C	14 SCN P I
5	M07-209037	WGy	M90-184111 x MN0606CN	2
6	M07-297007	P+WTbl	MN0902CN x LD02-5320	1
7	M08-359087	WTy	M02-391112 x MN1701CN	14 SCN P I
8	M08-362051	PGy	MN0606CN x U03-100612	14 SCN P I
9	M08-365100	PGibl	M90-184111 x U03-100612	14 SCN P I
10	U11-917032	PTbl	LD02-4485 x U03-100612	1

	Strain	Gen comp	SCN res source	Traits
1	MN1410	F5	None	
2	IA1022 (SCN)	F5	PI 88788	
3	Sheyenne (0)	F4	None	Rsp1-c
4	AR13-131003	F5	PI 567516C,88788	IDC
5	M07-209037	F5	PI 88788	
6	M07-297007	F5	PI 88788	
7	M08-359087	F5	PI 88788,209332	
8	M08-362051	F5	PI 88788	
9	M08-365100	F5	PI 88788	
10	U11-917032	F6	PI 88788	

2015 SCN UNIFORM TEST I

		IL SCN screen				ISU IDC	MN IDC	SIU SDS
		HG Type 0		HG Type 2.5.7		Ames	Danvers	Valmeyer
	Strain	FI	rating	FI	rating	score	score	DX
1	MN1410	75	NR	55	LR	2.3	4.0	18
2	IA1022 (SCN)	16	R	13	R	2.5	4.9	21
3	Sheyenne (0)	81	NR	62	NR	1.4	2.5	1
4	AR13-131003	4	HR	16	R	2.0	3.8	6
5	M07-209037	2	HR	7	HR	2.0	3.3	2
6	M07-297007	4	HR	19	R	2.3	3.3	1
7	M08-359087	11	R	19	R	1.3	3.3	3
8	M08-362051	1	HR	6	HR	2.3	3.3	1
9	M08-365100	6	HR	25	MR	2.4	3.3	0
10	U11-917032	6	HR	8	HR	2.8	3.0	0
					A11 (res)	1.4	Res	1
					IA3049 (sus)	2.5	Sus	17
							LSD	14

2015 SCN UNIFORM TEST I

Summary

		Yield									Seed			
		All		Infested		Non-infested		Maturity	Lodging	Height	quality	weight	protein	oil
	Strain	bu/a	rank	bu/a	rank	bu/a	rank	date	score	inches	score	g/100	@13%	@13%
	Locations	**10**		10		0		9	9	10	9	9	9	9
1	MN1410	**48.6**	**9**	48.6	9			9/15	1.5	31	1.6	15.7	36.0	18.8
2	IA1022 (SCN)	**56.8**	**8**	56.8	8			5	1.6	31	1.5	15.7	33.1	20.2
3	Sheyenne (0)	**40.2**	**10**	40.2	10			-5	1.2	26	2.0	15.2	35.5	18.8
4	AR13-131003	**60.9**	**1**	60.9	1			6	1.6	32	1.1	17.7	33.9	19.6
5	M07-209037	**60.7**	**2**	60.7	2			4	1.6	30	1.4	15.6	32.6	20.0
6	M07-297007	**58.8**	**5**	58.8	5			6	1.5	32	1.3	15.0	36.4	18.4
7	M08-359087	**56.9**	**7**	56.9	7			4	1.9	32	1.5	15.9	34.9	19.1
8	M08-362051	**58.5**	**6**	58.5	6			6	1.6	29	1.4	14.9	34.8	18.8
9	M08-365100	**60.5**	**3**	60.5	3			8	1.7	31	1.2	17.0	34.5	19.9
10	U11-917032	**60.1**	**4**	60.1	4			7	1.6	30	1.3	16.4	33.7	19.9
	Mean	**56.2**		56.2				18.8	1.6	30.3	1.4	15.9	34.6	19.3
	LSD(.05)	**3.4**		3.4				0.7	0.2	1.3				
	C.V. %	**11.8**		11.8				6.5	17.9	8.3				
	Replications	**26**		26				24	23	26				

2 Year Summary

		Yield									Seed			
		All		Infested		Non-infested		Maturity	Lodging	Height	quality	weight	protein	oil
	Strain	bu/a	rank	bu/a	rank	bu/a	rank	date	score	inches	score	g/100	@13%	@13%
	Locations	**19**		18		1		8	17	17	16	16	17	17
1	MN1410	**50.5**	**5**	50.3	5	54.1	4	9/17	1.8	34	1.6	16.6	36.2	18.3
2	IA1022 (SCN)	**57.2**	**3**	57.3	3	56.4	3	5	1.7	32	1.7	16.9	33.3	19.7
3	Sheyenne (0)	**41.6**	**6**	41.3	6	46.8	6	-6	1.4	28	2.1	16.1	35.5	18.4
5	M07-209037	**57.8**	**2**	58.3	2	48.6	5	4	1.9	31	1.7	16.7	32.9	19.4
6	M07-297007	**57.0**	**4**	56.8	4	61.6	2	5	1.7	34	1.4	15.9	37.2	17.7
10	U11-917032	**58.8**	**1**	58.5	1	64.1	1	6	1.8	31	1.4	17.2	34.0	19.3

2015 SCN UNIFORM TEST I

Yield (bu/a)

		Mason City IA	Newell IA	Dekalb IL	Urbana IL	Fairfax MN	Lamberton MN	Waseca MN
	SCN HG Type	2.5.7	2.5.7	0	2.5.7	1.2.5.7	Inf	Inf
	Strain							
1	MN1410	52.3	59.0	54.1	48.0	19.7	40.7	49.2
2	IA1022 (SCN)	60.5	70.0	49.7	52.9	43.9	53.6	51.0
3	Sheyenne (0)	40.1	60.0	37.5	43.5	14.8	34.1	34.0
4	AR13-131003	58.6	68.5	63.5	56.2	51.1	53.7	61.9
5	M07-209037	58.1	73.5	53.6	56.1	65.1	58.3	55.3
6	M07-297007	60.7	62.3	65.1	61.6	51.7	47.5	55.2
7	M08-359087	58.0	66.6	61.9	53.4	55.8	49.9	56.2
8	M08-362051	58.9	67.5	60.7	57.3	55.6	52.8	56.4
9	M08-365100	57.3	63.9	64.9	68.1	53.9	47.7	57.4
10	U11-917032	68.1	65.5	70.5	60.6	51.9	45.8	64.0
	Average	57.3	65.7	58.1	55.7	46.4	48.4	54.1
	LSD(.05)	7.8	4.1	17.3	8.7	8.7	10.6	9.6
	C.V. %	6.0	2.8	13.1	6.9	11.0	12.7	10.3
	Replications	2	2	2	2	3	3	3
	Row width (in.)	30	30	30	30	30	30	30

Yield (rank)

		Mason City IA	Newell IA	Dekalb IL	Urbana IL	Fairfax MN	Lamberton MN	Waseca MN
	SCN HG Type	2.5.7	2.5.7	0	2.5.7	1.2.5.7	Inf	Inf
	Strain							
1	MN1410	9	10	7	9	9	9	9
2	IA1022 (SCN)	3	2	9	8	8	3	8
3	Sheyenne (0)	10	9	10	10	10	10	10
4	AR13-131003	5	3	4	5	7	2	2
5	M07-209037	6	1	8	6	1	1	6
6	M07-297007	2	8	2	2	6	7	7
7	M08-359087	7	5	5	7	2	5	5
8	M08-362051	4	4	6	4	3	4	4
9	M08-365100	8	7	3	1	4	6	3
10	U11-917032	1	6	1	3	5	8	1

2015 SCN UNIFORM TEST I

Yield (bu/a)

	SCN HG Type	Ridgetown ON Inf	Chatham ON 2.7	Harrow ON 2.5.7
	Strain			
1	MN1410	63.9	41.0	58.9
2	IA1022 (SCN)	73.2	44.8	67.4
3	Sheyenne (0)	45.0	38.3	54.1
4	AR13-131003	78.5	48.0	66.2
5	M07-209037	76.7	42.4	62.1
6	M07-297007	74.0	44.4	64.3
7	M08-359087	72.3	38.4	60.1
8	M08-362051	71.0	42.3	65.0
9	M08-365100	72.0	49.2	64.8
10	U11-917032	67.1	41.1	61.4
	Average	69.4	43.0	62.4
	LSD(.05)	15.1	14.7	9.0
	C.V. %	12.6	20.0	8.4
	Replications	3	3	3
	Row width (in.)	17	24	24

Yield (rank)

	SCN HG Type	Ridgetown ON Inf	Chatham ON 2.7	Harrow ON 2.5.7
	Strain			
1	MN1410	9	8	9
2	IA1022 (SCN)	4	3	1
3	Sheyenne (0)	10	10	10
4	AR13-131003	1	2	2
5	M07-209037	2	5	6
6	M07-297007	3	4	5
7	M08-359087	5	9	8
8	M08-362051	7	6	3
9	M08-365100	6	1	4
10	U11-917032	8	7	7

2015 SCN UNIFORM TEST I

Maturity

		Mason City IA	Newell IA	Dekalb IL	Urbana IL	Fairfax MN	Lamberton MN	Waseca MN
	SCN HG Type	2.5.7	2.5.7	0	2.5.7	1.2.5.7	Inf	Inf
	Strain							
1	MN1410	9/21		9/14	8/24	9/17	9/22	9/18
2	IA1022 (SCN)	3		3	2	3	5	10
3	Sheyenne (0)	-9		-6	-3	-5	-7	-8
4	AR13-131003	1		7	3	3	6	8
5	M07-209037	2		2	1	3	9	5
6	M07-297007	2		4	3	3	9	8
7	M08-359087	1		5	2	1	7	5
8	M08-362051	3		7	2	1	10	10
9	M08-365100	5		8	6	5	11	11
10	U11-917032	5		9	2	7	7	11
	Planted	5/13	5/22	5/22	5/08	5/21	5/20	5/13

Lodging (score)

		Mason City IA	Newell IA	Dekalb IL	Urbana IL	Fairfax MN	Lamberton MN	Waseca MN
	SCN HG Type	2.5.7	2.5.7	0	2.5.7	1.2.5.7	Inf	Inf
	Strain							
1	MN1410	2.3	2.3	1.5	1.0		1.0	2.0
2	IA1022 (SCN)	2.3	2.5	1.8	1.8		1.0	2.0
3	Sheyenne (0)	1.8	2.0	1.0	1.0		1.0	1.0
4	AR13-131003	2.3	2.5	1.5	1.5		1.0	2.0
5	M07-209037	2.3	2.5	1.5	1.8		1.0	2.0
6	M07-297007	2.3	2.0	1.5	1.8		1.0	2.0
7	M08-359087	2.5	3.0	1.8	2.5		1.0	2.0
8	M08-362051	2.5	2.5	1.5	1.0		2.0	2.0
9	M08-365100	2.3	2.0	1.8	2.3		1.0	2.0
10	U11-917032	2.5	2.5	1.8	1.3		1.0	2.0

2015 SCN UNIFORM TEST I

Maturity

	SCN HG Type	Ridgetown ON Inf	Chatham ON 2.7	Harrow ON 2.5.7
	Strain			
1	MN1410	8/31	9/17	10/01
2	IA1022 (SCN)	7	10	4
3	Sheyenne (0)	-5	-1	-5
4	AR13-131003	7	11	6
5	M07-209037	7	9	3
6	M07-297007	8	10	4
7	M08-359087	7	6	3
8	M08-362051	7	8	4
9	M08-365100	9	11	9
10	U11-917032	9	10	5
	Planted	5/13	6/05	6/12

Lodging (score)

	SCN HG Type	Ridgetown ON Inf	Chatham ON 2.7	Harrow ON 2.5.7
	Strain			
1	MN1410	1.3	1.0	1.0
2	IA1022 (SCN)	1.3	1.0	1.0
3	Sheyenne (0)	1.0	1.0	1.0
4	AR13-131003	2.0	1.0	1.0
5	M07-209037	1.7	1.0	1.0
6	M07-297007	1.3	1.0	1.0
7	M08-359087	2.3	1.0	1.0
8	M08-362051	1.0	1.0	1.0
9	M08-365100	2.0	1.0	1.0
10	U11-917032	1.7	1.0	1.0

2015 SCN UNIFORM TEST I

Height (inches)

		Mason City IA	Newell IA	Dekalb IL	Urbana IL	Fairfax MN	Lamberton MN	Waseca MN
	SCN HG Type	2.5.7	2.5.7	0	2.5.7	1.2.5.7	Inf	Inf
	Strain							
1	MN1410	34	37	30	35	29	30	30
2	IA1022 (SCN)	34	39	27	33	27	29	29
3	Sheyenne (0)	26	36	25	30	24	26	22
4	AR13-131003	33	39	29	33	28	32	32
5	M07-209037	30	36	22	31	31	29	29
6	M07-297007	31	40	29	34	32	32	31
7	M08-359087	32	40	30	37	30	30	30
8	M08-362051	33	38	27	29	29	30	27
9	M08-365100	31	36	28	35	32	31	29
10	U11-917032	32	34	25	29	33	28	28

Seed Quality (score)

		Mason City IA	Newell IA	Dekalb IL	Urbana IL	Fairfax MN	Lamberton MN	Waseca MN
	SCN HG Type	2.5.7	2.5.7	0	2.5.7	1.2.5.7	Inf	Inf
	Strain							
1	MN1410	2.0		1.0	3.0	2.0	1.0	1.0
2	IA1022 (SCN)	1.0		1.0	2.0	1.0	2.0	1.0
3	Sheyenne (0)	2.0		2.0	4.0	2.0	2.0	1.0
4	AR13-131003	1.0		1.0	1.0	1.0	1.0	2.0
5	M07-209037	2.0		1.0	2.0	2.0	2.0	1.0
6	M07-297007	1.0		1.0	2.0	1.0	2.0	2.0
7	M08-359087	2.0		1.0	3.0	1.0	1.0	1.0
8	M08-362051	1.0		1.0	2.0	2.0	1.0	2.0
9	M08-365100	1.0		1.0	2.0	1.0	2.0	1.0
10	U11-917032	1.0		1.0	2.0	1.0	2.0	1.0

2015 SCN UNIFORM TEST I

Height (inches)

	SCN HG Type	Ridgetown ON Inf	Chatham ON 2.7	Harrow ON 2.5.7
	Strain			
1	MN1410	33	23	35
2	IA1022 (SCN)	34	25	33
3	Sheyenne (0)	20	18	29
4	AR13-131003	35	28	34
5	M07-209037	38	21	31
6	M07-297007	35	22	35
7	M08-359087	38	24	34
8	M08-362051	30	19	31
9	M08-365100	31	21	33
10	U11-917032	31	25	32

Seed Quality (score)

	SCN HG Type	Ridgetown ON Inf	Chatham ON 2.7	Harrow ON 2.5.7
	Strain			
1	MN1410	1.7	1.7	1.0
2	IA1022 (SCN)	1.3	2.0	2.0
3	Sheyenne (0)	1.3	2.0	1.7
4	AR13-131003	1.0	1.0	1.0
5	M07-209037	1.0	1.0	1.0
6	M07-297007	1.0	1.0	1.0
7	M08-359087	1.3	1.0	2.0
8	M08-362051	1.0	1.3	1.0
9	M08-365100	1.0	1.0	1.0
10	U11-917032	1.7	1.0	1.0

2015 SCN UNIFORM TEST I

Seed Weight (g/100)

		Mason City IA	Newell IA	Dekalb IL	Urbana IL	Fairfax MN	Lamberton MN	Waseca MN
	SCN HG Type	2.5.7	2.5.7	0	2.5.7	1.2.5.7	Inf	Inf
	Strain							
1	MN1410	15.0		15.3	15.9	15.0	15.0	15.9
2	IA1022 (SCN)	13.8		13.2	15.9	15.7	16.7	14.8
3	Sheyenne (0)	14.6		14.9	18.8	13.1	13.6	16.2
4	AR13-131003	16.4		17.0	16.6	16.0	17.8	16.4
5	M07-209037	14.3		14.6	15.9	14.2	17.0	15.5
6	M07-297007	13.6		13.6	16.3	14.4	15.1	14.0
7	M08-359087	14.6		15.2	15.7	15.2	16.5	14.9
8	M08-362051	13.8		14.0	14.6	13.6	16.7	14.6
9	M08-365100	15.5		15.8	16.5	16.8	19.0	16.8
10	U11-917032	15.8		16.0	15.9	16.1	15.7	15.9

2015 SCN UNIFORM TEST I

Seed Weight (g/100)

		Ridgetown ON	Chatham ON	Harrow ON
	SCN HG Type	Inf	2.7	2.5.7
	Strain			
1	MN1410	18.9	12.2	18.4
2	IA1022 (SCN)	17.9	15.2	18.5
3	Sheyenne (0)	17.1	12.4	16.5
4	AR13-131003	20.9	18.4	19.8
5	M07-209037	18.1	14.3	16.4
6	M07-297007	17.2	12.7	18.0
7	M08-359087	18.3	14.7	17.6
8	M08-362051	17.8	13.0	16.0
9	M08-365100	18.0	15.3	19.1
10	U11-917032	18.1	16.3	18.0

2015 SCN UNIFORM TEST I

Protein (%)

		Mason City IA	Newell IA	Dekalb IL	Urbana IL	Fairfax MN	Lamberton MN	Waseca MN
	SCN HG Type	2.5.7	2.5.7	0	2.5.7	1.2.5.7	Inf	Inf
	Strain							
1	MN1410	35.8		34.0	36.7	37.9	35.3	34.4
2	IA1022 (SCN)	34.1		30.1	33.5	33.9	33.0	31.2
3	Sheyenne (0)	35.5		36.1	37.4	35.5	32.6	34.4
4	AR13-131003	34.3		31.9	32.7	33.9	33.8	34.1
5	M07-209037	31.3		30.8	33.9	32.1	33.5	30.1
6	M07-297007	36.6		34.9	36.6	36.7	34.7	34.3
7	M08-359087	33.5		32.7	37.4	34.6	34.1	33.4
8	M08-362051	35.1		32.8	34.0	34.3	35.2	33.4
9	M08-365100	34.2		30.9	34.1	35.4	34.4	33.3
10	U11-917032	32.5		32.9	32.5	34.9	33.5	32.0

Oil (%)

		Mason City IA	Newell IA	Dekalb IL	Urbana IL	Fairfax MN	Lamberton MN	Waseca MN
	SCN HG Type	2.5.7	2.5.7	0	2.5.7	1.2.5.7	Inf	Inf
	Strain							
1	MN1410	18.9		19.2	20.3	17.3	18.6	19.6
2	IA1022 (SCN)	19.5		21.4	20.7	19.7	20.3	19.3
3	Sheyenne (0)	18.9		19.2	19.4	18.8	18.6	19.0
4	AR13-131003	19.2		20.1	20.2	18.6	19.4	19.8
5	M07-209037	20.0		20.2	20.6	20.0	19.5	19.6
6	M07-297007	18.2		19.1	19.0	18.2	18.2	19.0
7	M08-359087	19.1		19.5	19.8	18.9	18.7	19.4
8	M08-362051	18.5		20.3	20.7	18.1	17.8	18.5
9	M08-365100	20.4		20.9	20.9	20.0	18.7	19.0
10	U11-917032	18.5		20.2	21.4	19.5	20.1	20.4

2015 SCN UNIFORM TEST I

Protein (%)

	SCN HG Type	Ridgetown ON Inf	Chatham ON 2.7	Harrow ON 2.5.7
	Strain			
1	MN1410	37.1	36.6	36.6
2	IA1022 (SCN)	34.0	33.4	34.9
3	Sheyenne (0)	36.6	35.6	35.8
4	AR13-131003	35.3	34.2	35.3
5	M07-209037	34.5	33.0	34.5
6	M07-297007	38.4	36.3	39.1
7	M08-359087	36.1	35.1	37.3
8	M08-362051	36.1	35.5	36.9
9	M08-365100	35.5	35.0	37.5
10	U11-917032	34.5	34.5	35.8

Oil (%)

	SCN HG Type	Ridgetown ON Inf	Chatham ON 2.7	Harrow ON 2.5.7
	Strain			
1	MN1410	18.7	18.1	18.5
2	IA1022 (SCN)	20.6	21.0	19.6
3	Sheyenne (0)	18.4	18.4	18.3
4	AR13-131003	19.6	20.2	19.1
5	M07-209037	19.7	20.7	19.3
6	M07-297007	17.6	19.1	17.1
7	M08-359087	19.0	19.7	18.3
8	M08-362051	18.5	19.0	17.5
9	M08-365100	20.4	20.4	18.7
10	U11-917032	19.8	20.4	18.9

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2015 SCN PRELIMINARY TEST I

	Strain	Descriptive code	Parentage
1	MN1410	WGbf	Unknown
2	IA1022 (SCN)	PGy	Dairyland 98822 x A00-711024
3	Sheyenne (0)	PGy	Pioneer 9071 x A96-492041
4	AR14-147002	PGbf	Syngenta 04RM819800 x IAR2101
5	AR14-147009	PLtbr	AR07-176090 x (Ina x AR03-161009)
6	M09-246032	WGbf	M90-184111 x M02-141020
7	M09-269079	PGibl	MN0908CN x LD02-4485
8	M09-274049	PTbr	MN0208CN x LD02-4485
9	M09-278026	P+WGy	M90-184111 x E06936
10	M09-285032	PGy	MN1701CN x E06936
11	M09-285149	PGbf	MN1701CN x E06936
12	MSC09-771018	PTbr	MN0095 x PI438489B
13	MSC09-771019	PTbr	MN0095 x PI438489B
14	MSC09-774074	PTbr	Sheyenne x PI567516C
15	MSC09-774089	WGy	Sheyenne x PI567516C
16	MSC09-776063	WGbf	MN1410 x PI567516C
17	MSC09-777140	WGbf+y	IA2073 x PI438489B
18	ORC 3313N	WGy	Starfield x SC 2307
19	ORC 3713N	PGy	Starfield x SC 2307
20	OAC 13-85C-SCN	PTbr	SC Starfield (SCN) x OAC Wallace
21	OAC 13-87C-SCN	WTbr	SC Starfield (SCN) x OAC Wallace

2015 SCN PRELIMINARY TEST I

	Strain	Gen comp	SCN res source	Traits
1	MN1410	F5	None	
2	IA1022 (SCN)	F5	PI88788	
3	Sheyenne (0)	F4	None	Rsp1-c
4	AR14-147002	F4	PI 507354	
5	AR14-147009	F3	PI 88788,437654,507354	
6	M09-246032	F5	PI 88788	
7	M09-269079	F5	PI 88788,209332	
8	M09-274049	F5	PI 88788,209332	
9	M09-278026	F5	PI 88788	
10	M09-285032	F5	PI 88788,209332	
11	M09-285149	F5	PI 88788,209332	
12	MSC09-771018	F5	PI 438489B	
13	MSC09-771019	F5	PI 438489B	
14	MSC09-774074	F5	PI 567516C	
15	MSC09-774089	F5	PI 567516C	
16	MSC09-776063	F5	PI 567516C	
17	MSC09-777140	F5	PI 438489B	
18	ORC 3313N	F5	PI 88788	
19	ORC 3713N	F5	PI 88788	
20	OAC 13-85C-SCN	F4	PI 88788	
21	OAC 13-87C-SCN	F4	PI 88788	

2015 SCN PRELIMINARY TEST I

		IL SCN screen				ISU IDC	MN IDC
		HG Type 0		HG Type 2.5.7		Ames	Danvers
	Strain	FI	rating	FI	rating	score	score
1	MN1410	75	NR	55	LR	2.3	1.4
2	IA1022 (SCN)	16	R	13	R	2.5	0.9
3	Sheyenne (0)	81	NR	62	NR	1.4	0.7
4	AR14-147002	63	NR	48	LR	2.5	1.2
5	AR14-147009	0	HR	6	HR	1.6	1.3
6	M09-246032	111	NR	60	NR	2.0	1.1
7	M09-269079	10	R	17	R	1.5	0.8
8	M09-274049	46	MR	55	LR	2.3	0.7
9	M09-278026	3	HR	14	R	2.3	1.3
10	M09-285032	9	HR	16	R	2.6	1.2
11	M09-285149	1	HR	5	HR	1.9	0.9
12	MSC09-771018	77	NR	81	NR	1.9	1.0
13	MSC09-771019	68	NR	59	LR	1.8	0.8
14	MSC09-774074	4	HR	19	R	2.1	0.8
15	MSC09-774089	4	HR	18	R	2.4	0.9
16	MSC09-776063	**	**	**	**	2.5	1.7
17	MSC09-777140	**	**	15	R	2.0	0.9
18	ORC 3313N	13	R	26	MR	2.3	1.3
19	ORC 3713N	10	R	27	MR	1.8	1.3
20	OAC 13-85C-SCN	45	MR	48	LR	1.2	0.9
21	OAC 13-87C-SCN	1	HR	16	R	2.4	1.0

