2014
NORTHERN REGIONAL SOYBEAN CYST NEMATODE TESTS

Coordinated by:
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2014 NORTHERN REGIONAL SCN TESTS

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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 20 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
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	Minnesota
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

2014 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 State University
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
A86-204022	Hack x Zane
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
A96-591033	IA3003 x Pioneer P9273
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
A04-545045	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

2014 IDENTIFICATION OF PARENT STRAINS

Strain	Parentage
AR05-150119	Garst Agripro 96003-A98-21349 x Loda
AR05-150139	Loda x SOY02-2
AR05-250101	Syngenta S10-F2 x Pana
AR05-250103	
AR06-365042	Golden Harvest H-2632 x Syngenta S18-N5
AR07-175036	A95-684043 x Soygenetics 95-34480
AR1	IA2039BC x IA2021
AR2	
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 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
CM304	Unknown
D71-6264	
Dairyland 75226	
Dairyland 98822	
Dairyland 99540	Stine 2660 x DSR-275
Dairyland DSR 365	

2014 IDENTIFICATION OF PARENT STRAINS

Strain	Parentage
Dairyland DSR-275	
E05276-T	
GarstAgripro 96003-A98-21349	
GarstAgriPro 98180-A01-06131	
GD518	
Golden Harvest H-2632	
IAR2001BSR	
IVR 1120	Provar x (AX56P64-1 x PI 191.110-1)
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
LD00-1938	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

2014 IDENTIFICATION OF PARENT STRAINS

Strain	Parentage
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
LD05-16638	Dwight(3) x (Dowling x Loda)
LD05-16657	Dwight(3) x (Dowling x Loda)
LD05-30578a	LD00-3309(2) x [LD00-4970(2) x (Dowling x Loda)]
LD05-3230	Syngenta S25-J5 x LD00-3296
LD05-8517	LD00-2817 x Syngenta S38-T8
LD06-7648	IA3023 x LD00-3309
LD07-3395	Syngenta WW115926 x LD00-2817
LDX07-178a-1-7	LD05-16638 x (Dwight x (Ina x PI 200538))
LN93-11632	A86-301024 x Asgrow A3733
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
LS98-0582	Northrup King S46-44 x Asgorw A4138
LS01-3615	LS93-0375 x Mustang
LS02-0425	LN93-11632 x IA1008
LS02-2213	LS93-0375 x SS94-4337
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	

2014 IDENTIFICATION OF PARENT STRAINS

Strain	Parentage
M90-178161	M85-23 x A20
M90-184111	L85P-558 X M86-1973
M85-647	Ozzie x Fayette
M92-1631	Fairbault 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
M99-286050	IA1008 x P9234
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
M02-391112	IA1008 x M96-356062
M02-383122	MN0902CN x MN0091
MO 474C	White flowered off type in Mitchell
ND03-5441	Barnes x MN0602CN
ND03-7566	Barnes x MN0602CN
ND04-11603	(IA1009 x Sargent) x MN0902CN
Northrup King S1346	A55-5629-4 x PI 257.435
Northrup King S19-90	Pride B152 x Pella
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
Pioneer 9234	SCN resistant line from Peking

2014 IDENTIFICATION OF PARENT STRAINS

Strain	Parentage
Pioneer 93B86	
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 P9234	
Pioneer P9273	Pioneer 2981 x Asgrow A3127
Pioneer P9281	Hark x (Corsoy x Calland)
Pioneer P9303	Asgrow A2943 x Asgrow A5474
Pioneer P9341	CM304 x Asgrow A3127
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
Soy02-2	
Soygenetics 95-34480	
SS02-12014	
SS94-4337	Jack x Pioneer P9341
SS96-5637	S88-1318 x S91-5371-17
SS98-7851	Pioneer P9362 x Magellan
Syngenta 03JR101916	
Syngenta 05JR200591	
Syngenta 30257-b02-07197	
Syngenta 98620-b1-51163	
Syngenta S18-N5	

2014 IDENTIFICATION OF PARENT STRAINS

Strain	Parentage
Syngenta S25-J5	
Syngenta S32-Z3	
Syngenta S32-Z3	
Syngenta S38-T8	
Syngenta SJ833009	
Syngenta WW115926	
T145	
T180	F3 sib of T181
T181	Non-nodulating rjl mutant in Lincoln(2) x Richland
T201	T181 x T180
U96- 2208	Colfax x A91-701035
U98-311442	A94-773014 x Bell
U99-009019	MSBP6S4 (Intermated population)
U01-190311	NE1900 x A97-871009
U01-390489	IA1008 x NE3001
U03-100612	U99-009019 x Pioneer P92B12
U03-300134	NE3202 x Pioneer P92B12
435.TCS	line from Schillinger Seed Co.

2014 NORTHERN REGIONAL SCN TEST LOCATIONS

				Uniform Tests						Preliminary Tests			
	Location	Cooperator	SCN*	00	0	I	II	III	IV	0	I	II	III
IA	**Newell**	S. Cianzio	I			X					X		
IA	**Mason City**	S. Cianzio	I			X					X		
IA	**Moorhead**	S. Cianzio	I				X					X	
IA	**Ames**	S. Cianzio	I				X					X	
IA	**Leighton**	S. Cianzio	I					X					X
IA	**Muscatine**	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										
IL	**Urbana**	B. Diers	NI			X	X	X	X		X	X	X
IL	**Carbondale**	S. Kantartzi	I						X**				
IN	**West Lafayette**	D. Schlueter	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	**Gary**	J. Orf	I	X									
MN	**Kent**	J. Orf		X**									
MN	**Danvers**	J. Orf	I		X					X			
MN	**Fairfax**	J. Orf	I		X	X	X			X	X	X	
MN	**Rosemount**	J. Orf	I		X					X			
MN	**Lamberton**	J. Orf	I			X	X				X	X	
MN	**Waseca**	J. Orf	I			X**	X**				X**	X**	
MO	**Novelty**	A. Scaboo	I					X	X				X
MO	**Clarkton**	G. Shannon	I					X	X				
MO	**Portageville**	G. Shannon	NI					X**	X**				
ND	**Arthur**	T. Helms	I	X**	X**					X**			
ND	**Wyndmere**	T. Helms	I	X	X					X			
NE	**Bellwood**	G. Graef	I				X**	X**				X**	X**
NE	**Plattsmouth**	G. Graef	I				X	X				X	X
OH	**Hoytville**	L. McHale	NI				X	X					
OH	**Plain City**	L. McHale	NI					X					
ON	**Ridgetown**	D. Fischer	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	9

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	T. Niblack	SCN	X	X	X	X	X	X	X	X	X	X

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

2014 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	1.2.5.7	3400	**10**	**22**	0	0	**25**	1	**34**	0	**16**
IA	Leighton	2.5.7	280	0	**16**	0	0	**17**	0	**24**	0	0
IA	Mason City	2.5.7	560	8	**41**	3	0	**50**	1	**84**	**16**	**35**
IA	Moorhead	2.5.7	5360	0	**13**	0	0	**17**	0	**29**	0	0
IA	Muscatine	I	280									
IA	Newell	I	720									
IL	Arthur	2.5.7	240	2	**39**	0	0	**33**	0	**44**	7	8
IL	Brownstown	2.5.7	120	2	**24**	0	0	**26**	1	**34**	1	5
IL	Carbondale	I										
IL	DeKalb	2.5.7	200	2	**23**	0	0	**22**	1	**33**	0	8
IL	Pontiac	2.5.7	80	0	**13**	0	0	**10**	0	**23**	0	3
IL	Urbana	NI	0									
IN	West Lafayette	2.5.7	120	0	**20**	0	0	**15**	0	**25**	0	1
KS	Manhattan	2.5.7	1320	0	**11**	0	0	**12**	0	**15**	2	0
KS	Ottawa	I	1120									
MI	Decatur	I	4960*									
MN	Danvers	I	80									
MN	Fairfax	2.5.7	1120	1	**12**	0	0	**16**	0	**22**	0	5
MN	Gary	7	320	0	**6**	0	0	**7**	8	**17**	**12**	**12**
MN	Kent	1.2.5.6.7	120	**21**	**16**	0	0	**12**	**13**	**32**	9	**51**
MN	Lamberton	I		IL egg count was 0, but cooperator confirmed loc as infested								
MN	Rosemount	2.5.7	2160	3	**23**	2	0	**35**	1	**31**	2	**15**
MN	Waseca	I										
MO	Clarkton	I		IL egg count was 0, but cooperator confirmed loc as infested								
MO	Novelty3	I	5680									
MO	Novelty4	I	2960									
MO	Portageville	NI										
ND	Arthur	NI	0									
ND	Wyndmere	2.5.7	2880	4	**27**	0	0	**22**	1	**53**	3	**45**
NE	Bellwood											
NE	Plattsmouth	2.5.7	6240	1	**28**	2	0	**35**	0	**42**	0	**12**
OH	Hoytville	NI										
OH	Plain City	NI										
ON	Chatham	2.7	3040									
ON	Harrow	2.5.7	1800	1	**15**	0	0	**27**	0	**41**	0	6
ON	Ottawa	NI										
ON	Ridgetown	I	80									
ON	St. Pauls	NI										
ON	Woodstock	NI										
TN	Jackson	NI	0*									

*counts provided by cooperator

2014 NORTHERN REGIONAL SCN TESTS SCN SCREENING

	HG 0	6 reps Mean	FI
	Lee	359	
	Essex		
HG1	PI548402		
HG2	PI88788		
HG3	PI90763		
HG4	PI437654		
HG5	PI209332		
HG6	PI89772		
HG7	PI548316		
	PI438489B		
	Pickett		

	HG 2.5.7	6 reps Mean	FI
	Lee	133	
	Essex	107	
HG1	PI548402	0	0
HG2	PI88788	44	33
HG3	PI90763	0	0
HG4	PI437654	0	0
HG5	PI209332	46	34
HG6	PI89772	0	0
HG7	PI548316	63	47
	PI438489B	17	13
	Pickett	2	2

**=rep data too variable to rate

			HG Type 0			HG Type 2.5.7		
Test	Entry	Strain	Mean	**FI**	rating	Mean	**FI**	rating
14SCN U00	1	MN0071 (00)	218	**61**	**NR**	161	**122**	**NR**
14SCN U00	2	Cavalier	290	**81**	**NR**	141	**107**	**NR**
14SCN U00	4	MN0208CN	64	**18**	**R**	47	**36**	**MR**
14SCN U00	5	M08-357081	205	**57**	**LR**	161	**122**	**NR**
14SCN U00	6	M08-359053	119	**33**	****	89	**67**	**NR**
14SCN U00	7	M08-359176	31	**9**	**HR**	61	**46**	**LR**
14SCN U00	8	M08-362045	7	**2**	**HR**	25	**19**	**R**
14SCN U00	9	M08-427030	286	**80**	**NR**	119	**90**	**NR**
14SCN U00	10	ND10-2993	62	**17**	**R**	86	**65**	**NR**
14SCN U00	11	ND10-4423	200	**56**	**LR**	105	**79**	**NR**
14SCN U0,I P 0,I	1	Sheyenne	280	**78**	**NR**	138	**104**	**NR**
14SCN U0 P 0	3	Surge	290	**81**	**NR**	116	**87**	**NR**
14SCN U00,0 P 0	4	MN0095	226	**63**	**NR**	92	**69**	**NR**
14SCN U0 P 0	5	MN0606CN	9	**3**	**HR**	29	**22**	**R**
14SCN U0	6	M05-353163	17	**5**	**HR**	32	**24**	**R**
14SCN U0	7	M05-363022	14	**4**	**HR**	30	**22**	**R**
14SCN U0	8	M06-288033	91	**25**	****	44	**33**	**MR**
14SCN U0	9	M06-289237	8	**2**	**HR**	40	**30**	**MR**
14SCN U0	10	M06-289273	6	**2**	**HR**	31	**23**	**R**
14SCN U0	11	M07-292111	9	**2**	**HR**	33	**25**	**MR**
14SCN U0	12	M07-296048	14	**4**	**HR**	39	**29**	**MR**
14SCN U0	13	M07-297083	15	**4**	**HR**	25	**19**	**R**
14SCN U0	14	M07-298022	11	**3**	**HR**	34	**25**	**MR**
14SCN U0	15	M08-151025	12	**3**	**HR**	40	**30**	**MR**
14SCN U0	16	ND10-2522	41	**11**	**R**	55	**42**	**LR**
14SCN U0	17	ND10-2763	38	**11**	**R**	65	**49**	**LR**

2014 NORTHERN REGIONAL SCN TESTS SCN SCREENING

			HG Type 0			HG Type 2.5.7		
14SCN U0	18	ND10-3419	34	**10**	**R**	52	**39**	**MR**
14SCN U0	19	ND10-3434	31	**9**	**HR**	47	**35**	**MR**
14SCN U0	20	ND10-3446	21	**6**	**HR**	53	**40**	**LR**
14SCN U0	21	ND10-3459	20	**6**	**HR**	49	**37**	**MR**
14SCN U0	22	ND10-3464	21	**6**	**HR**	42	**32**	**MR**
14SCN U0	23	ND10-3473	10	**3**	**HR**	41	**31**	**MR**
14SCN U0	24	ND10-3482	21	**6**	**HR**	40	**30**	**MR**
14SCN U0	25	ND10-3495	17	**5**	**HR**	48	**36**	**MR**
14SCN U0	26	ND10-3600	11	**3**	**HR**	42	**32**	**MR**
14SCN P0	6	M08-357081	219	**61**	**NR**	113	**85**	**NR**
14SCN P0	7	M08-357102	118	**33**	****	75	**57**	**LR**
14SCN P0	8	M08-357189	141	**39**	**MR**	129	**97**	**NR**
14SCN P0	9	M08-359053	35	**10**	**R**	90	**68**	**NR**
14SCN P0	10	M08-359082	11	**3**	**HR**	36	**27**	**MR**
14SCN P0	11	M08-362045	100	**28**	****	28	**21**	**R**
14SCN P0	12	M08-372036	318	**89**	**NR**	113	**86**	**NR**
14SCN P0	13	M09-166026	122	**34**	****	111	**84**	**NR**
14SCN P0	14	ND10-3601	14	**4**	**HR**	56	**42**	**LR**
14SCN P0	15	ND10-3608	18	**5**	**HR**	47	**36**	**MR**
14SCN P0	16	ND10-3610	25	**7**	**HR**	66	**50**	****
14SCN P0	17	ND11-16241	223	**62**	**NR**	122	**92**	**NR**
14SCN P0	18	ND11-16309	37	**10**	**R**	38	**28**	**MR**
14SCN U 0,I P 0,I	1	MN1410	273	**76**	**NR**	134	**101**	**NR**
14SCN U I,II P I,II	2	IA1022 (SCN)	17	**5**	**HR**	53	**40**	**LR**
14SCN U I	4	AR12-127092	12	**3**	**HR**	42	**32**	**MR**
14SCN U I	5	M05-353151	11	**3**	**HR**	42	**32**	**MR**
14SCN U I	6	M06-288155	13	**4**	**HR**	30	**23**	**R**
14SCN U I	7	M07-209037	4	**1**	**HR**	32	**24**	**R**
14SCN U I	8	M07-297004	8	**2**	**HR**	29	**22**	**R**
14SCN U I	9	M07-297007	12	**3**	**HR**	61	**46**	****
14SCN U I	10	M07-297052	32	**9**	**HR**	27	**21**	**R**
14SCN U I	11	M08-151006	4	**1**	**HR**	31	**23**	**R**
14SCN U I	12	M08-151086	10	**3**	**HR**	39	**29**	**MR**
14SCN U I	13	U11-911079	22	**6**	**HR**	32	**24**	**R**
14SCN U I	14	U11-917032	11	**3**	**HR**	45	**34**	**MR**
14SCN P I	4	AR13-131001	13	**4**	**HR**	39	**30**	****
14SCN P I	5	AR13-131002	15	**4**	**HR**	53	**40**	**LR**
14SCN P I	6	AR13-131003	10	**3**	**HR**	35	**27**	**MR**
14SCN P I	7	AR13-131005	11	**3**	**HR**	30	**23**	**R**
14SCN P I	8	AR13-131009	35	**10**	**R**	55	**42**	**LR**
14SCN P I	9	M08-208116	256	**71**	**NR**	130	**98**	**NR**
14SCN P I	10	M08-208118	267	**74**	**NR**	162	**122**	**NR**
14SCN P I	11	M08-328030	38	**11**	**R**	39	**30**	**MR**
14SCN P I	12	M08-344051	0	**0**	**HR**	2	**2**	**HR**
14SCN P I	13	M08-354011	9	**3**	**HR**	23	**17**	**R**
14SCN P I	14	M08-359087	37	**10**	**R**	58	**44**	**LR**

2014 NORTHERN REGIONAL SCN TESTS SCN SCREENING

			HG Type 0			HG Type 2.5.7		
14SCN P I	15	M08-359183	20	**5**	**HR**	48	**36**	**MR**
14SCN P I	16	M08-362051	14	**4**	**HR**	12	**9**	**HR**
14SCN P I	17	M08-365038	189	**53**	**LR**	37	**28**	**MR**
14SCN P I	18	M08-365100	26	**7**	**HR**	55	**42**	**LR**
14SCN P I	19	M08-603047	256	**71**	**NR**	114	**86**	**NR**
14SCN P I	20	ORC 7612N	243	**68**	**NR**	138	**104**	**NR**
14SCN U II P II	1	IA2102	26	**7**	**HR**	55	**42**	**LR**
14SCN U II P II	4	LD02-4485	14	**4**	**HR**	25	**19**	**R**
14SCN U II	5	AR11-113050	16	**4**	**HR**	22	**16**	**R**
14SCN U II	6	AR12-127102	7	**2**	**HR**	32	**24**	**R**
14SCN U II	7	E05181-T	9	**3**	**HR**	75	**57**	****
14SCN U II	8	E11095	74	**21**	****	2	**2**	**HR**
14SCN U II	9	E11128T	17	**5**	**HR**	78	**58**	**LR**
14SCN U II	10	LD10-2715	22	**6**	**HR**	23	**18**	**R**
14SCN U II	11	LD10-5213a	21	**6**	**HR**	32	**24**	**R**
14SCN U II	12	LD10-5587a	28	**8**	**HR**	64	**48**	**LR**
14SCN U II	13	LD10-5903a	16	**5**	**HR**	49	**37**	****
14SCN U II	14	LD10-8674	15	**4**	**HR**	32	**24**	**R**
14SCN U II	15	LD10-10198	18	**5**	**HR**	51	**39**	**MR**
14SCN U II	16	U11-611112	96	**27**	****	81	**61**	**NR**
14SCN U II	17	U11-919011	187	**52**	**LR**	109	**83**	**NR**
14SCN P II	5	AR13-231010	55	**15**	**R**	71	**54**	**LR**
14SCN P II	6	AR13-231013	246	**68**	**NR**	138	**104**	**NR**
14SCN P II	7	E12007	271	**75**	**NR**	106	**80**	**NR**
14SCN P II	8	E12023	248	**69**	**NR**	132	**99**	**NR**
14SCN P II	9	E12061	273	**76**	**NR**	110	**83**	**NR**
14SCN P II	10	E12076	46	**13**	**R**	78	**59**	**LR**
14SCN P II	11	E12377	185	**51**	**LR**	99	**75**	**NR**
14SCN P II	12	LD10-14323	19	**5**	**HR**	37	**28**	**MR**
14SCN P II	13	LD11-4787a	30	**8**	**HR**	75	**57**	**LR**
14SCN P II	14	LD11-6066	39	**11**	**R**	72	**54**	**LR**
14SCN P II	15	LD11-6087	255	**71**	**NR**	141	**107**	**NR**
14SCN P II	16	LD11-6797	6	**2**	**HR**	15	**11**	**R**
14SCN P II	17	M08-344021	24	**7**	**R**	56	**42**	**LR**
14SCN P II	18	M08-344109	33	**9**	**HR**	38	**28**	**MR**
14SCN P II	19	ORC 5811N	7	**2**	**HR**	32	**24**	**R**
14SCN U III, P III	1	IA3023	231	**64**	**NR**	113	**85**	**NR**
14SCN U,P II,III	3	IA3024	243	**68**	**NR**	116	**88**	**NR**
14SCN U III, P III	3	IA3048	5	**1**	**HR**	31	**23**	**MR**
14SCN U III,IV P III	4	IA4005	275	**77**	**NR**	110	**83**	**NR**
14SCN U III	5	AR12-327073	5	**1**	**HR**	6	**5**	**HR**
14SCN U III	6	K10-8556	23	**6**	**HR**	41	**31**	**MR**
14SCN U III	7	LD09-10911	14	**4**	**HR**	33	**25**	**MR**
14SCN U III	8	LD09-30224	5	**1**	**HR**	19	**15**	**R**
14SCN U III	9	LD10-2477	30	**8**	**HR**	39	**29**	**MR**
14SCN U III	10	LD10-9168	13	**4**	**HR**	24	**18**	**R**

2014 NORTHERN REGIONAL SCN TESTS SCN SCREENING

			HG Type 0			HG Type 2.5.7		
14SCN U III	11	LD10-9200	34	**10**	**R**	27	**21**	**R**
14SCN U III	12	LD10-9409	19	**5**	**HR**	26	**19**	**R**
14SCN U III	13	LD10-9763	36	**10**	**R**	47	**35**	**MR**
14SCN U III	14	LD10-10219	34	**9**	**HR**	32	**24**	**R**
14SCN U III	15	LD10-10226	23	**6**	**HR**	51	**39**	**LR**
14SCN P III	5	AR13-331002	31	**9**	**HR**	52	**39**	**MR**
14SCN P III	6	AR13-331018	0	**0**	**HR**	5	**4**	**HR**
14SCN P III	7	AR13-331026	16	**4**	**HR**	32	**24**	**R**
14SCN P III	8	AR13-331029	20	**6**	**HR**	32	**24**	**R**
14SCN P III	9	LD11-1014	25	**7**	**HR**	69	**52**	**LR**
14SCN P III	10	LD11-10771	47	**13**	**R**	68	**52**	**LR**
14SCN P III	11	LD11-10797	17	**5**	**HR**	44	**33**	**MR**
14SCN P III	12	LD11-10930	29	**8**	**HR**	54	**41**	**LR**
14SCN P III	13	LD11-2170	28	**8**	**HR**	69	**52**	**LR**
14SCN P III	14	LD11-2195	17	**5**	**HR**	54	**41**	**LR**
14SCN P III	15	LD11-2253	20	**5**	**HR**	41	**31**	**MR**
14SCN P III	16	LD11-5164a	90	**25**	**R**	79	**59**	**LR**
14SCN P III	17	LD11-7178	27	**8**	**HR**	38	**29**	**MR**
14SCN P III	18	LD11-7183	20	**6**	**HR**	25	**19**	**R**
14SCN P III	19	LD11-7226	38	**10**	**R**	47	**35**	**MR**
14SCN P III	20	LD11-7343	23	**6**	**HR**	34	**25**	**MR**
14SCN U IV	1	LD06-7620	29	**8**	**HR**	53	**40**	**LR**
14SCN U IV	3	LD00- 2817P	0	**0**	**HR**	4	**3**	**HR**
14SCN U IV	4	AR13-331019	0	**0**	**HR**	3	**2**	**HR**
14SCN U IV	5	K11-1868	31	**9**	**HR**	45	**34**	**MR**
14SCN U IV	6	K11-2363	32	**9**	**HR**	49	**37**	**MR**
14SCN U IV	7	K11-2371	34	**9**	**HR**	36	**27**	**MR**
14SCN U IV	8	LD07-3395bf	1	**0**	**HR**	6	**5**	**HR**
14SCN U IV	9	LD11-2009	19	**5**	**HR**	44	**33**	**MR**
14SCN U IV	10	LD11-3920	2	**0**	**HR**	5	**4**	**HR**
14SCN U IV	11	LD11-7311	22	**6**	**HR**	21	**16**	**R**
14SCN U IV	12	LD11-10310	36	**10**	**R**	28	**21**	**R**
14SCN U IV	13	LD11-10649	63	**18**	**R**	62	**47**	**LR**
14SCN U IV	14	LD11-11013	132	**37**	******	91	**68**	**NR**
14SCN U IV	15	LS07-2935	18	**5**	**HR**	36	**27**	**MR**
14SCN U IV	16	LS07-3125	42	**12**	**R**	47	**35**	**MR**
14SCN U IV	17	LS07-3131	32	**9**	**HR**	33	**25**	**MR**
14SCN U IV	18	LS08-5515	36	**10**	**R**	32	**24**	**R**
14SCN U IV	19	LS08-5837	20	**6**	**HR**	22	**16**	**R**
14SCN U IV	20	LS09-1527	11	**3**	**HR**	37	**28**	**MR**
14SCN U IV	21	LS09-1803	34	**9**	**HR**	29	**22**	**R**
14SCN U IV	22	LS09-2342	126	**35**	******	42	**32**	**MR**
14SCN U IV	23	LS09-2655	65	**18**	**R**	21	**16**	**R**
14SCN U IV	24	LS09-2722	27	**7**	**HR**	24	**18**	**R**
14SCN U IV	25	SA10-11227	133	**37**	**MR**	56	**42**	**LR**

2014 SCN UNIFORM TEST 00

	Strain	Descriptive code	Parentage
1	MN0071 (00)	PTbr	Harmony x OT92-8
2	Cavalier	P+WTy	Sargent x ND96-1006
3	MN0095	PGibl	M92-270029 x M93-313135
4	MN0208CN	WTy	MN0902CN X MN0201
5	M08-357081	PTy	M02-383122 x IA1022
6	M08-359053	PTy	M02-391112 x MN1701CN
7	M08-359176	WTy	M02-391112 x MN1701CN
8	M08-362045	P+WLtbl+gr	MN0606CN x U03-100612
9	M08-427030	P+WGbf	MN0504 x ND04-11603
10	ND10-2993	WGbf	ND04-11329 x ND03-7566
11	ND10-4423	PGy	ND03-7566 x [ND03-5441 x LaMoure BC2]