**rep data too variable to rate

A11 (res)	1.4
IA3049 (sus)	2.5

2015 SCN PRELIMINARY TEST I

Summary

		Yield									Seed			
		All		Infested		Non-infested		Maturity	Lodging	Height	quality	weight	protein	oil
	Strain	bu/a	rank	bu/a	rank	bu/a	rank	date	score	inches	score	g/100	@13%	@13%
	Locations	**7**		7		0		6	7	7	6	6	6	6
1	MN1410	**46.0**	**17**	46.0	17			9/15	1.8	30	2.2	15.8	35.5	19.0
2	IA1022 (SCN)	**54.3**	**15**	54.3	15			4	2.0	31	1.7	14.9	32.3	20.3
3	Sheyenne (0)	**37.5**	**21**	37.5	21			-7	1.4	26	2.3	15.2	35.3	19.3
4	AR14-147002	**54.7**	**14**	54.7	14			7	1.9	31	2.2	14.5	33.0	19.7
5	AR14-147009	**55.6**	**12**	55.6	12			8	2.2	35	1.7	14.7	33.7	18.1
6	M09-246032	**37.8**	**20**	37.8	20			-5	1.6	29	1.7	13.6	35.5	19.4
7	M09-269079	**57.7**	**9**	57.7	9			5	2.1	36	1.3	15.6	34.6	19.7
8	M09-274049	**42.5**	**19**	42.5	19			-5	1.4	28	1.8	14.9	35.6	18.1
9	M09-278026	**59.2**	**5**	59.2	5			2	1.8	34	1.7	14.0	33.5	18.8
10	M09-285032	**60.4**	**3**	60.4	3			2	1.9	35	1.5	15.1	33.4	19.7
11	M09-285149	**62.5**	**2**	62.5	2			4	1.8	32	1.5	16.2	34.3	19.2
12	MSC09-771018	**50.0**	**16**	50.0	16			2	1.4	34	1.7	16.4	32.2	20.4
13	MSC09-771019	**44.9**	**18**	44.9	18			-1	1.6	32	1.8	15.5	31.7	20.9
14	MSC09-774074	**62.7**	**1**	62.7	1			5	1.7	30	1.7	14.5	31.3	20.3
15	MSC09-774089	**58.2**	**7**	58.2	7			3	1.8	34	1.8	15.0	34.2	19.4
16	MSC09-776063	**59.2**	**5**	59.2	5			7	1.9	35	1.8	14.9	32.5	19.6
17	MSC09-777140	**57.8**	**8**	57.8	8			6	1.4	26	2.0	16.2	32.2	19.6
18	ORC 3313N	**56.4**	**10**	56.4	10			6	1.4	36	2.0	20.7	35.6	19.6
19	ORC 3713N	**59.6**	**4**	59.6	4			7	1.7	37	2.0	18.6	34.0	20.3
20	OAC 13-85C-SCN	**54.9**	**13**	54.9	13			3	1.5	36	2.2	17.3	32.7	20.0
21	OAC 13-87C-SCN	**55.7**	**11**	55.7	11			0	1.4	34	2.0	17.3	33.8	20.2
	Mean	**53.7**		53.7				17.4	1.7	32.4	1.8	15.7	33.7	19.6
	LSD(.05)	**3.2**		3.2				0.7	0.2	1.3				
	C.V. %	**9.6**		9.6				5.8	15.8	6.6				
	Replications	**14**		14				12	14	14				

2015 SCN PRELIMINARY TEST I

Yield (bu/a)

		Mason City IA	Newell IA	Dekalb IL	Urbana IL	Fairfax MN	Lamberton MN	Waseca MN
	SCN HG Type	2.5.7	2.5.7	0	2.5.7	1.2.5.7	Inf	Inf
	Strain							
1	MN1410	55.2	61.7	54.1	48.0	21.1	37.2	45.0
2	IA1022 (SCN)	59.1	67.3	49.7	52.9	43.2	50.7	57.3
3	Sheyenne (0)	38.8	55.9	37.5	43.5	20.8	35.2	31.1
4	AR14-147002	62.7	66.8	60.5	68.0	28.1	45.9	51.0
5	AR14-147009	63.0	59.0	59.2	60.2	41.7	58.3	47.8
6	M09-246032	44.1	51.4	37.5	40.8	21.0	37.8	32.3
7	M09-269079	61.0	60.3	53.9	56.5	56.3	56.3	59.5
8	M09-274049	44.8	52.4	44.0	39.9	30.4	49.0	37.0
9	M09-278026	58.5	67.5	65.7	58.2	58.7	51.7	54.1
10	M09-285032	65.9	64.8	66.5	59.0	50.9	59.1	56.5
11	M09-285149	62.7	67.7	67.5	64.0	60.3	57.8	57.8
12	MSC09-771018	53.8	59.5	56.2	52.7	35.3	43.7	48.7
13	MSC09-771019	53.1	58.1	46.4	38.8	33.9	44.2	40.0
14	MSC09-774074	67.1	69.8	66.8	55.9	62.9	59.5	57.2
15	MSC09-774089	61.8	62.0	52.5	58.0	52.6	61.7	59.0
16	MSC09-776063	67.8	65.3	59.6	49.7	50.4	58.2	63.4
17	MSC09-777140	61.4	61.9	52.7	54.8	62.0	52.6	59.5
18	ORC 3313N	63.7	63.3	55.8	55.5	51.2	52.0	53.2
19	ORC 3713N	61.0	58.7	62.5	66.2	57.9	60.3	50.4
20	OAC 13-85C-SCN	54.6	64.2	51.4	52.7	59.1	49.4	52.6
21	OAC 13-87C-SCN	59.5	66.1	50.6	50.9	53.9	55.1	53.6
	Average	58.1	62.1	54.8	53.6	45.3	51.2	50.8
	LSD(.05)	4.3	8.4	15.2	8.4	13.8	11.6	9.7
	C.V. %	3.7	6.5	13.3	7.5	14.5	10.8	9.2
	Replications	2	2	2	2	2	2	2
	Row width (in.)	30	30	30	30	30	30	30

2015 SCN PRELIMINARY TEST I

Yield (rank)

		Mason City IA	Newell IA	Dekalb IL	Urbana IL	Fairfax MN	Lamberton MN	Waseca MN
	SCN HG Type	2.5.7	2.5.7	0	2.5.7	1.2.5.7	Inf	Inf
	Strain							
1	MN1410	15	13	17	24	19	20	17
2	IA1022 (SCN)	13	4	24	19	13	13	6
3	Sheyenne (0)	21	19	27	25	21	21	21
4	AR14-147002	6	5	12	2	18	16	13
5	AR14-147009	5	16	14	7	14	5	16
6	M09-246032	20	21	28	26	20	19	20
7	M09-269079	10	14	18	12	7	8	2
8	M09-274049	19	20	26	27	17	15	19
9	M09-278026	14	3	5	9	5	12	9
10	M09-285032	3	8	4	8	11	4	8
11	M09-285149	6	2	2	4	3	7	5
12	MSC09-771018	17	15	15	21	15	18	15
13	MSC09-771019	18	18	25	28	16	17	18
14	MSC09-774074	2	1	3	15	1	3	7
15	MSC09-774089	8	11	21	10	9	1	4
16	MSC09-776063	1	7	13	23	12	6	1
17	MSC09-777140	9	12	20	17	2	10	3
18	ORC 3313N	4	10	16	16	10	11	11
19	ORC 3713N	11	17	9	3	6	2	14
20	OAC 13-85C-SCN	16	9	22	20	4	14	12
21	OAC 13-87C-SCN	12	6	23	22	8	9	10

2015 SCN PRELIMINARY TEST I

Maturity

		Mason City IA	Newell IA	Dekalb IL	Urbana IL	Fairfax MN	Lamberton MN	Waseca MN
	SCN HG Type	2.5.7	2.5.7	0	2.5.7	1.2.5.7	Inf	Inf
	Strain							
1	MN1410	9/21		9/14	8/24	9/14	9/30	9/21
2	IA1022 (SCN)	3		3	2	6	2	5
3	Sheyenne (0)	-9		-6	-3	-2	-15	-10
4	AR14-147002	4		9	5	12	1	7
5	AR14-147009	8		9	5	10	3	10
6	M09-246032	-5		-6	-5	0	-9	-6
7	M09-269079	5		7	6	2	1	6
8	M09-274049	-6		-3	-5	2	-14	-9
9	M09-278026	2		5	0	4	0	0
10	M09-285032	2		4	1	2	-1	2
11	M09-285149	4		5	3	2	1	4
12	MSC09-771018	3		3	4	2	-3	-2
13	MSC09-771019	-1		1	0	4	-8	-5
14	MSC09-774074	6		9	2	6	0	3
15	MSC09-774089	4		6	0	6	0	2
16	MSC09-776063	7		8	5	8	4	10
17	MSC09-777140	7		9	4	6	2	5
18	ORC 3313N	5		8	7	6	2	4
19	ORC 3713N	4		8	8	6	4	7
20	OAC 13-85C-SCN	4		1	7	4	-2	0
21	OAC 13-87C-SCN	-3		1	4	2	-4	-5
	Planted	5/13	5/22	5/22	5/08	5/21	5/20	5/13

2015 SCN PRELIMINARY TEST I

Lodging (score)

		Mason City IA	Newell IA	Dekalb IL	Urbana IL	Fairfax MN	Lamberton MN	Waseca MN
	SCN HG Type	2.5.7	2.5.7	0	2.5.7	1.2.5.7	Inf	Inf
	Strain							
1	MN1410	2.3	2.5	1.5	1.0	2.0	1.0	2.0
2	IA1022 (SCN)	2.5	2.8	1.8	1.8	2.0	1.0	2.0
3	Sheyenne (0)	1.5	2.0	1.0	1.0	1.5	1.0	1.5
4	AR14-147002	2.3	3.0	1.5	1.5	2.0	1.0	2.0
5	AR14-147009	2.5	3.0	2.0	1.8	2.0	2.0	2.0
6	M09-246032	2.3	3.0	1.0	1.0	1.5	1.0	1.5
7	M09-269079	2.3	3.0	1.5	1.8	2.0	2.0	2.0
8	M09-274049	2.0	2.3	1.3	1.0	1.0	1.0	1.0
9	M09-278026	2.3	2.5	1.5	1.5	2.0	1.0	2.0
10	M09-285032	2.5	2.5	1.8	1.8	2.0	1.0	2.0
11	M09-285149	2.3	2.5	1.5	1.0	2.0	1.0	2.0
12	MSC09-771018	2.0	2.3	1.3	1.3	1.0	1.0	1.0
13	MSC09-771019	2.0	2.8	1.0	1.3	1.5	1.5	1.0
14	MSC09-774074	2.0	2.0	1.8	1.0	2.0	1.0	2.0
15	MSC09-774089	2.5	2.8	1.3	1.3	2.0	1.0	2.0
16	MSC09-776063	2.5	2.5	1.5	1.3	2.0	1.5	2.0
17	MSC09-777140	2.0	1.5	1.5	1.0	1.5	1.0	1.5
18	ORC 3313N	2.5	2.0	1.3	1.0	1.0	1.0	1.0
19	ORC 3713N	2.5	2.3	1.3	1.0	2.0	1.0	2.0
20	OAC 13-85C-SCN	1.8	2.3	1.0	1.3	1.5	1.5	1.0
21	OAC 13-87C-SCN	2.0	2.0	1.3	1.3	1.0	1.0	1.0

2015 SCN PRELIMINARY TEST I

Height (inches)

		Mason City IA	Newell IA	Dekalb IL	Urbana IL	Fairfax MN	Lamberton MN	Waseca MN
	SCN HG Type	2.5.7	2.5.7	0	2.5.7	1.2.5.7	Inf	Inf
	Strain							
1	MN1410	34	38	30	35	22	30	25
2	IA1022 (SCN)	32	39	27	33	29	30	26
3	Sheyenne (0)	26	34	25	30	21	25	24
4	AR14-147002	32	41	29	35	24	31	24
5	AR14-147009	37	42	35	36	31	35	31
6	M09-246032	31	40	24	30	25	31	26
7	M09-269079	35	43	29	41	38	36	32
8	M09-274049	28	35	24	31	24	28	24
9	M09-278026	35	41	30	35	39	31	28
10	M09-285032	34	42	32	37	37	34	28
11	M09-285149	33	39	28	32	31	33	31
12	MSC09-771018	34	41	32	37	31	33	31
13	MSC09-771019	34	41	28	32	34	32	26
14	MSC09-774074	30	43	25	25	30	31	28
15	MSC09-774089	37	38	27	36	37	37	30
16	MSC09-776063	38	42	29	32	36	34	32
17	MSC09-777140	27	31	23	23	30	25	26
18	ORC 3313N	36	36	32	39	44	35	33
19	ORC 3713N	36	41	32	41	40	36	32
20	OAC 13-85C-SCN	35	44	32	38	43	32	30
21	OAC 13-87C-SCN	33	38	31	34	46	33	28

2015 SCN PRELIMINARY TEST I

Seed Quality (score)

		Mason City IA	Newell IA	Dekalb IL	Urbana IL	Fairfax MN	Lamberton MN	Waseca MN
	SCN HG Type	2.5.7	2.5.7	0	2.5.7	1.2.5.7	Inf	Inf
	Strain							
1	MN1410	2.0		1.0	3.0	2.0	3.0	2.0
2	IA1022 (SCN)	2.0		1.0	2.0	1.0	2.0	2.0
3	Sheyenne (0)	2.0		2.0	4.0	2.0	2.0	2.0
4	AR14-147002	2.0		1.0	3.0	2.0	4.0	1.0
5	AR14-147009	1.0		1.0	2.0	2.0	2.0	2.0
6	M09-246032	2.0		1.0	2.0	2.0	2.0	1.0
7	M09-269079	1.0		1.0	2.0	1.0	2.0	1.0
8	M09-274049	1.0		1.0	3.0	2.0	2.0	2.0
9	M09-278026	2.0		1.0	2.0	2.0	2.0	1.0
10	M09-285032	2.0		1.0	2.0	2.0	1.0	1.0
11	M09-285149	2.0		1.0	1.0	1.0	2.0	2.0
12	MSC09-771018	2.0		1.0	2.0	2.0	2.0	1.0
13	MSC09-771019	2.0		1.0	3.0	2.0	1.0	2.0
14	MSC09-774074	2.0		1.0	2.0	1.0	2.0	2.0
15	MSC09-774089	2.0		1.0	2.0	2.0	2.0	2.0
16	MSC09-776063	2.0		1.0	3.0	2.0	2.0	1.0
17	MSC09-777140	2.0		2.0	2.0	2.0	2.0	2.0
18	ORC 3313N	2.0		1.0	3.0	2.0	2.0	2.0
19	ORC 3713N	2.0		1.0	3.0	2.0	2.0	2.0
20	OAC 13-85C-SCN	2.0		2.0	4.0	2.0	2.0	1.0
21	OAC 13-87C-SCN	2.0		1.0	3.0	2.0	2.0	2.0

2015 SCN PRELIMINARY TEST I

Seed Weight (g/100)

		Mason City IA	Newell IA	Dekalb IL	Urbana IL	Fairfax MN	Lamberton MN	Waseca MN
	SCN HG Type	2.5.7	2.5.7	0	2.5.7	1.2.5.7	Inf	Inf
	Strain							
1	MN1410	15.5		15.3	15.9	15.8	15.6	16.4
2	IA1022 (SCN)	14.3		13.2	15.9	14.9	15.9	15.1
3	Sheyenne (0)	15.4		14.9	18.8	13.6	12.7	15.6
4	AR14-147002	14.1		14.2	14.9	15.1	15.0	13.9
5	AR14-147009	14.4		13.4	14.6	13.1	15.1	17.7
6	M09-246032	13.4		13.1	14.6	12.6	13.7	14.4
7	M09-269079	15.0		14.4	17.2	15.3	17.1	14.5
8	M09-274049	14.9		14.8	17.1	14.4	14.0	13.9
9	M09-278026	12.9		13.6	16.2	14.0	14.1	13.1
10	M09-285032	14.1		14.5	17.7	14.7	15.2	14.2
11	M09-285149	13.7		14.3	16.4	15.3	15.1	22.1
12	MSC09-771018	15.7		17.1	18.4	14.8	16.2	16.1
13	MSC09-771019	14.2		14.8	17.2	14.3	15.9	16.4
14	MSC09-774074	14.4		13.8	14.9	15.1	14.7	14.2
15	MSC09-774089	14.0		14.0	16.5	14.9	15.4	15.4
16	MSC09-776063	14.2		14.9	15.9	14.8	14.8	15.0
17	MSC09-777140	14.8		15.5	18.2	16.6	16.5	15.8
18	ORC 3313N	20.4		19.7	23.8	20.4	20.6	19.2
19	ORC 3713N	18.0		17.1	21.2	18.0	19.8	17.5
20	OAC 13-85C-SCN	17.0		17.4	17.7	17.3	17.4	16.8
21	OAC 13-87C-SCN	17.0		18.1	18.4	16.7	17.4	16.2

2015 SCN PRELIMINARY TEST I

Protein (%)

		Mason City IA	Newell IA	Dekalb IL	Urbana IL	Fairfax MN	Lamberton MN	Waseca MN
	SCN HG Type	2.5.7	2.5.7	0	2.5.7	1.2.5.7	Inf	Inf
	Strain							
1	MN1410	34.8		34.0	36.7	38.2	35.1	34.1
2	IA1022 (SCN)	33.1		30.1	33.5	31.8	32.7	32.3
3	Sheyenne (0)	35.5		36.1	37.4	36.1	32.4	34.5
4	AR14-147002	32.4		31.2	32.4	35.4	33.2	33.1
5	AR14-147009	34.2		33.2	33.8	34.3	34.1	32.8
6	M09-246032	35.6		34.2	36.9	38.0	32.9	35.3
7	M09-269079	35.6		32.8	33.3	35.7	34.1	36.2
8	M09-274049	36.7		33.8	37.3	36.1	34.3	35.5
9	M09-278026	34.5		32.5	35.4	33.7	31.8	33.0
10	M09-285032	31.8		32.1	36.0	34.7	32.5	33.1
11	M09-285149	34.6		33.3	35.3	35.9	32.2	34.3
12	MSC09-771018	32.8		31.7	32.9	34.9	29.3	31.8
13	MSC09-771019	30.1		29.9	34.5	33.5	31.1	31.2
14	MSC09-774074	30.8		29.5	32.8	32.6	30.4	31.6
15	MSC09-774089	33.8		32.4	35.9	35.4	33.8	33.6
16	MSC09-776063	32.4		33.0	35.1	33.3	30.2	31.2
17	MSC09-777140	32.6		30.6	33.7	33.3	31.9	31.0
18	ORC 3313N	35.9		33.5	35.9	36.0	35.7	36.3
19	ORC 3713N	33.9		33.3	34.2	36.0	33.2	33.5
20	OAC 13-85C-SCN	33.7		31.6	35.2	32.6	30.4	32.5
21	OAC 13-87C-SCN	32.7		33.3	36.7	33.9	33.3	32.6

2015 SCN PRELIMINARY TEST I

Oil (%)

		Mason City IA	Newell IA	Dekalb IL	Urbana IL	Fairfax MN	Lamberton MN	Waseca MN
	SCN HG Type	2.5.7	2.5.7	0	2.5.7	1.2.5.7	Inf	Inf
	Strain							
1	MN1410	19.1		19.2	20.3	17.4	18.6	19.5
2	IA1022 (SCN)	19.8		21.4	20.7	20.2	19.9	19.9
3	Sheyenne (0)	18.6		19.2	19.4	20.2	19.2	18.9
4	AR14-147002	19.2		19.9	20.7	19.6	19.0	19.6
5	AR14-147009	17.7		18.4	18.7	17.7	17.9	18.4
6	M09-246032	18.4		19.6	20.5	18.1	20.1	19.5
7	M09-269079	19.3		20.5	20.8	19.5	19.4	18.7
8	M09-274049	17.4		19.1	18.8	17.6	17.5	18.3
9	M09-278026	17.5		19.4	18.9	18.7	19.0	19.5
10	M09-285032	19.9		20.1	19.1	20.0	19.4	19.7
11	M09-285149	18.1		19.6	19.7	19.3	18.8	19.4
12	MSC09-771018	19.6		20.8	20.9	20.3	20.4	20.6
13	MSC09-771019	20.9		21.9	20.5	20.1	21.0	20.9
14	MSC09-774074	19.9		20.6	21.3	19.7	19.7	20.3
15	MSC09-774089	19.0		19.9	20.4	18.7	19.4	19.1
16	MSC09-776063	20.0		19.9	19.8	19.4	19.3	19.4
17	MSC09-777140	19.8		20.3	20.4	19.5	19.2	18.5
18	ORC 3313N	19.1		20.0	20.7	19.8	19.0	19.0
19	ORC 3713N	19.6		20.5	20.8	20.4	20.7	19.5
20	OAC 13-85C-SCN	20.0		21.0	19.7	19.7	19.4	20.4
21	OAC 13-87C-SCN	20.6		20.0	19.7	19.9	20.2	20.5

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2015 SCN UNIFORM TEST II

	Strain	Descriptive code	Parentage	Previous testing
1	IA2102	WGy	A04-545045 x AgriPro 98180-A01-06131	3
2	IA1022 (SCN)	PGy	Dairyland 98822 x A00-711024	7
3	IA3024	PGibl	A97-553017 x Pioneer YB33A99	8
4	LD02-4485	PGbf	M90-184111 x IA3010	10
5	AR12-127092	PGbf	AR03-161009 x AR06-365042	14 SCN U I
6	AR12-127102	PLtbl	AR03-161009 x Syngenta 05JR200591	1
7	E11128T	PGy	E05276-T x LD01-7323	1
8	E12007	PTbl	E00003 x U03-300134	14 SCN P II
9	E12076	WGy	LD01-7323 x U01-390489	14 SCN P II
10	LD10-5213a	PGbf	LD02-4485(5) x (Ina x PI 200538)	1
11	LD10-10198	PGy	LD05-3230 x LD00-3309	1
12	LD10-14323	PGy	LD01-7323(5) x PR33	14 SCN P II
13	LD11-4787a	PGy	LD01-7323 x [LD00-3309x(LD00-4970x(Dowling x Loda))]	14 SCN P II
14	U11-911079	PLtbl	LD02-4485 x U03-300134	14 SCN U I
15	U11-227016	PTbr	LD02-4485 x U03-100612	14 UP I
16	U12-911082	PT+Ltbr	CL05-32415 x U07-336229	14 UP I

	Strain	Gen comp	SCN res source	Traits
1	IA2102	F4	None	
2	IA1022 (SCN)	F5	PI 88788	
3	IA3024	F5	None	1% linolenic
4	LD02-4485	F5	PI 88788	
5	AR12-127092	F4	PI 507354,88788	
6	AR12-127102	F4	PI 507354,88788	
7	E11128T	F5	PI 88788	
8	E12007	F5	PI 88788	
9	E12076	F5	PI 88788	
10	LD10-5213a	F5	PI 88788	
11	LD10-10198	F5	PI 88788	
12	LD10-14323	F5	PI 88788	Rpp3
13	LD11-4787a	F5	PI 88788	Rag 1
14	U11-911079	F6	PI 88788	
15	U11-227016	F5	PI 88788	Rps1k
16	U12-911082	F5	PI 88788	IDC

2015 SCN UNIFORM TEST II

		IL SCN screen				ISU IDC	MN IDC
		HG Type 0		HG Type 2.5.7		Ames	Danvers
	Strain	FI	rating	FI	rating	score	score
1	IA2102	8	HR	33	MR	1.6	2.8
2	IA1022 (SCN)	16	R	13	R	2.5	2.8
3	IA3024	89	NR	71	NR	1.9	2.6
4	LD02-4485	4	HR	8	HR	2.6	2.3
5	AR12-127092	9	HR	25	MR	2.3	3.5
6	AR12-127102	4	HR	10	R	2.9	3.3
7	E11128T	6	HR	22	R	1.9	4.3
8	E12007	68	NR	69	NR	1.9	3.0
9	E12076	10	R	35	MR	2.1	3.8
10	LD10-5213a	3	HR	18	R	1.5	2.3
11	LD10-10198	2	HR	22	R	2.3	3.8
12	LD10-14323	5	HR	16	R	2.1	3.8
13	LD11-4787a	7	HR	7	HR	2.6	2.8
14	U11-911079	4	HR	10	R	2.5	3.3
15	U11-227016	6	HR	14	R	2.3	4.0
16	U12-911082	13	R	29	MR	1.4	2.0
					A11 (res)	1.4	
					IA3049 (sus)	2.5	