	Strain	Previous testing	Gen comp	SCN res source	Traits
1	MN0071 (00)	New	F5	none	Rps1
2	Cavalier	New	F4	none	Rps6
3	MN0095	New	F5	none	Rps1
4	MN0208CN	New	F5	PI 88788	Rps1a
5	M08-357081	New	F5	PI 88788	
6	M08-359053	New	F5	PI 88788, 209332	
7	M08-359176	New	F5	PI 88788, 209332	
8	M08-362045	New	F5	PI 88788, Peking	
9	M08-427030	New	F5	PI 88788	
10	ND10-2993	13 SCN P 0	F4	PI 88788	Rps6
11	ND10-4423	13 SCN P 0	F4	PI 88788	Rps6

2014 SCN UNIFORM TEST 00

	IL SCN screen				MN IDC
	HG Type 0		HG Type 2.5.7		Danvers
Strain	FI	rating	FI	rating	score
1 MN0071 (00)	61	NR	122	NR	1.9
2 Cavalier	81	NR	107	NR	1.9
3 MN0095	63	NR	69	NR	1.9
4 MN0208CN	18	R	36	MR	1.8
5 M08-357081	57	LR	122	NR	2.8
6 M08-359053	33	**	67	NR	2.2
7 M08-359176	9	HR	46	LR	2.1
8 M08-362045	2	HR	19	R	1.8
9 M08-427030	80	NR	90	NR	2.2
10 ND10-2993	17	R	65	NR	2.3
11 ND10-4423	56	LR	79	NR	1.9

2014 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	3		2		1	3	3	1	2	2	2	2	2
1	MN0071 (00)	**32.9**	**11**	27.3	11	44.3	11	9/11	1.0	25	1.7	14.9	34.8	16.9
2	Cavalier	**39.0**	**10**	32.8	10	51.6	7	2	1.0	25	1.0	17.7	34.4	16.4
3	MN0095	**45.9**	**4**	39.6	8	58.6	5	3	1.3	25	1.9	13.6	33.7	16.6
4	MN0208CN	**43.5**	**8**	40.1	6	50.4	10	6	1.7	29	1.5	14.4	35.7	17.0
5	M08-357081	**49.2**	**2**	43.6	2	60.7	3	11	2.7	27	2.0	16.7	35.9	16.0
6	M08-359053	**44.1**	**7**	40.8	4	50.5	9	8	3.3	28	2.0	16.6	34.7	16.7
7	M08-359176	**44.4**	**6**	39.9	7	53.6	6	6	1.3	26	2.0	15.8	36.7	16.1
8	M08-362045	**51.1**	**1**	44.7	1	64.0	1	16	2.3	28	1.9	16.3	34.9	16.6
9	M08-427030	**47.2**	**3**	40.3	5	61.0	2	14	3.0	31	1.5	15.0	34.2	16.8
10	ND10-2993	**44.8**	**5**	41.5	3	51.6	8	4	1.0	24	2.0	13.8	33.8	17.2
11	ND10-4423	**43.4**	**9**	35.4	9	59.4	4	7	1.3	27	1.5	15.3	34.0	16.9
	Mean	**44.2**		38.7		55.1		7.7	1.8	26.4				
	LSD(.05)	**5.2**		6.5		7.5		2.3	1.1	3.8				
	C.V. %	**12.6**		14.5		5.8		17.0	34.3	12.3				

2014 SCN UNIFORM TEST 00

Yield (bu/a)

		Gary MN	Wyndmere ND	Ottawa ON
	SCN HG Type	7	2.5.7	NI
	Strain			
1	MN0071 (00)	14.5	40.0	44.3
2	Cavalier	14.9	50.6	51.6
3	MN0095	17.8	61.4	58.6
4	MN0208CN	23.5	56.6	50.4
5	M08-357081	20.1	67.0	60.7
6	M08-359053	18.5	63.1	50.5
7	M08-359176	16.7	63.0	53.6
8	M08-362045	20.2	69.2	64.0
9	M08-427030	19.8	60.8	61.0
10	ND10-2993	21.9	61.0	51.6
11	ND10-4423	16.9	53.9	59.4
	Average	18.6	58.8	55.1
	LSD(.05)	5.0	8.0	7.5
	C.V. %	16.6	8.4	5.8
	Replications	3	3	3
	Row width (in.)	30	30	8.5

Yield (rank)

		Gary MN	Wyndmere ND	Ottawa ON
	SCN HG Type	7	2.5.7	NI
	Strain			
1	MN0071 (00)	11	11	11
2	Cavalier	10	10	7
3	MN0095	7	5	5
4	MN0208CN	1	8	10
5	M08-357081	4	2	3
6	M08-359053	6	3	9
7	M08-359176	9	4	6
8	M08-362045	3	1	1
9	M08-427030	5	7	2
10	ND10-2993	2	6	8
11	ND10-4423	8	9	4

2014 SCN UNIFORM TEST 00

Maturity

		Gary	Wyndmere	Ottawa
		MN	ND	ON
	SCN HG Type	7	2.5.7	NI
	Strain			
1	MN0071 (00)	9/20	9/10	9/03
2	Cavalier	-2	3	4
3	MN0095	-2	5	7
4	MN0208CN	5	7	7
5	M08-357081	11	11	11
6	M08-359053	3	14	8
7	M08-359176	3	6	8
8	M08-362045	11	17	19
9	M08-427030	9	16	16
10	ND10-2993	3	4	6
11	ND10-4423	5	0	17
	Planted	6/14	5/30	5/21

Lodging (score)

		Gary	Wyndmere	Ottawa
		MN	ND	ON
	SCN HG Type	7	2.5.7	NI
	Strain			
1	MN0071 (00)			1.0
2	Cavalier			1.0
3	MN0095			1.3
4	MN0208CN			1.7
5	M08-357081			2.7
6	M08-359053			3.3
7	M08-359176			1.3
8	M08-362045			2.3
9	M08-427030			3.0
10	ND10-2993			1.0
11	ND10-4423			1.3

2014 SCN UNIFORM TEST 00

Height (inches)

		Gary	Wyndmere	Ottawa
		MN	ND	ON
	SCN HG Type	7	2.5.7	NI
	Strain			
1	MN0071 (00)	18		31
2	Cavalier	17		32
3	MN0095	16		33
4	MN0208CN	22		35
5	M08-357081	22		31
6	M08-359053	19		36
7	M08-359176	17		35
8	M08-362045	23		32
9	M08-427030	23		39
10	ND10-2993	19		29
11	ND10-4423	19		35

Seed Quality (score)

		Gary	Wyndmere	Ottawa
		MN	ND	ON
	SCN HG Type	7	2.5.7	NI
	Strain			
1	MN0071 (00)	2.0		1.3
2	Cavalier	1.0		1.0
3	MN0095	2.0		1.7
4	MN0208CN	1.0		2.0
5	M08-357081	2.0		2.0
6	M08-359053	2.0		2.0
7	M08-359176	2.0		2.0
8	M08-362045	2.0		1.7
9	M08-427030	1.0		2.0
10	ND10-2993	2.0		2.0
11	ND10-4423	1.0		2.0

2014 SCN UNIFORM TEST 00

Seed Weight (g/100)

		Gary MN	Wyndmere ND	Ottawa ON
	SCN HG Type	7	2.5.7	NI
	Strain			
1	MN0071 (00)	12.8		17.0
2	Cavalier	14.6		20.8
3	MN0095	11.6		15.6
4	MN0208CN	12.2		16.6
5	M08-357081	13.6		19.8
6	M08-359053	14.0		19.1
7	M08-359176	13.8		17.8
8	M08-362045	13.4		19.2
9	M08-427030	12.4		17.5
10	ND10-2993	11.5		16.0
11	ND10-4423	12.5		18.0

2014 SCN UNIFORM TEST 00

Protein (%)

		Gary MN	Wyndmere ND	Ottawa ON
	SCN HG Type	7	2.5.7	NI
	Strain			
1	MN0071 (00)	36.6		33.0
2	Cavalier	34.2		34.6
3	MN0095	35.1		32.2
4	MN0208CN	35.7		35.7
5	M08-357081	35.8		35.9
6	M08-359053	34.1		35.3
7	M08-359176	35.7		37.7
8	M08-362045	35.4		34.4
9	M08-427030	35.0		33.4
10	ND10-2993	34.4		33.1
11	ND10-4423	33.5		34.4
1	MN0071 (00)	36.6		33.0

Oil (%)

		Gary MN	Wyndmere ND	Ottawa ON
	SCN HG Type	7	2.5.7	NI
	Strain			
1	MN0071 (00)	16.1		17.7
2	Cavalier	16.6		16.3
3	MN0095	16.0		17.1
4	MN0208CN	15.9		18.2
5	M08-357081	15.9		16.1
6	M08-359053	17.2		16.1
7	M08-359176	15.9		16.2
8	M08-362045	16.0		17.2
9	M08-427030	16.6		16.9
10	ND10-2993	16.6		17.9
11	ND10-4423	16.8		17.0

2014 SCN UNIFORM TEST 0

	Strain	Descriptive code	Parentage	Previous testing	Gen. Comp.	SCN res source	Traits
1	Sheyenne	PGy	Pioneer 9071 x A96-492041	6	F4	none	Rsp1-c
2	MN1410	WGbf	Unknown	9	F5	none	
3	Surge	PGibl	A86-204022 x Kato	10	F5	none	
4	MN0095	PGibl	M92-270029 x M93-313135	4	F5	none	Rps1
5	MN0606CN	WTy	MN0901 x MN0902CN	9	F4	PI 88788	
6	M05-353163	PTbr	MN0902CN x M99-286047	3	F5	PI 88788	
7	M05-363022	P+WGy	IA1008 x MN1011CN	3	F5	PI 88788	
8	M06-288033	PGbf	M00-365137 x M99-286050	2	F5	PI 88788	
9	M06-289237	WGy	M00-351195 x M00-365181	2	F5	PI 88788	Protein
10	M06-289273	WGy	M00-351195 x M00-365181	13 SCN U I	F5	PI 88788	
11	M07-292111	WTgr	M01-315029 x MN1106CN	13 SCN P 0	F5	PI 88788	
12	M07-296048	PTy	M01-314114 x MN1011CN	13 SCN P 0	F5	PI 88788	
13	M07-297083	WT+Gbr+y	MN0902CN x LD02-5320	13 SCN P 0	F5	PI 88788	
14	M07-298022	PTy	M00-116161 x MN1806SP	13 SCN P 0	F5	PI 88788	Protein
15	M08-151025	WGy	M00-116161 x M99-286047	13 SCN P 0	F5	PI 88788	
16	ND10-2522	WGbf	ND03-7566 x ND03-5441	13 SCN P 0	F4	PI 88788	Rps6
17	ND10-2763	WGy	Sheyenne x ND03-5441	13 SCN P 0	F4	PI 88788	Rps6
18	ND10-2993	WGbf	ND03-7566 x [ND03-5441 x LaMoure]	13 UT 00	F4	PI 88788	Rps6
19	ND10-3413	WGbf	ND03-7566 x [ND03-5441 x LaMoure]	13 UPT 0	F4	PI 88788	Rps6
20	ND10-3459	WGbf	ND03-7566 x [ND03-5441 x LaMoure]	13 UT 00	F4	PI 88788	Rps6
21	ND10-3460	WGbf	ND03-7566 x [ND03-5441 x LaMoure]	13 SCN P 0	F4	PI 88788	Rps6
22	ND10-3464	WGbf	ND03-7566 x [ND03-5441 x LaMoure]	13 SCN P 0	F4	PI 88788	Rps6
23	ND10-3473	WGbf	ND03-7566 x [ND03-5441 x LaMoure]	13 SCN P 0	F4	PI 88788	Rps6
24	ND10-3482	WGbf	ND03-7566 x [ND03-5441 x LaMoure]	13 SCN P 0	F4	PI 88788	Rps6
25	ND10-3495	WGbf	ND03-7566 x [ND03-5441 x LaMoure]	13 SCN P 0	F4	PI 88788	Rps6
26	ND10-3600	WGbf	ND03-7566 x [ND03-5441 x LaMoure]	13 SCN P 0	F4	PI 88788	Rps6

2014 SCN UNIFORM TEST 0

	IL SCN screen				MN IDC
	HG Type 0		HG Type 2.5.7		Danvers
Strain	FI	rating	score	rating	score
1 Sheyenne	78	NR	104	NR	2.1
2 MN1410	76	NR	101	NR	2.2
3 Surge	81	NR	87	NR	2.1
4 MN0095	63	NR	69	NR	2.0
5 MN0606CN	3	HR	22	R	2.3
6 M05-353163	5	HR	24	R	2.3
7 M05-363022	4	HR	22	R	1.9
8 M06-288033	25	**	33	MR	2.1
9 M06-289237	2	HR	30	MR	2.2
10 M06-289273	2	HR	23	R	2.1
11 M07-292111	2	HR	25	MR	2.0
12 M07-296048	4	HR	29	MR	2.3
13 M07-297083	4	HR	19	R	2.3
14 M07-298022	3	HR	25	MR	1.9
15 M08-151025	3	HR	30	MR	2.4
16 ND10-2522	11	R	42	LR	2.2
17 ND10-2763	11	R	49	LR	2.3
18 ND10-2993	10	R	39	MR	2.2
19 ND10-3413	9	HR	35	MR	2.2
20 ND10-3459	6	HR	40	LR	2.7
21 ND10-3460	6	HR	37	MR	2.5
22 ND10-3464	6	HR	32	MR	2.3
23 ND10-3473	3	HR	31	MR	2.0
24 ND10-3482	6	HR	30	MR	2.2
25 ND10-3495	5	HR	36	MR	1.9
26 ND10-3600	3	HR	32	MR	2.3

**too variable to rate

2014 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	6	5	6	6	6	6
1	Sheyenne	**43.0**	**7**	41.1	16	45.5	3	9/25	1.3	28	2.2	16.8	34.7	17.1
2	MN1410	**43.9**	**3**	41.7	14	46.7	1	8	1.4	33	1.6	16.7	35.1	17.4
3	Surge	**34.5**	**26**	34.7	25	34.3	23	3	1.1	26	2.0	19.7	36.1	17.1
4	MN0095	**35.7**	**25**	34.5	26	37.3	19	-8	1.3	24	1.7	14.0	34.9	18.0
5	MN0606CN	**38.9**	**19**	37.8	23	40.3	10	1	1.4	27	1.9	15.8	35.6	17.4
6	M05-353163	**43.7**	**4**	42.3	9	45.6	2	-1	1.6	32	1.9	16.3	36.8	16.5
7	M05-363022	**44.2**	**2**	43.8	5	44.7	5	-1	1.3	28	1.4	17.3	34.9	17.2
8	M06-288033	**39.7**	**17**	37.4	24	42.7	6	5	1.7	27	1.7	15.9	34.9	17.1
9	M06-289237	**42.8**	**9**	43.5	7	41.8	8	3	1.7	29	1.3	14.5	37.4	16.7
10	M06-289273	**43.4**	**6**	46.4	2	39.4	11	3	1.5	29	1.3	15.9	35.9	17.1
11	M07-292111	**40.9**	**13**	42.1	12	39.3	12	-4	1.4	26	1.8	14.5	36.7	17.5
12	M07-296048	**42.9**	**8**	43.4	8	42.1	7	0	2.0	29	1.5	16.4	34.9	16.9
13	M07-297083	**39.8**	**16**	41.0	18	38.0	17	3	2.1	28	1.7	15.1	36.4	17.0
14	M07-298022	**39.9**	**15**	41.1	16	38.3	16	-3	1.6	26	1.8	18.3	37.7	17.0
15	M08-151025	**43.7**	**4**	42.3	10	45.4	4	3	1.5	27	1.3	15.8	35.1	16.5
16	ND10-2522	**37.0**	**24**	40.3	20	32.7	26	-5	1.3	22	2.2	14.6	35.0	17.7
17	ND10-2763	**37.9**	**22**	38.3	22	37.4	18	-5	1.2	24	1.8	15.1	34.5	17.8
18	ND10-2993	**39.5**	**18**	42.3	10	35.8	22	-3	1.0	25	2.3	15.8	35.7	17.5
19	ND10-3413	**37.6**	**23**	40.8	19	33.2	25	-3	1.2	24	2.0	15.6	35.8	17.6
20	ND10-3459	**38.7**	**20**	42.1	13	34.0	24	-5	1.2	25	2.2	15.4	36.3	17.4
21	ND10-3460	**40.4**	**14**	41.6	15	38.7	13	-4	1.0	25	2.0	15.5	36.1	17.5
22	ND10-3464	**44.4**	**1**	46.9	1	40.9	9	-2	1.2	27	1.9	15.7	35.5	17.0
23	ND10-3473	**42.6**	**10**	45.5	3	38.6	15	-2	1.2	27	2.0	15.3	35.4	17.2
24	ND10-3482	**41.5**	**11**	43.6	6	38.6	14	-2	1.1	28	2.1	15.9	35.6	16.9
25	ND10-3495	**41.4**	**12**	44.6	4	37.1	20	-2	1.2	25	2.4	16.2	36.0	17.0
26	ND10-3600	**38.4**	**21**	39.8	21	36.6	21	-1	1.3	25	2.4	15.7	35.9	17.0
	Mean	**40.6**		41.5		39.4		-1.0	1.4	26.6				
	LSD(.05)	**3.2**		3.9		5.6		1.7	0.2	2.1				
	C.V. %	**13.1**		11.5		15.2		11.4	23.9	10.9				

2014 SCN UNIFORM TEST 0

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	13		6		7		12	12	10	12	12	12	12
1	Sheyenne	**43.4**	**4**	40.3	4	46.1	3	924	1.4	29	2.2	16.4	35.0	17.4
2	MN1410	**45.2**	**1**	39.7	6	50.0	1	6	1.8	32	1.6	17.2	35.5	17.8
3	Surge	**38.8**	**8**	35.1	8	42.1	7	2	1.4	27	1.9	19.6	36.0	18.0
4	MN0095	**36.1**	**9**	33.8	9	38.0	9	-9	1.5	25	1.8	13.9	35.1	18.3
5	MN0606CN	**41.5**	**7**	39.1	7	43.5	6	1	1.7	28	2.0	15.7	35.5	17.9
6	M05-353163	**44.0**	**3**	42.6	2	45.3	4	-2	1.8	33	2.0	15.9	36.7	17.0
7	M05-363022	**44.3**	**2**	41.2	3	47.0	2	-1	1.5	29	1.9	17.5	35.2	17.9
8	M06-288033	**42.7**	**5**	40.3	5	44.7	5	3	1.9	27	1.8	15.7	35.0	17.7
9	M06-289237	**42.2**	**6**	42.7	1	41.7	8	2	1.8	30	1.6	14.7	37.1	17.1

2014 SCN UNIFORM TEST 0

Yield (bu/a)

		Danvers	Fairfax	Rosemount	Wyndmere	Ottawa	St. Pauls	Woodstock
		MN	MN	MN	ND	ON	ON	ON
	SCN HG Type	I	2.5.7	2.5.7	2.5.7	NI	NI	NI
	Strain							
1	Sheyenne	25.2	43.5	30.5	64.7	57.7	40.9	34.7
2	MN1410	32.1	39.1	32.6	62.4	58.5	42.7	37.9
3	Surge	24.3	30.8	26.3	56.8	44.0	25.8	33.1
4	MN0095	26.2	34.5	21.9	55.1	49.3	33.7	27.7
5	MN0606CN	24.2	31.7	29.7	65.1	48.4	40.4	33.6
6	M05-353163	31.7	36.6	32.8	67.5	49.7	49.6	37.7
7	M05-363022	31.7	41.3	35.7	66.2	54.2	45.3	33.2
8	M06-288033	24.1	31.2	38.8	64.9	54.1	39.8	32.4
9	M06-289237	26.6	51.4	37.5	58.0	55.5	35.0	33.6
10	M06-289273	33.0	50.0	36.5	65.6	55.3	36.1	28.5
11	M07-292111	23.7	50.2	32.3	61.8	52.8	39.8	26.3
12	M07-296048	32.7	45.9	34.8	59.6	55.2	37.2	34.0
13	M07-297083	31.2	43.0	32.1	57.2	47.1	34.6	36.7
14	M07-298022	23.5	48.4	29.0	63.1	51.9	34.1	30.3
15	M08-151025	26.7	48.2	31.4	62.4	50.3	34.1	35.2
16	ND10-2522	24.7	43.2	28.9	63.9	47.5	31.0	20.0
17	ND10-2763	24.8	42.0	30.3	55.5	47.2	33.8	31.1
18	ND10-2993	35.3	41.1	25.4	66.9	46.4	32.5	29.3
19	ND10-3413	30.1	45.2	25.8	61.7	48.8	25.4	26.9
20	ND10-3459	35.7	42.5	28.6	61.1	42.4	33.1	28.3
21	ND10-3460	27.6	39.5	29.1	69.6	49.5	35.7	32.2
22	ND10-3464	35.8	51.2	34.8	65.3	50.9	35.0	32.8
23	ND10-3473	35.0	48.8	33.3	64.3	50.1	37.0	32.1
24	ND10-3482	31.5	47.1	30.9	64.6	49.7	37.8	28.8
25	ND10-3495	31.1	51.0	28.3	67.6	48.0	33.5	31.7
26	ND10-3600	28.4	47.4	26.9	55.8	47.6	33.8	29.0
	Average	29.1	43.3	30.9	62.6	50.5	36.1	31.4
	LSD(.05)	6.6	8.7	6.0	7.3	7.9	9.0	7.0
	C.V. %	13.9	9.7	11.6	7.2	5.5	10.4	12.4
	Replications	3	2	3	3	3	2	3
	Row width (in.)	30	30	30	30	8.5	14	14

2014 SCN UNIFORM TEST 0

Yield (rank)

		Danvers	Fairfax	Rosemount	Wyndmere	Ottawa	St. Pauls	Woodstock
		MN	MN	MN	ND	ON	ON	ON
	SCN HG Type	I	2.5.7	2.5.7	2.5.7	NI	NI	NI
	Strain							
1	Sheyenne	19	13	14	10	2	4	5
2	MN1410	7	21	9	15	1	3	1
3	Surge	22	26	23	23	25	25	10
4	MN0095	18	23	26	26	16	20	23
5	MN0606CN	23	24	16	8	18	5	7
6	M05-353163	8	22	8	3	14	1	2
7	M05-363022	8	18	4	5	6	2	9
8	M06-288033	24	25	1	9	7	6	12
9	M06-289237	17	1	2	21	3	13	7
10	M06-289273	5	5	3	6	4	11	21
11	M07-292111	25	4	10	17	8	6	25
12	M07-296048	6	11	5	20	5	9	6
13	M07-297083	11	15	11	22	23	15	3
14	M07-298022	26	7	18	14	9	16	17
15	M08-151025	16	8	12	15	11	16	4
16	ND10-2522	21	14	19	13	21	24	26
17	ND10-2763	20	17	15	25	22	18	16
18	ND10-2993	3	19	25	4	24	23	17
19	ND10-3413	13	12	24	17	17	26	24
20	ND10-3459	2	16	20	19	26	22	22
21	ND10-3460	15	20	17	1	15	12	13
22	ND10-3464	1	2	5	7	10	13	11
23	ND10-3473	4	6	7	12	12	10	14
24	ND10-3482	10	10	13	11	13	8	20
25	ND10-3495	12	3	21	2	19	21	15
26	ND10-3600	14	9	22	24	20	18	19

2014 SCN UNIFORM TEST 0

Maturity

		Danvers	Fairfax	Rosemount	Wyndmere	Ottawa	St. Pauls	Woodstock
		MN	MN	MN	ND	ON	ON	ON
	SCN HG Type	I	2.5.7	2.5.7	2.5.7	NI	NI	NI
	Strain							
1	Sheyenne	9/24	9/18	9/19	9/27	9/26	9/25	10/5
2	MN1410	8	8	10	3	3	15	6
3	Surge	4	8	8	0	3	4	-3
4	MN0095	-14	-2	-5	-13	-10	0	-11
5	MN0606CN	-2	2	6	-3	1	9	-7
6	M05-353163	4	0	1	-3	-2	2	-9
7	M05-363022	0	0	2	-5	0	3	-8
8	M06-288033	6	6	10	-3	3	8	4
9	M06-289237	4	2	2	-1	2	10	2
10	M06-289273	4	2	6	-1	0	7	2
11	M07-292111	0	-2	2	-9	-5	-1	-10
12	M07-296048	5	0	0	-2	-1	3	-8
13	M07-297083	2	6	3	0	0	9	0
14	M07-298022	-2	0	-4	-4	-3	2	-9
15	M08-151025	2	2	1	-1	3	14	2
16	ND10-2522	-9	-2	-5	-11	-4	-1	-6
17	ND10-2763	-8	-2	-4	-9	-4	-1	-8
18	ND10-2993	-8	0	-5	-5	-4	6	-4
19	ND10-3413	-8	0	-5	-6	-5	9	-5
20	ND10-3459	-10	0	-6	-10	-5	3	-8
21	ND10-3460	-6	0	-6	-7	-5	3	-9
22	ND10-3464	2	0	-6	-9	-4	4	-4
23	ND10-3473	2	0	-5	-10	-4	8	-7
24	ND10-3482	-1	0	-5	-4	-4	0	-2
25	ND10-3495	-2	0	-5	-8	-4	3	-1
26	ND10-3600	2	0	-4	-7	-4	6	2
	Planted	5/22	5/30	6/6	5/30	5/20	5/28	6/5