2015 SCN UNIFORM TEST II

Summary

		Yield									Seed			
		All		Infested		Non-infested		Maturity	Lodging	Height	quality	weight	protein	oil
	Strain	bu/a	rank	bu/a	rank	bu/a	rank	date	score	inches	score	g/100	@13%	@13%
	Locations	**13**		13		0		11	11	12	12	12	11	11
1	IA2102	**60.2**	**6**	60.2	6			9/26	1.9	34	1.5	16.1	34.6	18.9
2	IA1022 (SCN)	**57.4**	**13**	57.4	13			-6	1.8	33	1.6	16.2	33.0	20.4
3	IA3024	**56.5**	**15**	56.5	15			3	1.6	35	1.7	16.5	33.6	19.1
4	LD02-4485	**62.0**	**3**	62.0	3			-1	1.6	33	1.6	14.6	32.7	19.4
5	AR12-127092	**58.2**	**10**	58.2	10			-4	1.8	34	1.7	18.2	35.8	18.5
6	AR12-127102	**58.9**	**7**	58.9	7			0	1.6	36	1.5	19.0	34.3	18.7
7	E11128T	**58.2**	**9**	58.2	9			1	1.7	32	1.7	20.6	38.0	17.8
8	E12007	**56.8**	**14**	56.8	14			3	1.7	35	1.4	14.1	35.0	19.4
9	E12076	**58.9**	**7**	58.9	7			7	2.1	32	1.5	17.4	34.7	18.8
10	LD10-5213a	**62.5**	**2**	62.5	2			2	1.6	32	1.6	16.4	33.1	19.3
11	LD10-10198	**65.6**	**1**	65.6	1			3	1.5	34	1.6	14.6	34.0	18.3
12	LD10-14323	**61.6**	**4**	61.6	4			3	1.8	33	1.5	16.5	35.3	18.8
13	LD11-4787a	**57.5**	**11**	57.5	11			-1	1.6	31	1.5	16.0	35.5	19.0
14	U11-911079	**60.7**	**5**	60.7	5			-1	1.3	33	1.4	13.5	33.9	18.5
15	U11-227016	**57.5**	**11**	57.5	11			-2	1.4	31	1.5	14.6	34.4	19.5
16	U12-911082	**54.1**	**16**	54.1	16			-2	1.3	32	1.7	17.3	37.0	18.7
	Mean	**59.2**		59.2				24.8	1.6	33.1	1.6	16.3	34.7	18.9
	LSD(.05)	**2.8**		2.8				0.8	0.1	1.3				
	C.V. %	**10.6**		10.6				6.5	14.8	8.5				
	Replications	**33**		33				29	28	31				

2 Year Summary

		Yield									Seed			
		All		Infested		Non-infested		Maturity	Lodging	Height	quality	weight	protein	oil
	Strain	bu/a	rank	bu/a	rank	bu/a	rank	date	score	inches	score	g/100	@13%	@13%
	Locations	25		23		2		20	20	21	21	21	21	21
1	IA2102	**61.5**	**4**	61.5	4	62.2	5	9/25	2.1	33	1.7	16.8	34.8	18.2
2	IA1022 (SCN)	**57.8**	**7**	58.7	7	47.3	8	-6	1.8	32	1.8	16.6	33.4	19.7
3	IA3024	**57.7**	**8**	57.2	8	64.1	2	3	1.6	34	1.8	16.8	33.7	18.5
4	LD02-4485	**63.6**	**3**	63.5	3	64.9	1	0	1.7	33	1.6	15.5	32.5	18.7
6	AR12-127102	**60.7**	**5**	60.5	5	62.7	4	0	1.8	36	1.6	19.5	34.8	18.0
7	E11128T	**59.1**	**6**	59.0	6	59.2	6	1	1.8	32	1.9	21.8	38.3	16.8
10	LD10-5213a	**64.7**	**2**	64.8	2	63.6	3	2	1.6	32	1.7	17.0	33.1	18.8
11	LD10-10198	**64.9**	**1**	65.5	1	57.9	7	3	1.5	34	1.6	14.9	34.2	17.7

2015 SCN UNIFORM TEST II

Yield (bu/a)

		Ames IA	Moorhead IA	Pontiac IL	Urbana IL	West Lafayette IN	Fairfax MN	Lamberton MN
	SCN HG Type	2.5.7	2.5.7	Inf	2.5.7	2.5.7	1.2.5.7	Inf
	Strain							
1	IA2102	65.1	79.6	81.1	66.4	61.4	49.3	60.4
2	IA1022 (SCN)	61.7	70.8	59.4	51.5	52.2	48.9	48.8
3	IA3024	44.6	68.0	80.2	67.6	62.0	34.8	42.8
4	LD02-4485	58.9	68.6	77.8	64.7	67.5	50.7	57.9
5	AR12-127092	60.4	67.4	64.8	57.5	52.2	51.9	53.7
6	AR12-127102	44.8	70.4	74.2	62.7	56.2	51.1	58.5
7	E11128T	50.7	64.4	62.9	55.1	47.8	45.7	50.8
8	E12007	39.7	64.3	80.1	71.6	59.2	33.1	51.3
9	E12076	52.3	74.3	74.5	59.4	60.4	48.2	47.6
10	LD10-5213a	53.2	70.1	81.4	68.8	66.0	47.7	60.1
11	LD10-10198	69.1	74.4	84.7	74.9	65.1	45.5	61.4
12	LD10-14323	47.7	70.4	80.5	68.3	55.7	49.1	50.9
13	LD11-4787a	54.5	75.1	65.5	58.9	53.8	50.2	54.4
14	U11-911079	48.5	72.1	76.3	65.8	53.4	45.1	57.2
15	U11-227016	55.0	69.2	80.8	62.3	52.4	43.6	57.3
16	U12-911082	58.5	60.7	67.0	52.6	53.5	38.9	42.6
	Average	54.0	70.0	74.4	63.0	57.4	45.9	53.5
	LSD(.05)	12.2	8.2	8.2	7.1	6.1	11.1	11.8
	C.V. %	10.6	5.5	5.2	5.3	6.4	14.4	13.3
	Replications	2	2	2	2	3	3	3
	Row width (in.)	30	30	30	30	30	30	30

2015 SCN UNIFORM TEST II

Yield (bu/a)

		Waseca MN	Columbus NE	Plattsmouth NE	Hoytville OH	Chatham ON	Harrow ON
	SCN HG Type	Inf	2.5.7	Inf	Inf	2.7	2.5.7
	Strain						
1	IA2102	53.9	40.9	21.3	70.7	62.8	66.7
2	IA1022 (SCN)	53.8	48.7	62.3	70.0	60.9	62.8
3	IA3024	48.9	41.6	66.7	68.7	50.5	63.5
4	LD02-4485	53.7	59.5	58.1	74.0	61.9	61.3
5	AR12-127092	52.5	53.9	54.0	68.6	61.3	61.6
6	AR12-127102	49.3	44.0	57.5	72.3	62.3	67.8
7	E11128T	52.6	64.0	67.0	72.4	58.7	69.4
8	E12007	52.5	43.9	67.1	69.2	52.8	57.6
9	E12076	54.8	63.1	40.6	59.3	67.7	69.3
10	LD10-5213a	46.8	61.7	63.4	71.9	60.8	65.0
11	LD10-10198	55.4	47.2	78.4	74.1	61.4	67.7
12	LD10-14323	48.4	62.6	69.8	66.4	64.5	70.6
13	LD11-4787a	53.7	41.3	56.3	62.9	62.4	65.0
14	U11-911079	49.6	62.7	70.1	76.9	56.1	58.6
15	U11-227016	47.3	48.1	62.6	61.7	54.6	61.2
16	U12-911082	49.4	44.1	58.2	65.7	50.8	61.7
	Average	51.4	51.7	59.6	69.1	59.3	64.4
	LSD(.05)	9.3	21.2	19.9	9.1	8.2	7.1
	C.V. %	10.8	19.1	15.5	8.0	8.3	6.6
	Replications	3	2	2	3	3	3
	Row width (in.)	30	30	30	30	24	24

2015 SCN UNIFORM TEST II

Yield (rank)

		Ames IA	Moorhead IA	Pontiac IL	Urbana IL	West Lafayette IN	Fairfax MN	Lamberton MN
	SCN HG Type	2.5.7	2.5.7	Inf	2.5.7	2.5.7	1.2.5.7	Inf
	Strain							
1	IA2102	2	1	3	6	5	5	2
2	IA1022 (SCN)	3	6	16	16	14	7	13
3	IA3024	16	13	6	5	4	15	15
4	LD02-4485	5	11	8	8	1	3	5
5	AR12-127092	4	14	14	13	14	1	9
6	AR12-127102	15	7	11	9	8	2	4
7	E11128T	12	15	15	14	16	10	12
8	E12007	17	16	7	2	7	16	10
9	E12076	11	4	10	11	6	8	14
10	LD10-5213a	10	9	2	3	2	9	3
11	LD10-10198	1	3	1	1	3	11	1
12	LD10-14323	14	7	5	4	9	6	11
13	LD11-4787a	8	2	13	12	10	4	8
14	U11-911079	13	5	9	7	12	12	7
15	U11-227016	7	10	4	10	13	13	6
16	U12-911082	6	17	12	15	11	14	16

2015 SCN UNIFORM TEST II

Yield (rank)

		Waseca MN	Columbus NE	Plattsmouth NE	Hoytville OH	Chatham ON	Harrow ON
	SCN HG Type	Inf	2.5.7	Inf	Inf	2.7	2.5.7
	Strain						
1	IA2102	3	16	16	7	3	6
2	IA1022 (SCN)	4	8	9	8	9	10
3	IA3024	13	14	6	10	16	9
4	LD02-4485	5	6	11	3	6	13
5	AR12-127092	8	7	14	11	8	12
6	AR12-127102	12	12	12	5	5	4
7	E11128T	7	1	5	4	11	2
8	E12007	8	13	4	9	14	16
9	E12076	2	2	15	16	1	3
10	LD10-5213a	16	5	7	6	10	7
11	LD10-10198	1	10	1	2	7	5
12	LD10-14323	14	4	3	12	2	1
13	LD11-4787a	5	15	13	14	4	8
14	U11-911079	10	3	2	1	12	15
15	U11-227016	15	9	8	15	13	14
16	U12-911082	11	11	10	13	15	11

2015 SCN UNIFORM TEST II

Maturity

		Ames IA	Moorhead IA	Pontiac IL	Urbana IL	West Lafayette IN	Fairfax MN	Lamberton MN
	SCN HG Type	2.5.7	2.5.7	Inf	2.5.7	2.5.7	1.2.5.7	Inf
	Strain							
1	IA2102	9/27		9/10	8/31	9/19	9/26	10/08
2	IA1022 (SCN)	-7		-10	-4	-4	-6	-9
3	IA3024	3		6	9	3	-2	2
4	LD02-4485	-3		3	4	2	-2	-7
5	AR12-127092	-7		-8	-3	-1	-6	-5
6	AR12-127102	-3		-1	3	2	2	-6
7	E11128T	-6		-3	6	0	4	-1
8	E12007	3		4	8	3	3	-4
9	E12076	8		8	12	4	6	1
10	LD10-5213a	-3		4	7	2	4	-3
11	LD10-10198	3		2	5	3	4	-1
12	LD10-14323	-2		5	6	0	4	0
13	LD11-4787a	-5		-1	2	0	0	-3
14	U11-911079	-3		1	2	0	4	-4
15	U11-227016	-4		0	3	1	-1	-6
16	U12-911082	-5		-2	1	1	2	-10
	Planted	5/21	5/27	5/07	5/08	5/27	5/21	5/20

2015 SCN UNIFORM TEST II

Maturity

		Waseca MN	Columbus NE	Plattsmouth NE	Hoytville OH	Chatham ON	Harrow ON
	SCN HG Type	Inf	2.5.7	Inf	Inf	2.7	2.5.7
	Strain						
1	IA2102	10/01		9/23	9/20	10/05	10/11
2	IA1022 (SCN)	-5		-2	-2	-6	-7
3	IA3024	1		3	5	-1	2
4	LD02-4485	-1		0	2	-4	0
5	AR12-127092	-4		-2	-1	-4	-4
6	AR12-127102	-2		0	2	-1	1
7	E11128T	1		1	1	0	1
8	E12007	5		5	5	1	2
9	E12076	6		4	5	9	8
10	LD10-5213a	2		2	4	0	4
11	LD10-10198	3		3	4	1	3
12	LD10-14323	6		4	5	3	6
13	LD11-4787a	1		-1	1	-5	-3
14	U11-911079	-1		-3	1	-5	-3
15	U11-227016	-2		-4	1	-5	-5
16	U12-911082	0		-3	1	-4	-1
	Planted	5/13	5/22	6/08	5/22	6/05	6/12

2015 SCN UNIFORM TEST II

Lodging (score)

		Ames IA	Moorhead IA	Pontiac IL	Urbana IL	West Lafayette IN	Fairfax MN	Lamberton MN
	SCN HG Type	2.5.7	2.5.7	Inf	2.5.7	2.5.7	1.2.5.7	Inf
	Strain							
1	IA2102	2.3	3.5	2.0	1.5	1.0		1.0
2	IA1022 (SCN)	2.5	3.3	1.8	1.3	1.0		1.0
3	IA3024	1.8	3.3	1.8	1.5	1.0		1.0
4	LD02-4485	2.5	2.8	1.8	1.5	1.0		1.0
5	AR12-127092	2.5	3.0	2.0	1.5	1.2		1.0
6	AR12-127102	2.0	3.0	1.5	1.0	1.0		1.0
7	E11128T	2.3	3.5	1.3	1.3	1.0		1.0
8	E12007	2.0	3.3	2.0	1.5	1.0		1.0
9	E12076	2.8	4.0	1.5	1.3	1.0		2.0
10	LD10-5213a	2.5	2.8	1.5	1.5	1.0		1.0
11	LD10-10198	2.3	3.0	1.0	1.0	1.0		1.3
12	LD10-14323	2.0	3.8	1.8	1.5	1.0		2.0
13	LD11-4787a	2.0	3.3	1.5	1.0	1.0		1.0
14	U11-911079	1.5	2.3	1.3	1.0	1.0		1.0
15	U11-227016	1.8	2.3	1.5	1.0	1.0		1.0
16	U12-911082	1.8	2.3	1.0	1.0	1.0		1.0

2015 SCN UNIFORM TEST II

Lodging (score)

		Waseca MN	Columbus NE	Plattsmouth NE	Hoytville OH	Chatham ON	Harrow ON
	SCN HG Type	Inf	2.5.7	Inf	Inf	2.7	2.5.7
	Strain						
1	IA2102	2.3		4.3	1.0	1.0	1.0
2	IA1022 (SCN)	2.3		3.3	1.0	1.0	1.0
3	IA3024	2.0		2.0	1.0	1.0	1.0
4	LD02-4485	2.0		2.3	1.0	1.0	1.0
5	AR12-127092	2.0		3.8	1.0	1.0	1.0
6	AR12-127102	2.0		3.3	1.0	1.0	1.0
7	E11128T	2.0		3.3	1.0	1.0	1.0
8	E12007	2.0		3.0	1.0	1.0	1.0
9	E12076	2.0		4.8	1.0	1.3	1.7
10	LD10-5213a	2.0		2.3	1.0	1.0	1.0
11	LD10-10198	2.0		2.0	1.0	1.0	1.0
12	LD10-14323	2.7		2.5	1.0	1.0	1.0
13	LD11-4787a	2.0		2.5	1.0	1.0	1.0
14	U11-911079	2.0		1.5	1.0	1.0	1.0
15	U11-227016	2.0		1.5	1.0	1.0	1.0
16	U12-911082	2.0		1.0	1.0	1.0	1.0

2015 SCN UNIFORM TEST II

Height (inches)

		Ames IA	Moorhead IA	Pontiac IL	Urbana IL	West Lafayette IN	Fairfax MN	Lamberton MN
	SCN HG Type	2.5.7	2.5.7	Inf	2.5.7	2.5.7	1.2.5.7	Inf
	Strain							
1	IA2102	41	46	36	36	27	34	33
2	IA1022 (SCN)	38	45	32	35	20	32	31
3	IA3024	38	45	36	40	24	38	35
4	LD02-4485	40	44	33	35	26	34	33
5	AR12-127092	40	44	34	37	24	33	33
6	AR12-127102	40	48	38	39	25	30	32
7	E11128T	37	44	33	34	24	30	32
8	E12007	41	47	35	40	25	30	35
9	E12076	38	41	31	33	23	34	31
10	LD10-5213a	36	44	32	32	24	32	29
11	LD10-10198	39	43	36	36	25	36	33
12	LD10-14323	36	44	35	36	23	32	32
13	LD11-4787a	34	42	32	33	21	26	32
14	U11-911079	36	45	35	33	26	35	31
15	U11-227016	39	46	34	33	22	24	29
16	U12-911082	39	42	34	33	22	27	29

2015 SCN UNIFORM TEST II

Height (inches)

		Waseca MN	Columbus NE	Plattsmouth NE	Hoytville OH	Chatham ON	Harrow ON
	SCN HG Type	Inf	2.5.7	Inf	Inf	2.7	2.5.7
	Strain						
1	IA2102	30		41	25	30	34
2	IA1022 (SCN)	32		47	23	30	32
3	IA3024	31		43	24	32	36
4	LD02-4485	30		39	27	29	34
5	AR12-127092	31		43	25	34	36
6	AR12-127102	36		45	27	36	38
7	E11128T	31		37	25	31	33
8	E12007	32		41	28	31	37
9	E12076	28		36	22	35	37
10	LD10-5213a	30		43	25	32	33
11	LD10-10198	32		39	26	33	34
12	LD10-14323	32		40	25	32	35
13	LD11-4787a	32		38	23	30	35
14	U11-911079	28		36	26	31	33
15	U11-227016	30		39	25	27	34
16	U12-911082	33		40	25	33	34

2015 SCN UNIFORM TEST II

Seed Quality (score)

		Ames IA	Moorhead IA	Pontiac IL	Urbana IL	West Lafayette IN	Fairfax MN	Lamberton MN
	SCN HG Type	2.5.7	2.5.7	Inf	2.5.7	2.5.7	1.2.5.7	Inf
	Strain							
1	IA2102	1.0		2.0	2.0	1.0	2.0	1.0
2	IA1022 (SCN)	1.0		2.0	2.0	1.0	2.0	2.0
3	IA3024	1.0		2.0	3.0	1.5	2.0	2.0
4	LD02-4485	1.0		2.0	2.0	1.5	2.0	2.0
5	AR12-127092	2.0		3.0	2.0	1.5	2.0	1.0
6	AR12-127102	1.0		1.0	3.0	1.5	2.0	1.0
7	E11128T	2.0		2.0	3.0	1.0	1.0	2.0
8	E12007	1.0		1.0	1.0	1.0	2.0	2.0
9	E12076	1.0		1.0	3.0	1.0	2.0	1.0
10	LD10-5213a	2.0		2.0	2.0	1.0	2.0	1.0
11	LD10-10198	1.0		2.0	2.0	1.0	2.0	1.0
12	LD10-14323	1.0		1.0	2.0	1.0	2.0	2.0
13	LD11-4787a	1.0		2.0	2.0	1.5	2.0	1.0
14	U11-911079	1.0		2.0	1.0	1.5	2.0	1.0
15	U11-227016	1.0		2.0	2.0	1.0	2.0	1.0
16	U12-911082	2.0		2.0	2.0	1.5	2.0	2.0

2015 SCN UNIFORM TEST II

Seed Quality (score)

		Waseca MN	Columbus NE	Plattsmouth NE	Hoytville OH	Chatham ON	Harrow ON
	SCN HG Type	Inf	2.5.7	Inf	Inf	2.7	2.5.7
	Strain						
1	IA2102	2.0	2.0	2.0	1.0	1.0	1.0
2	IA1022 (SCN)	1.0	2.0	2.0	1.0	2.0	1.7
3	IA3024	2.0	2.0	2.0	1.0	1.0	1.0
4	LD02-4485	2.0	2.0	2.0	1.0	1.0	1.0
5	AR12-127092	2.0	2.0	2.0	1.0	1.0	1.0
6	AR12-127102	1.0	2.0	2.0	1.0	2.0	1.0
7	E11128T	2.0	2.0	2.0	1.0	1.0	1.0
8	E12007	2.0	2.0	2.0	1.0	1.0	1.0
9	E12076	1.0	2.0	1.0	2.0	1.7	1.0
10	LD10-5213a	1.0	2.0	2.0	1.0	1.3	2.0
11	LD10-10198	2.0	2.0	2.0	1.0	2.0	1.0
12	LD10-14323	2.0	2.0	2.0	1.0	1.0	1.0
13	LD11-4787a	2.0	2.0	2.0	1.0	1.0	1.0
14	U11-911079	1.0	2.0	2.0	1.0	1.0	1.0
15	U11-227016	2.0	2.0	2.0	1.0	1.0	1.0
16	U12-911082	2.0	2.0	2.0	1.0	1.0	1.0

2015 SCN UNIFORM TEST II

Seed Weight (g/100)

		Ames IA	Moorhead IA	Pontiac IL	Urbana IL	West Lafayette IN	Fairfax MN	Lamberton MN
	SCN HG Type	2.5.7	2.5.7	Inf	2.5.7	2.5.7	1.2.5.7	Inf
	Strain							
1	IA2102	15.4		17.4	16.8	14.6	16.1	16.0
2	IA1022 (SCN)	14.4		16.9	15.7	15.2	16.2	16.5
3	IA3024	14.4		18.5	16.0	15.2	15.9	17.2
4	LD02-4485	11.8		13.9	15.6	13.5	15.1	16.7
5	AR12-127092	17.6		19.8	19.4	18.1	17.5	17.6
6	AR12-127102	16.8		19.6	18.8	17.6	17.6	18.8
7	E11128T	18.4		21.2	20.0	18.7	19.9	20.4
8	E12007	12.5		16.9	14.3	12.5	13.5	13.5
9	E12076	15.5		18.7	18.6	15.4	16.5	16.1
10	LD10-5213a	14.7		16.2	16.3	14.4	18.0	18.1
11	LD10-10198	13.7		14.6	15.0	13.9	14.3	14.3
12	LD10-14323	14.0		16.8	16.0	13.0	17.1	17.4
13	LD11-4787a	14.8		16.4	15.0	13.8	16.3	16.1
14	U11-911079	12.1		14.4	13.5	12.4	13.4	14.0
15	U11-227016	12.6		15.3	15.3	14.9	14.4	15.7
16	U12-911082	16.3		17.3	16.1	15.7	17.2	17.8

2015 SCN UNIFORM TEST II

Seed Weight (g/100)

		Waseca MN	Columbus NE	Plattsmouth NE	Hoytville OH	Chatham ON	Harrow ON
	SCN HG Type	Inf	2.5.7	Inf	Inf	2.7	2.5.7
	Strain						
1	IA2102	15.4	13.0	18.0	15.6	17.1	18.1
2	IA1022 (SCN)	15.0	14.0	18.0	17.7	16.8	18.0
3	IA3024	16.0	14.0	19.0	16.4	16.7	18.7
4	LD02-4485	13.7	12.0	17.0	13.8	15.3	16.7
5	AR12-127092	16.5	14.0	19.0	19.0	19.9	20.6
6	AR12-127102	18.5	16.0	19.0	19.8	22.5	22.8
7	E11128T	19.8	19.0	22.0	20.5	23.3	24.6
8	E12007	14.0	12.0	16.0	14.3	14.2	14.9
9	E12076	16.8	16.0	18.0	16.4	20.0	20.6
10	LD10-5213a	16.0	14.0	17.0	15.2	17.6	18.9
11	LD10-10198	14.0	13.0	16.0	13.3	15.7	17.0
12	LD10-14323	16.7	15.0	17.0	14.2	19.8	20.8
13	LD11-4787a	16.2	14.0	18.0	15.8	17.5	18.3
14	U11-911079	12.8	12.0	15.0	12.6	14.4	15.4
15	U11-227016	14.5	13.0	15.0	13.7	14.6	15.7
16	U12-911082	17.8	15.0	19.0	16.6	19.5	19.8

2015 SCN UNIFORM TEST II

Protein (%)

		Ames IA	Moorhead IA	Pontiac IL	Urbana IL	West Lafayette IN	Fairfax MN	Lamberton MN
	SCN HG Type	2.5.7	2.5.7	Inf	2.5.7	2.5.7	1.2.5.7	Inf
	Strain							
1	IA2102	33.9		34.2	35.4	33.3	35.2	35.3
2	IA1022 (SCN)	33.8		33.9	33.8	31.8	30.4	30.8
3	IA3024	34.1		32.0	33.9	32.5	32.8	33.3
4	LD02-4485	33.5		30.9	30.7	30.9	34.0	33.1
5	AR12-127092	35.9		35.5	35.4	35.3	35.3	36.0
6	AR12-127102	33.8		33.5	35.1	33.2	34.7	34.5
7	E11128T	36.7		36.8	37.7	36.9	39.0	38.7
8	E12007	35.5		34.3	36.0	33.5	36.4	34.0
9	E12076	34.7		35.0	36.5	33.8	34.1	33.9
10	LD10-5213a	32.9		32.6	32.5	31.3	33.7	33.4
11	LD10-10198	35.6		32.4	33.3	32.2	35.0	32.1
12	LD10-14323	35.9		34.5	35.6	34.0	36.4	35.3
13	LD11-4787a	35.6		34.2	34.1	35.6	36.0	37.0
14	U11-911079	32.0		32.9	32.9	32.1	36.3	36.4
15	U11-227016	33.5		32.7	33.4	33.2	37.7	33.0
16	U12-911082	35.3		35.7	37.0	37.0	39.8	39.3

Oil (%)

		Ames IA	Moorhead IA	Pontiac IL	Urbana IL	West Lafayette IN	Fairfax MN	Lamberton MN
	SCN HG Type	2.5.7	2.5.7	Inf	2.5.7	2.5.7	1.2.5.7	Inf
	Strain							
1	IA2102	18.0		19.2	19.6	19.9	18.3	19.4
2	IA1022 (SCN)	19.6		21.2	21.4	21.9	19.1	20.2
3	IA3024	19.5		20.0	19.6	19.8	18.0	19.2
4	LD02-4485	18.5		20.2	20.8	20.1	18.6	18.7
5	AR12-127092	18.3		20.0	20.2	18.6	17.4	18.2
6	AR12-127102	18.5		19.6	18.8	20.0	17.8	18.2
7	E11128T	18.0		18.9	18.4	19.2	17.0	17.0
8	E12007	18.8		20.0	20.0	20.9	19.0	19.8
9	E12076	18.4		19.8	19.2	19.8	20.0	17.8
10	LD10-5213a	19.2		19.7	20.3	20.7	17.9	18.5
11	LD10-10198	17.0		20.1	19.7	19.5	16.6	18.0
12	LD10-14323	18.7		19.7	20.1	20.0	17.8	18.1
13	LD11-4787a	18.3		20.2	20.6	20.0	18.5	18.1
14	U11-911079	18.8		19.2	19.9	19.3	17.7	17.9
15	U11-227016	19.6		20.3	20.9	20.7	18.1	19.1
16	U12-911082	19.3		19.9	19.1	19.4	17.6	18.1

2015 SCN UNIFORM TEST II

Protein (%)

		Waseca MN	Columbus NE	Plattsmouth NE	Hoytville OH	Chatham ON	Harrow ON
	SCN HG Type	Inf	2.5.7	Inf	Inf	2.7	2.5.7
	Strain						
1	IA2102	32.1		34.9	34.7	35.3	36.4
2	IA1022 (SCN)	31.7		34.1	34.8	33.1	34.5
3	IA3024	32.1		34.5	35.0	34.0	35.1
4	LD02-4485	32.0		32.9	32.7	33.8	34.7
5	AR12-127092	32.8		36.2	36.5	36.9	37.7
6	AR12-127102	31.1		35.0	34.7	35.9	36.2
7	E11128T	35.4		38.3	38.1	39.8	40.6
8	E12007	31.9		35.8	35.5	35.6	36.5
9	E12076	31.7		34.7	35.5	35.5	36.0
10	LD10-5213a	32.0		33.5	32.1	34.6	35.0
11	LD10-10198	33.1		34.7	34.8	35.6	35.8
12	LD10-14323	33.1		34.3	35.1	36.6	37.2
13	LD11-4787a	32.7		35.9	35.4	36.7	37.1
14	U11-911079	31.5		34.0	34.2	35.4	35.6
15	U11-227016	33.4		34.0	36.3	35.3	35.7
16	U12-911082	34.1		36.0	38.3	37.1	37.1

Oil (%)

		Waseca MN	Columbus NE	Plattsmouth NE	Hoytville OH	Chatham ON	Harrow ON
	SCN HG Type	Inf	2.5.7	Inf	Inf	2.7	2.5.7
	Strain						
1	IA2102	18.0		19.9	18.6	18.8	17.7
2	IA1022 (SCN)	20.2		20.2	20.1	20.9	19.8
3	IA3024	18.0		19.2	19.2	19.1	18.4
4	LD02-4485	18.7		19.6	19.7	19.5	18.6
5	AR12-127092	17.5		19.0	18.8	18.0	17.5
6	AR12-127102	17.8		19.3	19.5	18.4	17.9
7	E11128T	17.3		18.6	17.6	16.9	16.4
8	E12007	18.3		19.8	19.4	18.7	18.2
9	E12076	17.5		19.9	18.4	18.5	17.7
10	LD10-5213a	18.2		20.0	19.5	19.4	19.0
11	LD10-10198	17.8		19.0	18.2	18.1	17.7
12	LD10-14323	17.6		20.0	18.6	18.2	18.0
13	LD11-4787a	18.1		19.3	19.1	18.6	17.8
14	U11-911079	17.5		18.5	18.1	18.4	17.9
15	U11-227016	18.6		20.0	18.9	19.3	18.5
16	U12-911082	17.8		19.4	18.0	18.8	18.3

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	Strain	Descriptive code	Parentage
1	IA2102	WGy	A04-545045 x AgriPro 98180-A01-06131
2	IA1022 (SCN)	PGy	Dairyland 98822 x A00-711024
3	IA3024	PGibl	A97-553017 x Pioneer YB33A99
4	LD02- 4485	PGbf	M90-184111 x IA3010
5	AR13-231003	PGibl	AR07-175036 x AR05-150139
6	AR13-231004	PGibl	AR07-175036 x AR05-150139
7	AR14-247026	PLtbl	AR07-176119 x (A95-684043 x PI 404166)
8	AR14-247037	PGibl	AR07-176090 x (A95-684043 x Ina)
9	AR14-247080	PT+Ltbr	AR07-176090 x (Ina x AR03-161009)
10	E13021T	PGy	E05181-T x LD01-7323
11	E13036T	PGy	E05276-T x LD01-7323
12	E13100	WGy	LD01-7323 x U01-390489
13	E13139	WTbl	Nenfeng 16 x U01-390489
14	E13212	PGibl	E06161 x E07051
15	E13268	PLtbl	U03-300134 x E07051
16	E13364	PGibl	E07051 x E10928
17	E13367	WGbf	E07051 x E10928
18	E13369	P+WGbf	E07051 x E10928
19	E13370	WTbl	E07051 x E10928
20	LD12-65	WTbl	235.T x LD03-10504
21	LD12-459	PGibl	LD02-4485 x LD06-7620
22	LD12-5750a	WLtbl	Syngenta 06NB203585 x LD09-15487
23	LD12-5816a	PGibl	Syngenta 06NB203585 x LD09-15487
24	LD12-6010a	WLtbl	Syngenta 06NB204846 x LD09-15464
25	LD12-12701a	PGbf	LD08-12446a x LD05-30588a
26	M09-269012	WTy	MN0908CN x LD02-4485
27	M09-278112	PGy	M90-184111 x E06936
28	M09-278134	WGy	M90-184111 x E06936
29	M09-281011	PTy	MN1701CN x LD02-4485
30	M09-281100	WTy	MN1701CN x LD02-4485
31	M09-285056	PGy	MN1701CN x E06936
32	MSC09-776046	WTy	MN1410 x PI567516C
33	MSC09-777143	WGbf+y	IA2073 x PI438489B
34	MSC09-778005	P+WTy	IA2073 x PI438489B
35	MSC09-778027	PTy/br	IA2073 x PI438489B
36	ORC 8412N	PGy	HD Goshen x A04-543037

2015 SCN PRELIMINARY TEST II

	Strain	Gen comp	SCN res source	Traits
1	IA2102	F4	None	
2	IA1022 (SCN)	F5	PI 88788	
3	IA3024	F5	None	1% linolenic
4	LD02- 4485	F5	PI 88788	
5	AR13-231003	F5	PI 90763,88788	
6	AR13-231004	F5	PI 90763,88788	
7	AR14-247026	F3	PI 404166	
8	AR14-247037	F3	PI 88788,437654,90763	
9	AR14-247080	F3	PI 88788,437654,507354	
10	E13021T	F5	PI 88788	
11	E13036T	F5	PI 88788	
12	E13100	F5	PI 88788	
13	E13139	F5	PI 88788	
14	E13212	F5	PI 88788	
15	E13268	F5	PI 88788	
16	E13364	F5	PI 88788	
17	E13367	F5	PI 88788	
18	E13369	F5	PI 88788	
19	E13370	F5	PI 88788	
20	LD12-65	F5	PI 88788	
21	LD12-459	F5	PI 88788	
22	LD12-5750a	F5	PI 88788	Rag 2
23	LD12-5816a	F5	PI 88788	Rag 2
24	LD12-6010a	F5	PI 88788	Rag 2
25	LD12-12701a	F5	PI 88788	Rag1+2
26	M09-269012	F5	PI 88788,209332	
27	M09-278112	F5	PI 88788	
28	M09-278134	F5	PI 88788	
29	M09-281011	F5	PI 88788,209332	
30	M09-281100	F5	PI 88788,209332	
31	M09-285056	F5	PI 88788,209332	
32	MSC09-776046	F5	PI 567516C	
33	MSC09-777143	F5	PI 438489B	1% linolenic
34	MSC09-778005	F5	PI 438489B	1% linolenic
35	MSC09-778027	F5	PI 438489B	1% linolenic
36	ORC 8412N	F5	PI 88788	

2015 SCN PRELIMINARY TEST II

		IL SCN screen				ISU IDC	MN IDC
		HG Type 0		HG Type 2.5.7		Ames	Danvers
	Strain	FI	rating	FI	rating	score	score
1	IA2102	8	HR	33	MR	1.6	3.0
2	IA1022 (SCN)	16	R	13	R	2.5	4.0
3	IA3024	89	NR	71	NR	1.9	3.3
4	LD02- 4485	4	HR	8	HR	2.6	2.5
5	AR13-231003	5	HR	11	R	2.1	4.4
6	AR13-231004	7	HR	15	R	1.8	4.3
7	AR14-247026	4	HR	8	HR	2.3	4.0
8	AR14-247037	5	HR	10	R	1.8	4.4
9	AR14-247080	0	HR	0	HR	2.0	4.8
10	E13021T	5	HR	30	MR	2.6	4.4
11	E13036T	3	HR	10	R	2.3	4.5
12	E13100	7	HR	15	R	1.7	4.5
13	E13139	7	HR	56	LR	1.8	4.5
14	E13212	13	R	20	R	1.8	4.3
15	E13268	25	MR	72	NR	2.3	3.5
16	E13364	43	LR	60	NR	1.5	3.4
17	E13367	**	**	20	R	2.3	3.5
18	E13369	48	LR	61	NR	1.9	3.5
19	E13370	19	R	67	NR	2.1	2.9
20	LD12-65	56	LR	70	NR	2.3	3.0
21	LD12-459	4	HR	6	HR	3.0	4.3
22	LD12-5750a	23	R	30	MR	1.4	2.5
23	LD12-5816a	18	R	35	MR	1.9	3.3
24	LD12-6010a	20	R	58	LR	2.5	3.5
25	LD12-12701a	4	HR	17	R	2.6	2.3
26	M09-269012	3	HR	18	R	2.1	3.3
27	M09-278112	1	HR	11	R	2.4	2.5
28	M09-278134	4	HR	12	R	1.6	3.8
29	M09-281011	4	HR	6	HR	2.1	2.3
30	M09-281100	5	HR	12	R	2.6	2.3
31	M09-285056	5	HR	15	R	1.7	2.5
32	MSC09-776046	38	MR	41	LR	2.6	4.0
33	MSC09-777143	3	HR	10	R	2.6	3.0
34	MSC09-778005	2	HR	5	HR	2.6	3.3
35	MSC09-778027	4	HR	7	HR	2.3	2.3
36	ORC 8412N	5	HR	15	R	2.0	3.3

**rep data too variable to rate

A11 (res)	1.4
IA3049 (sus)	2.5

2015 SCN PRELIMINARY TEST II
Summary

		Yield									Seed			
		All		Infested		Non-infested		Maturity	Lodging	Height	quality	weight	protein	oil
	Strain	bu/a	rank	bu/a	rank	bu/a	rank	date	score	inches	score	g/100	@13%	@13%
	Locations	**8**		8		0		6	6	7	7	7	6	6
1	IA2102	**63.2**	**2**	63.2	2			9/25	2.6	37	1.4	15.8	34.2	18.9
2	IA1022 (SCN)	**51.7**	**35**	51.7	35			-5	2.3	33	2.0	15.8	32.6	20.6
3	IA3024	**52.6**	**34**	52.6	34			4	2.0	36	1.7	16.6	33.9	18.9
4	LD02- 4485	**57.7**	**17**	57.7	17			1	2.1	35	1.7	15.1	32.1	19.0
5	AR13-231003	**57.9**	**16**	57.9	16			3	2.5	36	1.9	16.2	34.4	19.0
6	AR13-231004	**60.2**	**9**	60.2	9			2	2.0	38	1.9	16.5	33.1	19.4
7	AR14-247026	**47.1**	**36**	47.1	36			-4	1.9	34	1.9	16.4	35.3	19.1
8	AR14-247037	**56.2**	**21**	56.2	21			-1	2.3	34	1.6	16.0	34.7	18.8
9	AR14-247080	**58.7**	**11**	58.7	11			4	3.5	46	1.6	15.0	34.6	18.2
10	E13021T	**55.1**	**28**	55.1	28			2	1.9	34	1.7	17.5	34.8	18.8
11	E13036T	**55.2**	**26**	55.2	26			1	2.2	33	2.1	19.8	35.1	18.8
12	E13100	**56.7**	**18**	56.7	18			-3	2.1	36	1.7	18.7	33.8	19.6
13	E13139	**54.5**	**30**	54.5	30			3	2.5	37	1.7	16.6	35.1	19.0
14	E13212	**58.7**	**11**	58.7	11			2	1.8	32	2.3	19.0	35.7	19.5
15	E13268	**55.2**	**26**	55.2	26			-5	1.7	33	2.0	14.8	32.5	19.8
16	E13364	**54.9**	**29**	54.9	29			1	2.8	33	1.9	15.9	34.7	18.9
17	E13367	**55.3**	**25**	55.3	25			-2	2.3	33	1.9	15.3	33.4	18.8
18	E13369	**52.8**	**32**	52.8	32			-3	2.5	35	1.9	13.9	34.6	18.2
19	E13370	**56.7**	**18**	56.7	18			-1	2.1	33	1.7	14.9	34.6	18.4
20	LD12-65	**52.7**	**33**	52.7	33			3	2.0	35	1.9	15.5	35.0	18.8
21	LD12-459	**61.6**	**3**	61.6	3			4	2.0	33	2.1	14.4	33.7	18.5
22	LD12-5750a	**55.8**	**23**	55.8	23			-5	1.8	32	1.9	15.5	35.0	19.1
23	LD12-5816a	**60.9**	**6**	60.9	6			1	1.9	34	2.1	16.0	35.9	18.9
24	LD12-6010a	**61.0**	**4**	61.0	4			-1	1.5	33	1.9	16.3	35.2	18.8
25	LD12-12701a	**60.8**	**7**	60.8	7			5	2.4	37	1.7	15.8	33.8	19.6
26	M09-269012	**60.7**	**8**	60.7	8			-3	2.1	39	1.4	15.9	33.3	20.2
27	M09-278112	**61.0**	**4**	61.0	4			-4	1.6	32	1.9	16.3	33.0	20.1
28	M09-278134	**55.8**	**24**	55.8	24			-6	2.4	37	2.0	14.2	33.8	18.8
29	M09-281011	**56.6**	**20**	56.6	20			-1	1.7	32	1.9	15.2	32.1	19.8
30	M09-281100	**59.0**	**10**	59.0	10			-4	2.7	36	1.7	14.1	33.0	19.7
31	M09-285056	**58.7**	**11**	58.7	11			-6	2.0	33	1.9	14.6	32.7	19.8
32	MSC09-776046	**53.8**	**31**	53.8	31			-3	2.6	37	1.9	16.6	32.8	19.5
33	MSC09-777143	**63.9**	**1**	63.9	1			1	2.4	35	2.0	14.9	32.6	20.0
34	MSC09-778005	**56.1**	**22**	56.1	22			-3	3.1	36	2.0	14.8	33.0	19.1
35	MSC09-778027	**58.1**	**14**	58.1	14			-6	1.8	32	2.0	15.1	32.2	20.1
36	ORC 8412N	**58.0**	**15**	58.0	15			-4	2.1	34	2.0	18.4	33.4	19.9
	Mean	**57.1**		57.1				24.4	2.2	34.8	1.8	15.9	33.9	19.2
	LSD(.05)	**4.8**		4.8				1.4	0.3	2.3				
	C.V. %	**12.2**		12.2				7.0	18.6	8.7				
	Replications	**16**		16				12	12	14				

2015 SCN PRELIMINARY TEST II
Yield (bu/a)

		Ames IA	Moorhead IA	Pontiac IL	Fairfax MN	Lamberton MN	Waseca MN	Columbus NE	Platts-mouth NE
	SCN HG Type	2.5.7	2.5.7	Inf	1.2.5.7	Inf	Inf	2.5.7	Inf
	Strain								
1	IA2102	60.2	82.9	75.2	55.0	55.5	59.8	52.6	64.3
2	IA1022 (SCN)	53.3	66.5	43.8	57.5	55.8	43.4	35.0	58.3
3	IA3024	52.5	62.4	79.2	42.4	46.8	38.6	35.0	63.8
4	LD02- 4485	60.4	65.9	68.8	56.7	56.7	48.4	52.2	52.4
5	AR13-231003	59.0	70.7	71.8	54.8	52.5	58.4	39.9	55.7
6	AR13-231004	59.2	71.1	70.5	60.6	53.9	54.6	53.5	58.4
7	AR14-247026	51.1	55.5	59.5	43.1	42.6	49.4	32.2	43.6
8	AR14-247037	60.7	69.3	56.0	58.1	38.7	62.1	48.5	56.4
9	AR14-247080	61.3	72.3	71.5	50.8	55.8	56.2	51.5	50.3
10	E13021T	54.4	69.0	64.7	47.6	56.0	47.4	38.9	62.9
11	E13036T	58.4	67.8	59.3	38.4	54.5	49.7	51.8	61.8
12	E13100	54.8	72.0	62.5	43.9	54.0	53.3	53.8	59.6
13	E13139	53.5	67.5	63.6	52.7	53.6	56.2	44.9	43.7
14	E13212	58.0	70.1	61.2	52.0	55.4	56.2	49.7	66.6
15	E13268	59.7	73.2	63.9	39.9	49.7	49.5	37.1	68.1
16	E13364	56.0	70.4	74.9	36.6	58.4	54.6	40.0	48.5
17	E13367	52.3	71.4	63.0	56.0	57.5	55.1	35.9	50.7
18	E13369	54.1	69.5	55.9	46.2	52.1	51.0	36.8	56.3
19	E13370	54.7	66.9	72.4	48.2	61.0	45.7	40.8	64.0
20	LD12-65	57.9	61.0	73.5	33.6	48.8	48.9	34.6	63.7
21	LD12-459	62.5	78.0	63.7	47.4	63.8	48.3	52.9	76.2
22	LD12-5750a	58.9	70.5	58.3	44.3	68.9	54.2	24.2	67.1
23	LD12-5816a	56.7	65.0	66.2	47.8	63.2	55.2	61.0	71.9
24	LD12-6010a	59.5	75.9	74.1	48.9	55.9	59.3	44.5	70.2
25	LD12-12701a	52.9	65.1	74.6	57.7	77.2	39.9	56.0	63.1
26	M09-269012	60.6	72.3	63.9	61.0	60.2	56.5	42.6	68.4
27	M09-278112	56.5	63.4	63.1	57.8	59.4	53.2	61.2	73.1
28	M09-278134	59.7	61.8	58.6	54.0	52.4	50.5	53.2	55.9
29	M09-281011	50.1	68.2	62.9	50.8	57.0	55.3	40.2	68.6
30	M09-281100	59.1	69.3	61.2	50.5	53.8	48.1	51.5	78.5
31	M09-285056	60.5	66.7	61.5	58.5	55.1	51.9	46.9	68.5
32	MSC09-776046	53.3	68.5	54.7	53.1	54.7	55.3	40.2	50.6
33	MSC09-777143	58.5	70.9	77.4	57.9	63.2	55.5	57.5	70.7
34	MSC09-778005	52.1	68.4	56.5	61.1	53.5	49.7	47.5	60.2
35	MSC09-778027	56.2	64.6	57.8	58.2	60.5	50.9	52.7	63.5
36	ORC 8412N	55.0	73.4	43.6	62.6	60.4	59.2	49.3	60.5
	Average	56.8	68.8	64.1	51.3	56.1	52.3	45.7	61.6
	LSD(.05)	9.8	7.6	9.9	15.2	15.4	9.9	14.9	17.5
	C.V. %	8.5	5.4	7.6	14.6	13.6	9.3	16.1	14.0
	Replications	2	2	2	3	3	3	2	2
	Row width (in.)	30	30	30	30	30	30	30	30

2015 SCN PRELIMINARY TEST II

Yield (rank)

		Ames IA	Moorhead IA	Pontiac IL	Fairfax MN	Lamberton MN	Waseca MN	Columbus NE	Platts-mouth NE
	SCN HG Type	2.5.7	2.5.7	Inf	1.2.5.7	Inf	Inf	2.5.7	Inf
	Strain								
1	IA2102	7	1	3	14	19	2	10	13
2	IA1022 (SCN)	29	27	35	11	17	34	32	25
3	IA3024	32	33	1	32	34	36	32	15
4	LD02- 4485	6	28	12	12	14	29	11	30
5	AR13-231003	13	12	9	15	29	5	27	29
6	AR13-231004	11	10	11	4	25	15	6	24
7	AR14-247026	35	36	26	31	35	27	35	36
8	AR14-247037	3	17	32	7	36	1	17	26
9	AR14-247080	2	6	10	20	17	7	13	33
10	E13021T	26	19	14	26	15	32	28	19
11	E13036T	16	23	27	34	23	24	12	20
12	E13100	24	8	22	30	24	18	5	23
13	E13139	28	24	18	18	27	7	20	35
14	E13212	17	15	24	19	20	7	15	12
15	E13268	8	5	15	33	32	26	29	10
16	E13364	22	14	4	35	11	15	26	34
17	E13367	33	9	20	13	12	14	31	31
18	E13369	27	16	33	28	31	21	30	27
19	E13370	25	25	8	24	6	33	23	14
20	LD12-65	18	35	7	36	33	28	34	16
21	LD12-459	1	2	17	27	3	30	8	2
22	LD12-5750a	14	13	29	29	2	17	36	11
23	LD12-5816a	19	30	13	25	4	13	2	4
24	LD12-6010a	10	3	6	23	16	3	21	6
25	LD12-12701a	31	29	5	10	1	35	4	18
26	M09-269012	4	6	15	3	9	6	22	9
27	M09-278112	20	32	19	9	10	19	1	3
28	M09-278134	9	34	28	16	30	23	7	28
29	M09-281011	36	22	21	20	13	11	24	7
30	M09-281100	12	17	24	22	26	31	13	1
31	M09-285056	5	26	23	5	21	20	19	8
32	MSC09-776046	29	20	34	17	22	11	24	32
33	MSC09-777143	15	11	2	8	4	10	3	5
34	MSC09-778005	34	21	31	2	28	24	18	22
35	MSC09-778027	21	31	30	6	7	22	9	17
36	ORC 8412N	23	4	36	1	8	4	16	21

2015 SCN PRELIMINARY TEST II

Maturity

		Ames	Moorhead	Pontiac	Fairfax	Lamberton	Waseca	Columbus	Platts-mouth
		IA	IA	IL	MN	MN	MN	NE	NE
	SCN HG Type	2.5.7	2.5.7	Inf	1.2.5.7	Inf	Inf	2.5.7	Inf
	Strain								
1	IA2102	9/27		9/8	9/28	10/6	10/2		9/23
2	IA1022 (SCN)	-9		-7	-4	-7	-5		-2
3	IA3024	4		7	0	4	5		2
4	LD02- 4485	0		4	2	-1	-1		0
5	AR13-231003	2		8	0	1	4		0
6	AR13-231004	0		7	2	3	3		-2
7	AR14-247026	-8		-4	-2	-4	-1		-7
8	AR14-247037	-3		1	0	-3	0		-2
9	AR14-247080	7		5	0	2	6		4
10	E13021T	3		2	2	0	2		0
11	E13036T	-1		4	2	0	2		-1
12	E13100	-3		1	-10	-2	-4		-2
13	E13139	3		6	2	1	1		3
14	E13212	2		5	4	0	3		-3
15	E13268	-6		-2	-2	-6	-6		-8
16	E13364	-2		3	2	1	0		1
17	E13367	-6		2	-2	-2	-1		-3
18	E13369	-5		-3	-6	-2	-2		-4
19	E13370	0		3	-8	-1	0		-1
20	LD12-65	4		6	2	0	4		3
21	LD12-459	4		7	3	4	5		2
22	LD12-5750a	-6		-3	-6	-4	-6		-4
23	LD12-5816a	2		3	0	-1	2		1
24	LD12-6010a	-3		3	0	-3	-3		-2
25	LD12-12701a	4		11	2	5	4		1
26	M09-269012	-4		1	-4	-3	-4		-5
27	M09-278112	-6		1	-6	-3	-5		-4
28	M09-278134	-6		-5	-12	-4	-8		-5
29	M09-281011	-3		2	0	-2	-2		-3
30	M09-281100	-2		-4	-10	-3	-5		-3
31	M09-285056	-6		-3	-10	-4	-6		-9
32	MSC09-776046	-3		-1	-12	-2	-1		-1
33	MSC09-777143	0		6	-2	1	2		-1
34	MSC09-778005	-2		-3	-6	-2	-4		-2
35	MSC09-778027	-7		-6	-10	-2	-7		-4
36	ORC 8412N	-6		-6	-2	-3	-4		-3
	Planted	5/21	5/27	5/07	5/21	5/20	5/13	5/22	6/08

2015 SCN PRELIMINARY TEST II

Lodging (score)