2014 SCN UNIFORM TEST 0

Lodging (score)

		Danvers	Fairfax	Rosemount	Wyndmere	Ottawa	St. Pauls	Woodstock
		MN	MN	MN	ND	ON	ON	ON
	SCN HG Type	I	2.5.7	2.5.7	2.5.7	NI	NI	NI
	Strain							
1	Sheyenne	1.0	1.0	2.0		1.7	1.0	1.1
2	MN1410	1.0	1.0	2.0		1.0	2.0	1.5
3	Surge	1.0	1.0	1.0		1.0	1.0	1.3
4	MN0095	1.0	1.0	1.0		1.0	2.0	1.5
5	MN0606CN	1.0	1.0	2.0		2.0	1.0	1.5
6	M05-353163	1.0	1.0	2.0		2.3	1.5	1.7
7	M05-363022	1.0	1.0	2.0		1.0	1.5	1.0
8	M06-288033	1.0	1.0	2.0		3.0	1.5	1.8
9	M06-289237	1.0	1.0	2.0		3.3	1.5	1.7
10	M06-289273	1.0	1.0	2.0		1.7	1.5	1.5
11	M07-292111	1.0	2.0	2.0		1.0	1.0	1.3
12	M07-296048	1.0	3.0	2.0		2.7	2.0	1.5
13	M07-297083	2.0	3.0	2.0		2.3	1.5	1.7
14	M07-298022	1.0	2.0	2.0		2.0	1.5	1.4
15	M08-151025	1.0	2.0	2.0		1.7	1.0	1.0
16	ND10-2522	1.7	1.0	2.0		1.3	1.0	1.0
17	ND10-2763	1.0	1.0	2.0		1.0	1.0	1.1
18	ND10-2993	1.0	1.0	1.0		1.0	1.0	1.2
19	ND10-3413	1.0	1.0	2.0		1.0	1.0	1.0
20	ND10-3459	1.0	1.0	2.0		1.0	1.0	1.2
21	ND10-3460	1.0	1.0	1.0		1.0	1.0	1.1
22	ND10-3464	1.0	1.0	1.0		1.0	1.5	1.5
23	ND10-3473	1.0	1.0	2.0		1.0	1.0	1.2
24	ND10-3482	1.0	1.0	1.0		1.3	1.0	1.5
25	ND10-3495	2.0	1.0	1.0		1.0	1.0	1.0
26	ND10-3600	1.0	2.0	1.0		1.0	1.5	1.0

2014 SCN UNIFORM TEST 0

Height (inches)

		Danvers	Fairfax	Rosemount	Wyndmere	Ottawa	St. Pauls	Woodstock
		MN	MN	MN	ND	ON	ON	ON
	SCN HG Type	I	2.5.7	2.5.7	2.5.7	NI	NI	NI
	Strain							
1	Sheyenne	20		24		36	30	31
2	MN1410	27		28		37	35	37
3	Surge	17		23		31	28	31
4	MN0095	14		19		31	28	29
5	MN0606CN	20		22		35	29	30
6	M05-353163	22		27		38	35	37
7	M05-363022	22		24		31	30	31
8	M06-288033	18		24		31	31	31
9	M06-289237	22		27		35	29	33
10	M06-289273	23		27		35	29	32
11	M07-292111	15		23		34	28	29
12	M07-296048	23		22		35	32	34
13	M07-297083	22		23		35	28	33
14	M07-298022	18		22		33	27	32
15	M08-151025	21		23		32	29	31
16	ND10-2522	14		18		30	25	25
17	ND10-2763	16		22		31	24	29
18	ND10-2993	18		19		29	29	28
19	ND10-3413	17		19		31	25	27
20	ND10-3459	20		18		31	26	28
21	ND10-3460	15		20		31	26	31
22	ND10-3464	22		21		33	31	29
23	ND10-3473	22		21		32	29	29
24	ND10-3482	24		22		33	30	30
25	ND10-3495	18		21		31	27	27
26	ND10-3600	19		21		32	26	28

2014 SCN UNIFORM TEST 0

Seed Quality (score)

		Danvers	Fairfax	Rosemount	Wyndmere	Ottawa	St. Pauls	Woodstock
		MN	MN	MN	ND	ON	ON	ON
	SCN HG Type	I	2.5.7	2.5.7	2.5.7	NI	NI	NI
	Strain							
1	Sheyenne	4.0	2.0	1.0		2.0	1.5	2.5
2	MN1410	3.0	1.0	1.0		1.7	1.5	1.5
3	Surge	3.0	2.0	2.0		2.0	1.5	1.5
4	MN0095	2.0	1.0	2.0		2.0	1.5	1.5
5	MN0606CN	2.0	3.0	1.0		2.0	1.5	2.0
6	M05-353163	2.0	3.0	1.0		2.0	1.5	2.0
7	M05-363022	1.0	2.0	1.0		2.0	1.0	1.5
8	M06-288033	2.0	2.0	1.0		1.7	1.5	2.0
9	M06-289237	1.0	1.0	1.0		2.0	1.5	1.5
10	M06-289273	1.0	1.0	1.0		2.0	1.5	1.5
11	M07-292111	2.0	3.0	1.0		1.3	1.5	2.0
12	M07-296048	2.0	1.0	1.0		2.0	1.5	1.5
13	M07-297083	1.0	2.0	2.0		1.7	2.0	1.5
14	M07-298022	2.0	2.0	1.0		2.0	1.5	2.0
15	M08-151025	1.0	1.0	1.0		2.0	1.5	1.5
16	ND10-2522	2.0	3.0	2.0		2.0	1.5	2.5
17	ND10-2763	1.0	2.0	2.0		2.0	1.5	2.0
18	ND10-2993	2.0	4.0	2.0		2.0	1.5	2.5
19	ND10-3413	2.0	4.0	1.0		2.0	1.5	1.5
20	ND10-3459	2.0	4.0	2.0		2.0	1.5	1.5
21	ND10-3460	1.0	4.0	2.0		2.0	1.5	1.5
22	ND10-3464	2.0	2.0	1.0		2.0	1.5	3.0
23	ND10-3473	3.0	2.0	1.0		2.0	2.0	2.0
24	ND10-3482	3.0	2.0	1.0		2.0	2.0	2.5
25	ND10-3495	3.0	3.0	2.0		2.0	2.0	2.5
26	ND10-3600	2.0	4.0	2.0		2.0	2.0	2.5

2014 SCN UNIFORM TEST 0

Seed Weight (g/100)

		Danvers	Fairfax	Rosemount	Wyndmere	Ottawa	St. Pauls	Woodstock
		MN	MN	MN	ND	ON	ON	ON
	SCN HG Type	I	2.5.7	2.5.7	2.5.7	NI	NI	NI
	Strain							
1	Sheyenne	16.2	16.1	13.6		19.6	16.8	18.5
2	MN1410	14.8	16.0	14.7		20.7	17.9	16.3
3	Surge	16.8	20.0	17.4		23.0	22.3	18.9
4	MN0095	12.9	13.6	12.4		15.4	15.2	14.3
5	MN0606CN	13.1	17.6	13.8		18.3	16.3	15.9
6	M05-353163	14.7	16.9	14.2		17.9	18.3	15.9
7	M05-363022	14.7	17.6	15.9		19.9	18.8	17.0
8	M06-288033	13.6	15.3	14.0		18.1	17.9	16.5
9	M06-289237	13.4	14.5	13.0		16.1	15.7	14.2
10	M06-289273	13.4	14.4	13.1		19.9	17.7	16.7
11	M07-292111	12.4	14.3	13.2		16.7	15.7	14.7
12	M07-296048	14.9	16.5	13.9		19.1	18.2	15.7
13	M07-297083	13.2	15.5	12.9		17.1	16.9	15.0
14	M07-298022	15.3	18.5	16.6		21.4	20.1	17.8
15	M08-151025	12.6	15.4	14.6		18.6	16.9	16.7
16	ND10-2522	13.1	15.1	13.6		16.3	14.4	15.0
17	ND10-2763	13.0	15.0	14.2		17.0	16.3	15.3
18	ND10-2993	14.7	17.0	13.7		17.6	16.0	15.8
19	ND10-3413	14.1	16.6	14.3		17.2	15.7	15.8
20	ND10-3459	14.5	16.8	14.5		16.6	15.4	14.6
21	ND10-3460	14.1	16.8	14.5		17.4	15.7	14.5
22	ND10-3464	15.1	15.7	14.1		17.3	16.4	15.7
23	ND10-3473	15.0	15.7	14.4		17.0	14.9	14.6
24	ND10-3482	16.1	15.9	14.2		17.1	16.6	15.7
25	ND10-3495	16.7	16.3	14.8		18.2	16.2	15.2
26	ND10-3600	14.3	16.2	15.0		16.9	16.4	15.2

2014 SCN UNIFORM TEST 0

Protein (%)

		Danvers	Fairfax	Rosemount	Wyndmere	Ottawa	St. Pauls	Woodstock
		MN	MN	MN	ND	ON	ON	ON
	SCN HG Type	I	2.5.7	2.5.7	2.5.7	NI	NI	NI
	Strain							
1	Sheyenne	34.9	33.6	30.7		36.3	36.3	36.5
2	MN1410	34.8	33.7	32.3		36.8	36.6	36.5
3	Surge	34.5	34.0	34.4		38.1	37.8	37.8
4	MN0095	35.9	32.9	32.3		35.3	37.2	35.9
5	MN0606CN	34.0	35.2	34.2		37.6	37.1	35.5
6	M05-353163	34.5	36.6	32.9		41.0	38.5	37.5
7	M05-363022	33.8	35.6	32.4		36.2	36.8	34.5
8	M06-288033	32.5	33.6	32.9		37.5	37.1	36.0
9	M06-289237	35.9	38.1	35.1		39.8	37.8	37.8
10	M06-289273	35.8	36.4	33.3		36.2	36.9	36.6
11	M07-292111	35.5	37.1	34.5		38.7	37.3	37.0
12	M07-296048	33.9	34.2	33.1		37.4	37.0	33.8
13	M07-297083	33.8	37.4	34.2		39.5	37.1	36.4
14	M07-298022	37.1	37.2	35.7		39.3	39.1	37.7
15	M08-151025	35.3	33.0	31.2		38.6	36.8	35.8
16	ND10-2522	33.8	35.1	34.6		35.4	36.0	35.1
17	ND10-2763	33.7	34.3	35.2		33.6	35.8	34.5
18	ND10-2993	35.0	36.0	34.3		35.9	36.6	36.4
19	ND10-3413	34.4	36.4	35.7		36.7	36.4	35.1
20	ND10-3459	35.5	37.0	35.3		37.9	36.8	35.6
21	ND10-3460	35.2	37.4	35.7		36.2	36.8	35.2
22	ND10-3464	34.1	34.4	34.5		37.9	37.0	35.1
23	ND10-3473	33.8	35.8	34.9		36.9	37.1	33.8
24	ND10-3482	34.3	35.4	34.3		37.0	36.7	35.9
25	ND10-3495	34.4	35.2	35.4		38.7	36.5	36.1
26	ND10-3600	34.9	36.8	34.9		36.0	37.1	35.8

2014 SCN UNIFORM TEST 0

Oil (%)

		Danvers	Fairfax	Rosemount	Wyndmere	Ottawa	St. Pauls	Woodstock
		MN	MN	MN	ND	ON	ON	ON
	SCN HG Type	I	2.5.7	2.5.7	2.5.7	NI	NI	NI
	Strain							
1	Sheyenne	16.5	17.1	18.0		17.0	17.1	16.7
2	MN1410	16.4	17.6	17.9		16.8	17.9	17.6
3	Surge	15.8	16.8	18.6		16.9	17.5	16.7
4	MN0095	18.2	18.7	18.9		17.2	17.5	17.7
5	MN0606CN	16.8	17.4	19.1		16.2	17.3	17.6
6	M05-353163	16.4	16.3	17.5		15.3	16.7	16.6
7	M05-363022	16.4	17.9	17.6		16.7	17.1	17.7
8	M06-288033	16.2	17.8	18.4		15.7	17.2	17.1
9	M06-289237	15.7	17.4	18.3		15.4	17.0	16.4
10	M06-289273	15.9	17.2	17.8		17.4	17.5	16.5
11	M07-292111	16.7	18.0	17.8		17.3	17.7	17.8
12	M07-296048	17.0	16.2	17.3		16.0	17.1	17.8
13	M07-297083	16.6	16.6	18.1		16.1	17.6	17.1
14	M07-298022	16.2	17.1	18.0		15.6	17.6	17.3
15	M08-151025	16.7	16.8	18.3		15.9	14.6	16.5
16	ND10-2522	16.9	18.3	18.4		17.6	17.6	17.3
17	ND10-2763	17.1	17.5	19.0		17.8	17.7	17.7
18	ND10-2993	17.1	17.6	18.6		16.9	17.4	17.1
19	ND10-3413	17.1	17.6	18.6		17.1	17.5	17.4
20	ND10-3459	17.4	17.2	18.5		17.0	17.3	17.2
21	ND10-3460	17.1	16.9	19.1		17.0	17.5	17.4
22	ND10-3464	17.3	16.7	17.9		16.0	17.2	17.1
23	ND10-3473	16.6	17.0	17.8		17.0	17.0	17.9
24	ND10-3482	16.3	17.3	17.5		16.5	17.4	16.6
25	ND10-3495	15.9	16.5	17.8		17.1	17.4	17.1
26	ND10-3600	15.7	17.7	17.4		17.1	17.1	16.9

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2014 SCN PRELIMINARY TEST 0

	Strain	Descriptive code	Parentage	Gen. Comp.	SCN res source	Traits
1	Sheyenne	PGy	Pioneer 9071 x A96-492041	F4	none	Rsp1-c
2	MN1410	WGbf	Unknown	F5	none	
3	Surge	PGibl	A86-204022 x Kato	F5	none	
4	MN0095	PGibl	M92-270029 x M93-313135	F5	none	Rps1
5	MN0606CN	WTy	MN0901 x MN0902CN	F4	PI 88788	
6	M08-357081	PTy	M02-383122 x IA1022	F5	PI 88788	
7	M08-357102	PTy	M02-383122 x IA1022	F5	PI 88788	
8	M08-357189	P+Wy	M02-383122 x IA1022	F5	PI 88788	
9	M08-359053	PTy	M02-391112 x MN1710CN	F5	PI 88788,209332	
10	M08-359082	WGy	M02-391112 x MN1710CN	F5	PI 88788,209332	
11	M08-362045	WLtbl+gr	MN0606CN x U03-100612	F5	PI 88788	
12	M08-372036	PTy	MN0204SP x MN0806CN	F5	PI 88788	
13	M09-166026	P+Wgr	SIMONIDE x MN0208CN	F5	PI 88788	
14	ND10-3601	WGbf	ND03-7566 x [ND03-5441 x LaMoure]	F4	PI 88788	Rps6
15	ND10-3608	WGbf	ND03-7566 x [ND03-5441 x LaMoure]	F4	PI 88788	Rps6
16	ND10-3610	WGbf	ND03-7566 x [ND03-5441 x LaMoure]	F4	PI 88788	Rps6
17	ND11-16241	PGy	Sheyenne(2) x ND03-7566	F4	PI 88788	
18	ND11-16309	PG+Ty	Sheyenne(2) x ND03-7566	F4	PI 88788	

2014 SCN PRELIMINARY TEST 0

		IL SCN screen				MN IDC
		HG Type 0		HG Type 2.5.7		Danvers
	Strain	FI	rating	score	rating	score
1	Sheyenne	78	NR	104	NR	2.1
2	MN1410	76	NR	101	NR	1.9
3	Surge	81	NR	87	NR	1.8
4	MN0095	63	NR	69	NR	1.8
5	MN0606CN	3	HR	22	R	1.7
6	M08-357081	61	NR	85	NR	2.3
7	M08-357102	33	**	57	LR	2.0
8	M08-357189	39	MR	97	NR	1.9
9	M08-359053	10	R	68	NR	2.0
10	M08-359082	3	HR	27	MR	1.8
11	M08-362045	28	**	21	R	1.7
12	M08-372036	89	NR	86	NR	1.7
13	M09-166026	34	**	84	NR	1.8
14	ND10-3601	4	HR	42	LR	1.9
15	ND10-3608	5	HR	36	MR	1.2
16	ND10-3610	7	HR	50	**	1.9
17	ND11-16241	62	NR	92	NR	2.2
18	ND11-16309	10	R	28	MR	1.5

**too variable to rate

2014 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	5		4		1		4	4	3	4	4	4	4
1	Sheyenne	**34.1**	**12**	35.4	14	30.1	9	925	1.3	26	2.0	15.3	35.3	18.1
2	MN1410	**38.2**	**6**	38.8	8	37.0	1	7	1.3	30	1.4	15.5	34.2	18.0
3	Surge	**31.4**	**17**	32.4	17	28.5	10	3	1.3	24	1.6	17.5	34.9	17.1
4	MN0095	**32.0**	**16**	33.4	16	27.8	11	-10	1.0	22	1.6	13.5	35.5	18.3
5	MN0606CN	**38.4**	**5**	40.4	4	31.5	7	0	1.3	28	1.9	14.6	34.1	17.6
6	M08-357081	**34.0**	**13**	35.9	12	27.7	12	-2	1.3	25	1.6	15.4	34.1	17.2
7	M08-357102	**37.3**	**9**	38.6	9	33.3	5	2	1.5	28	1.9	16.0	35.1	17.7
8	M08-357189	**33.4**	**14**	35.9	13	24.7	18	-4	1.5	24	1.1	14.1	34.3	18.2
9	M08-359053	**36.9**	**10**	37.8	10	34.5	3	-4	1.9	26	1.9	15.9	35.3	17.5
10	M08-359082	**38.5**	**4**	40.2	6	33.1	6	-1	1.6	26	1.6	16.4	33.7	18.2
11	M08-362045	**38.0**	**7**	39.1	7	34.6	2	2	1.8	24	1.4	14.6	34.9	18.5
12	M08-372036	**29.4**	**18**	30.6	18	25.6	15	-3	1.6	25	1.9	13.3	36.3	16.7
13	M09-166026	**32.9**	**15**	33.9	15	30.3	8	-1	1.4	32	2.1	16.4	36.9	17.3
14	ND10-3601	**37.5**	**8**	40.4	4	27.0	14	-4	1.0	24	1.9	15.1	35.3	18.4
15	ND10-3608	**38.9**	**3**	42.6	2	25.5	16	-6	1.0	24	2.4	15.4	35.2	17.6
16	ND10-3610	**39.0**	**2**	42.8	1	24.9	17	-6	1.0	24	2.4	14.8	35.1	17.4
17	ND11-16241	**39.6**	**1**	41.3	3	34.1	4	-4	1.3	27	2.4	14.6	34.3	18.2
18	ND11-16309	**34.6**	**11**	36.7	11	27.3	13	-8	1.4	23	3.0	14.4	35.8	18.0
	Mean	**35.8**		37.6		29.8		-2.3	1.3	25.4				
	LSD(.05)	**3.6**		4.0		10.5		2.0	0.2	2.7				
	C.V. %	**13.7**		13.1		16.7		11.0	13.6	9.0				

2014 SCN PRELIMINARY TEST 0

Yield (bu/a)

		Danvers	Fairfax	Rosemount	Wyndmere	Woodstock
		MN	MN	MN	ND	ON
	SCN HG Type	I	2.5.7	2.5.7	2.5.7	NI
	Strain					
1	Sheyenne	15.3	37.1	28.0	63.9	30.1
2	MN1410	17.5	45.9	29.6	65.1	37.0
3	Surge	15.2	36.9	28.4	51.8	28.5
4	MN0095	16.2	35.1	25.7	59.4	27.8
5	MN0606CN	20.7	47.3	27.3	69.1	31.5
6	M08-357081	18.5	38.5	29.4	59.7	27.7
7	M08-357102	20.3	43.7	35.9	57.2	33.3
8	M08-357189	15.8	38.8	27.2	64.5	24.7
9	M08-359053	15.8	46.3	31.6	60.1	34.5
10	M08-359082	17.6	51.2	36.0	58.8	33.1
11	M08-362045	16.9	49.7	31.2	61.3	34.6
12	M08-372036	15.5	35.8	25.0	49.1	25.6
13	M09-166026	19.3	42.3	25.0	51.6	30.3
14	ND10-3601	23.6	49.6	30.3	60.6	27.0
15	ND10-3608	23.6	51.1	33.5	64.9	25.5
16	ND10-3610	23.8	49.9	34.7	65.5	24.9
17	ND11-16241	20.7	45.5	36.4	65.5	34.1
18	ND11-16309	16.1	43.5	32.1	58.0	27.3
	Average	18.5	43.8	30.4	60.3	29.8
	LSD(.05)	4.9	7.5	8.6	7.7	10.5
	C.V. %	12.3	8.2	13.7	7.9	16.7
	Replications	2	2	2	3	2
	Row width (in.)	30	30	30	30	14

2014 SCN PRELIMINARY TEST 0

Yield (rank)

		Danvers	Fairfax	Rosemount	Wyndmere	Woodstock
		MN	MN	MN	ND	ON
	SCN HG Type	I	2.5.7	2.5.7	2.5.7	NI
	Strain					
1	Sheyenne	17	15	13	7	9
2	MN1410	10	8	10	4	1
3	Surge	18	16	12	16	10
4	MN0095	12	18	16	12	11
5	MN0606CN	4	6	14	1	7
6	M08-357081	8	14	11	11	12
7	M08-357102	6	10	3	15	5
8	M08-357189	14	13	15	6	18
9	M08-359053	14	7	7	10	3
10	M08-359082	9	1	2	13	6
11	M08-362045	11	4	8	8	2
12	M08-372036	16	17	17	18	15
13	M09-166026	7	12	17	17	8
14	ND10-3601	2	5	9	9	14
15	ND10-3608	2	2	5	5	16
16	ND10-3610	1	3	4	2	17
17	ND11-16241	4	9	1	2	4
18	ND11-16309	13	11	6	14	13

2014 SCN PRELIMINARY TEST 0

Maturity

		Danvers	Fairfax	Rosemount	Wyndmere	Woodstock
		MN	MN	MN	ND	ON
	SCN HG Type	I	2.5.7	2.5.7	2.5.7	NI
	Strain					
1	Sheyenne	9/22	9/26	9/23	9/27	9/27
2	MN1410	6	4	7	4	12
3	Surge	5	4	4	0	4
4	MN0095	-10	-10	-11	-12	-8
5	MN0606CN	4	-2	-1	-1	0
6	M08-357081	4	-2	-4	-5	-3
7	M08-357102	5	0	-1	0	5
8	M08-357189	0	-8	-4	-5	-3
9	M08-359053	-1	-8	-4	-6	-1
10	M08-359082	3	-4	-4	-1	2
11	M08-362045	5	2	-1	-1	3
12	M08-372036	4	-8	-2	-6	-1
13	M09-166026	3	-6	-2	-1	1
14	ND10-3601	5	-8	-8	-6	-1
15	ND10-3608	-4	-8	-10	-9	-1
16	ND10-3610	-3	-8	-10	-11	0
17	ND11-16241	-6	-8	-7	0	-1
18	ND11-16309	-9	-10	-9	-9	-4
	Planted	5/22	5/30	6/6	5/30	6/6

2014 SCN PRELIMINARY TEST 0

Lodging (score)

		Danvers	Fairfax	Rosemount	Wyndmere	Woodstock
		MN	MN	MN	ND	ON
	SCN HG Type	I	2.5.7	2.5.7	2.5.7	NI
	Strain					
1	Sheyenne	1.0	1.0	2.0		1.0
2	MN1410	1.0	1.0	2.0		1.0
3	Surge	1.0	1.0	2.0		1.0
4	MN0095	1.0	1.0	1.0		1.0
5	MN0606CN	1.0	1.0	2.0		1.3
6	M08-357081	1.0	1.0	2.0		1.0
7	M08-357102	2.0	1.0	2.0		1.0
8	M08-357189	1.0	2.0	2.0		1.0
9	M08-359053	1.0	3.0	2.0		1.5
10	M08-359082	1.0	2.0	2.0		1.3
11	M08-362045	1.0	3.0	2.0		1.0
12	M08-372036	1.0	2.0	2.0		1.3
13	M09-166026	1.0	1.0	2.0		1.5
14	ND10-3601	1.0	1.0	1.0		1.0
15	ND10-3608	1.0	1.0	1.0		1.0
16	ND10-3610	1.0	1.0	1.0		1.0
17	ND11-16241	1.0	1.0	2.0		1.0
18	ND11-16309	1.0	2.0	1.5		1.0

2014 SCN PRELIMINARY TEST 0

Height (inches)

		Danvers	Fairfax	Rosemount	Wyndmere	Woodstock
		MN	MN	MN	ND	ON
	SCN HG Type	I	2.5.7	2.5.7	2.5.7	NI
	Strain					
1	Sheyenne	19		25		35
2	MN1410	25		28		38
3	Surge	19		21		32
4	MN0095	15		19		33
5	MN0606CN	23		24		38
6	M08-357081	20		22		33
7	M08-357102	21		25		37
8	M08-357189	16		22		33
9	M08-359053	14		24		39
10	M08-359082	18		27		34
11	M08-362045	21		20		30
12	M08-372036	15		25		35
13	M09-166026	23		29		43
14	ND10-3601	20		21		32
15	ND10-3608	19		22		30
16	ND10-3610	20		22		30
17	ND11-16241	19		26		37
18	ND11-16309	15		22		31

2014 SCN PRELIMINARY TEST 0

Seed Quality (score)