		Ames IA	Moorhead IA	Pontiac IL	Fairfax MN	Lamberton MN	Waseca MN	Columbus NE	Platts-mouth NE
	SCN HG Type	2.5.7	2.5.7	Inf	1.2.5.7	Inf	Inf	2.5.7	Inf
	Strain								
1	IA2102	2.8	3.5	2.0		1.5	2.0		4.0
2	IA1022 (SCN)	2.3	3.0	1.3		1.0	2.0		4.0
3	IA3024	2.0	3.0	1.6		1.0	2.0		2.3
4	LD02- 4485	2.3	3.0	1.3		1.0	2.0		3.0
5	AR13-231003	2.8	3.0	1.5		1.5	2.5		3.8
6	AR13-231004	2.8	2.8	1.3		1.5	2.0		2.0
7	AR14-247026	2.3	2.8	1.3		1.0	2.0		2.0
8	AR14-247037	2.3	3.3	1.3		1.0	2.0		4.0
9	AR14-247080	3.5	4.0	2.8		3.0	3.0		4.5
10	E13021T	2.5	2.8	1.3		1.0	2.0		2.0
11	E13036T	2.5	3.0	1.5		1.0	2.0		3.0
12	E13100	2.3	3.3	1.0		1.0	2.0		3.3
13	E13139	2.8	3.5	1.3		1.5	2.0		4.3
14	E13212	2.3	3.0	1.0		1.0	2.0		1.8
15	E13268	1.5	2.8	1.3		1.0	2.0		1.8
16	E13364	2.5	3.5	1.3		2.5	2.0		5.0
17	E13367	2.0	3.8	1.0		1.0	2.0		4.0
18	E13369	2.5	3.5	1.3		1.5	2.0		4.3
19	E13370	2.3	3.3	1.3		1.5	2.0		2.5
20	LD12-65	2.8	2.8	1.3		1.0	2.0		2.5
21	LD12-459	2.3	3.0	1.5		1.0	2.0		2.5
22	LD12-5750a	2.0	2.8	1.0		1.0	2.0		2.0
23	LD12-5816a	2.3	3.0	1.0		1.0	2.0		2.0
24	LD12-6010a	2.3	2.0	1.0		1.0	2.0		1.0
25	LD12-12701a	2.5	3.3	1.5		2.0	2.0		3.0
26	M09-269012	2.3	3.3	1.0		1.0	2.0		3.0
27	M09-278112	1.8	2.3	1.3		1.0	2.0		1.3
28	M09-278134	2.5	3.5	1.0		1.0	2.0		4.5
29	M09-281011	2.0	2.8	1.3		1.0	2.0		1.3
30	M09-281100	2.5	4.0	1.5		1.5	2.0		4.5
31	M09-285056	2.3	2.8	1.0		1.0	2.0		3.3
32	MSC09-776046	2.5	3.3	1.0		2.0	3.0		4.0
33	MSC09-777143	2.0	3.5	1.8		2.0	2.0		3.3
34	MSC09-778005	2.8	3.8	2.3		2.0	3.0		4.8
35	MSC09-778027	2.0	3.3	1.0		1.0	2.0		1.8
36	ORC 8412N	2.0	3.3	1.0		1.0	2.0		3.3

2015 SCN PRELIMINARY TEST II

Height (inches)

	Strain	Ames IA	Moorhead IA	Pontiac IL	Fairfax MN	Lamberton MN	Waseca MN	Columbus NE	Platts-mouth NE
	SCN HG Type	2.5.7	2.5.7	Inf	1.2.5.7	Inf	Inf	2.5.7	Inf
1	IA2102	40	45	33	35	34	30		40
2	IA1022 (SCN)	38	42	26	30	29	26		40
3	IA3024	40	47	34	27	32	29		44
4	LD02- 4485	39	46	31	30	31	29		41
5	AR13-231003	40	38	35	37	33	33		40
6	AR13-231004	41	48	35	35	34	35		39
7	AR14-247026	37	44	33	28	31	31		36
8	AR14-247037	38	46	31	27	29	32		39
9	AR14-247080	52	64	39	40	42	40		49
10	E13021T	39	45	31	28	30	29		39
11	E13036T	37	43	28	26	33	31		36
12	E13100	40	48	33	29	33	31		39
13	E13139	44	46	36	32	33	34		37
14	E13212	38	40	27	27	29	30		36
15	E13268	36	46	28	26	27	27		39
16	E13364	39	44	29	25	31	28		38
17	E13367	32	44	27	30	33	29		37
18	E13369	37	49	29	32	34	30		36
19	E13370	37	47	31	21	33	25		36
20	LD12-65	40	44	31	29	33	30		39
21	LD12-459	37	39	29	26	31	30		40
22	LD12-5750a	34	42	27	24	30	29		37
23	LD12-5816a	36	46	28	25	33	32		40
24	LD12-6010a	35	42	28	29	31	30		35
25	LD12-12701a	41	47	33	33	36	33		39
26	M09-269012	42	48	31	43	31	31		49
27	M09-278112	33	42	26	33	26	27		36
28	M09-278134	44	43	32	36	32	32		41
29	M09-281011	36	41	26	24	26	31		38
30	M09-281100	36	44	30	32	32	30		45
31	M09-285056	37	43	27	27	30	29		41
32	MSC09-776046	42	48	30	35	35	32		38
33	MSC09-777143	35	39	30	32	33	31		44
34	MSC09-778005	37	46	32	34	32	33		37
35	MSC09-778027	33	43	24	32	30	27		37
36	ORC 8412N	36	47	25	43	17	30		41

2015 SCN PRELIMINARY TEST II

Seed Quality (score)

		Ames	Moorhead	Pontiac	Fairfax	Lamberton	Waseca	Columbus	Platts-mouth
		IA	IA	IL	MN	MN	MN	NE	NE
	SCN HG Type	2.5.7	2.5.7	Inf	1.2.5.7	Inf	Inf	2.5.7	Inf
	Strain								
1	IA2102	1.0		1.0	2.0	2.0	1.0	1.0	2.0
2	IA1022 (SCN)	1.0		3.0	2.0	2.0	2.0	2.0	2.0
3	IA3024	1.0		2.0	2.0	2.0	1.0	2.0	2.0
4	LD02- 4485	1.0		2.0	1.0	2.0	2.0	2.0	2.0
5	AR13-231003	2.0		2.0	2.0	2.0	1.0	2.0	2.0
6	AR13-231004	2.0		2.0	2.0	2.0	2.0	2.0	1.0
7	AR14-247026	2.0		2.0	1.0	2.0	2.0	2.0	2.0
8	AR14-247037	1.0		1.0	2.0	2.0	1.0	2.0	2.0
9	AR14-247080	1.0		1.0	2.0	2.0	1.0	2.0	2.0
10	E13021T	2.0		1.0	2.0	2.0	2.0	2.0	1.0
11	E13036T	2.0		2.0	2.0	2.0	3.0	2.0	2.0
12	E13100	1.0		2.0	2.0	2.0	1.0	2.0	2.0
13	E13139	1.0		2.0	2.0	2.0	1.0	2.0	2.0
14	E13212	2.0		3.0	3.0	2.0	2.0	2.0	2.0
15	E13268	2.0		2.0	2.0	2.0	2.0	2.0	2.0
16	E13364	2.0		2.0	2.0	1.0	2.0	2.0	2.0
17	E13367	1.0		2.0	2.0	2.0	2.0	2.0	2.0
18	E13369	2.0		2.0	2.0	1.0	2.0	2.0	2.0
19	E13370	1.0		2.0	2.0	2.0	1.0	2.0	2.0
20	LD12-65	2.0		1.0	2.0	2.0	2.0	2.0	2.0
21	LD12-459	2.0		3.0	2.0	2.0	2.0	2.0	2.0
22	LD12-5750a	2.0		2.0	1.0	2.0	2.0	2.0	2.0
23	LD12-5816a	3.0		2.0	2.0	2.0	2.0	2.0	2.0
24	LD12-6010a	2.0		2.0	2.0	2.0	1.0	2.0	2.0
25	LD12-12701a	2.0		2.0	2.0	1.0	1.0	2.0	2.0
26	M09-269012	1.0		2.0	1.0	1.0	1.0	2.0	2.0
27	M09-278112	2.0		2.0	1.0	2.0	2.0	2.0	2.0
28	M09-278134	2.0		2.0	2.0	2.0	2.0	2.0	2.0
29	M09-281011	2.0		2.0	2.0	2.0	1.0	2.0	2.0
30	M09-281100	1.0		2.0	1.0	2.0	2.0	2.0	2.0
31	M09-285056	2.0		2.0	2.0	2.0	1.0	2.0	2.0
32	MSC09-776046	2.0		2.0	2.0	2.0	1.0	2.0	2.0
33	MSC09-777143	2.0		3.0	2.0	1.0	2.0	2.0	2.0
34	MSC09-778005	2.0		2.0	2.0	2.0	2.0	2.0	2.0
35	MSC09-778027	2.0		2.0	2.0	2.0	2.0	2.0	2.0
36	ORC 8412N	2.0		3.0	1.0	2.0	2.0	2.0	2.0

2015 SCN PRELIMINARY TEST II

Seed Weight (g/100)

		Ames IA	Moorhead IA	Pontiac IL	Fairfax MN	Lamberton MN	Waseca MN	Columbus NE	Platts-mouth NE
	SCN HG Type	2.5.7	2.5.7	Inf	1.2.5.7	Inf	Inf	2.5.7	Inf
	Strain								
1	IA2102	14.6		17.3	16.3	16.8	15.3	13.0	17.0
2	IA1022 (SCN)	14.1		19.1	15.6	16.3	14.6	14.0	17.0
3	IA3024	14.9		18.4	15.2	17.5	16.4	15.0	19.0
4	LD02- 4485	13.0		14.3	15.4	17.2	17.6	12.0	16.0
5	AR13-231003	16.3		17.9	17.3	18.5	14.3	12.0	17.0
6	AR13-231004	15.6		17.6	16.9	18.6	17.1	14.0	16.0
7	AR14-247026	17.0		17.6	16.3	17.2	16.8	13.0	17.0
8	AR14-247037	14.3		17.2	15.8	18.0	16.5	13.0	17.0
9	AR14-247080	14.6		15.8	15.0	16.5	15.0	13.0	15.0
10	E13021T	16.8		19.9	16.9	19.7	17.1	14.0	18.0
11	E13036T	18.3		21.9	19.2	22.0	19.4	17.0	21.0
12	E13100	16.5		22.1	16.3	19.8	19.3	17.0	20.0
13	E13139	14.8		17.3	17.2	17.9	16.9	14.0	18.0
14	E13212	17.9		22.2	19.3	20.0	18.9	16.0	19.0
15	E13268	14.1		16.5	15.1	14.4	14.4	13.0	16.0
16	E13364	14.7		16.8	16.7	18.0	16.0	12.0	17.0
17	E13367	13.3		17.2	16.5	16.5	15.5	13.0	15.0
18	E13369	12.7		15.5	14.5	15.3	13.3	11.0	15.0
19	E13370	15.2		16.6	13.1	15.9	15.7	11.0	17.0
20	LD12-65	15.4		15.7	14.3	16.0	15.2	14.0	18.0
21	LD12-459	12.8		14.4	13.5	15.8	14.1	14.0	16.0
22	LD12-5750a	14.3		17.0	15.9	16.6	15.9	13.0	16.0
23	LD12-5816a	14.2		17.8	15.5	17.8	15.8	14.0	17.0
24	LD12-6010a	14.3		17.2	15.8	22.1	15.9	13.0	16.0
25	LD12-12701a	14.9		15.4	16.1	18.1	16.4	13.0	17.0
26	M09-269012	11.8		15.3	17.9	20.5	17.7	12.0	16.0
27	M09-278112	13.6		16.1	15.2	26.3	14.8	13.0	15.0
28	M09-278134	12.9		15.8	14.0	14.8	13.6	12.0	16.0
29	M09-281011	13.7		15.8	15.3	17.4	15.2	13.0	16.0
30	M09-281100	12.9		15.2	14.0	15.5	14.0	11.0	16.0
31	M09-285056	14.3		15.3	14.5	16.2	13.6	13.0	15.0
32	MSC09-776046	14.2		18.7	14.5	25.3	14.5	13.0	16.0
33	MSC09-777143	13.7		16.2	14.5	16.5	14.5	12.0	17.0
34	MSC09-778005	12.0		13.8	13.0	25.5	13.4	11.0	15.0
35	MSC09-778027	13.4		17.0	14.6	16.9	14.6	13.0	16.0
36	ORC 8412N	17.2		22.8	17.2	18.4	18.2	15.0	20.0

2015 SCN PRELIMINARY TEST II

Protein (%)

		Ames IA	Moorhead IA	Pontiac IL	Fairfax MN	Lamberton MN	Waseca MN	Columbus NE	Platts-mouth NE
	SCN HG Type	2.5.7	2.5.7	Inf	1.2.5.7	Inf	Inf	2.5.7	Inf
	Strain								
1	IA2102	33.4		34.2	34.9	34.2	33.6		34.8
2	IA1022 (SCN)	31.1		34.3	33.6	31.2	32.2		33.3
3	IA3024	32.7		32.4	36.8	34.8	31.9		35.0
4	LD02- 4485	32.0		29.4	32.7	32.3	33.5		32.6
5	AR13-231003	35.5		35.6	34.0	34.5	32.2		34.6
6	AR13-231004	33.5		32.9	33.1	33.9	32.9		32.6
7	AR14-247026	36.8		34.6	35.9	35.9	33.5		35.3
8	AR14-247037	35.3		34.4	35.7	34.6	33.4		34.8
9	AR14-247080	36.5		32.5	34.8	35.4	35.0		33.4
10	E13021T	36.3		34.1	35.2	35.0	34.3		33.9
11	E13036T	35.5		35.1	36.4	35.2	34.2		34.0
12	E13100	32.2		35.3	34.3	33.3	32.4		35.4
13	E13139	34.3		34.3	37.1	35.6	33.9		35.3
14	E13212	33.8		35.2	38.4	36.4	34.7		35.8
15	E13268	31.0		32.6	34.9	32.0	30.9		33.5
16	E13364	35.1		34.3	36.0	34.0	34.5		34.2
17	E13367	32.3		33.7	35.6	33.7	30.8		34.5
18	E13369	33.9		34.5	36.1	34.5	33.1		35.3
19	E13370	34.8		33.1	39.1	32.8	33.4		34.6
20	LD12-65	35.1		33.3	36.0	35.3	34.5		35.5
21	LD12-459	31.6		33.2	35.2	34.3	33.4		34.5
22	LD12-5750a	34.5		33.9	36.8	35.2	34.0		35.6
23	LD12-5816a	32.8		35.4	39.2	36.0	34.7		37.5
24	LD12-6010a	35.7		34.0	36.8	34.5	34.1		35.9
25	LD12-12701a	34.0		32.8	33.5	35.4	32.8		34.2
26	M09-269012	31.4		31.6	34.7	35.6	33.2		33.5
27	M09-278112	32.2		32.4	33.6	35.1	32.0		32.9
28	M09-278134	33.5		33.9	34.8	33.1	32.8		35.0
29	M09-281011	30.9		31.0	32.1	33.6	31.5		33.5
30	M09-281100	30.7		32.1	34.6	34.2	32.8		33.3
31	M09-285056	32.4		31.7	31.3	34.6	33.7		32.4
32	MSC09-776046	32.5		34.1	33.7	33.9	29.1		33.3
33	MSC09-777143	32.8		31.5	33.8	32.4	31.8		33.1
34	MSC09-778005	32.3		30.5	33.1	35.0	33.4		33.6
35	MSC09-778027	31.7		31.0	32.2	32.0	31.2		35.3
36	ORC 8412N	32.7		35.1	32.7	33.3	32.3		34.6

2015 SCN PRELIMINARY TEST II

Oil (%)

	Strain	Ames IA	Moorhead IA	Pontiac IL	Fairfax MN	Lamberton MN	Waseca MN	Columbus NE	Platts-mouth NE
	SCN HG Type	2.5.7	2.5.7	Inf	1.2.5.7	Inf	Inf	2.5.7	Inf
1	IA2102	19.3		19.9	18.6	18.9	17.9		18.9
2	IA1022 (SCN)	21.5		20.9	20.3	20.6	19.9		20.5
3	IA3024	19.7		20.6	17.5	19.2	17.9		18.3
4	LD02- 4485	18.6		20.4	18.6	18.7	18.1		19.4
5	AR13-231003	18.7		19.2	19.4	18.4	18.7		19.4
6	AR13-231004	19.2		20.5	18.9	19.1	18.9		19.5
7	AR14-247026	18.7		20.6	19.2	18.0	18.6		19.5
8	AR14-247037	18.7		20.0	18.4	18.2	18.0		19.4
9	AR14-247080	17.0		19.8	17.8	17.7	17.5		19.4
10	E13021T	18.5		20.1	18.1	18.6	18.0		19.4
11	E13036T	18.3		19.5	17.5	19.1	19.0		19.5
12	E13100	20.7		19.8	18.9	18.8	19.8		19.6
13	E13139	19.3		20.5	18.2	19.2	17.7		19.1
14	E13212	19.7		20.7	19.4	18.9	18.9		19.5
15	E13268	19.4		21.0	19.5	19.8	19.0		19.9
16	E13364	18.8		19.9	17.9	19.2	18.2		19.5
17	E13367	18.8		20.0	18.2	18.7	17.8		19.4
18	E13369	18.0		19.6	17.6	18.2	17.8		18.1
19	E13370	18.4		20.0	17.3	18.5	17.8		18.5
20	LD12-65	18.6		20.5	17.6	18.0	18.3		19.6
21	LD12-459	18.3		19.4	18.7	18.3	17.4		19.0
22	LD12-5750a	18.8		20.8	18.7	18.3	18.8		19.0
23	LD12-5816a	20.2		19.7	18.6	18.0	17.9		18.8
24	LD12-6010a	18.0		19.3	19.1	18.5	18.6		19.0
25	LD12-12701a	19.7		20.8	19.0	18.8	19.7		19.9
26	M09-269012	21.0		21.9	19.1	19.3	19.5		20.5
27	M09-278112	20.0		21.0	20.3	19.7	19.3		20.3
28	M09-278134	18.5		19.7	19.4	18.1	18.2		18.7
29	M09-281011	20.7		20.4	19.4	19.4	19.2		19.5
30	M09-281100	20.4		20.2	18.8	19.3	19.3		19.9
31	M09-285056	20.1		20.4	19.7	19.4	19.4		19.9
32	MSC09-776046	19.9		20.0	19.4	18.5	18.7		20.7
33	MSC09-777143	19.8		21.3	20.1	18.9	19.6		20.3
34	MSC09-778005	19.1		20.9	19.0	18.2	17.9		19.5
35	MSC09-778027	20.5		21.3	19.7	19.6	19.5		19.9
36	ORC 8412N	20.5		20.3	19.8	19.6	19.4		20.0

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2015 SCN UNIFORM TEST III

	Strain	Descriptive code	Parentage	Previous testing
1	IA3023	WLtbl	Dairyland DSR-365 x Pioneer P9381	13
2	IA3024	PGibl	A97-553017 x Pioneer YB33A99	8
3	IA3048	WGy	Dairyland 99540 x IA2068	5
4	LD07-3395bf	WGbf	LD07-3395 RESELECTION	New
5	AR12-327073	WGbf	IAR2001BSR x Ina	1
6	AR13-331018	WGbf	Ina x AR3	14 SCN P III
7	AR13-331029	WLtbl	AR03-161009 x AR06-365076	14 SCN P III
8	LD09-30224	PGibl	LD05-3230 x LDX07-178a-1-7	2
9	LD10-9168	PTbl	LD06-7648 x LD02-4485	1
10	LD10-9200	PTbl	LD06-7648 x LD02-4485	1
11	LD11-2170	PLtbr	Syngenta 03JR313108 x LD05-3171	14 SCN P III
12	LD11-2195	WLtbr	Syngenta 03JR313108 x LD05-3171	14 SCN P III
13	LD11-2253	WLtbr	Syngenta 03JR313108 x LD05-3171	14 SCN P III
14	LD11-7226	WLtbr	Syngenta 03JR313108 x LD02-4485	14 SCN P III
15	LD11-7311	P+WGbf	Syngenta 03JR313108 x LD02-4485	14 SCN U IV
16	LD11-10649	PTbl	Dairyland 99753-81 x LD00-3309	14 SCN U IV

	Strain	Gen comp	SCN res source	Traits
1	IA3023	F5	None	
2	IA3024	F5	None	1% linolenic
3	IA3048	F4	PI 88788	
4	LD07-3395bf	F5	PI 88788,437654	
5	AR12-327073	F4	PI 88788,437654	BSR
6	AR13-331018	F4	PI 88788,437654	IDC
7	AR13-331029	F5	PI 507354,88788	
8	LD09-30224	F5	PI 88788	Rag1
9	LD10-9168	F5	PI 88788	
10	LD10-9200	F5	PI 88788	
11	LD11-2170	F5	PI 88788	
12	LD11-2195	F5	PI 88788	
13	LD11-2253	F5	PI 88788	
14	LD11-7226	F5	PI 88788	
15	LD11-7311	F5	PI 88788	
16	LD11-10649	F5	PI 88788	

2015 SCN UNIFORM TEST III

		IL SCN screen				ISU IDC	ISU SDS	SIU SDS	SIU SDS
		HG Type 0		HG Type 2.5.7		Ames	Glenwood	Fairbury	Valmeyer
	Strain	FI	rating	FI	rating	score	DX	DX	DX
1	IA3023	66	NR	73	NR	2.1	13	6	15
2	IA3024	89	NR	71	NR	1.9	42	1	31
3	IA3048	2	HR	19	R	2.0	11	2	18
4	LD07-3395bf	1	HR	1	HR	2.1	4	0	0
5	AR12-327073	14	R	2	HR	1.9	7	0	2
6	AR13-331018	1	HR	1	HR	1.4	2	1	4
7	AR13-331029	4	HR	20	R	1.8	8	2	11
8	LD09-30224	1	HR	11	R	1.9	6	0	1
9	LD10-9168	3	HR	10	R	1.0	8	1	6
10	LD10-9200	2	HR	20	R	2.0	10	12	18
11	LD11-2170	14	R	22	R	2.1	8	14	6
12	LD11-2195	7	HR	26	MR	2.5	18	1	9
13	LD11-2253	11	R	29	MR	2.0	20	3	4
14	LD11-7226	16	R	24	R	1.9	2	0	2
15	LD11-7311	6	HR	17	R	1.4	2	0	0
16	LD11-10649	25	R	21	R	2.2	0	0	0
					A11 (res)	1.4	Res	0	0
					IA3049 (sus)	2.5	Sus	30	44
							LSD	13	17

2015 SCN UNIFORM TEST III

Summary

		Yield									Seed			
		All		Infested		Non-infested		Maturity	Lodging	Height	quality	weight	protein	oil
	Strain	bu/a	rank	bu/a	rank	bu/a	rank	date	score	inches	score	g/100	@13%	@13%
	Locations	**13**		10		3		10	12	12	12	12	8	8
1	IA3023	**53.4**	**13**	53.1	14	54.2	9	9/21	1.5	30	1.7	15.3	33.2	19.6
2	IA3024	**49.1**	**16**	49.0	16	49.1	16	-2	1.5	31	2.2	15.7	34.2	19.5
3	IA3048	**59.5**	**8**	61.1	6	54.0	10	0	1.9	32	1.9	15.3	34.9	19.1
4	LD07-3395bf	**61.9**	**2**	63.0	2	58.4	3	4	1.5	30	1.9	15.5	32.4	20.2
5	AR12-327073	**53.1**	**14**	53.4	13	52.1	14	2	2.4	39	2.2	13.5	34.0	19.5
6	AR13-331018	**51.1**	**15**	51.1	15	51.0	15	5	3.0	43	2.0	12.7	34.4	19.1
7	AR13-331029	**56.0**	**12**	56.6	12	53.9	12	0	1.9	35	2.1	14.4	34.8	18.7
8	LD09-30224	**61.3**	**4**	62.8	3	56.1	7	0	1.7	31	2.0	16.1	34.3	19.6
9	LD10-9168	**60.6**	**5**	62.3	5	54.5	8	0	1.9	33	2.0	14.3	33.6	19.2
10	LD10-9200	**59.0**	**10**	60.5	8	54.0	10	-1	1.5	32	1.9	13.9	34.2	19.4
11	LD11-2170	**62.1**	**1**	63.8	1	56.5	6	0	1.4	31	1.9	15.4	34.5	20.4
12	LD11-2195	**59.6**	**7**	59.8	10	58.7	2	1	1.7	34	1.7	15.2	35.6	19.3
13	LD11-2253	**59.9**	**6**	60.0	9	59.4	1	2	1.8	35	1.8	13.7	35.2	19.4
14	LD11-7226	**59.3**	**9**	60.9	7	53.7	13	0	2.0	32	2.2	15.1	32.9	20.2
15	LD11-7311	**61.5**	**3**	62.8	3	57.3	4	5	1.7	37	2.0	16.3	34.6	18.6
16	LD11-10649	**58.2**	**11**	58.4	11	57.2	5	3	2.2	38	1.9	15.1	34.8	19.5
	Mean	**57.8**		58.7		55		22.6	1.8	34.0	2.0	14.8	34.2	19.5
	LSD(.05)	**2.0**		2.3		4.2		0.8	0.2	1.0				
	C.V. %	**7.8**		7.9		8.0		6.6	20.2	6.2				
	Replications	**33**		24		9		26	31	31				