		Danvers	Fairfax	Rosemount	Wyndmere	Woodstock
		MN	MN	MN	ND	ON
	SCN HG Type	I	2.5.7	2.5.7	2.5.7	NI
	Strain					
1	Sheyenne	4.0	1.0	2.0		1.0
2	MN1410	1.0	1.0	2.0		1.5
3	Surge	1.0	1.0	3.0		1.5
4	MN0095	2.0	1.0	2.0		1.5
5	MN0606CN	3.0	1.0	2.0		1.5
6	M08-357081	2.0	1.0	2.0		1.5
7	M08-357102	3.0	2.0	1.0		1.5
8	M08-357189	1.0	1.0	1.0		1.5
9	M08-359053	2.0	1.0	3.0		1.5
10	M08-359082	1.0	1.0	3.0		1.5
11	M08-362045	1.0	1.0	2.0		1.5
12	M08-372036	3.0	1.0	2.0		1.5
13	M09-166026	3.0	2.0	2.0		1.5
14	ND10-3601	1.0	3.0	2.0		1.5
15	ND10-3608	2.0	3.0	3.0		1.5
16	ND10-3610	1.0	3.0	4.0		1.5
17	ND11-16241	3.0	2.0	3.0		1.5
18	ND11-16309	4.0	2.0	4.0		2.0

2014 SCN PRELIMINARY TEST 0

Seed Weight (g/100)

		Danvers	Fairfax	Rosemount	Wyndmere	Woodstock
		MN	MN	MN	ND	ON
	SCN HG Type	I	2.5.7	2.5.7	2.5.7	NI
	Strain					
1	Sheyenne	14.6	14.9	15.1		16.7
2	MN1410	13.7	15.3	15.1		17.8
3	Surge	16.3	16.8	18.0		18.7
4	MN0095	13.7	13.6	13.6		13.1
5	MN0606CN	14.7	14.6	13.8		15.3
6	M08-357081	15.2	15.0	14.8		16.4
7	M08-357102	14.3	16.3	15.5		17.9
8	M08-357189	13.4	14.3	13.8		14.8
9	M08-359053	14.6	16.2	15.3		17.4
10	M08-359082	16.0	16.2	15.2		18.0
11	M08-362045	13.4	15.3	13.2		16.4
12	M08-372036	13.9	12.8	12.0		14.3
13	M09-166026	16.2	15.8	16.2		17.3
14	ND10-3601	13.6	16.4	14.9		15.5
15	ND10-3608	14.6	15.9	15.2		16.0
16	ND10-3610	14.5	15.3	14.7		14.8
17	ND11-16241	13.7	14.0	14.8		15.8
18	ND11-16309	14.0	15.7	13.2		14.6

2014 SCN PRELIMINARY TEST 0

Protein (%)

		Danvers	Fairfax	Rosemount	Wyndmere	Woodstock
		MN	MN	MN	ND	ON
	SCN HG Type	I	2.5.7	2.5.7	2.5.7	NI
	Strain					
1	Sheyenne	34.6	35.9	35.2		35.3
2	MN1410	33.0	35.9	32.0		36.0
3	Surge	34.1	35.8	33.4		36.3
4	MN0095	35.2	35.8	33.7		37.1
5	MN0606CN	34.5	34.0	32.4		35.7
6	M08-357081	34.8	33.8	32.6		35.2
7	M08-357102	35.3	36.1	33.6		35.3
8	M08-357189	34.8	35.7	32.0		34.7
9	M08-359053	35.5	35.8	33.7		36.2
10	M08-359082	33.6	34.6	32.0		34.5
11	M08-362045	34.4	35.3	34.4		35.4
12	M08-372036	34.2	37.2	34.8		38.8
13	M09-166026	37.6	36.8	36.1		36.9
14	ND10-3601	33.4	35.6	36.4		35.6
15	ND10-3608	34.0	36.3	35.2		35.3
16	ND10-3610	34.5	35.8	34.4		35.6
17	ND11-16241	34.1	33.4	34.2		35.6
18	ND11-16309	35.7	37.3	33.9		36.4

2014 SCN PRELIMINARY TEST 0

Oil (%)

		Danvers	Fairfax	Rosemount	Wyndmere	Woodstock
		MN	MN	MN	ND	ON
	SCN HG Type	I	2.5.7	2.5.7	2.5.7	NI
	Strain					
1	Sheyenne	17.6	17.1	19.0		18.8
2	MN1410	16.9	18.4	18.0		18.6
3	Surge	17.1	15.7	17.3		18.1
4	MN0095	16.7	19.4	18.8		18.3
5	MN0606CN	15.8	17.9	18.0		18.7
6	M08-357081	15.3	16.5	18.1		18.8
7	M08-357102	17.0	17.9	17.2		18.5
8	M08-357189	17.1	18.1	18.6		19.1
9	M08-359053	17.0	17.5	16.9		18.7
10	M08-359082	17.1	17.4	18.8		19.3
11	M08-362045	16.9	19.3	18.5		19.1
12	M08-372036	16.8	14.8	17.5		17.7
13	M09-166026	15.8	17.9	17.2		18.1
14	ND10-3601	16.7	19.1	18.5		19.1
15	ND10-3608	16.5	18.4	17.3		18.0
16	ND10-3610	17.2	17.0	16.5		18.9
17	ND11-16241	17.0	18.9	17.9		18.8
18	ND11-16309	17.0	18.5	17.9		18.6

2014 SCN UNIFORM 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	AR12-127092	PGbf	AR03-161009 x AR06-365042
5	M05-353151	PGy	MN0902CN x M99-286047
6	M06-288155	PGy	M00-365137 x M99-286050
7	M07-209037	WGy	M90-184111 x MN0606CN
8	M07-297004	PTy/br	MN0902CN x LD02-5320
9	M07-297007	P+WTbl	MN0902CN x LD02-5320
10	M07-297052	PTgr	MN0902CN x LD02-5320
11	M08-151006	WGy/bf	M00-116161 x M99-286047
12	M08-151086	PTy	M00-116161 x M99-286047
13	U11-911079	PLtbl	LD02-4485 x U03-300134
14	U11-917032	PTbl	LD02-4485 x U03-100612

	Strain	Previous testing	Gen comp	SCN res source	Traits
1	MN1410	9	F5	None	
2	IA1022 (SCN)	7	F5	PI88788	
3	Sheyenne (0)	6	F4	None	Rsp1-c
4	AR12-127092	13 SCN P I	F4	PI 507354,88788	
5	M05-353151	3	F5	PI 88788	
6	M06-288155	1	F5	PI 88788	
7	M07-209037	1	F5	PI 88788	
8	M07-297004	13 SCN P I	F5	PI 88788	
9	M07-297007	13 SCN P I	F5	PI 88788	
10	M07-297052	13 SCN P I	F5	PI 88788	
11	M08-151006	13 SCN P I	F5	PI 88788	
12	M08-151086	13 SCN P I	F5	PI 88788	
13	U11-911079	13 UPT IB	F6	PI 88788	
14	U11-917032	13 UPT IB	F6	PI 88788	

2014 SCN UNIFORM TEST I

		IL SCN screen				ISU IDC	MN IDC
		HG Type 0		HG Type 2.5.7		Res=2.3	Danvers
	Strain	FI	rating	score	rating	Sus=2.7	score
1	MN1410	76	NR	101	NR	2.6	3.4
2	IA1022 (SCN)	5	HR	40	LR	2.2	3.2
3	Sheyenne (0)	78	NR	104	NR	1.8	3.7
4	AR12-127092	3	HR	32	MR	1.8	3.4
5	M05-353151	3	HR	32	MR	3.3	3.2
6	M06-288155	4	HR	23	R	3.0	3.7
7	M07-209037	1	HR	24	R	2.5	3.5
8	M07-297004	2	HR	22	R	1.3	2.5
9	M07-297007	3	HR	46	**	2.7	2.9
10	M07-297052	9	HR	21	R	1.8	3.2
11	M08-151006	1	HR	23	R	1.6	3.6
12	M08-151086	3	HR	29	MR	2.1	3.3
13	U11-911079	6	HR	24	R	1.2	3.3
14	U11-917032	3	HR	34	MR	2.3	4.3

2014 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	9		8		1		8	8	7	7	7	8	8
1	MN1410	**52.1**	**10**	51.9	10	54.1	7	919	2.1	36	1.6	17.5	36.3	17.8
2	IA1022 (SCN)	**57.7**	**3**	57.8	1	56.4	6	5	1.8	33	2.0	18.0	33.5	19.1
3	Sheyenne (0)	**42.8**	**14**	42.3	14	46.8	13	-7	1.6	31	2.1	17.0	35.5	18.0
4	AR12-127092	**57.0**	**4**	57.0	4	57.3	5	7	1.8	35	2.1	19.9	37.2	16.8
5	M05-353151	**51.5**	**11**	51.7	11	49.9	9	0	1.4	31	1.6	17.8	36.8	17.2
6	M06-288155	**54.0**	**9**	54.6	8	48.9	10	1	2.9	37	1.7	17.0	35.6	17.0
7	M07-209037	**55.6**	**5**	56.5	5	48.6	11	4	2.2	33	1.9	17.8	33.2	18.9
8	M07-297004	**48.5**	**12**	49.5	12	40.0	14	0	1.5	32	1.7	17.9	37.0	17.8
9	M07-297007	**55.6**	**6**	54.9	7	61.6	3	5	1.8	35	1.4	16.8	38.1	17.1
10	M07-297052	**54.3**	**8**	53.8	9	58.5	4	5	1.9	37	1.5	16.7	36.9	17.5
11	M08-151006	**55.0**	**7**	55.4	6	51.5	8	5	2.1	36	1.7	19.5	36.0	17.6
12	M08-151086	**48.2**	**13**	48.3	13	47.9	12	-1	1.7	34	1.5	16.8	35.1	18.2
13	U11-911079	**59.7**	**1**	57.5	2	77.1	1	8	1.5	35	1.4	14.8	34.5	16.9
14	U11-917032	**58.2**	**2**	57.5	2	64.1	2	5	1.9	32	1.6	17.9	34.3	18.7
	Mean	**53.6**		53.5		54.5		2.8	1.8	33.9				
	LSD(.05)	**3.0**		3.3		6.4		0.9	0.3	1.8				
	C.V. %	**10.4**		10.8		5.9		8.0	25.5	9.0				

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		16		2		16	17	15	14	14	15	15
1	MN1410	**46.8**	**5**	46.5	5	49.2	2	918	1.9	32.5	1.6	16.5	36.2	18.1
2	IA1022 (SCN)	**52.0**	**1**	52.1	2	52.7	1	6	1.8	30.0	1.7	16.9	33.3	19.6
3	Sheyenne (0)	**38.0**	**6**	37.6	6	44.3	6	-6	1.5	28.0	2.0	16.0	35.2	18.4
4	AR09-191018	**47.0**	**4**	47.1	4	48.9	2	0	1.5	28.5	1.7	16.8	36.7	17.5
6	M05-353086	**52.0**	**2**	52.1	2	47.9	5	2	2.6	34.5	1.6	16.1	35.7	17.3
7	M05-353151	**52.0**	**2**	52.2	1	48.1	4	4	2.0	29.5	1.5	16.9	33.4	19.2

2014 SCN UNFORM TEST I

Yield (bu/a)

		Mason City IA	Newell IA	Dekalb IL	Fairfax MN	Lamber-ton MN	Ridge-town ON	Chatham ON	Harrow ON	Urbana IL
	SCN HG Type	2.5.7	IA	2.5.7	2.5.7	I	I	I	2.5.7	NI
	Strain									
1	MN1410	52.7	66.7	69.3	38.3	29.5	48.4	56.0	54.4	54.1
2	IA1022 (SCN)	56.3	66.8	66.6	49.1	41.3	59.4	53.7	69.7	56.4
3	Sheyenne (0)	40.5	34.0	47.7	36.5	26.9	43.3	48.6	61.5	46.8
4	AR12-127092	53.6	57.2	65.9	46.7	43.4	62.4	59.4	67.4	57.3
5	M05-353151	51.1	59.0	62.4	40.2	40.1	46.7	57.3	57.1	49.9
6	M06-288155	50.4	62.3	61.8	41.2	35.5	61.3	62.3	62.6	48.9
7	M07-209037	49.7	61.5	66.5	44.4	39.4	47.8	71.9	71.2	48.6
8	M07-297004	49.1	46.9	60.5	43.6	34.0	51.8	52.1	58.5	40.0
9	M07-297007	52.3	62.6	70.2	41.0	41.8	55.9	53.0	62.7	61.6
10	M07-297052	52.7	61.8	68.1	40.6	33.7	55.5	58.0	60.2	58.5
11	M08-151006	56.2	65.9	64.3	43.8	41.1	50.4	60.8	61.0	51.5
12	M08-151086	48.1	52.2	49.7	42.6	33.4	52.2	52.1	56.2	47.9
13	U11-911079	60.0	61.6	76.8	47.5	42.9	52.7	58.0	61.0	77.1
14	U11-917032	58.9	60.6	69.3	47.8	37.5	59.2	62.6	64.3	64.1
	Average	52.3	58.5	64.2	43.1	37.2	54.1	57.6	62.0	54.5
	LSD(.05)	6.0	14.1	11.3	5.1	8.0	6.6	9.2	7.6	6.4
	C.V. %	5.3	11.1	8.8	5.6	13.3	8.8	7.8	6.1	5.9
	Replications	2	2	2	2	3	3	3	3	2
	Row width (in.)	30	30	30	30	30	17	24	24	30

2014 SCN UNFORM TEST I

Yield (rank)

		Mason City IA	Newell IA	Dekalb IL	Fairfax MN	Lamber-ton MN	Ridge-town ON	Chatham ON	Harrow ON	Urbana IL
	SCN HG Type	2.5.7	IA	2.5.7	2.5.7	I	I	I	2.5.7	NI
	Strain									
1	MN1410	6	2	3	13	13	11	9	14	7
2	IA1022 (SCN)	3	1	6	1	4	3	10	2	6
3	Sheyenne (0)	14	14	14	14	14	14	14	7	13
4	AR12-127092	5	11	8	4	1	1	5	3	5
5	M05-353151	9	10	10	12	6	13	8	12	9
6	M06-288155	10	5	11	9	9	2	3	6	10
7	M07-209037	11	8	7	5	7	12	1	1	11
8	M07-297004	12	13	12	7	10	9	13	11	14
9	M07-297007	8	4	2	10	3	5	11	5	3
10	M07-297052	7	6	5	11	11	6	6	10	4
11	M08-151006	4	3	9	6	5	10	4	9	8
12	M08-151086	13	12	13	8	12	8	12	13	12
13	U11-911079	1	7	1	3	2	7	7	8	1
14	U11-917032	2	9	3	2	8	4	2	4	2

2014 SCN UNIFORM TEST I

Maturity

		Mason City IA	Newell IA	Dekalb IL	Fairfax MN	Lamber-ton MN	Ridge-town ON	Chatham ON	Harrow ON	Urbana IL
	SCN HG Type	2.5.7	IA	2.5.7	2.5.7	I	I	I	2.5.7	NI
	Strain									
1	MN1410	9/20		9/12	10/4	9/27	9/21	9/18	9/20	9/03
2	IA1022 (SCN)	7		2	3	6	6	6	7	5
3	Sheyenne (0)	-13		-10	-12	-6	-9	-1	-2	-4
4	AR12-127092	7		5	3	8	10	11	13	2
5	M05-353151	-1		-4	0	3	-4	4	2	-1
6	M06-288155	0		-4	-1	1	2	5	3	-2
7	M07-209037	2		1	4	6	4	10	5	1
8	M07-297004	-1		-2	0	0	-2	2	1	-2
9	M07-297007	2		2	4	6	4	9	7	4
10	M07-297052	5		3	4	6	5	7	7	3
11	M08-151006	5		2	6	7	6	7	6	0
12	M08-151086	-2		-4	1	0	-5	1	1	-3
13	U11-911079	7		10	8	8	3	7	6	13
14	U11-917032	6		3	6	5	1	8	4	5
	Planted	5/20	5/17	5/20	5/30	5/15	5/29	5/29	6/3	5/21

2014 SCN UNIFORM TEST I

Lodging (score)

		Mason City IA	Newell IA	Dekalb IL	Fairfax MN	Lamber-ton MN	Ridge-town ON	Chatham ON	Harrow ON	Urbana IL
	SCN HG Type	2.5.7	IA	2.5.7	2.5.7	I	I	I	2.5.7	NI
	Strain									
1	MN1410	2.5	3.0	2.5		1.0	2.0	2.0	1.2	2.3
2	IA1022 (SCN)	2.5	2.5	1.8		1.0	2.0	1.3	1.5	2.0
3	Sheyenne (0)	2.0	1.8	1.3		1.0	2.0	1.5	1.5	1.5
4	AR12-127092	2.5	2.5	1.8		1.3	2.0	1.0	1.3	2.0
5	M05-353151	1.8	2.3	1.3		1.0	1.3	1.2	1.0	1.5
6	M06-288155	2.5	2.8	3.0		1.7	2.7	4.2	3.8	2.3
7	M07-209037	2.5	2.5	2.0		1.3	3.0	2.7	1.5	2.0
8	M07-297004	2.3	1.8	1.5		1.0	1.3	1.3	1.0	1.5
9	M07-297007	2.0	2.5	1.8		1.0	2.0	2.0	1.0	2.3
10	M07-297052	2.3	2.5	2.0		1.0	1.7	2.0	1.3	2.3
11	M08-151006	2.5	2.5	2.0		1.0	3.0	1.3	1.7	3.0
12	M08-151086	2.3	2.8	1.3		1.0	1.7	1.3	1.0	2.0
13	U11-911079	2.0	2.3	1.8		1.0	1.3	1.0	1.0	1.5
14	U11-917032	2.5	2.5	2.0		1.0	2.0	2.0	1.3	2.0

2014 SCN UNIFORM TEST I

Height (inches)

		Mason City IA	Newell IA	Dekalb IL	Fairfax MN	Lamber-ton MN	Ridge-town ON	Chatham ON	Harrow ON	Urbana IL
	SCN HG Type	2.5.7	IA	2.5.7	2.5.7	I	I	I	2.5.7	NI
	Strain									
1	MN1410	33	34	37			41	33	37	36
2	IA1022 (SCN)	31	31	33			41	29	38	30
3	Sheyenne (0)	27	22	32			39	30	36	31
4	AR12-127092	31	32	34			42	36	40	32
5	M05-353151	28	30	30			36	31	31	29
6	M06-288155	33	34	40			43	40	38	33
7	M07-209037	30	28	33			37	38	36	31
8	M07-297004	30	27	33			38	35	33	29
9	M07-297007	32	34	36			39	35	37	35
10	M07-297052	35	34	35			40	38	39	35
11	M08-151006	33	35	36			41	35	39	36
12	M08-151086	31	30	34			39	33	39	33
13	U11-911079	30	32	36			38	38	36	35
14	U11-917032	29	27	32			37	35	33	29

2014 SCN UNIFORM TEST I

Seed Quality (score)

		Mason City IA	Newell IA	Dekalb IL	Fairfax MN	Lamber-ton MN	Ridge-town ON	Chatham ON	Harrow ON	Urbana IL
	SCN HG Type	2.5.7	IA	2.5.7	2.5.7	I	I	I	2.5.7	NI
	Strain									
1	MN1410			2.0	1.0	3.0	1.0	1.0	1.0	2.0
2	IA1022 (SCN)			3.0	1.0	2.0	1.7	1.3	2.0	3.0
3	Sheyenne (0)			3.0	1.0	3.0	1.0	1.3	2.3	3.0
4	AR12-127092			3.0	1.0	4.0	1.0	1.0	1.7	3.0
5	M05-353151			3.0	1.0	2.0	1.0	1.0	1.3	2.0
6	M06-288155			2.0	2.0	2.0	1.0	1.7	1.3	2.0
7	M07-209037			3.0	1.0	3.0	1.0	1.3	2.0	2.0
8	M07-297004			3.0	1.0	2.0	1.0	1.3	1.7	2.0
9	M07-297007			1.0	1.0	2.0	1.0	1.0	2.0	2.0
10	M07-297052			1.0	2.0	2.0	1.0	1.3	1.0	2.0
11	M08-151006			3.0	1.0	3.0	1.0	1.0	1.0	2.0
12	M08-151086			3.0	1.0	2.0	1.3	1.0	1.0	1.0
13	U11-911079			1.0	2.0	1.0	1.7	1.3	1.0	2.0
14	U11-917032			1.0	1.0	2.0	2.0	1.7	1.3	2.0

2014 SCN UNIFORM TEST I

Seed Weight (g/100)

		Mason City	Newell	Dekalb	Fairfax	Lamber-ton	Ridge-town	Chatham	Harrow	Urbana
		IA	IA	IL	MN	MN	ON	ON	ON	IL
	SCN HG Type	2.5.7	IA	2.5.7	2.5.7	I	I	I	2.5.7	NI
	Strain									
1	MN1410			19.3	16.9	14.5	19.8	16.9	18.4	16.9
2	IA1022 (SCN)			19.2	16.4	17.0	19.5	17.8	19.7	16.2
3	Sheyenne (0)			17.9	16.6	15.7	16.7	17.1	17.7	17.6
4	AR12-127092			20.1	17.4	18.5	21.5	21.5	20.7	19.9
5	M05-353151			18.9	16.4	17.7	16.8	19.1	17.3	18.1
6	M06-288155			17.5	15.6	16.7	17.2	18.6	17.9	15.6
7	M07-209037			18.7	16.6	17.1	17.5	19.7	18.6	16.2
8	M07-297004			19.4	16.6	16.1	18.9	19.5	18.1	16.6
9	M07-297007			17.6	14.8	15.3	18.4	17.8	17.8	16.0
10	M07-297052			18.1	13.8	16.1	17.8	18.3	17.6	15.2
11	M08-151006			21.5	15.9	19.1	21.5	20.6	20.0	17.8
12	M08-151086			18.3	15.5	16.4	18.1	17.2	16.5	15.6
13	U11-911079			16.4	11.4	13.9	15.9	17.1	14.5	14.1
14	U11-917032			19.6	13.7	15.9	20.2	21.1	18.6	16.3

2014 SCN UNIFORM TEST I

Protein (%)

		Mason City IA	Newell IA	Dekalb IL	Fairfax MN	Lamber-ton MN	Ridge-town ON	Chatham ON	Harrow ON	Urbana IL
	SCN HG Type	2.5.7	IA	2.5.7	2.5.7	I	I	I	2.5.7	NI
	Strain									
1	MN1410	35.2		39.0	34.2	33.9	38.2	37.3	38.8	34.1
2	IA1022 (SCN)	33.0		34.2	30.2	34.2	36.1	34.1	35.0	30.8
3	Sheyenne (0)	35.6		37.6	31.5	36.4	36.5	35.6	36.5	34.2
4	AR12-127092	37.0		39.2	33.5	37.6	39.1	37.9	38.1	35.2
5	M05-353151	34.8		36.8	33.9	39.1	38.5	37.8	37.7	36.0
6	M06-288155	34.0		35.9	33.5	37.4	36.8	36.3	37.1	33.9
7	M07-209037	31.7		31.9	30.1	33.4	35.8	34.3	34.7	33.3
8	M07-297004	36.5		37.2	36.3	36.6	38.6	37.9	37.4	35.2
9	M07-297007	37.5		39.1	36.3	37.2	39.7	39.0	39.1	37.0
10	M07-297052	34.7		38.6	33.1	38.8	38.6	38.5	38.1	34.7
11	M08-151006	33.9		36.5	34.5	36.9	38.6	36.1	36.6	34.9
12	M08-151086	34.1		34.6	34.0	36.2	37.1	36.0	36.4	32.7
13	U11-911079	33.9		34.4	31.7	33.5	37.1	37.2	36.2	32.2
14	U11-917032	32.3		33.3	31.1	36.0	36.6	36.1	35.5	33.5

2014 SCN UNIFORM TEST I

Oil (%)

		Mason City IA	Newell IA	Dekalb IL	Fairfax MN	Lamber-ton MN	Ridge-town ON	Chatham ON	Harrow ON	Urbana IL
	SCN HG Type	2.5.7	IA	2.5.7	2.5.7	I	I	I	2.5.7	NI
	Strain									
1	MN1410	19.2		16.9	16.4	17.3	18.2	18.2	18.2	18.0
2	IA1022 (SCN)	19.6		18.3	18.2	18.1	19.0	20.3	20.2	19.5
3	Sheyenne (0)	18.3		17.0	17.0	18.4	17.9	18.5	18.0	18.7
4	AR12-127092	17.4		15.9	15.9	16.0	16.5	17.3	17.7	17.6
5	M05-353151	18.4		16.7	16.6	16.7	16.7	17.6	17.4	17.6
6	M06-288155	17.7		15.8	16.8	15.7	17.1	17.5	17.3	17.8
7	M07-209037	19.6		18.8	17.8	18.6	18.7	19.4	19.5	18.8
8	M07-297004	18.3		17.4	16.3	16.9	18.0	18.1	18.6	18.5
9	M07-297007	18.8		16.6	17.0	15.8	16.8	17.3	17.4	16.8
10	M07-297052	17.3		16.6	16.8	17.8	17.1	17.4	18.0	18.8
11	M08-151006	18.4		17.0	16.2	17.2	16.9	18.3	18.3	18.9
12	M08-151086	18.3		17.6	17.6	18.6	17.9	18.4	18.4	18.8
13	U11-911079	16.5		16.5	15.5	16.0	17.1	17.4	18.0	18.0
14	U11-917032	18.9		18.5	16.8	18.9	19.1	19.0	19.5	19.1

2014 SCN PRELIMINARY TEST I

	Strain	Descriptive code	Parentage	Gen. Comp.	SCN res source	Traits
1	MN1410	WGbf	Unknown	F5	None	
2	IA1022 (SCN)	PGy	Dairyland 98822 x A00-711024	F5	PI88788	
3	Sheyenne (0)	PGy	Pioneer 9071 x A96-492041	F4	None	Rsp1-c
4	AR13-131001	PGibl	AR07-175036 x AR05-150139	F5	PI 90763,88788	
5	AR13-131002	PGibl	AR07-175036 x AR05-150139	F5	PI 90763,88788	
6	AR13-131003	PGibl	AR05-250101 x PI 567516C	F5	PI 567516C,88788	IDC
7	AR13-131005	PGibl	AR05-250101 x PI 567516C	F5	PI 567516C,88788	IDC
8	AR13-131009	PTbl+br	AR03-161009 x AR06-365076	F5	PI 507354,88788	
9	M08-208116	PTbl	MN0302 x LD05-16638	F5	PI 88788	
10	M08-208118	PTbl	MN0302 x LD05-16638	F5	PI 88788	
11	M08-328030	PGbf+y	MN0308CN x M03-176076	F5	PI 88788	protein
12	M08-344051	WGbf	LD00-2187 x MN0308CN	F5	PI 88788, 437654	
13	M08-354011	P+WTy	ND03-7566 x MN1413CN	F5	PI 88788	
14	M08-359087	WTy	M02-391112 x MN1701CN	F5	PI 88788,209332	
15	M08-359183	WLty	M02-391112 x MN1701CN	F5	PI 88788,209332	
16	M08-362051	PGy	MN0606CN x U03-100612	F5	PI 88788	
17	M08-365038	P+WTbr	M90-184111 x U03-100612	F5	PI 88788	
18	M08-365100	PGibl	M90-184111 x U03-100612	F5	PI 88788	
19	M08-603047	PGy	V99-5089 x MN0606CN	F5	PI 88788	
20	ORC 7612N	WTy	Katrina x A04-543037	F6	PI 88788	

2014 SCN PRELIMINARY TEST I

	IL SCN screen				ISU IDC	MN IDC
	HG Type 0		HG Type 2.5.7		Res=2.3	Danvers
Strain	FI	rating	score	rating	Sus=2.7	score
1 MN1410	76	NR	101	NR	2.6	2.2
2 IA1022 (SCN)	5	HR	40	LR	2.2	1.9
3 Sheyenne (0)	78	NR	104	NR	1.8	2.1
4 AR13-131001	4	HR	30	**	2.2	1.9
5 AR13-131002	4	HR	40	LR	3.7	2.1
6 AR13-131003	3	HR	27	MR	2.2	2.4
7 AR13-131005	3	HR	23	R	2.7	2.0
8 AR13-131009	10	R	42	LR	1.8	2.0
9 M08-208116	71	NR	98	NR	2.2	2.4
10 M08-208118	74	NR	122	NR	3.0	2.0
11 M08-328030	11	R	30	MR	3.0	2.7
12 M08-344051	0	HR	2	HR	2.5	2.4
13 M08-354011	3	HR	17	R	2.0	1.8
14 M08-359087	10	R	44	LR	2.2	2.6
15 M08-359183	5	HR	36	MR	2.6	2.0
16 M08-362051	4	HR	9	HR	3.5	2.7
17 M08-365038	53	L	28	**	1.8	2.3
18 M08-365100	7	HR	42	LR	2.7	2.6
19 M08-603047	71	NR	86	NR	2.0	2.3
20 ORC 7612N	68	NR	104	NR	2.7	3.2

**too variable to rate

2014 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	5		4		1		5	6	5	4	4	5	5
1	MN1410	**54.4**	**9**	54.4	10	54.1	10	918	2.0	32	1.8	17.5	35.7	17.3
2	IA1022 (SCN)	**57.2**	**6**	57.5	4	56.4	7	4	1.9	29	2.8	16.8	32.3	18.6
3	Sheyenne (0)	**44.3**	**20**	43.6	20	46.8	14	-8	1.5	27	3.3	17.6	35.2	17.8
4	AR13-131001	**53.3**	**11**	51.9	12	59.3	6	0	1.6	26	1.8	20.9	35.5	17.3
5	AR13-131002	**57.5**	**4**	56.7	7	61.0	5	2	2.0	28	1.8	17.1	35.1	16.7
6	AR13-131003	**57.3**	**5**	56.0	8	62.4	3	3	2.0	31	1.5	18.8	34.7	17.6
7	AR13-131005	**57.0**	**7**	57.7	2	54.2	9	1	1.8	28	1.3	20.4	35.4	17.3
8	AR13-131009	**58.9**	**2**	56.8	5	67.5	1	7	1.9	35	1.5	16.3	35.5	16.2
9	M08-208116	**49.1**	**15**	50.8	14	42.4	18	-2	1.9	32	2.3	21.4	37.8	16.3
10	M08-208118	**53.3**	**11**	52.7	11	55.8	8	0	1.7	33	1.3	18.7	36.3	16.7
11	M08-328030	**45.6**	**19**	47.0	19	39.9	19	-7	1.4	25	3.3	18.2	38.3	17.2
12	M08-344051	**46.1**	**18**	48.3	17	37.5	20	-3	1.6	27	2.0	15.0	32.2	18.6
13	M08-354011	**48.5**	**16**	49.6	16	44.1	17	-6	2.0	28	1.8	14.7	34.9	18.3
14	M08-359087	**56.2**	**8**	57.6	3	50.6	12	1	2.3	33	2.3	17.1	34.7	17.1
15	M08-359183	**49.3**	**14**	50.4	15	44.9	15	-3	2.1	32	2.5	18.0	36.2	17.2
16	M08-362051	**60.5**	**1**	60.3	1	61.4	4	3	2.0	31	2.0	15.8	34.7	17.1
17	M08-365038	**53.4**	**10**	54.7	9	48.3	13	2	1.8	31	2.0	17.3	32.6	18.9
18	M08-365100	**58.2**	**3**	56.8	5	63.7	2	6	2.1	30	2.0	17.5	34.7	18.0
19	M08-603047	**47.2**	**17**	47.9	18	44.8	16	-6	1.7	28	2.8	16.5	34.0	17.9
20	ORC 7612N	**52.2**	**13**	51.9	12	53.6	11	0	2.0	32	1.5	19.8	34.9	17.6
	Mean	**53.0**		53.1		52.4		0.0	1.8	30.5				
	LSD(.05)	**3.9**		4.5		7.5		1.0	0.3	2.2				
	C.V. %	**8.4**		8.0		6.9		6.3	18.3	7.1				

2014 SCN PRELIMINARY TEST I

Yield (bu/a)

		Mason City IA	Newell IA	Dekalb IL	Fairfax MN	Lamberton MN	Urbana IL
	SCN HG Type	2.5.7	IA	2.5.7	2.5.7	I	NI
	Strain						
1	MN1410	50.1	42.3	69.3	40.3	58.1	54.1
2	IA1022 (SCN)	55.0	51.9	66.6	48.8	57.6	56.4
3	Sheyenne (0)	40.8	26.3	47.7	32.5	53.6	46.8
4	AR13-131001	52.2	66.7	61.2	33.4	60.6	59.3
5	AR13-131002	53.6	45.9	70.5	39.2	63.5	61.0
6	AR13-131003	55.7	55.2	72.3	37.5	58.5	62.4
7	AR13-131005	48.0	58.5	70.4	48.8	63.7	54.2
8	AR13-131009	56.7	68.8	68.7	39.6	62.3	67.5
9	M08-208116	49.7	42.6	58.2	41.3	54.2	42.4
10	M08-208118	48.6	50.5	62.8	40.7	58.7	55.8
11	M08-328030	42.4	37.0	50.4	43.1	52.4	39.9
12	M08-344051	43.3	48.6	51.6	46.5	51.7	37.5
13	M08-354011	46.6	48.9	51.8	46.6	53.3	44.1
14	M08-359087	55.4	47.6	65.9	46.3	62.7	50.6
15	M08-359183	44.5	43.9	50.4	45.5	61.1	44.9
16	M08-362051	58.6	63.5	69.8	49.5	63.3	61.4
17	M08-365038	57.7	44.3	59.9	42.0	59.1	48.3
18	M08-365100	56.0	55.7	68.3	45.9	57.0	63.7
19	M08-603047	38.9	22.7	59.0	34.2	57.5	44.8
20	ORC 7612N	54.0	55.3	62.4	35.0	56.2	53.6
	Average	50.6	47.8	61.9	41.8	58.3	52.4
	LSD(.05)	4.0	18.6	9.5	8.3	11.4	7.5
	C.V. %	4.0	19.5*	7.3	9.6	9.5	6.9
	Replications	2	2	2	2	2	2
	Row width (in.)	30	30	30	30	30	30

2014 SCN PRELIMINARY TEST I

Yield (rank)

		Mason City	Newell	Dekalb	Fairfax	Lamberton	Urbana
		IA	IA	IL	MN	MN	IL
	SCN HG Type	2.5.7	IA	2.5.7	2.5.7	I	NI
	Strain						
1	MN1410	11	17	5	13	11	10
2	IA1022 (SCN)	7	8	8	2	12	7
3	Sheyenne (0)	19	19	20	20	17	14
4	AR13-131001	10	2	12	19	7	6
5	AR13-131002	9	13	2	15	2	5
6	AR13-131003	5	7	1	16	10	3
7	AR13-131005	14	4	3	2	1	9
8	AR13-131009	3	1	6	14	5	1
9	M08-208116	12	16	15	11	16	18
10	M08-208118	13	9	10	12	9	8
11	M08-328030	18	18	18	9	19	19
12	M08-344051	17	11	17	5	20	20
13	M08-354011	15	10	16	4	18	17
14	M08-359087	6	12	9	6	4	12
15	M08-359183	16	15	18	8	6	15
16	M08-362051	1	3	4	1	3	4
17	M08-365038	2	14	13	10	8	13
18	M08-365100	4	5	7	7	14	2
19	M08-603047	20	20	14	18	13	16
20	ORC 7612N	8	6	11	17	15	11

2014 SCN PRELIMINARY TEST I

Maturity

		Mason City IA	Newell IA	Dekalb IL	Fairfax MN	Lamberton MN	Urbana IL
	SCN HG Type	2.5.7	IA	2.5.7	2.5.7	I	NI
	Strain						
1	MN1410	9/20		9/12	9/30	9/27	9/03
2	IA1022 (SCN)	5		2	3	3	5
3	Sheyenne (0)	-13		-10	-4	-7	-4
4	AR13-131001	2		2	0	-1	-1
5	AR13-131002	5		2	0	0	3
6	AR13-131003	4		4	0	2	5
7	AR13-131005	3		0	0	2	1
8	AR13-131009	8		11	-4	6	15
9	M08-208116	-1		-2	-2	-5	-1
10	M08-208118	2		1	-4	0	0
11	M08-328030	-7		-8	-4	-11	-7
12	M08-344051	-2		-3	-4	-2	-4
13	M08-354011	-5		-7	-8	-6	-6
14	M08-359087	3		2	0	-1	1
15	M08-359183	-4		-4	0	-4	-5
16	M08-362051	6		3	2	2	4
17	M08-365038	4		-1	3	3	3
18	M08-365100	7		5	6	6	6
19	M08-603047	-9		-6	-8	-2	-3
20	ORC 7612N	1		-2	0	-1	0
	Planted	5/20	5/17	5/20	5/30	5/15	5/21

2014 SCN PRELIMINARY TEST I

Lodging (score)

		Mason City IA	Newell IA	Dekalb IL	Fairfax MN	Lamberton MN	Urbana IL
	SCN HG Type	2.5.7	IA	2.5.7	2.5.7	I	NI
	Strain						
1	MN1410	2.0	2.3	2.5	1.0	2.0	2.3
2	IA1022 (SCN)	2.5	2.5	1.8	1.0	1.5	2.0
3	Sheyenne (0)	1.8	1.8	1.3	1.0	1.5	1.5
4	AR13-131001	2.3	1.8	1.3	1.0	2.0	1.5
5	AR13-131002	2.5	2.0	2.5	1.0	2.0	1.8
6	AR13-131003	2.5	2.3	2.5	1.0	2.0	2.0
7	AR13-131005	2.5	2.3	1.8	1.0	1.5	1.5
8	AR13-131009	2.3	2.0	2.3	1.0	2.0	1.8
9	M08-208116	2.3	2.3	2.3	1.0	1.5	1.8
10	M08-208118	2.0	2.0	1.5	1.0	2.0	1.5
11	M08-328030	1.8	1.8	1.3	1.0	1.5	1.3
12	M08-344051	2.0	2.5	1.5	1.0	1.0	1.5
13	M08-354011	2.0	2.3	1.5	2.0	2.0	2.0
14	M08-359087	2.3	2.5	2.5	2.0	2.0	2.3
15	M08-359183	2.3	2.0	2.3	2.0	2.0	2.0
16	M08-362051	2.5	2.8	2.0	1.0	2.0	2.0
17	M08-365038	2.0	2.0	2.3	1.0	2.0	1.5
18	M08-365100	2.3	2.3	3.0	1.0	2.0	2.0
19	M08-603047	1.5	1.5	1.8	2.0	2.0	1.3
20	ORC 7612N	2.5	2.5	2.5	1.0	2.0	1.5

2014 SCN PRELIMINARY TEST I

Height (inches)

		Mason City IA	Newell IA	Dekalb IL	Fairfax MN	Lamberton MN	Urbana IL
	SCN HG Type	2.5.7	IA	2.5.7	2.5.7	I	NI
	Strain						
1	MN1410	28	26	37		31	36
2	IA1022 (SCN)	29	25	33		30	30
3	Sheyenne (0)	26	21	32		25	31
4	AR13-131001	25	21	29		27	29
5	AR13-131002	27	24	32		28	31
6	AR13-131003	30	30	37		28	31
7	AR13-131005	25	26	31		28	28
8	AR13-131009	32	32	39		33	38
9	M08-208116	34	25	39		31	31
10	M08-208118	31	29	37		31	35
11	M08-328030	24	22	29		23	25
12	M08-344051	27	25	29		25	27
13	M08-354011	27	26	31		28	30
14	M08-359087	34	28	36		31	35
15	M08-359183	34	26	35		30	33
16	M08-362051	28	31	32		30	32
17	M08-365038	33	28	35		30	31
18	M08-365100	28	26	36		32	30
19	M08-603047	25	20	35		30	31
20	ORC 7612N	32	32	35		29	34

2014 SCN PRELIMINARY TEST I

Seed Quality (score)

		Mason City	Newell	Dekalb	Fairfax	Lamberton	Urbana
		IA	IA	IL	MN	MN	IL
	SCN HG Type	2.5.7	IA	2.5.7	2.5.7	I	NI
	Strain						
1	MN1410			2.0	1.0	2.0	2.0
2	IA1022 (SCN)			3.0	3.0	2.0	3.0
3	Sheyenne (0)			3.0	3.0	4.0	3.0
4	AR13-131001			1.0	2.0	2.0	2.0
5	AR13-131002			1.0	3.0	2.0	1.0
6	AR13-131003			2.0	2.0	1.0	1.0
7	AR13-131005			1.0	2.0	1.0	1.0
8	AR13-131009			1.0	2.0	1.0	2.0
9	M08-208116			3.0	1.0	3.0	2.0
10	M08-208118			1.0	1.0	1.0	2.0
11	M08-328030			4.0	2.0	4.0	3.0
12	M08-344051			2.0	2.0	3.0	1.0
13	M08-354011			2.0	1.0	2.0	2.0
14	M08-359087			3.0	2.0	3.0	1.0
15	M08-359183			3.0	2.0	3.0	2.0
16	M08-362051			2.0	2.0	2.0	2.0
17	M08-365038			2.0	2.0	2.0	2.0
18	M08-365100			1.0	3.0	2.0	2.0
19	M08-603047			3.0	2.0	4.0	2.0
20	ORC 7612N			2.0	1.0	2.0	1.0

2014 SCN PRELIMINARY TEST I

Seed Weight (g/100)

		Mason City IA	Newell IA	Dekalb IL	Fairfax MN	Lamberton MN	Urbana IL
	SCN HG Type	2.5.7	IA	2.5.7	2.5.7	I	NI
	Strain						
1	MN1410			19.3	15.3	18.4	16.9
2	IA1022 (SCN)			19.2	15.1	16.8	16.2
3	Sheyenne (0)			17.9	15.4	19.3	17.6
4	AR13-131001			22.8	19.2	21.3	20.4
5	AR13-131002			19.2	13.5	18.0	17.7
6	AR13-131003			21.2	16.2	20.1	17.6
7	AR13-131005			22.1	18.5	22.0	19.1
8	AR13-131009			17.0	13.8	17.9	16.5
9	M08-208116			23.4	18.6	23.2	20.2
10	M08-208118			19.8	17.3	18.8	18.8
11	M08-328030			19.7	17.7	18.4	17.1
12	M08-344051			15.4	14.3	15.4	14.8
13	M08-354011			15.8	13.9	15.0	14.0
14	M08-359087			19.8	16.1	16.7	15.9
15	M08-359183			19.0	17.6	18.2	17.1
16	M08-362051			17.1	14.7	16.2	15.3
17	M08-365038			19.0	14.5	18.1	17.5
18	M08-365100			18.2	15.9	17.9	18.0
19	M08-603047			17.3	13.7	18.3	16.7
20	ORC 7612N			22.2	17.1	20.8	18.9

2014 SCN PRELIMINARY TEST I

Protein (%)

		Mason City IA	Newell IA	Dekalb IL	Fairfax MN	Lamberton MN	Urbana IL
	SCN HG Type	2.5.7	IA	2.5.7	2.5.7	I	NI
	Strain						
1	MN1410	34.1		39.0	35.4	35.8	34.1
2	IA1022 (SCN)	30.8		34.2	31.3	34.1	30.8
3	Sheyenne (0)	32.8		37.6	35.0	36.2	34.2
4	AR13-131001	33.9		37.6	35.2	34.9	36.1
5	AR13-131002	35.1		37.2	34.1	35.6	33.7
6	AR13-131003	32.3		36.1	35.3	36.9	32.8
7	AR13-131005	35.0		37.5	33.5	35.6	35.5
8	AR13-131009	35.8		36.9	34.8	37.1	33.2
9	M08-208116	36.7		40.6	37.2	39.3	35.0
10	M08-208118	35.5		36.9	38.0	36.9	34.3
11	M08-328030	36.4		40.7	38.1	38.6	37.7
12	M08-344051	29.5		33.3	31.7	34.2	32.5
13	M08-354011	33.0		36.2	34.5	36.9	33.9
14	M08-359087	32.2		37.2	36.0	34.3	33.9
15	M08-359183	35.1		38.7	35.6	35.5	36.2
16	M08-362051	33.2		36.9	33.8	35.4	34.1
17	M08-365038	30.6		33.1	33.6	34.0	31.6
18	M08-365100	33.4		35.8	33.7	37.0	33.4
19	M08-603047	32.7		34.3	33.3	36.1	33.8
20	ORC 7612N	33.2		38.3	34.2	35.9	33.1

2014 SCN PRELIMINARY TEST I

Oil (%)

		Mason City IA	Newell IA	Dekalb IL	Fairfax MN	Lamberton MN	Urbana IL
	SCN HG Type	2.5.7	IA	2.5.7	2.5.7	I	NI
	Strain						
1	MN1410	18.5		16.9	16.2	16.8	18.0
2	IA1022 (SCN)	18.9		18.3	17.3	18.8	19.5
3	Sheyenne (0)	18.4		17.0	16.6	18.1	18.7
4	AR13-131001	18.2		16.2	15.7	17.3	19.1
5	AR13-131002	16.7		16.3	15.0	17.0	18.7
6	AR13-131003	18.4		16.0	16.3	17.4	19.9
7	AR13-131005	16.9		16.4	16.6	18.6	17.9
8	AR13-131009	15.6		16.0	15.7	16.1	17.5
9	M08-208116	16.2		15.6	15.7	16.8	17.1
10	M08-208118	17.5		16.0	16.3	16.0	17.9
11	M08-328030	19.1		15.3	16.3	17.7	17.4
12	M08-344051	19.7		18.3	17.1	18.7	18.9
13	M08-354011	18.9		17.2	17.5	19.1	18.6
14	M08-359087	18.0		17.0	15.5	16.8	18.1
15	M08-359183	17.4		17.3	16.5	17.4	17.6
16	M08-362051	18.7		15.5	15.8	17.8	17.6
17	M08-365038	19.0		19.1	17.9	18.4	20.1
18	M08-365100	18.3		18.5	16.6	16.9	19.4
19	M08-603047	18.7		17.7	16.8	17.4	18.7
20	ORC 7612N	18.5		18.2	16.3	16.6	18.4

2014 SCN UNIFORM TEST II

	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	AR11-113050	PTbl	SS02-12014 x AR05-150119
6	AR12-127102	PLtbl	AR03-161009 x Syngenta 05JR200591
7	E05181-T	PGy	Loda x IA2053
8	E11095	PGibl	LD01-5907 x (GD0518 x LD01-7323)
9	E11128T	PGy	E05276-T x LD01-7323
10	LD10-2715	PGibl	LD03-10504 x LD00-2817P
11	LD10-5213a	PGbf	LD02-4485(5) x (Ina x PI 200538)
12	LD10-5587a	WLtbl	LD04-8782(2) x [LD03-6566 x ((LD02-4485 x (Ina x PI 200538))]
13	LD10-5903a	PGibl	M99-286047 x LD05-16638
14	LD10-8674	PGibl	LD04-8782 x LD02-4485
15	LD10-10198	PGy	LD05-3230 x LD00-3309
16	U11-611112	PLtbr	LD02-4485 x U03-100612
17	U11-919011	PLtbl	LD02-4485 x U03-300134

	Strain	Previous testing	Gen comp	SCN res source	Traits
1	IA2102	2	F4	None	
2	IA1022 (SCN)	6	F5	PI 88788	
3	IA3024	7	F5	None	1% linolenic
4	LD02-4485	9	F5	PI 88788	
5	AR11-113050	1	F5	PI 438489B,88788	
6	AR12-127102	13 SCN U I	F4	PI 507354,88788	
7	E05181-T	13 SCN P II	F5	PI 88788	
8	E11095	13 SCN P II	F5	P I88788,437654	
9	E11128T	13 SCN P II	F5	PI 88788	
10	LD10-2715	13 SCN P II	F5	P I88788,437654	
11	LD10-5213a	13 UPT IIA	F5	PI 88788	
12	LD10-5587a	13 UPT IIA	F5	PI 88788	
13	LD10-5903a	13 SCN U I	F5	PI 88788	Rag1
14	LD10-8674	13 SCN P II	F5	PI 88788	
15	LD10-10198	13 SCN P II	F5	PI 88788	
16	U11-611112	13 UPT IIB	F6	PI 88788	
17	U11-919011	13 UPT IIB	F6	PI 88788	

2014 SCN UNIFORM TEST II

		IL SCN screen				ISU IDC	MN IDC
		HG Type 0		HG Type 2.5.7		Res=2.3	Danvers
	Strain	FI	rating	score	rating	Sus=2.7	score
1	IA2102	7	HR	42	LR	1.6	2.4
2	IA1022 (SCN)	5	HR	40	LR	2.2	2.3
3	IA3024	68	NR	88	NR	3.0	2.8
4	LD02-4485	4	HR	19	R	3.0	2.4
5	AR11-113050	4	HR	16	R	2.8	2.7
6	AR12-127102	2	HR	24	R	1.9	2.7
7	E05181-T	3	HR	57	**	2.2	3.2
8	E11095	21	**	2	HR	2.9	2.7
9	E11128T	5	HR	58	LR	3.1	2.7
10	LD10-2715	6	HR	18	R	3.3	3.3
11	LD10-5213a	6	HR	24	R	1.5	2.4
12	LD10-5587a	8	HR	48	LR	2.2	2.5
13	LD10-5903a	5	HR	37	**	2.3	2.2
14	LD10-8674	4	HR	24	R	3.3	2.7
15	LD10-10198	5	HR	39	MR	2.6	1.7
16	U11-611112	27	**	61	NR	2.5	2.7
17	U11-919011	52	LR	83	NR	2.1	2.9

2014 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	12		10		2		9	9	9	9	9	10	10
1	IA2102	**62.9**	**6**	63.0	6	62.2	5	925	2.2	29	1.9	17.4	35.0	17.6
2	IA1022 (SCN)	**57.5**	**14**	59.5	11	47.3	17	-6	1.8	27	1.9	16.9	33.9	18.9
3	IA3024	**58.5**	**13**	57.4	15	64.1	2	3	1.6	29	1.8	17.0	33.8	17.9
4	LD02-4485	**64.5**	**2**	64.4	3	64.9	1	1	1.8	30	1.6	16.4	32.3	18.0
5	AR11-113050	**62.3**	**7**	62.8	7	60.2	10	-1	1.5	28	2.0	20.1	36.2	17.8
6	AR12-127102	**61.9**	**8**	61.7	9	62.7	4	1	1.9	31	1.7	20.0	35.2	17.2
7	E05181-T	**55.9**	**17**	56.4	16	53.2	15	-3	1.4	28	1.6	22.4	36.0	17.1
8	E11095	**57.0**	**15**	58.4	13	49.5	16	-1	1.5	26	1.8	17.0	32.6	18.4
9	E11128T	**59.5**	**11**	59.5	11	59.2	11	2	1.9	28	2.1	22.9	38.6	15.9
10	LD10-2715	**60.2**	**10**	60.0	10	60.8	8	1	2.0	28	1.4	15.2	33.9	18.6
11	LD10-5213a	**66.3**	**1**	66.8	1	63.6	3	2	1.6	29	1.7	17.7	33.1	18.3
12	LD10-5587a	**63.0**	**5**	64.1	5	57.4	13	6	2.2	28	2.2	17.7	34.1	18.1
13	LD10-5903a	**56.3**	**16**	55.4	17	60.4	9	-4	1.7	29	1.5	18.1	36.3	17.4
14	LD10-8674	**60.6**	**9**	61.8	8	54.6	14	-3	1.4	27	1.4	14.0	32.0	18.3
15	LD10-10198	**63.9**	**3**	65.0	2	57.9	12	3	1.4	30	1.6	15.2	34.3	17.0
16	U11-611112	**63.9**	**3**	64.3	4	61.8	6	1	2.0	31	1.9	15.2	32.5	18.3
17	U11-919011	**58.6**	**12**	58.1	14	61.1	7	-1	2.0	32	1.5	16.2	33.2	18.3
	Mean	**60.7**		61.1		58.9		0.0	1.7	28.9				
	LSD(.05)	**2.6**		3.1		4.5		1.1	0.3	1.0				
	C.V. %	9.4		9.9		6.6		8.3	27.7	6.9				