2 Year Summary

		Yield									Seed			
		All		Infested		Non-infested		Maturity	Lodging	Height	quality	weight	protein	oil
	Strain	bu/a	rank	bu/a	rank	bu/a	rank	date	score	inches	score	g/100	@13%	@13%
	Locations	25		19		6		21	24	24	22	22	18	18
1	IA3023	**54.4**	**6**	52.8	6	59.6	4	9/23	1.5	30	1.9	16.3	33.3	18.8
2	IA3024	**49.9**	**7**	48.2	7	55.3	7	-2	1.5	30	2.2	16.4	34.1	19.1
3	IA3048	**61.1**	**3**	61.2	3	60.5	3	0	1.8	31	2.1	16.2	35.1	18.5
5	AR12-327073	**54.5**	**5**	53.9	5	56.4	5	2	2.3	38	2.3	14.1	34.0	18.8
8	LD09-30224	**61.5**	**2**	63.2	1	56.1	6	0	1.7	31	2.0	16.1	34.3	19.6
9	LD10-9168	**61.9**	**1**	62.2	2	60.9	2	0	1.8	33	2.2	15.3	34.0	18.6
10	LD10-9200	**59.8**	**4**	59.4	4	61.3	1	-1	1.4	31	2.0	14.4	34.3	18.7

2015 SCN UNIFORM TEST III

Yield (bu/a)

		Glenwood IA	Muscatine IA	Arthur IL	Urbana IL	West Lafayette IN	Manhattan KS	Clarkton MO
	SCN HG Type	2.5.7	2.5.7	Inf	2.5.7	2.5.7	Inf	Inf
	Strain							
1	IA3023	51.5	45.1	76.7	61.4	56.7	35.8	17.8
2	IA3024	35.3	44.5	71.7	61.6	57.0	37.2	19.4
3	IA3048	58.7	71.7	84.7	66.9	62.8	46.8	24.2
4	LD07-3395bf	63.8	80.9	87.5	66.9	64.5	39.3	31.9
5	AR12-327073	52.1	65.5	59.4	60.0	55.8	40.1	28.6
6	AR13-331018	54.5	65.7	56.4	57.6	57.7	33.8	22.5
7	AR13-331029	55.0	61.9	77.7	65.2	56.7	39.9	23.6
8	LD09-30224	60.2	78.6	74.7	66.5	60.0	46.4	34.0
9	LD10-9168	57.3	72.8	82.5	77.7	63.9	42.7	21.7
10	LD10-9200	56.0	67.1	74.9	68.6	63.1	48.3	23.8
11	LD11-2170	58.7	72.2	84.6	68.8	68.1	52.1	34.7
12	LD11-2195	46.6	65.4	78.8	70.4	60.6	45.8	35.4
13	LD11-2253	49.1	62.4	82.3	73.2	61.3	40.1	27.7
14	LD11-7226	62.5	66.0	84.6	68.8	59.7	48.1	22.1
15	LD11-7311	63.0	70.5	80.2	72.2	69.3	47.9	24.8
16	LD11-10649	60.3	66.8	79.6	74.9	61.8	35.1	23.1
	Average	55.3	66.1	77.3	67.5	61.2	42.5	26.0
	LSD(.05)	6.3	6.3	16.1	4.4	4.5	5.8	9.5
	C.V. %	5.4	4.4	9.8	3.1	4.4	8.1	22.0
	Replications	2	2	2	2	3	3	3
	Row width (in.)	30	30	30	30	30	30	30

2015 SCN UNIFORM TEST III

Yield (bu/a)

	SCN HG Type	Hoytville OH Inf	Columbus NE 2.5.7	Plattsmouth NE Inf	Ottawa KS NI	Portageville MO NI	Plain City OH NI
	Strain						
1	IA3023	62.4	47.1	77.1	46.8	51.7	63.8
2	IA3024	59.8	48.3	54.6	39.5	48.3	59.2
3	IA3048	67.0	60.7	71.3	43.6	50.6	67.7
4	LD07-3395bf	62.3	59.5	74.3	49.9	49.7	75.3
5	AR12-327073	61.5	50.6	53.3	43.7	52.8	59.6
6	AR13-331018	57.7	47.4	54.9	42.4	48.6	61.7
7	AR13-331029	62.3	61.1	72.9	44.3	50.0	67.4
8	LD09-30224	64.6	67.3	79.6	46.1	50.5	71.6
9	LD10-9168	68.3	64.6	81.9	42.7	50.7	69.9
10	LD10-9200	69.8	59.4	76.4	42.1	48.1	71.7
11	LD11-2170	65.0	60.9	75.2	46.2	54.3	68.8
12	LD11-2195	67.7	58.3	73.0	47.9	55.8	72.4
13	LD11-2253	69.1	57.6	78.7	47.7	59.3	71.1
14	LD11-7226	56.3	63.2	80.2	43.5	50.9	66.5
15	LD11-7311	63.2	56.5	76.7	45.7	54.5	71.6
16	LD11-10649	66.7	52.8	67.4	46.4	57.7	67.2
	Average	64.0	57.2	71.7	44.9	52.1	67.8
	LSD(.05)	6.7	10.7	7.9	5.4	7.0	7.9
	C.V. %	6.2	8.8	5.2	7.2	8.1	7.0
	Replications	3	2	2	3	3	3
	Row width (in.)	30	30	30	30	30	15

2015 SCN UNIFORM TEST III

Yield (rank)

		Glenwood IA	Muscatine IA	Arthur IL	Urbana IL	West Lafayette IN	Manhattan KS	Clarkton MO
	SCN HG Type	2.5.7	2.5.7	Inf	2.5.7	2.5.7	Inf	Inf
	Strain							
1	IA3023	13	15	11	14	14	14	16
2	IA3024	16	16	14	13	13	13	15
3	IA3048	6	5	2	9	6	5	8
4	LD07-3395bf	1	1	1	9	3	12	4
5	AR12-327073	12	11	15	15	16	9	5
6	AR13-331018	11	10	16	16	12	16	12
7	AR13-331029	10	14	10	12	15	11	10
8	LD09-30224	5	2	13	11	10	6	3
9	LD10-9168	8	3	5	1	4	8	14
10	LD10-9200	9	7	12	8	5	2	9
11	LD11-2170	6	4	3	6	2	1	2
12	LD11-2195	15	12	9	5	9	7	1
13	LD11-2253	14	13	6	3	8	9	6
14	LD11-7226	3	9	3	6	11	3	13
15	LD11-7311	2	6	7	4	1	4	7
16	LD11-10649	4	8	8	2	7	15	11

2015 SCN UNIFORM TEST III

Yield (rank)

		Hoytville OH	Columbus NE	Plattsmouth NE	Ottawa KS	Portageville MO	Plain City OH
	SCN HG Type	Inf	2.5.7	Inf	NI	NI	NI
	Strain						
1	IA3023	10	16	5	4	7	13
2	IA3024	13	14	15	16	15	16
3	IA3048	5	6	12	11	10	9
4	LD07-3395bf	11	7	9	1	13	1
5	AR12-327073	12	13	16	10	6	15
6	AR13-331018	14	15	14	14	14	14
7	AR13-331029	11	4	11	9	12	10
8	LD09-30224	8	1	3	7	11	4
9	LD10-9168	3	2	1	13	9	7
10	LD10-9200	1	8	7	15	16	3
11	LD11-2170	7	5	8	6	5	8
12	LD11-2195	4	9	10	2	3	2
13	LD11-2253	2	10	4	3	1	6
14	LD11-7226	15	3	2	12	8	12
15	LD11-7311	9	11	6	8	4	4
16	LD11-10649	6	12	13	5	2	11

2015 SCN UNIFORM TEST III

Maturity

		Glenwood	Muscatine	Arthur	Urbana	West Lafayette	Manhattan	Clarkton
		IA	IA	IL	IL	IN	KS	MO
	SCN HG Type	2.5.7	2.5.7	Inf	2.5.7	2.5.7	Inf	Inf
	Strain							
1	IA3023		9/22	9/9	9/12	9/24	9/15	
2	IA3024		-11	-3	0	1	0	
3	IA3048		-2	1	4	2	0	
4	LD07-3395bf		-3	6	7	8	2	
5	AR12-327073		-2	5	6	4	1	
6	AR13-331018		3	8	9	8	2	
7	AR13-331029		-3	1	1	1	1	
8	LD09-30224		-1	-2	2	1	0	
9	LD10-9168		-1	-1	2	1	0	
10	LD10-9200		-4	-1	0	2	1	
11	LD11-2170		-2	1	3	1	1	
12	LD11-2195		-2	2	4	4	1	
13	LD11-2253		2	4	5	4	2	
14	LD11-7226		-3	-1	2	3	1	
15	LD11-7311		2	7	8	7	1	
16	LD11-10649		3	7	6	2	1	
	Planted	5/28	5/12	5/05	5/08	5/27	6/02	5/21

2015 SCN UNIFORM TEST III

Maturity

	SCN HG Type	Hoytville OH Inf	Columbus NE 2.5.7	Plattsmouth NE Inf	Ottawa KS NI	Portageville MO NI	Plain City OH NI
	Strain						
1	IA3023	9/27		10/2	9/30	9/21	9/22
2	IA3024	0		-3	-1	-1	-1
3	IA3048	0		-2	2	-1	-1
4	LD07-3395bf	11		3	4	2	4
5	AR12-327073	3		2	1	0	1
6	AR13-331018	10		4	2	2	3
7	AR13-331029	1		-2	0	-2	0
8	LD09-30224	3		-2	0	-2	-2
9	LD10-9168	2		-1	-1	-3	1
10	LD10-9200	2		-2	-1	-2	-1
11	LD11-2170	1		-1	-1	-1	-1
12	LD11-2195	3		-1	0	-2	1
13	LD11-2253	5		2	0	2	1
14	LD11-7226	2		-2	-1	-3	-2
15	LD11-7311	11		4	2	1	6
16	LD11-10649	5		3	0	1	2
	Planted	5/22	5/22	6/08	6/18	6/04	5/08

2015 SCN UNIFORM TEST III

Lodging (score)

		Glenwood	Muscatine	Arthur	Urbana	West Lafayette	Manhattan	Clarkton
		IA	IA	IL	IL	IN	KS	MO
	SCN HG Type	2.5.7	2.5.7	Inf	2.5.7	2.5.7	Inf	Inf
	Strain							
1	IA3023	2.8	2.0	2.0	1.0	1.0	1.3	1.0
2	IA3024	2.8	1.8	1.8	1.0	1.0	1.7	1.7
3	IA3048	3.3	2.0	3.3	1.0	1.0	3.3	1.0
4	LD07-3395bf	2.0	2.0	1.8	1.0	1.0	1.0	1.0
5	AR12-327073	3.8	2.3	4.0	1.0	1.0	3.5	2.0
6	AR13-331018	4.0	3.3	5.0	2.0	1.2	4.7	2.0
7	AR13-331029	3.8	2.0	1.5	1.0	1.0	2.7	1.3
8	LD09-30224	3.8	2.0	1.3	1.0	1.0	1.7	1.7
9	LD10-9168	3.0	2.0	2.8	1.5	1.0	2.7	1.0
10	LD10-9200	2.5	1.8	1.5	1.0	1.0	1.7	1.0
11	LD11-2170	2.3	2.0	1.3	1.0	1.0	1.3	1.0
12	LD11-2195	2.5	2.0	1.8	1.0	1.0	1.7	1.0
13	LD11-2253	3.5	2.0	2.0	1.5	1.0	1.7	1.0
14	LD11-7226	3.3	2.0	3.0	1.3	1.0	3.7	1.0
15	LD11-7311	3.5	2.0	2.0	1.0	1.0	1.3	1.0
16	LD11-10649	4.0	2.0	3.0	1.5	1.0	3.3	1.3

2015 SCN UNIFORM TEST III

Lodging (score)

	SCN HG Type	Hoytville OH Inf	Columbus NE 2.5.7	Plattsmouth NE Inf	Ottawa KS NI	Portageville MO NI	Plain City OH NI
	Strain						
1	IA3023	1.0		2.3	1.0	2.0	1.0
2	IA3024	1.0		1.8	1.0	2.0	1.2
3	IA3048	1.0		2.3	1.0	2.0	1.1
4	LD07-3395bf	1.0		3.0	1.0	2.0	1.2
5	AR12-327073	1.0		4.0	1.0	2.3	2.8
6	AR13-331018	1.3		4.0	1.0	3.0	3.8
7	AR13-331029	1.0		2.5	1.0	2.7	1.6
8	LD09-30224	1.0		2.3	1.0	2.0	1.4
9	LD10-9168	1.0		2.3	1.0	2.0	2.4
10	LD10-9200	1.0		2.5	1.0	2.0	0.9
11	LD11-2170	1.0		1.8	1.0	2.0	1.1
12	LD11-2195	1.0		2.5	1.0	2.7	1.4
13	LD11-2253	1.0		2.3	1.0	2.3	1.6
14	LD11-7226	1.0		2.3	1.0	2.3	1.5
15	LD11-7311	1.0		2.8	1.0	2.0	1.7
16	LD11-10649	1.0		3.5	1.0	2.7	2.7

2015 SCN UNIFORM TEST III

Height (inches)

		Glenwood IA	Muscatine IA	Arthur IL	Urbana IL	West Lafayette IN	Manhattan KS	Clarkton MO
	SCN HG Type	2.5.7	2.5.7	Inf	2.5.7	2.5.7	Inf	Inf
	Strain							
1	IA3023	44	30	37	31	18	36	23
2	IA3024	42	28	37	33	25	39	24
3	IA3048	43	34	37	31	21	39	25
4	LD07-3395bf	41	34	39	30	20	34	27
5	AR12-327073	53	41	51	37	27	47	33
6	AR13-331018	59	54	63	43	34	51	33
7	AR13-331029	47	36	43	36	25	42	29
8	LD09-30224	42	32	36	30	21	35	25
9	LD10-9168	47	37	39	37	20	40	25
10	LD10-9200	41	34	37	34	22	38	24
11	LD11-2170	41	33	38	33	25	37	27
12	LD11-2195	45	36	41	33	23	42	28
13	LD11-2253	45	36	43	36	26	41	32
14	LD11-7226	45	32	43	34	22	39	23
15	LD11-7311	49	39	46	37	31	44	30
16	LD11-10649	54	42	47	39	27	44	30

2015 SCN UNIFORM TEST III

Height (inches)

		Hoytville OH	Columbus NE	Plattsmouth NE	Ottawa KS	Portageville MO	Plain City OH
	SCN HG Type	Inf	2.5.7	Inf	NI	NI	NI
	Strain						
1	IA3023	25		44	26	24	26
2	IA3024	27		42	27	26	26
3	IA3048	25		41	29	28	30
4	LD07-3395bf	25		39	25	24	31
5	AR12-327073	30		36	38	32	41
6	AR13-331018	33		36	39	34	42
7	AR13-331029	29		45	29	31	32
8	LD09-30224	24		41	28	25	31
9	LD10-9168	29		44	27	27	34
10	LD10-9200	28		40	26	27	31
11	LD11-2170	25		39	26	27	28
12	LD11-2195	28		43	25	29	33
13	LD11-2253	28		42	29	32	34
14	LD11-7226	26		39	27	26	32
15	LD11-7311	31		46	29	30	36
16	LD11-10649	33		48	31	31	38

2015 SCN UNIFORM TEST III

Seed Quality (score)

		Glenwood IA	Muscatine IA	Arthur IL	Urbana IL	West Lafayette IN	Manhattan KS	Clarkton MO
	SCN HG Type	2.5.7	2.5.7	Inf	2.5.7	2.5.7	Inf	Inf
	Strain							
1	IA3023		2.0	1.0	1.0	1.0	2.0	3.3
2	IA3024		3.0	2.0	2.0	1.0	3.0	2.3
3	IA3048		2.0	1.0	2.0	1.0	3.0	2.3
4	LD07-3395bf		2.0	2.0	2.0	1.0	2.0	3.3
5	AR12-327073		2.0	3.0	2.0	1.0	3.0	3.0
6	AR13-331018		2.0	2.0	1.0	1.5	3.0	3.0
7	AR13-331029		2.0	2.0	1.0	1.0	3.0	4.0
8	LD09-30224		1.0	2.0	2.0	1.0	3.0	4.0
9	LD10-9168		1.0	1.0	2.0	1.0	3.0	3.7
10	LD10-9200		1.0	2.0	1.0	1.0	3.0	3.3
11	LD11-2170		2.0	1.0	2.0	1.0	2.0	3.3
12	LD11-2195		2.0	1.0	1.0	1.5	2.0	3.0
13	LD11-2253		2.0	1.0	1.0	1.0	2.0	2.7
14	LD11-7226		2.0	2.0	1.0	1.0	3.0	4.0
15	LD11-7311		2.0	1.0	2.0	1.5	3.0	3.0
16	LD11-10649		1.0	1.0	2.0	1.0	3.0	3.3

2015 SCN UNIFORM TEST III

Seed Quality (score)

	SCN HG Type	Hoytville OH Inf	Columbus NE 2.5.7	Plattsmouth NE Inf	Ottawa KS NI	Portageville MO NI	Plain City OH NI
	Strain						
1	IA3023	1.0	1.0	2.0	2.0	3.0	1.7
2	IA3024	1.0	2.0	2.0	3.0	3.0	1.7
3	IA3048	1.0	2.0	2.0	2.0	2.7	1.3
4	LD07-3395bf	1.0	1.0	2.0	2.0	3.0	2.0
5	AR12-327073	1.0	2.0	3.0	2.0	2.7	2.0
6	AR13-331018	1.0	2.0	1.0	2.0	3.0	2.0
7	AR13-331029	1.0	2.0	2.0	3.0	2.7	2.0
8	LD09-30224	1.0	2.0	2.0	2.0	3.0	1.3
9	LD10-9168	1.0	1.0	2.0	3.0	2.7	2.0
10	LD10-9200	1.0	2.0	1.0	3.0	3.0	1.3
11	LD11-2170	1.0	1.0	2.0	3.0	3.0	2.0
12	LD11-2195	1.0	1.0	2.0	2.0	2.7	1.0
13	LD11-2253	1.0	2.0	2.0	3.0	2.7	1.7
14	LD11-7226	1.0	2.0	2.0	4.0	2.7	2.0
15	LD11-7311	1.0	2.0	2.0	3.0	2.3	1.7
16	LD11-10649	1.0	2.0	2.0	2.0	3.0	1.7

2015 SCN UNIFORM TEST III

Seed Weight (g/100)

		Glenwood IA	Muscatine IA	Arthur IL	Urbana IL	West Lafayette IN	Manhattan KS	Clarkton MO
	SCN HG Type	2.5.7	2.5.7	Inf	2.5.7	2.5.7	Inf	Inf
	Strain							
1	IA3023		12.8	17.9	16.6	14.7	11.3	11.1
2	IA3024		14.7	17.0	16.2	15.2	12.0	9.0
3	IA3048		19.4	15.9	15.4	14.0	10.7	12.8
4	LD07-3395bf		15.8	16.1	15.5	15.2	10.0	12.6
5	AR12-327073		13.6	14.7	12.7	12.4	10.0	11.4
6	AR13-331018		13.0	12.6	12.5	12.8	9.6	10.4
7	AR13-331029		13.6	15.6	14.2	14.3	11.4	11.7
8	LD09-30224		17.6	16.2	15.9	15.3	12.3	14.2
9	LD10-9168		14.3	15.7	14.6	13.2	10.8	11.1
10	LD10-9200		13.3	15.3	14.1	13.3	10.5	11.6
11	LD11-2170		14.9	17.2	15.6	15.3	11.4	12.6
12	LD11-2195		14.2	16.4	15.2	14.5	11.6	12.8
13	LD11-2253		13.1	15.1	13.8	12.8	10.4	10.7
14	LD11-7226		14.2	17.0	14.6	14.6	10.5	13.1
15	LD11-7311		16.6	17.8	16.7	16.1	11.6	13.1
16	LD11-10649		14.9	15.4	16.1	14.7	11.3	12.2

2015 SCN UNIFORM TEST III

Seed Weight (g/100)

	SCN HG Type	Hoytville OH Inf	Columbus NE 2.5.7	Plattsmouth NE Inf	Ottawa KS NI	Portageville MO NI	Plain City OH NI
	Strain						
1	IA3023	14.6	13.0	17.0	18.9	16.9	18.8
2	IA3024	15.0	14.0	19.0	19.4	17.1	19.9
3	IA3048	13.6	14.0	16.0	18.2	15.8	17.3
4	LD07-3395bf	14.2	14.0	19.0	18.7	15.8	19.2
5	AR12-327073	12.4	13.0	14.0	16.2	15.1	16.3
6	AR13-331018	12.1	11.0	15.0	15.0	13.1	15.6
7	AR13-331029	13.5	13.0	18.0	16.5	13.0	18.1
8	LD09-30224	15.0	14.0	18.0	18.3	16.9	19.7
9	LD10-9168	13.1	13.0	16.0	17.5	14.6	18.0
10	LD10-9200	13.3	12.0	15.0	16.6	14.6	17.3
11	LD11-2170	14.9	14.0	17.0	16.8	15.9	18.6
12	LD11-2195	14.9	13.0	17.0	19.1	15.8	18.0
13	LD11-2253	13.0	13.0	16.0	16.1	14.1	16.0
14	LD11-7226	14.0	14.0	18.0	18.5	15.1	17.3
15	LD11-7311	15.9	14.0	18.0	20.2	16.6	19.2
16	LD11-10649	14.3	14.0	17.0	17.7	15.1	18.4

2015 SCN UNIFORM TEST III

Protein (%)

		Glenwood IA	Muscatine IA	Arthur IL	Urbana IL	West Lafayette IN	Manhattan KS	Clarkton MO
	SCN HG Type	2.5.7	2.5.7	Inf	2.5.7	2.5.7	Inf	Inf
	Strain							
1	IA3023		31.8	32.8	33.1	31.5	34.2	
2	IA3024		33.8	32.8	34.4	32.9	35.3	
3	IA3048		34.2	34.2	34.7	33.7	35.7	
4	LD07-3395bf		33.3	31.1	32.8	32.4	35.0	
5	AR12-327073		35.0	33.3	31.7	32.2	37.5	
6	AR13-331018		34.5	33.1	34.1	33.8	37.5	
7	AR13-331029		35.6	34.1	33.1	33.8	35.8	
8	LD09-30224		35.4	32.2	32.5	33.1	35.5	
9	LD10-9168		32.5	33.9	31.7	33.1	34.7	
10	LD10-9200		33.9	33.9	33.8	33.6	35.3	
11	LD11-2170		34.6	34.5	33.1	32.6	36.2	
12	LD11-2195		34.9	33.8	35.5	35.3	37.1	
13	LD11-2253		35.1	33.3	34.1	34.0	37.1	
14	LD11-7226		34.7	33.4	31.3	31.0	34.1	
15	LD11-7311		35.7	33.3	34.0	34.1	35.8	
16	LD11-10649		35.9	33.6	33.4	33.8	36.3	

Oil (%)

		Glenwood IA	Muscatine IA	Arthur IL	Urbana IL	West Lafayette IN	Manhattan KS	Clarkton MO
	SCN HG Type	2.5.7	2.5.7	Inf	2.5.7	2.5.7	Inf	Inf
	Strain							
1	IA3023		20.8	19.6	19.9	20.7	19.2	
2	IA3024		19.7	21.3	19.0	20.4	18.8	
3	IA3048		20.5	19.1	19.3	19.7	18.2	
4	LD07-3395bf		20.0	20.9	20.4	19.9	18.4	
5	AR12-327073		19.8	20.2	20.7	20.0	17.5	
6	AR13-331018		20.2	20.3	19.3	19.0	16.6	
7	AR13-331029		18.7	19.3	19.4	19.1	18.1	
8	LD09-30224		19.7	20.1	20.6	20.3	18.5	
9	LD10-9168		19.8	19.0	20.5	19.4	18.3	
10	LD10-9200		19.9	20.6	19.5	19.2	18.4	
11	LD11-2170		20.5	20.7	21.8	21.6	18.8	
12	LD11-2195		20.2	20.5	19.8	18.9	18.2	
13	LD11-2253		20.5	20.5	20.7	19.6	18.2	
14	LD11-7226		20.1	19.9	21.5	20.6	20.0	
15	LD11-7311		19.1	19.7	19.3	19.1	17.8	
16	LD11-10649		19.8	20.2	20.5	19.7	18.3	

2015 SCN UNIFORM TEST III

Protein (%)

	SCN HG Type	Hoytville OH	Columbus NE	Plattsmouth NE	Ottawa KS	Portageville MO	Plain City OH
	Strain	Inf	2.5.7	Inf	NI	NI	NI
1	IA3023	34.3		33.2			34.7
2	IA3024	34.6		35.4			34.5
3	IA3048	35.4		35.3			35.8
4	LD07-3395bf	31.5		30.4			32.4
5	AR12-327073	34.2		33.2			34.5
6	AR13-331018	33.7		33.0			35.3
7	AR13-331029	36.1		34.3			35.8
8	LD09-30224	35.3		34.8			35.8
9	LD10-9168	34.7		33.4			34.6
10	LD10-9200	34.5		34.0			34.6
11	LD11-2170	35.6		34.6			34.8
12	LD11-2195	35.5		35.2			37.9
13	LD11-2253	36.0		35.8			36.1
14	LD11-7226	33.6		31.9			33.4
15	LD11-7311	35.3		33.5			34.8
16	LD11-10649	35.4		34.8			35.3

Oil (%)

	SCN HG Type	Hoytville OH	Columbus NE	Plattsmouth NE	Ottawa KS	Portageville MO	Plain City OH
	Strain	Inf	2.5.7	Inf	NI	NI	NI
1	IA3023	18.9		19.4			18.4
2	IA3024	19.0		19.0			19.0
3	IA3048	18.5		18.7			18.8
4	LD07-3395bf	20.2		20.8			20.6
5	AR12-327073	19.0		19.7			19.5
6	AR13-331018	19.1		19.4			19.3
7	AR13-331029	17.5		19.2			18.4
8	LD09-30224	18.6		18.8			19.8
9	LD10-9168	18.2		19.4			19.0
10	LD10-9200	19.0		19.0			19.6
11	LD11-2170	19.9		19.5			20.2
12	LD11-2195	18.7		19.2			18.5
13	LD11-2253	18.3		18.8			18.9
14	LD11-7226	19.5		19.9			20.0
15	LD11-7311	17.1		18.0			18.8
16	LD11-10649	18.6		19.3			19.7

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	Strain	Descriptive code	Parentage
1	IA3023	WLtbl	Dairyland DSR-365 x Pioneer P9381
2	IA3024	PGibl	A97-553017 x Pioneer YB33A99
3	IA3048	WGy	Dairyland 99540 x IA2068
4	LD07-3395bf	WGbf	LD07-3395 RESELECTION
5	AR12-327069	PGibl	AR07-276077 x Syngenta 03JR101916
6	AR13-231042	PLtbl	AR03-161009 x Syngenta 03JR321088
7	AR13-331023	P+WT+Gbl/bf/ibl	AR03-161009 x AR06-365076
8	AR14-347003	PLtbl	AR07-176119 x (A95-684043 x PI 404166)
9	AR14-347012	PLtbl	AR07-176119 x (A95-684043 x PI 404166)
10	AR14-347021	P+Wbf	AR07-176090 x (A95-684043 x Ina)
11	AR14-347022	PLtbl	AR07-176090 x (A95-684043 x Ina)
12	AR14-347048	PLtbl	(PI 90763 x AR1) x AR07-176119
13	LD12-1843	WTbl	LD04-11056W x Shillinger 432.TCS
14	LD12-2203	PLtLbl	CL04-13234 x LD00-3309
15	LD12-2625	PLtbl	LD06-7596 x LD04-13265
16	LD12-3596	WTbl	LG04-5372 x Syngenta 05BR006009
17	LD12-3903	PT+Ltbl	LD06-7620 x Syngenta 05BR006009
18	LD12-5953a	PGbf	Syngenta 04BR307588 x LD09-15077
19	LD12-8534	WLtbl	LD04-11056W x LD06-7620
20	LD12-12717a	PGbf	LD08-12446a x LD05-30588a
21	LD12-12730a	PGbf	LD08-12446a x LD05-30588a
22	LD12-12734a	PGbf	LD08-12446a x LD05-30588a

2015 SCN PRELIMINARY TEST III

	Strain	Gen comp	SCN res source	Traits
1	IA3023	F5	None	
2	IA3024	F5	None	1% linolenic
3	IA3048	F4	PI 88788	
4	LD07-3395bf	F5	PI 88788,437654	
5	AR12-327069	F4	PI 88788	
6	AR13-231042	F5	PI 507354,88788	
7	AR13-331023	F5	PI 507354,88788	
8	AR14-347003	F3	PI 404166,90763	
9	AR14-347012	F3	PI 404166,90763	
10	AR14-347021	F3	PI 88788,437654,90763	
11	AR14-347022	F3	PI 88788,437654,90763	
12	AR14-347048	F3	PI 90763,88788	
13	LD12-1843	F5	PI 88788	
14	LD12-2203	F5	PI 88788	
15	LD12-2625	F5	PI 88788	
16	LD12-3596	F5	PI 88788	
17	LD12-3903	F5	PI 88788	
18	LD12-5953a	F5	PI 88788	Rag 2
19	LD12-8534	F5	PI 88788	
20	LD12-12717a	F5	PI 88788	Rag1+2
21	LD12-12730a	F5	PI 88788	Rag1+2
22	LD12-12734a	F5	PI 88788	Rag1+2

2015 SCN PRELIMINARY TEST III

		IL SCN screen				ISU IDC	ISU SDS
		HG Type 0		HG Type 2.5.7		Ames	Glenwood
	Strain	FI	rating	FI	rating	score	DX
1	IA3023	66	NR	73	NR	2.1	15
2	IA3024	89	NR	71	NR	1.9	41
3	IA3048	2	HR	19	R	2.0	5
4	LD07-3395bf	1	HR	1	HR	2.1	4
5	AR12-327069	7	HR	29	MR	2.1	12
6	AR13-231042	14	R	24	R	2.5	8
7	AR13-331023	5	HR	7	HR	2.3	9
8	AR14-347003	6	HR	11	R	2.6	4
9	AR14-347012	7	HR	17	R	2.4	6
10	AR14-347021	2	HR	23	R	1.9	7
11	AR14-347022	5	HR	18	R	1.5	8
12	AR14-347048	24	R	26	MR	2.0	8
13	LD12-1843	11	R	22	R	2.1	4
14	LD12-2203	7	HR	13	R	1.9	6
15	LD12-2625	5	HR	19	R	1.8	6
16	LD12-3596	81	NR	55	LR	1.8	7
17	LD12-3903	3	HR	12	R	1.4	6
18	LD12-5953a	30	MR	21	R	1.6	4
19	LD12-8534	14	R	22	R	2.7	9
20	LD12-12717a	5	HR	10	R	2.0	8
21	LD12-12730a	4	HR	13	R	1.6	8
22	LD12-12734a	4	HR	11	R	1.5	10
					A11 (res)	1.4	
					IA3049 (sus)	2.5	

2015 SCN PRELIMINARY TEST III

Summary

		Yield									Seed			
		All		Infested		Non-infested		Maturity	Lodging	Height	quality	weight	protein	oil
	Strain	bu/a	rank	bu/a	rank	bu/a	rank	date	score	inches	score	g/100	@13%	@13%
	Locations	7		7		0		5	6	6	6	6	5	5
1	IA3023	**57.7**	**16**	57.7	16			9/17	2.0	37	1.8	14.9	33.4	19.7
2	IA3024	**55.3**	**19**	55.3	19			0	1.8	37	2.2	15.9	34.1	19.8
3	IA3048	**65.5**	**5**	65.5	5			2	2.2	39	2.0	14.5	34.1	19.4
4	LD07-3395bf	**68.7**	**1**	68.7	1			5	1.9	36	1.7	15.2	32.7	19.8
5	AR12-327069	**65.0**	**8**	65.0	8			-3	2.2	36	1.7	13.3	35.1	19.3
6	AR13-231042	**64.3**	**10**	64.3	10			-2	2.3	37	1.7	14.3	35.5	19.1
7	AR13-331023	**59.8**	**15**	59.8	15			3	3.3	45	2.2	14.3	34.4	19.5
8	AR14-347003	**42.4**	**22**	42.4	22			-3	2.4	36	2.2	13.4	34.9	19.3
9	AR14-347012	**50.2**	**21**	50.2	21			1	2.7	45	2.2	13.2	36.5	18.3
10	AR14-347021	**55.5**	**18**	55.5	18			-3	2.6	35	1.8	14.8	35.4	19.0
11	AR14-347022	**56.2**	**17**	56.2	17			-4	2.6	39	1.7	15.3	35.5	19.1
12	AR14-347048	**52.0**	**20**	52.0	20			2	2.8	38	2.3	14.0	33.2	20.3
13	LD12-1843	**65.6**	**4**	65.6	4			4	1.8	40	2.0	16.3	36.0	19.4
14	LD12-2203	**65.4**	**7**	65.4	7			1	1.7	37	1.7	14.3	34.5	18.8
15	LD12-2625	**65.5**	**5**	65.5	5			6	2.5	38	1.5	13.8	32.6	20.3
16	LD12-3596	**62.2**	**12**	62.2	12			3	1.9	42	2.0	14.3	33.9	20.1
17	LD12-3903	**68.2**	**2**	68.2	2			3	1.7	36	2.0	15.4	33.7	19.5
18	LD12-5953a	**62.9**	**11**	62.9	11			1	1.8	36	2.0	14.9	34.0	20.0
19	LD12-8534	**66.7**	**3**	66.7	3			4	2.2	42	2.0	14.4	34.0	19.5
20	LD12-12717a	**64.9**	**9**	64.9	9			2	2.0	39	2.0	14.6	32.3	20.0
21	LD12-12730a	**61.5**	**14**	61.5	14			1	1.7	37	2.0	14.7	34.7	19.5
22	LD12-12734a	**62.0**	**13**	62.0	13			1	1.8	38	1.8	14.7	33.3	20.0
	Mean	**60.8**		60.8				18.0	2.2	38.3	1.9	14.6	34.3	19.5
	LSD(.05)	**3.8**		3.8				2.2	0.4	1.7				
	C.V. %	**8.3**		8.3				13.5	21.5	5.6				
	Replications	**14**		14				10	12	12				

2015 SCN PRELIMINARY TEST III

Yield (bu/a)

		Glenwood IA	Muscatine IA	Arthur IL	Urbana IL	Manhattan KS	Columbus NE	Plattsmouth NE
	SCN HG Type	2.5.7	2.5.7	Inf	2.5.7	Inf	2.5.7	Inf
	Strain							
1	IA3023	53.3	46.1	84.4	58.2	48.9	42.9	70.2
2	IA3024	39.5	39.2	78.7	59.0	48.7	50.8	70.9
3	IA3048	58.9	71.0	82.0	67.8	46.4	61.0	71.1
4	LD07-3395bf	61.8	80.4	82.1	70.3	51.5	57.1	78.0
5	AR12-327069	63.5	64.5	77.9	65.8	47.1	55.7	80.5
6	AR13-231042	58.9	68.2	73.3	59.7	50.9	58.6	80.7
7	AR13-331023	54.5	60.7	68.6	68.5	43.9	53.7	68.5
8	AR14-347003	40.2	46.0	56.1	38.9	27.6	35.4	52.0
9	AR14-347012	51.0	59.2	60.7	51.6	36.7	46.9	45.7
10	AR14-347021	56.9	61.6	71.0	53.2	38.3	47.3	60.1
11	AR14-347022	57.7	66.2	70.7	54.5	44.0	43.6	58.0
12	AR14-347048	54.2	62.9	71.1	51.7	37.6	32.8	53.4
13	LD12-1843	60.2	70.2	82.3	73.5	47.5	49.2	76.0
14	LD12-2203	60.4	67.3	84.8	67.3	47.5	52.1	78.6
15	LD12-2625	66.9	67.8	87.0	69.4	41.7	50.3	75.4
16	LD12-3596	54.3	57.4	86.1	68.5	44.5	49.5	75.0
17	LD12-3903	64.9	77.7	85.3	68.6	47.5	55.5	78.1
18	LD12-5953a	60.4	56.8	79.9	57.8	51.8	51.5	83.2
19	LD12-8534	58.7	66.6	83.6	73.1	51.1	54.4	79.6
20	LD12-12717a	58.2	71.2	84.7	68.8	45.1	53.9	72.6
21	LD12-12730a	60.4	68.8	79.0	53.1	47.9	46.8	74.4
22	LD12-12734a	54.4	69.5	79.9	60.1	50.7	49.7	69.7
	Average	55.9	62.1	75.4	60.6	43.9	49.2	67.9
	LSD(.05)	10.5	7.6	9.1	5.7	7.9	9.4	15.1
	C.V. %	8.9	5.7	5.7	4.5	8.4	9.0	10.3
	Replications	2	2	2	2	2	2	2
	Row width (in.)	30	30	30	30	30	30	30

2015 SCN PRELIMINARY TEST III

Yield (rank)

		Glenwood IA	Muscatine IA	Arthur IL	Urbana IL	Manhattan KS	Columbus NE	Plattsmouth NE
	SCN HG Type	2.5.7	2.5.7	Inf	2.5.7	Inf	2.5.7	Inf
	Strain							
1	IA3023	19	20	6	15	6	20	15
2	IA3024	22	22	14	14	7	11	14
3	IA3048	9	4	10	9	13	1	13
4	LD07-3395bf	4	1	9	3	2	3	7
5	AR12-327069	3	13	15	11	12	4	3
6	AR13-231042	9	8	16	13	4	2	2
7	AR13-331023	15	16	20	7	17	8	17
8	AR14-347003	21	21	22	22	22	21	21
9	AR14-347012	20	17	21	21	21	17	22
10	AR14-347021	14	15	18	18	19	16	18
11	AR14-347022	13	12	19	17	16	19	19
12	AR14-347048	18	14	17	20	20	22	20
13	LD12-1843	8	5	8	1	9	15	8
14	LD12-2203	5	10	4	10	9	9	5
15	LD12-2625	1	9	1	4	18	12	9
16	LD12-3596	17	18	2	8	15	14	10
17	LD12-3903	2	2	3	6	9	5	6
18	LD12-5953a	5	19	11	16	1	10	1
19	LD12-8534	11	11	7	2	3	6	4
20	LD12-12717a	12	3	5	5	14	7	12
21	LD12-12730a	5	7	13	19	8	18	11
22	LD12-12734a	16	6	11	12	5	13	16

2015 SCN PRELIMINARY TEST III

Maturity

		Glenwood IA	Muscatine IA	Arthur IL	Urbana IL	Manhattan KS	Columbus NE	Plattsmouth NE
	SCN HG Type	2.5.7	2.5.7	Inf	2.5.7	Inf	2.5.7	Inf
	Strain							
1	IA3023		9/15	9/08	9/13	9/17		10/02
2	IA3024		4	1	0	-3		-5
3	IA3048		7	1	3	1		-2
4	LD07-3395bf		4	7	8	3		3
5	AR12-327069		-5	-3	-3	-2		-3
6	AR13-231042		3	-4	-6	-1		-4
7	AR13-331023		6	4	3	1		1
8	AR14-347003		5	-2	-7	-1		-9
9	AR14-347012		6	2	-1	-1		-3
10	AR14-347021		1	-5	-5	-3		-4
11	AR14-347022		-1	-4	-6	-2		-8
12	AR14-347048		3	4	2	1		-1
13	LD12-1843		7	7	6	1		1
14	LD12-2203		2	3	1	-1		-3
15	LD12-2625		13	10	7	-1		2
16	LD12-3596		9	4	1	-1		-1
17	LD12-3903		6	6	5	1		0
18	LD12-5953a		5	2	1	-3		-1
19	LD12-8534		5	7	5	3		3
20	LD12-12717a		8	2	3	-1		-1
21	LD12-12730a		6	2	2	-2		-2
22	LD12-12734a		6	2	1	-2		-2
	Planted	5/28	5/12	5/05	5/08	6/02	5/22	6/08

2015 SCN PRELIMINARY TEST III

Lodging (score)

		Glenwood IA	Muscatine IA	Arthur IL	Urbana IL	Manhattan KS	Columbus NE	Plattsmouth NE
	SCN HG Type	2.5.7	2.5.7	Inf	2.5.7	Inf	2.5.7	Inf
	Strain							
1	IA3023	2.8	2.0	2.5	1.0	1.5		2.3
2	IA3024	2.8	1.8	2.0	1.0	1.5		2.0
3	IA3048	2.8	2.0	2.3	1.0	2.5		2.5
4	LD07-3395bf	2.3	2.0	1.5	1.0	1.5		3.0
5	AR12-327069	3.0	2.3	1.8	1.0	3.0		2.0
6	AR13-231042	3.3	2.0	1.8	1.0	3.0		3.0
7	AR13-331023	4.0	2.5	3.3	2.0	4.0		3.8
8	AR14-347003	3.3	2.0	2.8	1.0	2.0		3.3
9	AR14-347012	3.3	2.5	3.5	1.0	2.5		3.3
10	AR14-347021	3.5	2.0	2.5	1.0	2.5		4.0
11	AR14-347022	3.5	2.3	2.8	1.0	2.5		3.5
12	AR14-347048	3.5	2.5	3.0	1.0	3.0		3.5
13	LD12-1843	2.5	2.0	2.3	1.0	1.0		2.0
14	LD12-2203	2.3	2.0	1.3	1.0	1.0		2.5
15	LD12-2625	3.3	2.0	3.5	1.0	2.5		2.8
16	LD12-3596	2.5	2.0	2.5	1.0	1.5		2.0
17	LD12-3903	2.5	1.5	1.8	1.0	1.0		2.5
18	LD12-5953a	2.5	2.0	2.0	1.0	1.0		2.0
19	LD12-8534	4.0	1.8	2.3	1.0	1.5		2.5
20	LD12-12717a	3.8	1.8	1.8	1.0	1.5		2.5
21	LD12-12730a	3.0	1.8	1.3	1.0	1.0		2.0
22	LD12-12734a	2.8	1.5	1.3	1.0	1.0		3.0

2015 SCN PRELIMINARY TEST III

Height (inches)

		Glenwood IA	Muscatine IA	Arthur IL	Urbana IL	Manhattan KS	Columbus NE	Plattsmouth NE
	SCN HG Type	2.5.7	2.5.7	Inf	2.5.7	Inf	2.5.7	Inf
	Strain							
1	IA3023	44	29	39	29	37		42
2	IA3024	44	28	40	31	39		42
3	IA3048	43	33	43	33	38		43
4	LD07-3395bf	40	34	40	31	35		36
5	AR12-327069	40	30	38	31	36		40
6	AR13-231042	42	31	42	33	38		36
7	AR13-331023	54	41	45	40	45		48
8	AR14-347003	44	34	38	26	36		40
9	AR14-347012	53	43	47	37	44		46
10	AR14-347021	40	31	39	29	33		38
11	AR14-347022	46	36	42	32	36		39
12	AR14-347048	44	38	41	29	36		42
13	LD12-1843	41	37	43	36	40		43
14	LD12-2203	44	32	42	29	34		43
15	LD12-2625	44	34	40	28	41		42
16	LD12-3596	47	35	46	35	42		45
17	LD12-3903	41	33	41	30	32		38
18	LD12-5953a	36	32	38	29	38		42
19	LD12-8534	46	36	46	35	40		47
20	LD12-12717a	44	37	42	32	37		41
21	LD12-12730a	46	34	41	28	35		42
22	LD12-12734a	43	38	41	32	37		40

2015 SCN PRELIMINARY TEST III

Seed Quality (score)

		Glenwood IA	Muscatine IA	Arthur IL	Urbana IL	Manhattan KS	Columbus NE	Plattsmouth NE
	SCN HG Type	2.5.7	2.5.7	Inf	2.5.7	Inf	2.5.7	Inf
	Strain							
1	IA3023		2.0	2.0	2.0	2.0	1.0	2.0
2	IA3024		3.0	2.0	2.0	2.0	2.0	2.0
3	IA3048		2.0	1.0	2.0	3.0	2.0	2.0
4	LD07-3395bf		2.0	1.0	2.0	2.0	2.0	1.0
5	AR12-327069		2.0	1.0	1.0	3.0	1.0	2.0
6	AR13-231042		2.0	1.0	1.0	2.0	2.0	2.0
7	AR13-331023		2.0	2.0	2.0	3.0	2.0	2.0
8	AR14-347003		3.0	2.0	1.0	3.0	2.0	2.0
9	AR14-347012		2.0	2.0	2.0	3.0	2.0	2.0
10	AR14-347021		2.0	1.0	1.0	3.0	2.0	2.0
11	AR14-347022		2.0	1.0	1.0	3.0	1.0	2.0
12	AR14-347048		2.0	2.0	2.0	3.0	2.0	3.0
13	LD12-1843		1.0	3.0	2.0	2.0	2.0	2.0
14	LD12-2203		2.0	1.0	1.0	2.0	2.0	2.0
15	LD12-2625		1.0	1.0	1.0	3.0	1.0	2.0
16	LD12-3596		2.0	2.0	2.0	2.0	2.0	2.0
17	LD12-3903		2.0	1.0	2.0	3.0	2.0	2.0
18	LD12-5953a		2.0	2.0	2.0	2.0	2.0	2.0
19	LD12-8534		2.0	1.0	2.0	3.0	2.0	2.0
20	LD12-12717a		2.0	2.0	2.0	2.0	2.0	2.0
21	LD12-12730a		2.0	2.0	2.0	2.0	2.0	2.0
22	LD12-12734a		2.0	2.0	2.0	2.0	2.0	1.0

2015 SCN PRELIMINARY TEST III

Seed Weight (g/100)

		Glenwood IA	Muscatine IA	Arthur IL	Urbana IL	Manhattan KS	Columbus NE	Plattsmouth NE
	SCN HG Type	2.5.7	2.5.7	Inf	2.5.7	Inf	2.5.7	Inf
	Strain							
1	IA3023		13.4	18.3	15.0	12.5	12.0	18.0
2	IA3024		14.3	17.9	16.5	12.8	15.0	19.0
3	IA3048		15.4	16.6	14.7	11.3	13.0	16.0
4	LD07-3395bf		15.1	15.8	16.2	11.9	14.0	18.0
5	AR12-327069		13.0	15.6	12.6	10.5	12.0	16.0
6	AR13-231042		14.3	15.7	14.5	12.1	13.0	16.0
7	AR13-331023		13.8	16.0	16.0	11.1	13.0	16.0
8	AR14-347003		15.1	14.8	13.4	11.2	12.0	14.0
9	AR14-347012		14.3	14.6	13.8	11.5	10.0	15.0
10	AR14-347021		14.9	17.5	14.7	12.8	12.0	17.0
11	AR14-347022		15.7	17.5	14.8	12.5	14.0	17.0
12	AR14-347048		14.1	16.0	14.5	11.6	13.0	15.0
13	LD12-1843		16.6	17.8	17.6	13.7	14.0	18.0
14	LD12-2203		14.0	15.2	15.1	11.4	13.0	17.0
15	LD12-2625		13.6	16.0	13.4	10.5	13.0	16.0
16	LD12-3596		13.8	16.8	15.7	10.6	12.0	17.0
17	LD12-3903		16.6	17.5	16.6	11.6	14.0	16.0
18	LD12-5953a		15.2	16.4	14.5	12.4	14.0	17.0
19	LD12-8534		14.1	16.2	14.8	12.3	13.0	16.0
20	LD12-12717a		14.2	16.3	15.7	12.4	13.0	16.0
21	LD12-12730a		14.2	16.3	14.2	12.4	14.0	17.0
22	LD12-12734a		15.0	17.1	15.3	11.9	13.0	16.0

2015 SCN PRELIMINARY TEST III

Protein (%)

		Glenwood IA	Muscatine IA	Arthur IL	Urbana IL	Manhattan KS	Columbus NE	Plattsmouth NE
	SCN HG Type	2.5.7	2.5.7	Inf	2.5.7	Inf	2.5.7	Inf
	Strain							
1	IA3023		32.0	34.0	32.4	34.6		34.1
2	IA3024		33.7	34.1	33.4	35.1		34.1
3	IA3048		34.2	33.6	33.6	36.5		32.6
4	LD07-3395bf		32.6	31.8	31.3	34.4		33.3
5	AR12-327069		36.1	34.4	33.8	36.4		34.8
6	AR13-231042		35.6	35.3	34.2	36.3		36.0
7	AR13-331023		34.3	34.4	34.0	35.9		33.5
8	AR14-347003		35.9	34.5	33.6	36.4		34.0
9	AR14-347012		36.1	36.4	35.2	37.7		37.2
10	AR14-347021		36.8	34.6	33.5	36.1		36.0
11	AR14-347022		36.1	34.8	34.3	37.1		35.5
12	AR14-347048		34.3	31.3	31.3	36.1		32.9
13	LD12-1843		35.9	36.0	34.9	36.9		36.1
14	LD12-2203		34.7	33.7	33.8	36.6		33.9
15	LD12-2625		32.3	33.3	30.9	34.5		32.1
16	LD12-3596		33.2	33.6	31.6	36.0		34.9
17	LD12-3903		33.5	32.0	34.6	34.6		33.6
18	LD12-5953a		34.2	34.2	31.7	35.1		34.6
19	LD12-8534		33.9	32.9	33.1	35.5		34.6
20	LD12-12717a		32.2	31.3	29.8	34.6		33.6
21	LD12-12730a		34.6	33.2	33.8	36.4		35.4
22	LD12-12734a		34.1	32.6	31.8	34.7		33.3

2015 SCN PRELIMINARY TEST III

Oil (%)

		Glenwood IA	Muscatine IA	Arthur IL	Urbana IL	Manhattan KS	Columbus NE	Plattsmouth NE
	SCN HG Type	2.5.7	2.5.7	Inf	2.5.7	Inf	2.5.7	Inf
	Strain							
1	IA3023		20.5	19.2	20.9	19.0		18.7
2	IA3024		19.9	19.8	20.4	18.9		19.8
3	IA3048		19.7	19.6	20.1	17.8		19.7
4	LD07-3395bf		20.3	20.3	20.6	19.1		18.5
5	AR12-327069		19.5	19.8	19.9	18.5		18.8
6	AR13-231042		19.0	19.3	20.4	18.4		18.7
7	AR13-331023		20.4	19.7	20.1	18.2		19.3
8	AR14-347003		19.2	19.8	20.3	18.0		19.1
9	AR14-347012		18.6	18.9	18.7	17.8		17.3
10	AR14-347021		19.1	19.4	19.6	18.1		18.6
11	AR14-347022		19.4	19.8	19.4	17.8		19.0
12	AR14-347048		20.0	21.1	21.3	19.0		20.0
13	LD12-1843		19.8	19.6	20.0	18.5		19.0
14	LD12-2203		19.4	19.3	18.8	17.5		19.0
15	LD12-2625		21.1	20.7	21.3	18.5		19.8
16	LD12-3596		21.4	20.2	20.9	18.3		19.5
17	LD12-3903		20.4	20.4	19.6	18.7		18.5
18	LD12-5953a		21.2	19.8	20.7	19.4		18.9
19	LD12-8534		19.7	20.5	19.9	18.4		18.8
20	LD12-12717a		20.4	20.0	21.5	19.2		19.0
21	LD12-12730a		19.8	20.5	19.1	18.9		19.1
22	LD12-12734a		20.1	20.2	21.2	19.4		19.2