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	26		22		4		20	22	20	21	21	20	20
1	IA2102	**62.8**	**3**	63.6	3	58.2	4	925	2.2	32.5	1.7	17.0	34.5	18.1
2	IA1022 (SCN)	**58.0**	**4**	59.7	4	48.4	5	-5	1.8	31.0	1.7	16.8	33.4	19.3
3	IA3024	**57.7**	**5**	57.0	5	62.0	2	5	1.6	33.5	1.7	17.0	33.4	18.3
4	LD02- 4485	**64.4**	**1**	64.7	1	62.6	1	1	1.8	32.5	1.5	16.0	32.6	18.4
6	AR10-205011	**63.6**	**2**	64.1	2	60.3	3	0	1.4	31.0	1.8	19.5	35.9	18.4

2014 SCN UNFORM TEST II

Yield (bu/a)

		Ames IA	Moorhead IA	Pontiac IL	West Lafayette IN	Decatur MI	Fairfax MN	Lamber-ton MN	Platts-mouth NE
	SCN HG Type	1.2.5.7	2.5.7	2.5.7	2.5.7	I	2.5.7	I	2.5.7
	Strain								
1	IA2102	60.7	64.7	77.8	54.7	54.3	46.6	52.0	83.4
2	IA1022 (SCN)	67.4	80.3	65.9	47.0	34.2	36.1	53.0	74.8
3	IA3024	54.3	67.3	77.9	49.1	46.1	46.6	58.0	66.0
4	LD02-4485	65.7	73.5	77.7	62.6	63.2	37.6	48.0	82.9
5	AR11-113050	65.7	73.9	76.9	55.3	59.6	31.5	60.0	71.0
6	AR12-127102	62.8	59.3	75.0	55.7	61.0	42.1	54.0	77.9
7	E05181-T	60.6	58.6	71.5	53.8	35.2	35.2	55.0	65.5
8	E11095	61.4	55.1	72.1	51.6	49.2	42.4	54.0	72.3
9	E11128T	64.0	58.5	71.6	60.4	52.5	46.3	56.0	62.5
10	LD10-2715	60.4	58.8	77.4	59.1	52.5	43.4	52.0	72.6
11	LD10-5213a	64.7	75.3	78.6	59.3	65.8	46.7	57.0	81.0
12	LD10-5587a	67.0	74.7	80.7	56.0	62.2	43.3	52.0	85.0
13	LD10-5903a	65.1	59.3	63.0	52.4	47.6	38.2	54.0	58.4
14	LD10-8674	64.7	71.6	73.9	56.6	52.8	35.1	57.0	81.2
15	LD10-10198	66.8	74.7	80.5	58.5	52.0	39.6	58.0	82.7
16	U11-611112	65.0	69.5	75.8	64.5	72.7	40.2	52.0	76.9
17	U11-919011	60.3	57.4	76.9	65.6	49.2	31.4	56.0	67.8
	Average	63.3	66.6	74.9	56.6	53.5	40.1	54.0	74.2
	LSD(.05)	6.4	20.3	7.5	12.3	20.7	8.4	8.0	12.8
	C.V. %	4.8	14.3	4.7	13.9	15.0	10.4	10.0	7.0
	Replications	2	2	2	3	2	2	3	2
	Row width (in.)	30	30	30	30	30	30	30	30

2014 SCN UNFORM TEST II

Yield (bu/a)

		Chatham ON	Harrow ON	Urbana IL	Hoytville OH
	SCN HG Type	2.7	2.5.7	NI	NI
	Strain				
1	IA2102	66.9	67.0	68.7	55.5
2	IA1022 (SCN)	68.1	66.1	51.8	42.6
3	IA3024	45.8	60.4	70.2	57.8
4	LD02-4485	64.0	66.7	76.7	53.1
5	AR11-113050	62.2	68.9	61.6	58.6
6	AR12-127102	57.4	70.1	68.4	56.9
7	E05181-T	58.7	68.5	61.5	44.7
8	E11095	63.5	61.2	58.2	40.7
9	E11128T	59.0	62.4	60.7	57.5
10	LD10-2715	61.7	60.0	68.5	52.9
11	LD10-5213a	63.1	74.9	67.2	59.8
12	LD10-5587a	68.9	49.2	61.4	53.3
13	LD10-5903a	60.8	53.4	62.5	58.1
14	LD10-8674	61.2	62.2	63.0	46.0
15	LD10-10198	62.7	72.7	59.1	56.7
16	U11-611112	64.8	59.9	68.2	55.4
17	U11-919011	57.5	57.2	70.9	51.2
	Average	61.6	63.6	64.6	53.0
	LSD(.05)	11.8	10.4	7.6	5.5
	C.V. %	9.5	8.1	10.4	6.2
	Replications	3	3	2	3
	Row width (in.)	24	24	30	30

2014 SCN UNFORM TEST II

Yield (rank)

		Ames IA	Moorhead IA	Pontiac IL	West Lafayette IN	Decatur MI	Fairfax MN	Lamber-ton MN	Platts-mouth NE
	SCN HG Type	1.2.5.7	2.5.7	2.5.7	2.5.7	I	2.5.7	I	2.5.7
	Strain								
1	IA2102	13	10	5	12	7	2	15	2
2	IA1022 (SCN)	1	1	16	17	17	13	12	9
3	IA3024	17	9	4	16	15	2	2	14
4	LD02-4485	4	6	6	3	3	12	17	3
5	AR11-113050	5	5	8	11	6	16	1	12
6	AR12-127102	11	11	11	10	5	8	10	7
7	E05181-T	14	14	15	13	16	14	8	15
8	E11095	12	17	13	15	12	7	10	11
9	E11128T	10	15	14	4	9	4	6	16
10	LD10-2715	15	13	7	6	9	5	13	10
11	LD10-5213a	9	2	3	5	2	1	4	6
12	LD10-5587a	2	3	1	9	4	6	14	1
13	LD10-5903a	6	12	17	14	14	11	9	17
14	LD10-8674	8	7	12	8	8	15	5	5
15	LD10-10198	3	4	2	7	11	10	3	4
16	U11-611112	7	8	10	2	1	9	16	8
17	U11-919011	16	16	8	1	12	17	7	13

2014 SCN UNFORM TEST II

Yield (rank)

		Chatham ON	Harrow ON	Urbana IL	Hoytville OH
	SCN HG Type	2.7	2.5.7	NI	NI
	Strain				
1	IA2102	3	6	4	8
2	IA1022 (SCN)	2	8	17	16
3	IA3024	17	12	3	4
4	LD02-4485	5	7	1	11
5	AR11-113050	9	4	11	2
6	AR12-127102	16	3	6	6
7	E05181-T	14	5	12	15
8	E11095	6	11	16	17
9	E11128T	13	9	14	5
10	LD10-2715	10	13	5	12
11	LD10-5213a	7	1	8	1
12	LD10-5587a	1	17	13	10
13	LD10-5903a	12	16	10	3
14	LD10-8674	11	10	9	14
15	LD10-10198	8	2	15	7
16	U11-611112	4	14	7	9
17	U11-919011	15	15	2	13

2014 SCN UNIFORM TEST II

Maturity

		Ames	Moorhead	Pontiac	West Lafayette	Decatur	Fairfax	Lamber-ton	Platts-mouth
		IA	IA	IL	IN	MI	MN	MN	NE
	SCN HG Type	1.2.5.7	2.5.7	2.5.7	2.5.7	I	2.5.7	I	2.5.7
	Strain								
1	IA2102	9/26		9/13	9/19			10/9	9/20
2	IA1022 (SCN)	7		-8	-3			-9	-5
3	IA3024	11		7	0			-2	9
4	LD02-4485	8		0	3			-5	1
5	AR11-113050	3		-1	4			-8	1
6	AR12-127102	9		-1	4			-3	-2
7	E05181-T	3		-8	4			-7	-3
8	E11095	3		-4	0			-7	-2
9	E11128T	5		-2	3			0	2
10	LD10-2715	4		-5	5			-2	0
11	LD10-5213a	8		0	3			3	3
12	LD10-5587a	12		10	5			5	5
13	LD10-5903a	0		-7	1			-7	1
14	LD10-8674	4		-6	-1			-5	-2
15	LD10-10198	10		4	2			-1	4
16	U11-611112	10		0	3			0	0
17	U11-919011	4		-3	0			-2	-1
	Planted	5/23	5/21	5/7	5/26	5/5	5/30	5/15	5/21

Maturity

		Chatham ON	Harrow ON	Urbana IL	Hoytville OH
	SCN HG Type	2.7	2.5.7	NI	NI
	Strain				
1	IA2102	10/5	9/29	9/17	9/25
2	IA1022 (SCN)	-9	-9	-11	-5
3	IA3024	-5	2	4	4
4	LD02-4485	-3	0	3	2
5	AR11-113050	-2	-3	-3	3
6	AR12-127102	2	-1	-2	3
7	E05181-T	-6	-9	-2	0
8	E11095	-4	-6	3	5
9	E11128T	0	2	1	4
10	LD10-2715	-5	5	3	3
11	LD10-5213a	-3	-3	4	4
12	LD10-5587a	3	6	4	6
13	LD10-5903a	-5	-6	-9	-2
14	LD10-8674	-9	-7	-3	0
15	LD10-10198	-1	2	2	5
16	U11-611112	-4	-6	3	3
17	U11-919011	-5	-1	-1	-1
	Planted	5/29	6/3	5/21	5/31

2014 SCN UNIFORM TEST II

Lodging (score)

		Ames	Moorhead	Pontiac	West Lafayette	Decatur	Fairfax	Lamber-ton	Platts-mouth
		IA	IA	IL	IN	MI	MN	MN	NE
	SCN HG Type	1.2.5.7	2.5.7	2.5.7	2.5.7	I	2.5.7	I	2.5.7
	Strain								
1	IA2102		2.5	3.0	1.7			2.0	2.3
2	IA1022 (SCN)		3.0	3.0	1.0			1.0	2.0
3	IA3024		2.3	2.3	1.2			2.0	1.8
4	LD02-4485		2.5	2.5	1.2			2.0	2.5
5	AR11-113050		2.5	1.5	1.2			1.0	1.8
6	AR12-127102		2.5	2.3	1.3			2.0	1.8
7	E05181-T		1.8	1.5	1.2			1.0	1.8
8	E11095		2.0	2.3	1.2			1.0	1.8
9	E11128T		2.3	2.0	1.3			2.0	1.8
10	LD10-2715		2.5	2.0	1.0			2.0	2.0
11	LD10-5213a		2.0	1.8	1.2			2.0	1.5
12	LD10-5587a		2.8	3.3	1.2			2.0	1.8
13	LD10-5903a		2.0	1.5	1.2			2.0	2.0
14	LD10-8674		2.3	1.5	1.0			1.0	1.8
15	LD10-10198		2.5	1.5	1.0			1.0	1.5
16	U11-611112		2.0	2.8	1.7			2.0	2.3
17	U11-919011		2.5	2.5	1.8			2.0	1.8

2014 SCN UNIFORM TEST II

Lodging (score)

		Chatham ON	Harrow ON	Urbana IL	Hoytville OH
	SCN HG Type	2.7	2.5.7	NI	NI
	Strain				
1	IA2102	2.5	2.3	2.3	1.0
2	IA1022 (SCN)	2.5	1.0	1.8	1.0
3	IA3024	1.0	1.7	1.5	1.0
4	LD02-4485	1.7	1.5	1.5	1.0
5	AR11-113050	1.8	1.5	1.5	1.0
6	AR12-127102	2.8	1.8	1.5	1.0
7	E05181-T	1.8	1.0	1.5	1.0
8	E11095	2.0	1.0	1.5	1.0
9	E11128T	2.3	2.5	1.5	1.0
10	LD10-2715	2.8	3.8	1.3	1.0
11	LD10-5213a	2.3	1.2	1.5	1.0
12	LD10-5587a	4.2	2.3	1.3	1.0
13	LD10-5903a	2.3	2.0	1.0	1.0
14	LD10-8674	1.7	1.0	1.5	1.0
15	LD10-10198	1.7	1.8	1.0	1.0
16	U11-611112	2.3	1.5	2.3	1.0
17	U11-919011	2.3	2.2	1.8	1.0

2014 SCN UNIFORM TEST II

Height (inches)

		Ames	Moorhead	Pontiac	West Lafayette	Decatur	Fairfax	Lamber-ton	Platts-mouth
		IA	IA	IL	IN	MI	MN	MN	NE
	SCN HG Type	1.2.5.7	2.5.7	2.5.7	2.5.7	I	2.5.7	I	2.5.7
	Strain								
1	IA2102		37	39	29			31	27
2	IA1022 (SCN)		40	38	25			27	26
3	IA3024		38	40	29			31	26
4	LD02-4485		39	36	33			31	26
5	AR11-113050		37	35	29			29	23
6	AR12-127102		40	41	35			33	26
7	E05181-T		33	36	28			29	25
8	E11095		33	34	26			30	23
9	E11128T		35	36	30			29	23
10	LD10-2715		38	36	29			29	26
11	LD10-5213a		39	37	30			28	26
12	LD10-5587a		39	38	27			29	24
13	LD10-5903a		35	37	29			29	25
14	LD10-8674		39	36	27			28	23
15	LD10-10198		41	35	30			30	29
16	U11-611112		42	40	32			31	29
17	U11-919011		41	40	35			33	27

2014 SCN UNIFORM TEST II

Height (inches)

		Chatham ON	Harrow ON	Urbana IL	Hoytville OH
	SCN HG Type	2.7	2.5.7	NI	NI
	Strain				
1	IA2102	36	38	31	25
2	IA1022 (SCN)	33	36	30	21
3	IA3024	34	39	35	25
4	LD02-4485	35	39	37	23
5	AR11-113050	35	37	33	24
6	AR12-127102	39	41	36	25
7	E05181-T	35	36	34	21
8	E11095	35	35	28	21
9	E11128T	35	39	33	24
10	LD10-2715	34	37	31	23
11	LD10-5213a	37	36	31	23
12	LD10-5587a	36	39	30	23
13	LD10-5903a	37	38	33	24
14	LD10-8674	35	35	30	20
15	LD10-10198	37	39	32	25
16	U11-611112	41	40	34	25
17	U11-919011	40	46	34	25

2014 SCN UNIFORM TEST II

Seed Quality (score)

		Ames	Moorhead	Pontiac	West Lafayette	Decatur	Fairfax	Lamber-ton	Platts-mouth
		IA	IA	IL	IN	MI	MN	MN	NE
	SCN HG Type	1.2.5.7	2.5.7	2.5.7	2.5.7	I	2.5.7	I	2.5.7
	Strain								
1	IA2102			2.0	2.0		2.0	2.0	2.0
2	IA1022 (SCN)			2.0	2.0		2.0	2.0	2.0
3	IA3024			3.0	2.0		4.0	1.0	2.0
4	LD02-4485			2.0	1.0		2.0	1.0	2.0
5	AR11-113050			2.0	1.0		5.0	2.0	2.0
6	AR12-127102			2.0	2.0		3.0	1.0	2.0
7	E05181-T			3.0	2.0		1.0	1.0	2.0
8	E11095			2.0	2.0		3.0	1.0	2.0
9	E11128T			4.0	2.0		2.0	2.0	2.0
10	LD10-2715			1.0	1.0		2.0	1.0	2.0
11	LD10-5213a			2.0	2.0		2.0	1.0	2.0
12	LD10-5587a			1.0	1.0		5.0	2.0	2.0
13	LD10-5903a			1.0	1.0		2.0	2.0	2.0
14	LD10-8674			2.0	1.0		1.0	1.0	2.0
15	LD10-10198			3.0	1.0		2.0	2.0	1.0
16	U11-611112			2.0	2.0		3.0	3.0	2.0
17	U11-919011			2.0	2.0		1.0	2.0	2.0

2014 SCN UNIFORM TEST II

Seed Quality (score)

		Chatham ON	Harrow ON	Urbana IL	Hoytville OH
	SCN HG Type	2.7	2.5.7	NI	NI
	Strain				
1	IA2102	2.0	1.7	2.0	1.0
2	IA1022 (SCN)	2.3	1.7	2.0	1.0
3	IA3024	1.0	1.0	1.0	1.0
4	LD02-4485	1.0	1.0	3.0	1.0
5	AR11-113050	1.0	2.0	2.0	1.0
6	AR12-127102	1.7	1.0	2.0	1.0
7	E05181-T	1.0	1.0	2.0	1.0
8	E11095	1.0	1.0	3.0	1.0
9	E11128T	1.3	1.7	3.0	1.0
10	LD10-2715	1.3	1.3	2.0	1.0
11	LD10-5213a	2.0	1.3	2.0	1.0
12	LD10-5587a	2.0	4.0	2.0	1.0
13	LD10-5903a	1.3	1.3	2.0	1.0
14	LD10-8674	1.0	1.3	2.0	1.0
15	LD10-10198	1.3	1.3	2.0	1.0
16	U11-611112	1.0	1.0	2.0	1.0
17	U11-919011	1.3	1.0	1.0	1.0

2014 SCN UNIFORM TEST II

Seed Weight (g/100)

		Ames IA	Moorhead IA	Pontiac IL	West Lafayette IN	Decatur MI	Fairfax MN	Lamber-ton MN	Platts-mouth NE
	SCN HG Type	1.2.5.7	2.5.7	2.5.7	2.5.7	I	2.5.7	I	2.5.7
	Strain								
1	IA2102	17.6	15.9		14.5	16.1	18.1	17.6	15.9
2	IA1022 (SCN)	16.5	14.7		15.0	16.5	19.6	16.5	14.7
3	IA3024	18.4	13.4		15.6	16.5	18.7	18.4	13.4
4	LD02-4485	16.6	15.4		14.2	14.9	17.9	16.6	15.4
5	AR11-113050	21.4	18.9		18.0	17.7	22.6	21.4	18.9
6	AR12-127102	21.1	19.0		17.2	19.0	21.4	21.1	19.0
7	E05181-T	23.6	19.5		18.5	22.4	26.5	23.6	19.5
8	E11095	17.6	14.6		14.1	15.8	17.7	17.6	14.6
9	E11128T	23.7	22.9		19.1	21.0	25.2	23.7	22.9
10	LD10-2715	15.5	13.9		13.0	13.2	18.1	15.5	13.9
11	LD10-5213a	17.7	14.8		16.0	16.3	19.7	17.7	14.8
12	LD10-5587a	18.0	13.8		14.3	18.1	21.3	18.0	13.8
13	LD10-5903a	18.7	14.5		15.7	16.9	19.4	18.7	14.5
14	LD10-8674	13.4	12.0		11.9	17.1	16.0	13.4	12.0
15	LD10-10198	15.3	13.0		14.2	14.4	17.5	15.3	13.0
16	U11-611112	15.0	13.3		12.9	14.5	17.7	15.0	13.3
17	U11-919011	15.1	15.1		12.2	16.1	18.9	15.1	15.1

2014 SCN UNIFORM TEST II

Seed Weight (g/100)

		Chatham ON	Harrow ON	Urbana IL	Hoytville OH
	SCN HG Type	2.7	2.5.7	NI	NI
	Strain				
1	IA2102	20.8	19.8	16.4	17.1
2	IA1022 (SCN)	18.1	18.9	14.8	17.7
3	IA3024	16.0	20.0	16.3	18.0
4	LD02-4485	18.4	18.2	16.9	15.3
5	AR11-113050	22.8	20.8	19.5	18.8
6	AR12-127102	22.5	20.9	19.3	19.3
7	E05181-T	24.1	22.7	22.0	22.1
8	E11095	20.2	18.4	17.4	17.0
9	E11128T	25.8	24.0	22.7	22.0
10	LD10-2715	16.4	16.3	14.7	15.3
11	LD10-5213a	20.9	20.3	16.3	17.4
12	LD10-5587a	21.2	17.1	16.0	19.3
13	LD10-5903a	21.8	20.0	17.9	18.2
14	LD10-8674	15.4	14.5	12.2	13.7
15	LD10-10198	16.5	16.3	13.3	16.3
16	U11-611112	18.2	15.0	14.6	15.8
17	U11-919011	18.7	16.7	16.3	16.7

2014 SCN UNIFORM TEST II

Protein (%)

		Ames IA	Moorhead IA	Pontiac IL	West Lafayette IN	Decatur MI	Fairfax MN	Lamber-ton MN	Platts-mouth NE
	SCN HG Type	1.2.5.7	2.5.7	2.5.7	2.5.7	I	2.5.7	I	2.5.7
	Strain								
1	IA2102	35.0		33.6	35.1		33.3	36.3	33.6
2	IA1022 (SCN)	36.9		32.3	35.4		32.2	34.1	33.6
3	IA3024	35.1		33.3	34.3		31.3	34.3	34.6
4	LD02-4485	34.2		30.3	33.8		31.8	33.2	31.4
5	AR11-113050	38.2		35.0	37.2		34.5	35.9	36.3
6	AR12-127102	35.4		35.7	36.8		34.0	34.3	35.3
7	E05181-T	38.3		35.2	36.9		35.2	35.1	34.9
8	E11095	35.2		30.2	34.5		31.1	35.1	32.4
9	E11128T	39.7		39.0	37.0		36.4	39.0	37.6
10	LD10-2715	34.7		33.4	35.3		32.3	34.6	34.7
11	LD10-5213a	31.7		32.3	36.2		32.7	32.0	33.4
12	LD10-5587a	37.3		33.8	33.0		34.5	32.6	33.2
13	LD10-5903a	38.0		35.0	37.1		34.9	36.5	35.4
14	LD10-8674	33.2		29.6	32.6		31.1	34.1	31.7
15	LD10-10198	35.5		32.7	34.2		33.4	35.7	33.9
16	U11-611112	33.2		30.8	33.1		32.0	33.5	33.4
17	U11-919011	32.3		32.7	34.2		32.6	34.1	33.3

2014 SCN UNIFORM TEST II

Protein (%)

		Chatham ON	Harrow ON	Urbana IL	Hoytville OH
	SCN HG Type	2.7	2.5.7	NI	NI
	Strain				
1	IA2102	36.9	36.0	33.9	36.2
2	IA1022 (SCN)	34.5	34.1	33.6	32.3
3	IA3024	34.5	35.5	32.7	32.1
4	LD02-4485	34.9	34.6	29.6	28.8
5	AR11-113050	37.8	37.2	33.7	36.0
6	AR12-127102	37.0	36.0	32.8	34.5
7	E05181-T	37.6	37.3	34.2	35.8
8	E11095	34.8	33.2	29.7	30.1
9	E11128T	41.3	39.8	38.1	37.7
10	LD10-2715	35.3	34.9	31.8	32.0
11	LD10-5213a	36.5	34.2	30.9	31.4
12	LD10-5587a	35.8	34.9	32.8	33.6
13	LD10-5903a	38.7	37.8	34.2	35.0
14	LD10-8674	33.8	32.9	29.3	31.3
15	LD10-10198	36.7	35.7	31.5	33.8
16	U11-611112	34.3	33.6	30.0	31.3
17	U11-919011	35.9	35.0	30.2	31.8

2014 SCN UNIFORM TEST II

Oil (%)

		Ames	Moorhead	Pontiac	West Lafayette	Decatur	Fairfax	Lamber-ton	Platts-mouth
		IA	IA	IL	IN	MI	MN	MN	NE
	SCN HG Type	1.2.5.7	2.5.7	2.5.7	2.5.7	I	2.5.7	I	2.5.7
	Strain								
1	IA2102	17.9		17.2	19.0		16.3	16.1	17.9
2	IA1022 (SCN)	16.4		19.9	20.1		17.4	17.9	18.8
3	IA3024	17.4		18.4	18.6		17.0	16.9	16.8
4	LD02-4485	16.7		17.7	18.1		17.1	17.2	18.2
5	AR11-113050	16.9		17.2	18.9		16.7	17.0	18.3
6	AR12-127102	16.6		16.8	17.9		16.7	15.6	17.4
7	E05181-T	17.1		17.4	17.7		15.3	15.2	17.6
8	E11095	17.1		18.6	18.9		16.3	17.0	18.2
9	E11128T	15.0		14.9	17.1		15.0	15.1	16.3
10	LD10-2715	17.8		18.4	18.8		17.1	17.7	18.3
11	LD10-5213a	18.0		17.6	19.3		17.5	16.7	18.6
12	LD10-5587a	17.2		18.1	19.8		16.2	17.0	17.9
13	LD10-5903a	16.1		18.0	18.5		16.3	17.1	17.4
14	LD10-8674	16.8		19.2	19.0		16.3	16.8	18.4
15	LD10-10198	15.2		16.9	17.5		16.1	16.4	17.8
16	U11-611112	17.0		17.3	19.3		16.8	17.4	18.9
17	U11-919011	17.3		18.5	18.3		16.9	16.6	19.3

2014 SCN UNIFORM TEST II

Oil (%)