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2015 SCN UNIFORM TEST IV

	Strain	Descriptive code	Parentage	Previous testing
1	LD06-7620	PLtbl	IA3023 x LD00- 3309	4
2	LD07-3395bf	WGbf	LD07-3395 RESELECTION	2
3	LD00-2817P	PGibl	Ina x Dwight	7
4	AR13-331019	WGbf	Ina x AR3	1
5	K11-2363	PLtbl	435.TCS x LD05-30578a	1
6	K13-1385	PTbl	LD00-3309 x 435.TCS	New
7	K13-1515	PLtbl	LG06-5920 x LD04-13265	New
8	K13-1613	W+PG+Tbl/ibl	LS07-3125 x 435.TCS	New
9	K13-1615	PGibl	LS07-3125 x 435.TCS	New
10	K13-1636	WGbf	LS07-3125 x 435.TCS	New
11	K13-1643	PTbl	LS07-3125 x 435.TCS	New
12	K13-1644	WG+Tbl/bf	LS07-3125 x 435.TCS	New
13	LD12-2117	WLtbl	CL04-13234 x LD06-7620	New
14	LD12-7900	WLtbl	Syngenta 04BR307588 x Dairyland 75213-72	New
15	LD12-8677	WTbl	LD04-11056W x 432.TCS	New

	Strain	Gen comp	SCN res source	Traits
1	LD06-7620	F5	PI 88788	
2	LD07-3395bf	F5	PI 88788,437654	
3	LD00-2817P	F5	PI 88788,437654	
4	AR13-331019	F4	PI 88788,437654	IDC
5	K11-2363	F4	PI 88788	
6	K13-1385	F4	PI 88788	STS
7	K13-1515	F4	PI 88788	STS
8	K13-1613	F4	PI 88788	STS
9	K13-1615	F4	PI 88788	STS
10	K13-1636	F4	PI 88788	STS
11	K13-1643	F4	PI 88788	STS
12	K13-1644	F4	PI 88788	STS
13	LD12-2117	F5	PI 88788	
14	LD12-7900	F5	PI 88788	
15	LD12-8677	F5	PI 88788	STS

2015 SCN UNIFORM TEST IV

		IL SCN screen				SIU SDS
		HG Type 0		HG Type 2.5.7		Valmeyer
	Strain	FI	rating	FI	rating	DX
1	LD06-7620	14	R	23	R	12
2	LD07-3395bf	1	HR	1	HR	6
3	LD00-2817P	1	HR	1	HR	3
4	AR13-331019	1	HR	2	HR	6
5	K11-2363	11	R	27	MR	14
6	K13-1385	5	HR	36	MR	6
7	K13-1515	3	HR	12	R	25
8	K13-1613	3	HR	33	MR	28
9	K13-1615	20	R	40	LR	6
10	K13-1636	13	R	26	MR	39
11	K13-1643	14	R	25	MR	25
12	K13-1644	14	R	56	LR	31
13	LD12-2117	4	HR	16	R	22
14	LD12-7900	17	R	21	R	17
15	LD12-8677	4	HR	27	MR	9
					Ripley (res)	0
					Spencer(sus)	56
					LSD	16

2015 SCN UNIFORM TEST IV

Summary

		Yield									Seed			
		All		Infested		Non-infested		Maturity	Lodging	Height	quality	weight	protein	oil
	Strain	bu/a	rank	bu/a	rank	bu/a	rank	date	score	inches	score	g/100	@13%	@13%
	Locations	**9**		5		4		8	9	9	8	8	5	5
1	LD06-7620	**55.7**	**6**	55.5	3	56.4	12	9/23	1.5	29	2.5	13.9	34.1	19.4
2	LD07-3395bf	**53.8**	**13**	52.3	9	56.0	13	0	1.6	29	2.5	14.6	33.0	20.4
3	LD00-2817P	**56.2**	**5**	54.3	6	59.0	6	3	2.0	34	2.5	12.8	33.6	20.0
4	AR13-331019	**49.8**	**15**	48.2	15	52.2	15	-2	2.9	38	2.5	12.4	35.0	19.7
5	K11-2363	**56.2**	**4**	52.3	9	61.6	2	3	1.7	28	2.2	15.5	33.6	19.7
6	K13-1385	**55.1**	**8**	53.6	7	57.3	10	2	2.3	31	2.3	13.2	34.5	19.7
7	K13-1515	**57.4**	**3**	55.7	2	59.8	5	6	2.5	35	2.4	13.8	33.4	19.8
8	K13-1613	**54.5**	**11**	49.7	13	60.9	3	5	2.0	35	2.5	13.4	34.7	19.2
9	K13-1615	**58.1**	**2**	54.4	5	63.3	1	3	1.6	33	2.2	13.5	34.6	20.0
10	K13-1636	**54.1**	**12**	50.7	12	58.8	7	4	1.9	32	2.2	14.4	35.1	19.5
11	K13-1643	**52.8**	**14**	49.5	14	57.2	11	5	1.8	32	2.1	14.4	35.2	18.8
12	K13-1644	**55.1**	**8**	53.3	9	57.5	9	4	1.7	34	2.3	13.5	35.5	19.3
13	LD12-2117	**55.0**	**10**	54.7	4	55.7	14	-1	1.5	30	2.5	14.7	34.6	18.8
14	LD12-7900	**55.4**	**7**	53.6	8	58.2	8	-2	1.8	34	2.3	13.7	34.5	19.6
15	LD12-8677	**59.3**	**1**	58.4	1	60.9	3	0	1.9	33	2.5	15.4	35.4	20.4
	Mean	**55.2**		53.1		58.3		25.1	1.9	32.5	2.4	13.9	34.4	19.6
	LSD(.05)	**3.4**		5.2		4.1		1.7	0.2	1.4				
	C.V. %	**11.6**		13.5		8.7		12.0	20.3	7.8				
	Replications	**25**		13		12		22	25	25				

2 Year Summary

		Yield									Seed			
		All		Infested		Non-infested		Maturity	Lodging	Height	quality	weight	protein	oil
	Strain	bu/a	rank	bu/a	rank	bu/a	rank	date	score	inches	score	g/100	@13%	@13%
	Locations	19		14		5		15	16	16	15	15	10	10
1	LD06-7620	**54.4**	**4**	54.2	4	55.0	4	9/25	1.6	29	2.5	14.4	34.4	18.8
2	LD07-3395bf	**55.4**	**2**	54.5	2	58.1	2	-1	1.7	28	2.5	15.8	33.0	19.9
3	LD00-2817P	**54.7**	**3**	54.3	3	55.8	3	3	2.0	34	2.5	13.4	33.5	19.6
4	AR13-331019	**50.8**	**5**	50.4	5	52.0	5	-2	3.0	38	2.7	12.8	34.5	19.0
5	K11-2363	**56.6**	**1**	55.7	1	59.2	1	2	1.4	27	2.3	16.1	34.0	18.6

2015 SCN UNIFORM TEST IV

Yield (bu/a)

		Brownstown IL	Carbondale IL	Urbana IL	Manhattan KS	Clarkton MO
	SCN HG Type	2.5.7	Inf	2.5.7	Inf	Inf
	Strain					
1	LD06-7620	60.9	70.5	71.0	47.2	25.8
2	LD07-3395bf	54.6	60.3	62.8	48.7	33.0
3	LD00-2817P	57.5	73.5	60.8	40.9	36.4
4	AR13-331019	44.1	68.8	61.7	35.1	29.0
5	K11-2363	62.9	59.2	68.6	45.0	23.5
6	K13-1385	54.7	69.7	74.7	40.3	26.5
7	K13-1515	49.2	81.8	76.7	37.3	31.5
8	K13-1613	59.2	62.0	71.6	36.7	16.6
9	K13-1615	56.2	64.8	74.6	39.3	34.7
10	K13-1636	55.4	60.9	69.5	39.2	26.5
11	K13-1643	59.4	55.4	69.6	39.3	21.8
12	K13-1644	59.0	57.4	71.6	38.2	38.5
13	LD12-2117	61.6	50.5	78.7	43.5	37.0
14	LD12-7900	53.3	57.3	77.6	45.9	31.5
15	LD12-8677	63.8	71.8	79.5	43.8	31.0
	Average	56.8	64.2	71.2	41.2	29.6
	LSD(.05)	12.3	13.9	10.6	7.2	10.8
	C.V. %	10.1	12.9	6.9	10.4	21.9
	Replications	2	3	2	3	3
	Row width (in.)	30	30	30	30	30

2015 SCN UNIFORM TEST IV

Yield (bu/a)

		Columbia MO	Ottawa KS	Portageville MO	Jackson TN
	SCN HG Type	NI	NI	NI	NI
	Strain				
1	LD06-7620	75.1	40.8	54.8	55.1
2	LD07-3395bf	68.4	47.7	53.4	54.5
3	LD00-2817P	74.3	46.2	55.2	60.5
4	AR13-331019	62.0	44.7	49.5	52.6
5	K11-2363	76.1	49.2	56.8	64.3
6	K13-1385	71.2	47.3	59.0	51.7
7	K13-1515	66.1	51.0	66.9	55.4
8	K13-1613	72.8	46.3	66.2	58.3
9	K13-1615	72.4	47.2	68.2	65.2
10	K13-1636	70.9	45.6	64.6	54.1
11	K13-1643	68.0	47.6	59.1	54.3
12	K13-1644	71.5	47.0	59.5	52.2
13	LD12-2117	76.3	44.2	55.8	46.6
14	LD12-7900	70.5	43.9	60.9	57.7
15	LD12-8677	72.6	47.9	66.4	56.7
	Average	71.2	46.3	59.8	55.9
	LSD(.05)	7.2	3.8	8.9	11.4
	C.V. %	6.1	4.9	8.9	12.1
	Replications	3	3	3	3
	Row width (in.)	30	30	30	30

2015 SCN UNIFORM TEST IV

Yield (rank)

		Brownstown IL	Carbondale IL	Urbana IL	Manhattan KS	Clarkton MO
	SCN HG Type	2.5.7	Inf	2.5.7	Inf	Inf
	Strain					
1	LD06-7620	4	4	9	2	11
2	LD07-3395bf	12	10	13	1	5
3	LD00-2817P	8	2	15	7	3
4	AR13-331019	15	6	14	15	8
5	K11-2363	2	11	12	4	12
6	K13-1385	11	5	5	8	9
7	K13-1515	14	1	4	13	6
8	K13-1613	6	8	7	14	14
9	K13-1615	9	7	6	9	4
10	K13-1636	10	9	11	11	10
11	K13-1643	5	14	10	9	13
12	K13-1644	7	12	8	12	1
13	LD12-2117	3	15	2	6	2
14	LD12-7900	13	13	3	3	6
15	LD12-8677	1	3	1	5	7

2015 SCN UNIFORM TEST IV

Yield (rank)

		Columbia MO	Ottawa KS	Portageville MO	Jackson TN
	SCN HG Type	NI	NI	NI	NI
	Strain				
1	LD06-7620	3	15	13	8
2	LD07-3395bf	12	4	14	9
3	LD00-2817P	4	10	12	3
4	AR13-331019	15	12	15	12
5	K11-2363	2	2	10	2
6	K13-1385	9	6	9	14
7	K13-1515	14	1	2	7
8	K13-1613	5	9	4	4
9	K13-1615	7	7	1	1
10	K13-1636	10	11	5	11
11	K13-1643	13	5	8	10
12	K13-1644	8	8	7	13
13	LD12-2117	1	13	11	15
14	LD12-7900	11	14	6	5
15	LD12-8677	6	3	3	6

2015 SCN UNIFORM TEST IV

Maturity

		Brownstown IL	Carbondale IL	Urbana IL	Manhattan KS	Clarkton MO
	SCN HG Type	2.5.7	Inf	2.5.7	Inf	Inf
	Strain					
1	LD06-7620	9/16		9/28	9/22	9/11
2	LD07-3395bf	-2		-2	1	3
3	LD00-2817P	2		2	1	9
4	AR13-331019	-4		-1	-4	3
5	K11-2363	6		2	5	6
6	K13-1385	4		2	5	6
7	K13-1515	8		3	7	11
8	K13-1613	7		3	5	7
9	K13-1615	3		1	3	6
10	K13-1636	4		2	3	9
11	K13-1643	6		3	6	10
12	K13-1644	4		3	5	11
13	LD12-2117	-4		-2	-3	4
14	LD12-7900	-2		-2	-1	1
15	LD12-8677	-3		-4	0	4
	Planted	5/06	5/24	5/08	6/02	5/21

2015 SCN UNIFORM TEST IV

Maturity

	SCN HG Type	Columbia MO NI	Ottawa KS NI	Portageville MO NI	Jackson TN NI
	Strain				
1	LD06-7620	9/21	10/04	9/27	9/24
2	LD07-3395bf	0	0	-2	2
3	LD00-2817P	0	6	2	3
4	AR13-331019	-1	-1	-3	-2
5	K11-2363	0	4	1	1
6	K13-1385	0	1	0	1
7	K13-1515	2	7	5	2
8	K13-1613	1	7	6	1
9	K13-1615	-1	4	5	3
10	K13-1636	1	5	6	6
11	K13-1643	2	7	4	3
12	K13-1644	1	6	5	1
13	LD12-2117	-2	1	-2	-2
14	LD12-7900	-1	-2	-4	-2
15	LD12-8677	-1	2	-1	-1
	Planted	5/06	6/18	6/04	6/12

2015 SCN UNIFORM TEST IV

Lodging (score)

		Brownstown IL	Carbondale IL	Urbana IL	Manhattan KS	Clarkton MO
	SCN HG Type	2.5.7	Inf	2.5.7	Inf	Inf
	Strain					
1	LD06-7620	1.0	1.0	1.0	1.3	1.0
2	LD07-3395bf	1.5	1.0	1.0	1.3	1.0
3	LD00-2817P	1.8	1.0	1.0	3.0	1.0
4	AR13-331019	4.0	2.0	2.3	4.0	1.7
5	K11-2363	1.5	2.0	1.0	1.3	1.0
6	K13-1385	1.8	4.0	1.5	3.0	1.0
7	K13-1515	2.8	1.0	2.5	2.7	1.3
8	K13-1613	1.5	3.0	1.5	1.3	1.0
9	K13-1615	1.5	1.0	1.3	1.7	1.0
10	K13-1636	1.5	2.0	1.3	1.7	1.0
11	K13-1643	1.8	2.0	1.3	1.3	1.0
12	K13-1644	1.8	1.0	1.5	1.3	1.0
13	LD12-2117	1.0	3.0	1.0	1.3	1.0
14	LD12-7900	1.5	2.0	1.5	1.3	1.0
15	LD12-8677	1.3	1.0	2.0	2.0	1.0

Lodging (score)

		Columbia MO	Ottawa KS	Portageville MO	Jackson TN
	SCN HG Type	NI	NI	NI	NI
	Strain				
1	LD06-7620	2.3	1.0	2.0	2.7
2	LD07-3395bf	2.2	1.0	2.0	3.7
3	LD00-2817P	3.5	1.0	2.3	3.3
4	AR13-331019	3.8	1.0	3.0	4.0
5	K11-2363	2.2	1.0	2.0	3.0
6	K13-1385	2.7	1.0	2.3	3.7
7	K13-1515	4.2	1.0	3.0	4.0
8	K13-1613	2.5	1.0	2.3	3.3
9	K13-1615	2.2	1.0	2.0	3.0
10	K13-1636	2.8	1.0	2.0	3.7
11	K13-1643	2.7	1.0	2.0	3.0
12	K13-1644	3.0	1.0	2.0	2.7
13	LD12-2117	1.5	1.0	2.0	2.0
14	LD12-7900	2.0	1.0	2.3	3.0
15	LD12-8677	2.2	1.0	2.7	4.0

2015 SCN UNIFORM TEST IV

Height (inches)

		Brownstown IL	Carbondale IL	Urbana IL	Manhattan KS	Clarkton MO
	SCN HG Type	2.5.7	Inf	2.5.7	Inf	Inf
	Strain					
1	LD06-7620	27	30	31	37	26
2	LD07-3395bf	27	31	29	36	27
3	LD00-2817P	33	32	31	44	33
4	AR13-331019	38	31	39	49	37
5	K11-2363	27	30	29	34	23
6	K13-1385	30	34	32	38	26
7	K13-1515	31	35	36	44	32
8	K13-1613	34	33	41	39	29
9	K13-1615	30	32	36	40	30
10	K13-1636	29	33	35	38	28
11	K13-1643	31	34	35	39	28
12	K13-1644	35	37	36	37	31
13	LD12-2117	30	32	33	39	28
14	LD12-7900	29	35	36	43	29
15	LD12-8677	33	36	36	39	30

2015 SCN UNIFORM TEST IV

Height (inches)

		Columbia MO	Ottawa KS	Portageville MO	Jackson TN
	SCN HG Type	NI	NI	NI	NI
	Strain				
1	LD06-7620	29	24	28	30
2	LD07-3395bf	27	25	27	33
3	LD00-2817P	37	31	33	36
4	AR13-331019	37	35	36	45
5	K11-2363	29	25	26	30
6	K13-1385	32	28	30	33
7	K13-1515	35	32	33	38
8	K13-1613	35	30	32	38
9	K13-1615	33	31	29	36
10	K13-1636	32	30	28	32
11	K13-1643	32	28	29	36
12	K13-1644	35	28	31	34
13	LD12-2117	30	27	29	27
14	LD12-7900	32	31	33	37
15	LD12-8677	34	28	33	31

2015 SCN UNIFORM TEST IV

Seed Quality (score)

		Brownstown IL	Carbondale IL	Urbana IL	Manhattan KS	Clarkton MO
	SCN HG Type	2.5.7	Inf	2.5.7	Inf	Inf
	Strain					
1	LD06-7620	2.0		2.0	3.0	3.0
2	LD07-3395bf	1.0		2.0	3.0	2.7
3	LD00-2817P	1.0		2.0	3.0	3.0
4	AR13-331019	2.0		2.0	3.0	3.0
5	K11-2363	1.0		2.0	3.0	3.0
6	K13-1385	1.0		2.0	3.0	3.0
7	K13-1515	2.0		2.0	3.0	2.7
8	K13-1613	2.0		2.0	3.0	3.0
9	K13-1615	1.0		2.0	3.0	2.3
10	K13-1636	1.0		2.0	3.0	2.7
11	K13-1643	1.0		2.0	2.0	3.0
12	K13-1644	2.0		2.0	2.0	3.0
13	LD12-2117	2.0		1.0	3.0	3.0
14	LD12-7900	1.0		2.0	3.0	3.0
15	LD12-8677	1.0		2.0	3.0	3.0

2015 SCN UNIFORM TEST IV

Seed Quality (score)

		Columbia MO	Ottawa KS	Portageville MO	Jackson TN
	SCN HG Type	NI	NI	NI	NI
	Strain				
1	LD06-7620	2.3	2.0	3.0	2.3
2	LD07-3395bf	3.0	3.0	3.0	2.0
3	LD00-2817P	3.0	2.0	3.0	2.7
4	AR13-331019	3.0	2.0	3.0	2.3
5	K11-2363	2.7	1.0	3.0	2.0
6	K13-1385	2.7	2.0	3.0	1.7
7	K13-1515	2.7	2.0	3.0	2.0
8	K13-1613	2.7	3.0	3.0	1.3
9	K13-1615	3.0	2.0	3.0	1.3
10	K13-1636	2.0	2.0	2.7	2.0
11	K13-1643	2.7	2.0	2.7	1.3
12	K13-1644	2.7	2.0	3.0	1.5
13	LD12-2117	3.0	3.0	3.0	2.0
14	LD12-7900	2.7	2.0	3.0	2.0
15	LD12-8677	2.7	3.0	3.0	2.0

2015 SCN UNIFORM TEST IV

Seed Weight (g/100)

		Brownstown IL	Carbondale IL	Urbana IL	Manhattan KS	Clarkton MO
	SCN HG Type	2.5.7	Inf	2.5.7	Inf	Inf
	Strain					
1	LD06-7620	13.3		14.8	11.1	11.6
2	LD07-3395bf	14.1		16.1	11.2	12.0
3	LD00-2817P	12.1		14.6	10.1	11.5
4	AR13-331019	11.7		13.8	11.1	10.6
5	K11-2363	14.1		17.9	13.5	14.4
6	K13-1385	12.7		14.6	11.5	11.8
7	K13-1515	12.5		16.1	12.0	13.0
8	K13-1613	13.2		14.8	11.8	11.6
9	K13-1615	12.1		15.3	10.5	12.2
10	K13-1636	13.4		16.6	10.7	12.7
11	K13-1643	13.2		16.9	12.9	12.8
12	K13-1644	13.3		15.3	11.4	12.9
13	LD12-2117	13.8		16.5	11.7	12.8
14	LD12-7900	13.0		14.6	10.6	12.6
15	LD12-8677	15.0		17.4	11.8	13.3

2015 SCN UNIFORM TEST IV

Seed Weight (g/100)

		Columbia MO	Ottawa KS	Portageville MO	Jackson TN
	SCN HG Type	NI	NI	NI	NI
	Strain				
1	LD06-7620	13.9	16.3	15.8	14.0
2	LD07-3395bf	15.3	15.7	15.4	17.1
3	LD00-2817P	12.8	14.2	13.1	14.4
4	AR13-331019	12.5	14.2	12.4	12.5
5	K11-2363	14.9	16.5	16.3	16.0
6	K13-1385	12.8	14.3	13.6	14.3
7	K13-1515	13.1	14.2	15.4	14.3
8	K13-1613	12.4	15.0	15.2	13.4
9	K13-1615	12.6	13.8	16.1	15.0
10	K13-1636	13.7	16.1	16.9	15.2
11	K13-1643	13.6	16.2	15.2	14.6
12	K13-1644	13.0	14.5	14.5	13.0
13	LD12-2117	15.6	16.0	16.2	15.0
14	LD12-7900	13.6	15.4	15.2	14.7
15	LD12-8677	15.6	17.1	16.9	16.0

2015 SCN UNIFORM TEST IV

Protein (%)

		Brownstown IL	Urbana IL	Manhattan KS	Columbia MO	Jackson TN
	SCN HG Type	2.5.7	2.5.7	Inf	NI	NI
	Strain					
1	LD06-7620	34.7	33.8	34.2	34.2	33.7
2	LD07-3395bf	32.5	32.6	33.7	33.6	32.6
3	LD00-2817P	33.2	33.4	34.1	33.3	34.0
4	AR13-331019	36.2	33.5	34.5	35.6	35.0
5	K11-2363	33.8	34.2	33.3	32.4	34.2
6	K13-1385	34.5	34.0	34.6	34.5	34.9
7	K13-1515	34.0	31.9	34.0	33.3	33.8
8	K13-1613	35.4	33.8	35.0	34.6	34.5
9	K13-1615	34.6	33.5	35.2	34.2	35.4
10	K13-1636	35.8	34.4	35.9	34.9	34.3
11	K13-1643	35.7	35.4	33.5	35.5	35.7
12	K13-1644	36.9	35.3	34.9	36.1	34.5
13	LD12-2117	35.0	33.9	35.7	34.3	34.0
14	LD12-7900	34.2	32.9	36.4	34.2	35.0
15	LD12-8677	36.3	34.9	35.6	35.0	35.3

Oil (%)

		Brownstown IL	Urbana IL	Manhattan KS	Columbia MO	Jackson TN
	SCN HG Type	2.5.7	2.5.7	Inf	NI	NI
	Strain					
1	LD06-7620	19.6	19.1	18.9	19.9	19.4
2	LD07-3395bf	20.5	20.3	19.8	20.3	21.1
3	LD00-2817P	20.5	19.3	18.7	20.3	21.0
4	AR13-331019	19.8	20.0	19.1	19.2	20.6
5	K11-2363	20.1	18.7	19.6	20.4	19.8
6	K13-1385	20.3	19.5	19.2	19.8	19.6
7	K13-1515	19.6	19.6	19.7	19.8	20.5
8	K13-1613	19.4	19.3	18.4	18.9	19.9
9	K13-1615	20.1	19.7	19.2	20.1	20.7
10	K13-1636	20.0	19.3	18.0	19.3	20.7
11	K13-1643	18.4	17.9	19.6	18.6	19.3
12	K13-1644	19.2	19.2	19.1	19.1	20.0
13	LD12-2117	19.5	18.6	17.7	19.1	19.0
14	LD12-7900	20.7	19.4	18.1	19.9	19.9
15	LD12-8677	20.6	20.2	19.5	20.6	21.1