		Chatham ON	Harrow ON	Urbana IL	Hoytville OH
	SCN HG Type	2.7	2.5.7	NI	NI
	Strain				
1	IA2102	17.6	18.3	18.3	17.7
2	IA1022 (SCN)	20.0	20.3	19.1	19.0
3	IA3024	18.7	18.0	18.6	18.5
4	LD02-4485	18.7	19.1	18.6	18.8
5	AR11-113050	18.0	18.7	19.0	17.7
6	AR12-127102	16.7	17.9	17.8	18.6
7	E05181-T	17.7	18.3	17.8	17.1
8	E11095	18.8	20.0	19.9	19.4
9	E11128T	16.0	16.6	17.5	15.7
10	LD10-2715	18.9	19.6	20.7	19.1
11	LD10-5213a	18.0	19.7	19.4	17.9
12	LD10-5587a	18.0	19.0	20.0	18.0
13	LD10-5903a	17.5	17.7	18.0	17.6
14	LD10-8674	18.6	19.4	19.7	18.6
15	LD10-10198	17.0	17.3	17.9	17.5
16	U11-611112	18.7	19.7	19.7	18.2
17	U11-919011	18.4	18.7	19.0	19.6

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2014 SCN PRELIMINARY TEST II

	Strain	Descriptive code	Parentage	Gen. Comp.	SCN res source	Traits
1	IA2102	WGy	A04-545045 x AgriPro 98180-A01-06131	F4	None	F4
2	IA1022 (SCN)	PGy	Dairyland 98822 x A00-711024	F5	PI88788	F5
3	IA3024	PLtibl	A97-553017 x Pioneer YB33A99	F5	None	F5
4	LD02- 4485	PGbf	M90-184111 x IA3010	F5	PI88788	F5
5	AR13-231010	PGibl	AR07-175036 x AR05-150139	F5	PI 90763,88788	F5
6	AR13-231013	PLtbl	AR05-250103 x PI 567354	F5	PI 567354,88788	F5
7	E12007	PTbl	E00003 x U03-300134	F5	PI 88788	F5
8	E12023	PTbl	E05053 x U03-300134	F5	PI 88788	F5
9	E12061	PLtbl	U03-300134 x Skylla	F5	PI 88788	F5
10	E12076	WGy	LD01-7323 x U01-390489	F5	PI 88788	F5
11	E12377	PLtgr	E07048 x E08242	F4	PI 88788	F4
12	LD10-14323	PGy	LD01-7323(5) x (LD01-7323 x 98-2-3)	F5	PI88788	F5
13	LD11-4787a	PGy	LD01-7323 x APXG05-12-1-13	F5	PI88788	F5
14	LD11-6066	PGgr	IA1022 x Dairyland 99753-81	F5	PI88788	F5
15	LD11-6087	PGibl	IA1022 x Dairyland 99753-81	F5	PI88788	F5
16	LD11-6797	P+WGbf/ibl	LD03-6566 x IA1022	F5	PI88788	F5
17	M08-344021	WGbf	LD00-2187 X MN0308CN	F5	PI 88788	F5
18	M08-344109	WGy	LD00-2187 X MN0308CN	F5	PI 88788	F5
19	ORC 5811N	PTy	LD01-7323 x LG00-6925	F6	PI 88788	F6

2014 SCN PRELIMINARY TEST II

	IL SCN screen				ISU IDC	MN IDC
	HG Type 0		HG Type 2.5.7		Res=2.3	Danvers
Strain	FI	rating	score	rating	Sus=2.7	score
1 IA2102	7	HR	42	LR	1.6	2.8
2 IA1022 (SCN)	5	HR	40	LR	2.2	3.2
3 IA3024	68	NR	88	NR	3.0	2.7
4 LD02- 4485	4	HR	19	R	3.0	2.3
5 AR13-231010	15	R	54	LR	2.3	2.4
6 AR13-231013	68	NR	104	NR	2.8	2.8
7 E12007	75	NR	80	NR	1.7	2.9
8 E12023	69	NR	99	NR	2.5	2.9
9 E12061	76	NR	83	NR	2.4	3.1
10 E12076	13	R	59	LR	2.8	3.3
11 E12377	51	LR	75	NR	3.5	3.4
12 LD10-14323	5	HR	28	MR	3.3	3.1
13 LD11-4787a	8	HR	57	LR	3.0	2.4
14 LD11-6066	11	R	54	LR	2.5	3.2
15 LD11-6087	71	NR	107	NR	2.5	3.2
16 LD11-6797	2	HR	11	R	2.0	3.6
17 M08-344021	7	R	42	LR	1.7	3.3
18 M08-344109	9	HR	28	MR	1.6	2.7
19 ORC 5811N	2	HR	24	R	2.4	3.4

**too variable to rate

2014 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	7		6		1		5	5	5	5	5	6	6
1	IA2102	**64.3**	**2**	62.8	4	73.9	1	9/20	2.3	32	2.6	16.3	34.4	17.6
2	IA1022 (SCN)	**59.4**	**14**	60.5	9	52.4	19	-5	2.2	32	2.2	16.7	33.4	18.8
3	IA3024	**61.6**	**9**	59.9	11	71.7	4	5	2.0	34	1.8	17.8	33.9	17.4
4	LD02- 4485	**66.7**	**1**	65.8	1	72.1	3	2	2.1	34	2.4	15.9	31.9	17.9
5	AR13-231010	**62.7**	**4**	61.9	7	67.5	8	2	2.1	33	2.0	17.5	33.2	17.5
6	AR13-231013	**59.1**	**15**	58.3	14	64.1	10	-2	1.8	33	1.8	17.0	34.8	16.8
7	E12007	**62.2**	**6**	60.4	10	73.2	2	4	2.0	37	2.2	15.1	34.5	17.4
8	E12023	**60.2**	**12**	58.8	13	68.7	7	5	2.1	34	2.4	15.4	34.9	17.1
9	E12061	**53.8**	**19**	50.9	19	71.4	5	1	1.6	31	1.6	16.3	33.5	17.7
10	E12076	**64.0**	**3**	64.0	2	64.1	10	3	2.3	33	1.8	17.4	34.2	17.1
11	E12377	**60.1**	**13**	58.3	14	71.1	6	1	2.2	34	2.0	16.8	33.6	17.7
12	LD10-14323	**62.5**	**5**	63.1	3	58.6	14	-1	2.2	31	2.6	17.2	35.3	17.3
13	LD11-4787a	**61.7**	**8**	62.1	6	59.8	13	-1	1.9	32	1.8	17.0	35.0	17.5
14	LD11-6066	**58.8**	**16**	57.9	16	64.0	12	1	2.0	31	2.2	16.8	33.5	18.1
15	LD11-6087	**60.9**	**10**	59.9	11	67.0	9	4	2.0	32	2.8	16.0	33.0	18.2
16	LD11-6797	**62.0**	**7**	62.7	5	58.3	15	2	1.7	35	2.0	16.8	32.5	19.0
17	M08-344021	**57.5**	**17**	57.7	17	56.4	17	1	1.6	33	2.6	15.8	32.7	18.5
18	M08-344109	**54.6**	**18**	54.8	18	53.3	18	1	2.7	37	2.6	15.4	35.1	17.6
19	ORC 5811N	**60.5**	**11**	60.9	8	57.9	16	-4	2.1	32	2.2	18.5	35.8	17.6
	Mean	**60.7**		60.0		64.5		1.0	2.0	33.0				
	LSD(.05)	**4.1**		4.7		6.5		1.6	0.4	2.0				
	C.V. %	**9.1**		9.7		4.8		9.8	20.0	6.7				

2014 SCN PRELIMINARY TEST II

Yield (bu/a)

		Ames	Moorhead	Pontiac	Decatur	Fairfax	Lamber-ton	Platts-mouth	Urbana
		IA	IA	IL	MI	MN	MN	NE	IL
	SCN HG Type	1.2.5.7	2.5.7	2.5.7	I	2.5.7	I	2.5.7	NI
	Strain								
1	IA2102	64.2	65.7	79.8	43.6	48.4	54.0	63.8	73.9
2	IA1022 (SCN)	66.1	66.3	68.2	19.3	49.2	50.0	63.3	52.4
3	IA3024	52.5	65.8	79.3	18.0	52.2	52.6	57.1	71.7
4	LD02- 4485	63.2	69.7	79.5	49.0	49.0	59.0	74.3	72.1
5	AR13-231010	66.2	71.0	73.5	43.4	53.2	48.1	59.7	67.5
6	AR13-231013	54.1	64.7	77.1	42.8	42.8	51.3	59.9	64.1
7	E12007	50.6	63.4	77.8	48.4	43.7	59.4	67.0	73.2
8	E12023	45.2	66.0	76.6	26.1	44.0	51.2	69.7	68.7
9	E12061	50.7	47.5	65.9	30.4	40.7	48.6	51.8	71.4
10	E12076	62.4	75.3	73.4	35.1	45.7	53.7	73.8	64.1
11	E12377	51.4	59.7	71.8	48.5	41.2	47.5	78.3	71.1
12	LD10-14323	59.7	56.5	78.3	47.3	52.6	56.6	75.0	58.6
13	LD11-4787a	62.2	69.0	73.6	39.0	43.3	55.4	68.5	59.8
14	LD11-6066	58.4	50.4	75.1	24.2	46.1	52.2	65.3	64.0
15	LD11-6087	54.6	66.0	77.7	25.2	43.5	53.5	63.8	67.0
16	LD11-6797	66.4	58.0	80.5	33.0	49.6	47.4	74.0	58.3
17	M08-344021	51.1	69.2	66.1	45.0	46.3	55.1	58.5	56.4
18	M08-344109	59.7	56.6	66.0	41.8	48.2	51.8	46.8	53.3
19	ORC 5811N	58.4	73.8	73.4	29.1	49.5	53.5	57.0	57.9
	Average	57.7	63.9	74.4	36.2	46.8	52.7	64.6	64.5
	LSD(.05)	12.8	15.8	6.8	23.3	9.8	8.0	14.8	6.5
	C.V. %	10.4	11.8	4.3	25.2*	10.2	7.4	9.3	4.8
	Replications	2	2	2	2	2	2	2	2
	Row width (in.)	30	30	30	30	30	30	30	30

2014 SCN PRELIMINARY TEST II

Yield (rank)

		Ames	Moorhead	Pontiac	Decatur	Fairfax	Lamber-ton	Platts-mouth	Urbana
		IA	IA	IL	MI	MN	MN	NE	IL
	SCN HG Type	1.2.5.7	2.5.7	2.5.7	I	2.5.7	I	2.5.7	NI
	Strain								
1	IA2102	18	11	2	6	8	6	10	1
2	IA1022 (SCN)	3	7	16	18	6	15	12	19
3	IA3024	13	10	4	19	3	10	16	4
4	LD02- 4485	4	4	3	1	7	2	3	3
5	AR13-231010	2	3	12	7	1	17	14	8
6	AR13-231013	12	12	8	8	17	13	13	10
7	E12007	19	13	6	3	14	1	8	2
8	E12023	17	9	9	15	13	14	6	7
9	E12061	16	19	19	13	19	16	18	5
10	E12076	5	1	13	11	12	7	5	10
11	E12377	14	14	15	2	18	18	1	6
12	LD10-14323	7	17	5	4	2	3	2	14
13	LD11-4787a	6	5	11	10	16	4	7	13
14	LD11-6066	10	18	10	17	11	11	9	12
15	LD11-6087	11	8	7	16	15	8	10	9
16	LD11-6797	1	15	1	12	4	19	4	15
17	M08-344021	15	6	17	5	10	5	15	17
18	M08-344109	8	16	18	9	9	12	19	18
19	ORC 5811N	9	2	13	14	5	8	17	16

2014 SCN PRELIMINARY TEST II

Maturity

		Ames IA	Moorhead IA	Pontiac IL	Decatur MI	Fairfax MN	Lamber-ton MN	Platts-mouth NE	Urbana IL
	SCN HG Type	1.2.5.7	2.5.7	2.5.7	I	2.5.7	I	2.5.7	NI
	Strain								
1	IA2102	9/29		9/13			10/6	9/22	9/19
2	IA1022 (SCN)	2		-8			-6	-4	-9
3	IA3024	8		5			7	10	4
4	LD02- 4485	5		1			8	-2	3
5	AR13-231010	2		3			2	5	3
6	AR13-231013	-2		-6			3	1	-6
7	E12007	8		4			2	8	3
8	E12023	7		8			2	6	7
9	E12061	4		-5			6	3	0
10	E12076	11		12			-11	5	3
11	E12377	6		3			-9	1	5
12	LD10-14323	5		2			-7	-1	4
13	LD11-4787a	1		-5			4	-2	1
14	LD11-6066	4		-4			5	4	1
15	LD11-6087	9		4			7	7	3
16	LD11-6797	8		0			7	3	-4
17	M08-344021	3		0			3	1	2
18	M08-344109	5		4			-3	0	3
19	ORC 5811N	-3		-7			3	-8	-9
	Planted	5/23	5/21	5/7	5/5	5/30	5/15	5/21	5/21

2014 SCN PRELIMINARY TEST II

Lodging (score)

		Ames	Moorhead	Pontiac	Decatur	Fairfax	Lamber-ton	Platts-mouth	Urbana
		IA	IA	IL	MI	MN	MN	NE	IL
	SCN HG Type	1.2.5.7	2.5.7	2.5.7	I	2.5.7	I	2.5.7	NI
	Strain								
1	IA2102		2.5	2.5			2.0	2.0	2.3
2	IA1022 (SCN)		2.5	3.3			1.0	2.3	1.8
3	IA3024		2.5	2.3			2.0	1.5	1.8
4	LD02- 4485		2.5	2.8			1.5	2.0	1.8
5	AR13-231010		2.5	2.0			2.0	2.3	1.5
6	AR13-231013		2.0	2.0			2.0	1.8	1.3
7	E12007		2.5	2.5			1.5	1.8	1.8
8	E12023		2.8	2.3			2.0	1.8	1.8
9	E12061		2.3	1.3			1.5	1.3	1.5
10	E12076		2.8	2.5			2.0	2.3	2.0
11	E12377		2.8	2.5			2.0	1.5	2.0
12	LD10-14323		3.0	2.5			2.0	2.0	1.5
13	LD11-4787a		2.3	2.0			1.5	2.0	1.5
14	LD11-6066		2.5	2.0			2.0	1.8	1.8
15	LD11-6087		2.5	2.5			1.5	1.8	1.5
16	LD11-6797		2.3	1.8			1.0	1.8	1.5
17	M08-344021		2.0	1.8			1.5	1.5	1.0
18	M08-344109		2.8	4.0			1.5	3.3	2.0
19	ORC 5811N		2.8	2.3			1.5	2.3	1.5

2014 SCN PRELIMINARY TEST II

Height (inches)

		Ames	Moorhead	Pontiac	Decatur	Fairfax	Lamber-ton	Platts-mouth	Urbana
		IA	IA	IL	MI	MN	MN	NE	IL
	SCN HG Type	1.2.5.7	2.5.7	2.5.7	I	2.5.7	I	2.5.7	NI
	Strain								
1	IA2102		33	39			28	25	33
2	IA1022 (SCN)		39	39			28	27	28
3	IA3024		41	39			31	25	35
4	LD02- 4485		41	39			29	26	34
5	AR13-231010		39	38			31	24	32
6	AR13-231013		39	37			30	25	33
7	E12007		43	43			28	28	41
8	E12023		41	40			32	25	34
9	E12061		33	36			29	23	33
10	E12076		41	32			28	30	36
11	E12377		41	38			32	27	32
12	LD10-14323		35	37			28	23	30
13	LD11-4787a		36	36			34	24	31
14	LD11-6066		34	37			29	24	32
15	LD11-6087		39	39			32	21	31
16	LD11-6797		38	42			31	30	34
17	M08-344021		41	40			27	28	30
18	M08-344109		47	42			33	29	32
19	ORC 5811N		38	35			29	24	32

2014 SCN PRELIMINARY TEST II

Seed Quality (score)

		Ames IA	Moorhead IA	Pontiac IL	Decatur MI	Fairfax MN	Lamber-ton MN	Platts-mouth NE	Urbana IL
	SCN HG Type	1.2.5.7	2.5.7	2.5.7	I	2.5.7	I	2.5.7	NI
	Strain								
1	IA2102			2.0		5.0	1.0	3.0	2.0
2	IA1022 (SCN)			2.0		2.0	2.0	2.0	3.0
3	IA3024			2.0			1.0	2.0	2.0
4	LD02- 4485			3.0		3.0	2.0	2.0	2.0
5	AR13-231010			2.0		3.0	1.0	2.0	2.0
6	AR13-231013			2.0		2.0	2.0	2.0	1.0
7	E12007			1.0		5.0	1.0	2.0	2.0
8	E12023			1.0		5.0	2.0	2.0	2.0
9	E12061			1.0		2.0	1.0	2.0	2.0
10	E12076			1.0		2.0	1.0	2.0	3.0
11	E12377			1.0		5.0	1.0	1.0	2.0
12	LD10-14323			2.0		5.0	2.0	2.0	2.0
13	LD11-4787a			2.0		2.0	1.0	2.0	2.0
14	LD11-6066			2.0		4.0	1.0	2.0	2.0
15	LD11-6087			3.0		5.0	2.0	2.0	2.0
16	LD11-6797			2.0			2.0	2.0	2.0
17	M08-344021			4.0		4.0	1.0	2.0	2.0
18	M08-344109			4.0		3.0	1.0	2.0	3.0
19	ORC 5811N			3.0		3.0	1.0	2.0	2.0

2014 SCN PRELIMINARY TEST II

Seed Weight (g/100)

		Ames IA	Moorhead IA	Pontiac IL	Decatur MI	Fairfax MN	Lamber-ton MN	Platts-mouth NE	Urbana IL
	SCN HG Type	1.2.5.7	2.5.7	2.5.7	I	2.5.7	I	2.5.7	NI
	Strain								
1	IA2102			17.9		10.7	16.8	18.9	17.1
2	IA1022 (SCN)			17.9		12.8	16.5	19.8	16.5
3	IA3024			17.6			17.8	18.8	17.0
4	LD02- 4485			15.7		13.1	16.8	17.6	16.5
5	AR13-231010			18.4		14.3	16.4	20.2	18.3
6	AR13-231013			17.5		12.2	15.6	21.8	18.1
7	E12007			15.2		10.4	16.1	18.3	15.6
8	E12023			15.1		11.2	18.6	17.2	14.8
9	E12061			16.7		11.7	18.2	16.8	17.9
10	E12076			19.9		13.2	17.8	18.9	17.4
11	E12377			17.5		12.0	16.5	19.5	18.7
12	LD10-14323			18.6		10.8	19.1	19.9	17.7
13	LD11-4787a			17.4		13.4	17.5	19.1	17.7
14	LD11-6066			18.8		12.9	14.8	20.2	17.2
15	LD11-6087			17.7		11.4	16.1	18.6	16.0
16	LD11-6797			16.2			17.2	19.0	14.8
17	M08-344021			17.2		11.2	15.4	18.6	16.4
18	M08-344109			17.3		10.0	17.3	17.2	15.1
19	ORC 5811N			21.1		13.5	18.5	21.0	18.6

2014 SCN PRELIMINARY TEST II

Protein (%)

		Ames IA	Moorhead IA	Pontiac IL	Decatur MI	Fairfax MN	Lamber-ton MN	Platts-mouth NE	Urbana IL
	SCN HG Type	1.2.5.7	2.5.7	2.5.7	I	2.5.7	I	2.5.7	NI
	Strain								
1	IA2102	29.9		34.5		35.6	35.0	35.5	36.1
2	IA1022 (SCN)	35.2		33.2		33.2	33.0	35.0	30.9
3	IA3024	33.9		34.1		34.2		36.2	31.2
4	LD02- 4485	29.5		32.5		34.8	31.9	33.3	29.4
5	AR13-231010	32.8		32.4		34.8	32.6	33.8	32.7
6	AR13-231013	35.2		33.2		35.8	34.8	35.5	34.1
7	E12007	34.1		35.1		35.7	33.5	34.9	34.0
8	E12023	34.5		33.9		36.5	34.1	35.0	35.3
9	E12061	34.2		33.4		32.8	32.7	34.6	
10	E12076	34.8		34.5		36.1	33.8	33.8	32.5
11	E12377	35.0		33.0		34.4	32.9	33.3	33.2
12	LD10-14323	37.0		34.3		35.9	34.9	34.7	35.2
13	LD11-4787a	38.4		34.0		33.8	35.4	35.2	33.4
14	LD11-6066	33.6		32.4		35.2	33.2	35.7	31.2
15	LD11-6087	33.4		32.7			34.9	33.5	30.4
16	LD11-6797	34.6		31.2		32.8		33.6	30.3
17	M08-344021	31.3		33.1		32.8	33.7	34.2	31.1
18	M08-344109	33.9		34.5		36.9	34.5	36.6	34.1
19	ORC 5811N	35.9		36.4		35.0	35.6	36.7	35.1

2014 SCN PRELIMINARY TEST II

Oil (%)

		Ames IA	Moorhead IA	Pontiac IL	Decatur MI	Fairfax MN	Lamber-ton MN	Platts-mouth NE	Urbana IL
	SCN HG Type	1.2.5.7	2.5.7	2.5.7	I	2.5.7	I	2.5.7	NI
	Strain								
1	IA2102	18.8		17.6		16.2	16.1	19.0	17.9
2	IA1022 (SCN)	16.7		18.4		18.4	18.3	20.1	20.7
3	IA3024	16.1		18.2		16.5		17.2	18.7
4	LD02- 4485	18.4		18.2		16.5	18.0	17.6	18.7
5	AR13-231010	16.3		17.9		18.2	17.0	17.1	18.7
6	AR13-231013	16.0		17.9		16.8	15.7	17.6	16.8
7	E12007	17.3		18.2		16.1	16.0	17.7	19.1
8	E12023	16.3		17.8		18.0	16.5	16.4	17.7
9	E12061	17.4		18.2		18.4	16.1	18.4	
10	E12076	16.4		16.8		17.4	15.8	17.1	19.1
11	E12377	16.6		19.3		17.2	17.0	17.3	18.7
12	LD10-14323	15.9		18.1		17.6	16.3	17.6	18.3
13	LD11-4787a	16.3		17.8		16.3	17.8	17.6	19.3
14	LD11-6066	18.1		19.5		16.3	18.1	18.0	18.8
15	LD11-6087	18.5		18.5			16.5	18.6	19.2
16	LD11-6797	18.6		19.9		16.5		19.9	20.2
17	M08-344021	18.3		19.4		18.2	18.0	18.2	19.0
18	M08-344109	18.0		17.9		16.7	16.9	17.8	18.4
19	ORC 5811N	17.8		17.2		17.0	16.5	18.8	18.1

2014 SCN UNIFORM TEST III

	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	IA4005	WLtbl	IA3023 x IA3025
5	AR12-327073	WGbf	IAR2001BSR x PI 606749
6	K10-8556	PT+Ltbl	IA3023 x LD00-3309
7	LD09-10911	PGibl	LD00-2817 x LD02-4485
8	LD09-30224	PGibl	LD05-3230 x LDX07-178a-1-7
9	LD10-2477	PGibl	LD04-13296 x LD05-3230
9	LD10-9168	PTbl	LD06-7648 x LD02-4485
10	LD10-9200	PTbl	LD06-7648 x LD02-4485
11	LD10-9409	PLtbl	LD05-8517 x Syngenta 03JR101916
12	LD10-9763	PGy	Dairyland 75226 x LD01-7323
13	LD10-10219	PLtbl	LD05-3230 x LD00-3309
14	LD10-10226	PGibl	LD05-3230 x LD00-3309

	Strain	Previous testing	Gen comp	SCN res source	Traits
1	IA3023	12	F5	None	
2	IA3024	7	F5	None	1% linolenic
3	IA3048	4	F4	PI 88788	
4	IA4005	3	F4	None	1% linolenic
5	AR12-327073	13 SCN P III	F4	PI606749	BSR
6	K10-8556	1	F4	PI 88788	
7	LD09-10911	1	F5	PI 88788,437654	
8	LD09-30224	1	F5	PI 88788	Rag1
9	LD10-2477	13 UPT IIIB	F5	PI 88788	
10	LD10-9168	13 UPT IIIB	F5	PI 88788	
11	LD10-9200	13 UPT IIIB	F5	PI 88788	
12	LD10-9409	13 SCN P IV	F5	PI 88788	
13	LD10-9763	13 SCN P III	F5	PI 88788	
14	LD10-10219	13 SCN P III	F5	PI 88788	
15	LD10-10226	13 UPT IIIB	F5	PI 88788	

2014 SCN UNIFORM TEST III

		IL SCN screen				ISU IDC	SIU SDS
		HG Type 0		HG Type 2.5.7		Res=2.3	Valmeyer
	Strain	FI	rating	score	rating	Sus=2.7	DX
1	IA3023	64	NR	85	NR	1.9	7
2	IA3024	68	NR	88	NR	3.0	22
3	IA3048	1	HR	23	MR	2.0	2
4	IA4005	77	NR	83	NR	1.9	9
5	AR12-327073	1	HR	5	HR	1.3	1
6	K10-8556	6	HR	31	MR	2.5	1
7	LD09-10911	4	HR	25	MR	2.3	0
8	LD09-30224	1	HR	15	R	2.1	0
9	LD10-2477	8	HR	29	MR	1.8	14
10	LD10-9168	4	HR	18	R	2.5	0
11	LD10-9200	10	R	21	R	2.7	0
12	LD10-9409	5	HR	19	R	2.5	1
13	LD10-9763	10	R	35	MR	2.0	0
14	LD10-10219	9	HR	24	R	2.5	0
15	LD10-10226	6	HR	39	LR	1.7	0

** rep data too variable to rate

E09014 (res)	0
Morgan (sus)	15
LSD	9

2014 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	12		9		3		11	12	12	10	10	10	10
1	IA3023	**55.7**	**13**	52.4	14	65.2	8	9/25	1.5	29	2.0	17.3	33.4	18.0
2	IA3024	**51.0**	**15**	47.4	15	61.6	13	-3	1.4	29	2.3	17.0	33.9	18.6
3	IA3048	**62.5**	**3**	61.0	2	67.0	4	-1	1.8	30	2.3	17.1	35.3	17.9
4	IA4005	**56.0**	**12**	53.6	13	63.0	11	5	1.4	28	2.5	15.7	35.0	17.3
5	AR12-327073	**56.6**	**11**	55.2	11	60.8	14	1	2.2	37	2.3	14.7	34.0	18.1
6	K10-8556	**55.0**	**14**	54.5	12	56.2	15	4	1.9	28	2.2	16.8	32.9	17.7
7	LD09-10911	**60.8**	**5**	59.0	5	66.2	5	-1	1.5	28	2.3	15.5	34.2	18.3
8	LD09-30224	**64.8**	**1**	62.0	1	72.9	1	0	1.5	30	2.4	17.8	34.5	17.9
9	LD10-2477	**58.6**	**9**	56.9	9	63.6	10	-1	1.7	30	2.2	17.6	33.9	18.8
10	LD10-9168	**62.6**	**2**	61.0	2	67.3	3	0	1.8	32	2.5	16.2	34.4	18.0
11	LD10-9200	**60.7**	**6**	58.0	7	68.7	2	-1	1.4	30	2.2	14.9	34.4	18.0
12	LD10-9409	**60.7**	**6**	59.0	5	65.3	7	4	1.9	31	2.2	15.8	34.0	18.1
13	LD10-9763	**57.7**	**10**	56.0	10	62.4	12	-2	1.8	29	2.0	16.1	34.6	17.4
14	LD10-10219	**59.6**	**8**	57.5	8	65.7	6	-2	1.4	26	2.2	16.9	34.9	17.3
15	LD10-10226	**61.0**	**4**	59.7	4	64.5	9	-2	1.3	29	2.2	16.7	34.4	17.9
	Mean	**58.9**		56.9		64.7		0.0	1.6	29.8				
	LSD(.05)	**2.7**		3.0		6.1		0.9	0.1	1.0				
	C.V. %	**9.9**		9.7		10.0		7.5	19.6	7.5				

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	26		17		9		21	25	24	22	23	19	19
1	IA3023	**49.4**	**6**	53.2	6	42.1	5	9/24	1.0	30	2.0	17.0	32.8	18.8
2	IA3024	**46.9**	**7**	49.5	7	42.0	6	-3	1.0	31	2.0	17.0	33.4	18.9
3	IA3048	**55.6**	**3**	62.4	3	42.7	4	-1	2.0	31	2.0	16.0	34.8	18.5
4	IA4005	**51.6**	**5**	54.7	5	45.8	2	6	1.0	29	2.0	15.0	34.5	17.9
6	K10-8556	**53.9**	**4**	60.3	4	41.7	7	4	2.0	29	2.0	17.0	32.7	18.4
7	LD09-10911	**57.5**	**2**	63.6	2	45.8	2	-1	2.0	29	2.0	15.0	34.1	18.7
8	LD09-30224	**59.6**	**1**	66.3	1	46.8	1	-1	2.0	30	2.0	17.0	34.5	18.2

2014 SCN UNFORM TEST III

Yield (bu/a)

		Leighton	Muscatine	Arthur	West Lafayette	Manhattan	Ottawa
		IA	IA	IL	IN	KS	KS
	SCN HG Type	2.5.7	I	2.5.7	2.5.7	2.5.7	I
	Strain						
1	IA3023	45.8	49.5	76.1	56.5	37.6	34.0
2	IA3024	36.6	39.5	69.2	52.2	41.6	36.5
3	IA3048	58.3	66.3	83.3	68.7	46.0	38.8
4	IA4005	36.3	36.0	81.1	65.2	48.9	37.5
5	AR12-327073	54.3	68.3	72.1	56.6	44.1	36.5
6	K10-8556	39.6	64.1	66.1	57.2	50.4	36.9
7	LD09-10911	54.5	59.6	78.8	60.7	45.7	34.8
8	LD09-30224	59.7	77.6	77.4	70.3	47.3	38.5
9	LD10-2477	50.8	60.0	72.0	60.3	46.8	39.1
10	LD10-9168	49.3	71.4	79.7	66.6	51.7	37.7
11	LD10-9200	47.4	59.7	75.0	63.4	45.0	36.1
12	LD10-9409	39.4	61.0	77.8	62.6	50.8	41.1
13	LD10-9763	55.4	66.4	72.0	60.4	43.1	29.5
14	LD10-10219	58.9	68.3	74.1	67.1	37.7	35.5
15	LD10-10226	56.8	66.0	76.4	64.6	46.9	34.9
	Average	49.5	60.9	75.4	62.2	45.6	36.5
	LSD(.05)	11.6	13.2	10.2	13.4	5.2	3.2
	C.V. %	10.9	10.1	6.3	13.4	6.7	5.3
	Replications	2	2	2	3	3	3
	Row width (in.)	30	30	30	30	30	30

2014 SCN UNFORM TEST III

Yield (bu/a)

		Clarkton MO	Novelty MO	Plattsmouth NE	Urbana IL	Hoytville OH	Plain City OH
	SCN HG Type	I	I	2.5.7	NI	NI	NI
	Strain						
1	IA3023	35.2	71.5	71.5	66.8	61.7	68.3
2	IA3024	30.4	55.8	70.8	63.2	54.9	66.8
3	IA3048	30.3	65.8	96.0	65.2	62.7	73.3
4	IA4005	37.2	73.0	72.8	61.9	65.3	62.0
5	AR12-327073	38.5	52.9	78.0	61.9	51.4	69.1
6	K10-8556	39.3	64.9	76.9	56.2	50.3	62.4
7	LD09-10911	44.2	66.2	91.0	67.7	56.7	74.3
8	LD09-30224	39.8	57.8	94.5	73.0	71.7	74.1
9	LD10-2477	39.1	63.7	84.7	63.6	60.4	67.0
10	LD10-9168	38.6	61.7	96.9	73.6	60.6	68.0
11	LD10-9200	42.8	68.4	88.4	69.8	61.4	75.2
12	LD10-9409	43.2	64.4	95.8	67.3	65.5	62.0
13	LD10-9763	33.2	56.8	92.1	66.3	51.8	69.2
14	LD10-10219	31.5	59.8	89.1	66.4	59.3	71.5
15	LD10-10226	39.9	67.1	89.6	61.9	62.9	69.0
	Average	37.5	63.3	85.9	65.6	59.8	68.8
	LSD(.05)	12.3	8.4	12.0	7.9	6.8	12.5
	C.V. %	16.3	7.9	5.6	5.6	6.8	13.1
	Replications	3	3	2	2	3	3
	Row width (in.)	30	30	30	30	15	30

2014 SCN UNFORM TEST III

Yield (rank)

		Leighton	Muscatine	Arthur	West Lafayette	Manhattan	Ottawa
		IA	IA	IL	IN	KS	KS
	SCN HG Type	2.5.7	I	2.5.7	2.5.7	2.5.7	I
	Strain						
1	IA3023	11	13	8	6	15	14
2	IA3024	14	14	14	3	13	8
3	IA3048	3	6	1	10	8	3
4	IA4005	15	15	2	8	4	6
5	AR12-327073	7	3	11	7	11	8
6	K10-8556	12	8	15	4	3	7
7	LD09-10911	6	12	4	11	9	13
8	LD09-30224	1	1	6	1	5	4
9	LD10-2477	8	10	13	9	7	2
10	LD10-9168	9	2	3	12	1	5
11	LD10-9200	10	11	9	13	10	10
12	LD10-9409	13	9	5	5	2	1
13	LD10-9763	5	5	12	2	12	15
14	LD10-10219	2	4	10	15	14	11
15	LD10-10226	4	7	7	14	6	12

2014 SCN UNFORM TEST III

Yield (rank)

		Clarkton	Novelty	Plattsmouth	Urbana	Hoytville	Plain City
		MO	MO	NE	IL	OH	OH
	SCN HG Type	I	I	2.5.7	NI	NI	NI
	Strain						
1	IA3023	11	2	14	6	6	9
2	IA3024	14	14	15	11	12	12
3	IA3048	15	6	2	9	5	4
4	IA4005	10	1	13	12	3	14
5	AR12-327073	9	15	11	12	14	7
6	K10-8556	6	7	12	15	15	13
7	LD09-10911	1	5	6	4	11	2
8	LD09-30224	5	12	4	2	1	3
9	LD10-2477	7	9	10	10	9	11
10	LD10-9168	8	10	1	1	8	10
11	LD10-9200	3	3	9	3	7	1
12	LD10-9409	2	8	3	5	2	14
13	LD10-9763	12	13	5	8	13	6
14	LD10-10219	13	11	8	7	10	5
15	LD10-10226	4	4	7	12	4	8

2014 SCN UNIFORM TEST III

Maturity

		Leighton	Muscatine	Arthur	West Lafayette	Manhattan	Ottawa
		IA	IA	IL	IN	KS	KS
	SCN HG Type	2.5.7	I	2.5.7	2.5.7	2.5.7	I
	Strain						
1	IA3023		9/20	9/22	9/24	9/28	9/16
2	IA3024		-4	-5	-3	0	0
3	IA3048		-1	2	3	0	0
4	IA4005		-1	4	5	2	7
5	AR12-327073		0	2	7	4	-4
6	K10-8556		3	4	12	2	5
7	LD09-10911		-1	-3	3	-1	-1
8	LD09-30224		0	-1	6	0	0
9	LD10-2477		-2	-2	2	-4	1
10	LD10-9168		-2	0	5	1	4
11	LD10-9200		-5	-3	2	-1	3
12	LD10-9409		2	4	7	3	3
13	LD10-9763		-1	1	4	-11	-2
14	LD10-10219		-1	1	3	-8	-2
15	LD10-10226		-3	-2	2	-5	-1
	Planted	5/9	5/14	5/8	5/26	5/14	5/21

2014 SCN UNIFORM TEST III

Maturity

		Clarkton MO	Novelty MO	Plattsmouth NE	Urbana IL	Hoytville OH	Plain City OH
	SCN HG Type	I	I	2.5.7	NI	NI	NI
	Strain						
1	IA3023	9/16	9/26	9/28	9/25	10/7	9/28
2	IA3024	-1	-4	1	-3	-7	-4
3	IA3048	1	-1	-2	-1	-6	-5
4	IA4005	7	8	11	5	2	2
5	AR12-327073	3	0	0	2	-3	3
6	K10-8556	6	2	0	5	4	3
7	LD09-10911	-1	-1	-3	-1	0	-6
8	LD09-30224	3	-1	-2	0	-1	0
9	LD10-2477	3	-1	-2	-1	-4	-4
10	LD10-9168	2	0	-3	2	-6	1
11	LD10-9200	2	-1	-5	-2	-4	-2
12	LD10-9409	6	2	4	5	4	4
13	LD10-9763	-6	-1	-3	2	-2	0
14	LD10-10219	-4	-1	-2	0	-2	-1
15	LD10-10226	0	-1	0	-2	-4	-3
	Planted	5/20	5/19	5/21	5/21	5/31	5/8

2014 SCN UNIFORM TEST III

Lodging (score)

		Leighton	Muscatine	Arthur	West Lafayette	Manhattan	Ottawa
		IA	IA	IL	IN	KS	KS
	SCN HG Type	2.5.7	I	2.5.7	2.5.7	2.5.7	I
	Strain						
1	IA3023	1.8	1.5	2.5	1.0	2.0	1.0
2	IA3024	1.8	1.0	1.5	1.0	2.0	1.0
3	IA3048	2.3	1.3	3.3	1.2	2.0	1.0
4	IA4005	1.8	1.0	2.0	1.0	2.0	1.0
5	AR12-327073	2.5	1.8	3.3	1.2	2.0	1.0
6	K10-8556	2.5	2.3	3.3	1.3	2.3	1.0
7	LD09-10911	2.0	1.3	2.0	1.0	2.0	1.0
8	LD09-30224	2.0	1.5	2.0	1.0	2.0	1.0
9	LD10-2477	2.3	1.5	2.3	1.0	2.7	1.0
10	LD10-9168	2.3	1.5	3.0	1.2	2.3	1.0
11	LD10-9200	2.0	1.0	1.8	1.0	2.0	1.0
12	LD10-9409	2.3	1.5	3.0	1.0	1.7	1.0
13	LD10-9763	2.5	1.5	3.0	1.2	2.0	1.0
14	LD10-10219	2.0	1.0	1.8	1.0	1.7	1.0
15	LD10-10226	1.8	1.3	1.3	1.0	1.3	1.0

2014 SCN UNIFORM TEST III

Lodging (score)

		Clarkton MO	Novelty MO	Plattsmouth NE	Urbana IL	Hoytville OH	Plain City OH
	SCN HG Type	I	I	2.5.7	NI	NI	NI
	Strain						
1	IA3023	1.0	1.8	1.5	1.5	1.0	2.0
2	IA3024	1.0	1.5	1.5	1.5	1.0	2.0
3	IA3048	1.0	2.5	1.8	1.5	1.0	2.3
4	IA4005	1.0	1.5	1.5	1.5	1.0	1.7
5	AR12-327073	1.3	4.0	3.3	2.3	1.0	3.0
6	K10-8556	1.0	1.8	2.0	2.0	1.0	2.3
7	LD09-10911	1.0	1.5	1.5	1.5	1.0	1.7
8	LD09-30224	1.0	1.7	1.5	1.5	1.0	2.0
9	LD10-2477	1.3	2.3	1.5	1.5	1.0	2.0
10	LD10-9168	1.0	2.0	2.0	2.0	1.0	2.7
11	LD10-9200	1.0	1.5	1.5	1.5	1.0	2.0
12	LD10-9409	1.0	2.8	2.3	2.0	1.0	2.7
13	LD10-9763	1.0	1.8	1.8	2.0	1.0	2.3
14	LD10-10219	1.0	1.5	1.8	1.3	1.0	1.3
15	LD10-10226	1.0	1.7	1.5	1.3	1.0	1.3

2014 SCN UNIFORM TEST III

Height (inches)

		Leighton	Muscatine	Arthur	West Lafayette	Manhattan	Ottawa
		IA	IA	IL	IN	KS	KS
	SCN HG Type	2.5.7	I	2.5.7	2.5.7	2.5.7	I
	Strain						
1	IA3023	33	29	35	33	28	27
2	IA3024	30	28	33	32	31	30
3	IA3048	35	26	38	34	33	31
4	IA4005	28	28	35	31	32	26
5	AR12-327073	39	39	40	38	31	38
6	K10-8556	32	31	33	33	27	24
7	LD09-10911	30	25	33	31	27	25
8	LD09-30224	30	32	34	33	32	29
9	LD10-2477	36	29	36	32	29	29
10	LD10-9168	37	31	37	37	31	28
11	LD10-9200	30	27	36	33	33	27
12	LD10-9409	33	31	34	33	29	29
13	LD10-9763	34	28	34	33	28	25
14	LD10-10219	28	27	31	30	26	24
15	LD10-10226	34	29	34	31	28	27

2014 SCN UNIFORM TEST III

Height (inches)

		Clarkton	Novelty	Plattsmouth	Urbana	Hoytville	Plain City
		MO	MO	NE	IL	OH	OH
	SCN HG Type	I	I	2.5.7	NI	NI	NI
	Strain						
1	IA3023	23	29	25	35	24	32
2	IA3024	21	30	28	34	25	32
3	IA3048	21	29	26	34	25	33
4	IA4005	22	30	25	33	24	27
5	AR12-327073	30	39	34	38	29	43
6	K10-8556	20	28	22	33	23	33
7	LD09-10911	22	29	26	33	23	31
8	LD09-30224	22	29	30	33	26	33
9	LD10-2477	22	31	28	34	25	33
10	LD10-9168	24	33	32	36	25	39
11	LD10-9200	23	29	27	34	25	34
12	LD10-9409	25	30	30	34	27	33
13	LD10-9763	19	29	26	32	23	33
14	LD10-10219	18	26	22	30	21	30
15	LD10-10226	23	30	24	32	25	31

2014 SCN UNIFORM TEST III

Seed Quality (score)

		Leighton	Muscatine	Arthur	West Lafayette	Manhattan	Ottawa
		IA	IA	IL	IN	KS	KS
	SCN HG Type	2.5.7	I	2.5.7	2.5.7	2.5.7	I
	Strain						
1	IA3023			2.0	1.0	3.0	2.0
2	IA3024			2.0	1.0	4.0	3.0
3	IA3048			2.0	2.0	4.0	2.0
4	IA4005			2.0	1.0	3.0	4.0
5	AR12-327073			3.0	1.0	4.0	1.0
6	K10-8556			2.0	2.0	3.0	2.0
7	LD09-10911			3.0	1.0	3.0	3.0
8	LD09-30224			2.0	2.0	3.0	3.0
9	LD10-2477			2.0	2.0	3.0	3.0
10	LD10-9168			3.0	2.0	4.0	3.0
11	LD10-9200			1.0	1.0	3.0	3.0
12	LD10-9409			2.0	1.0	4.0	3.0
13	LD10-9763			1.0	1.0	3.0	3.0
14	LD10-10219			2.0	1.0	3.0	2.0
15	LD10-10226			2.0	1.0	4.0	2.0

2014 SCN UNIFORM TEST III

Seed Quality (score)

		Clarkton MO	Novelty MO	Plattsmouth NE	Urbana IL	Hoytville OH	Plain City OH
	SCN HG Type	I	I	2.5.7	NI	NI	NI
	Strain						
1	IA3023	4.0	2.0	2.0	2.0	1.0	1.0
2	IA3024	4.0	2.0	3.0	2.0	1.0	1.0
3	IA3048	4.0	2.0	2.0	3.0	1.0	1.0
4	IA4005	5.0	1.5	3.0	3.0	1.0	1.0
5	AR12-327073	4.0	2.5	2.0	3.0	1.0	1.0
6	K10-8556	4.0	2.0	2.0	3.0	1.0	1.0
7	LD09-10911	5.0	2.0	2.0	2.0	1.0	1.0
8	LD09-30224	4.0	3.0	2.0	3.0	1.0	1.0
9	LD10-2477	4.0	2.0	2.0	2.0	1.0	1.0
10	LD10-9168	4.0	2.5	2.0	2.0	1.0	1.0
11	LD10-9200	5.0	2.5	2.0	2.0	1.0	1.0
12	LD10-9409	4.0	2.0	2.0	2.0	1.0	1.0
13	LD10-9763	4.0	2.0	2.0	2.0	1.0	1.0
14	LD10-10219	3.0	2.5	3.0	3.0	1.0	1.0
15	LD10-10226	4.0	2.0	2.0	3.0	1.0	1.0

2014 SCN UNIFORM TEST III

Seed Weight (g/100)

		Leighton	Muscatine	Arthur	West Lafayette	Manhattan	Ottawa
		IA	IA	IL	IN	KS	KS
	SCN HG Type	2.5.7	I	2.5.7	2.5.7	2.5.7	I
	Strain						
1	IA3023			16.3	13.4	15.6	13.9
2	IA3024			16.7	13.3	15.5	16.0
3	IA3048			17.1	15.6	12.4	14.2
4	IA4005			14.9	12.8	14.2	14.3
5	AR12-327073			14.9	13.2	13.0	12.5
6	K10-8556			14.9	14.0	15.5	15.3
7	LD09-10911			15.7	14.2	13.2	12.0
8	LD09-30224			15.7	17.8	14.4	14.0
9	LD10-2477			16.8	14.7	15.4	15.9
10	LD10-9168			17.2	14.2	12.8	15.5
11	LD10-9200			14.3	13.1	11.2	13.2
12	LD10-9409			15.8	13.6	12.6	14.9
13	LD10-9763			15.6	14.3	13.4	12.4
14	LD10-10219			15.4	16.5	13.9	14.1
15	LD10-10226			16.0	15.0	14.3	13.3

2014 SCN UNIFORM TEST III

Seed Weight (g/100)

		Clarkton MO	Novelty MO	Plattsmouth NE	Urbana IL	Hoytville OH	Plain City OH
	SCN HG Type	I	I	2.5.7	NI	NI	NI
	Strain						
1	IA3023	17.6	20.4	18.5	17.5	19.5	19.8
2	IA3024	18.3	16.7	19.1	16.9	17.6	19.6
3	IA3048	20.2	18.3	20.6	16.6	17.0	18.6
4	IA4005	16.9	17.3	18.3	14.6	17.8	16.3
5	AR12-327073	15.6	15.9	16.8	14.3	14.4	16.2
6	K10-8556	17.8	18.5	19.6	14.6	19.1	18.4
7	LD09-10911	16.5	16.8	16.8	15.2	16.2	18.0
8	LD09-30224	20.3	19.2	19.7	17.4	18.5	20.5
9	LD10-2477	18.2	19.6	19.7	17.9	17.9	19.4
10	LD10-9168	15.3	18.2	18.1	15.7	16.8	17.7
11	LD10-9200	17.1	16.3	16.7	14.7	14.7	17.3
12	LD10-9409	16.2	16.2	16.7	15.8	18.2	17.8
13	LD10-9763	16.3	18.2	18.7	15.3	17.8	18.7
14	LD10-10219	20.5	16.7	19.3	16.7	16.8	19.5
15	LD10-10226	18.1	18.8	19.5	15.4	17.5	19.2

2014 SCN UNIFORM TEST III

Protein (%)

		Leighton	Muscatine	Arthur	West Lafayette	Manhattan	Ottawa
		IA	IA	IL	IN	KS	KS
	SCN HG Type	2.5.7	I	2.5.7	2.5.7	2.5.7	I
	Strain						
1	IA3023	31.9		32.9	32.0	37.1	
2	IA3024	33.6		33.2	34.4	37.9	
3	IA3048	32.8		36.6	34.2	39.1	
4	IA4005	33.9		34.9	33.0	37.0	
5	AR12-327073	33.1		35.0	33.3	40.1	
6	K10-8556	31.2		31.8	31.9	35.9	
7	LD09-10911	33.0		33.1	34.1	36.9	
8	LD09-30224	32.2		35.1	36.0	37.4	
9	LD10-2477	34.7		34.0	32.6	35.6	
10	LD10-9168	34.0		34.4	34.1	36.2	
11	LD10-9200	32.3		33.9	32.5	34.9	
12	LD10-9409	33.9		34.0	34.0	37.7	
13	LD10-9763	34.0		33.2	33.9	36.1	
14	LD10-10219	33.7		33.3	34.5	36.8	
15	LD10-10226	34.0		35.1	34.0	35.6	

2014 SCN UNIFORM TEST III

Protein (%)

		Clarkton MO	Novelty MO	Plattsmouth NE	Urbana IL	Hoytville OH	Plain City OH
	SCN HG Type	I	I	2.5.7	NI	NI	NI
	Strain						
1	IA3023	32.5	35.7	33.2	31.5	33.2	33.9
2	IA3024	33.6	35.1	33.8	32.8	31.8	32.6
3	IA3048	35.1	37.0	34.6	34.2	32.4	37.1
4	IA4005	35.8	36.2	33.4	34.9	34.2	36.2
5	AR12-327073	33.9	35.5	32.9	32.8	29.1	34.1
6	K10-8556	33.3	34.2	31.8	31.7	33.6	33.9
7	LD09-10911	34.2	36.0	32.8	32.2	34.0	35.8
8	LD09-30224	34.0	34.1	35.2	32.1	32.9	35.9
9	LD10-2477	33.8	34.4	33.1	32.5	33.7	35.1
10	LD10-9168	33.9	35.5	33.2	32.6	34.1	36.0
11	LD10-9200	34.9	37.1	35.1	33.0	34.8	35.5
12	LD10-9409	28.7	34.9	32.0	34.0	34.7	35.8
13	LD10-9763	33.3	35.7	34.7	34.3	36.2	35.1
14	LD10-10219	34.7	35.9	35.0	34.4	33.0	38.0
15	LD10-10226	33.8	35.4	34.1	34.3	32.4	35.3

2014 SCN UNIFORM TEST III

Oil (%)

		Leighton	Muscatine	Arthur	West Lafayette	Manhattan	Ottawa
		IA	IA	IL	IN	KS	KS
	SCN HG Type	2.5.7	I	2.5.7	2.5.7	2.5.7	I
	Strain						
1	IA3023	16.6		18.3	17.3	18.8	
2	IA3024	18.4		18.7	16.8	18.2	
3	IA3048	19.2		17.5	18.1	16.1	
4	IA4005	17.1		16.8	17.5	16.7	
5	AR12-327073	18.8		18.4	17.7	16.4	
6	K10-8556	18.0		17.5	18.0	17.8	
7	LD09-10911	18.9		17.7	17.2	18.0	
8	LD09-30224	18.2		16.5	17.1	17.7	
9	LD10-2477	19.0		18.1	18.3	19.4	
10	LD10-9168	19.0		18.1	18.6	16.1	
11	LD10-9200	18.5		17.5	18.0	17.9	
12	LD10-9409	18.0		17.2	17.8	16.9	
13	LD10-9763	17.8		17.1	17.1	18.2	
14	LD10-10219	18.4		16.7	17.7	17.7	
15	LD10-10226	18.6		16.4	17.9	18.1	

2014 SCN UNIFORM TEST III

Oil (%)

		Clarkton MO	Novelty MO	Plattsmouth NE	Urbana IL	Hoytville OH	Plain City OH
	SCN HG Type	I	I	2.5.7	NI	NI	NI
	Strain						
1	IA3023	19.8	18.6	17.6	18.1	17.7	17.7
2	IA3024	20.8	20.0	18.2	18.8	18.6	18.0
3	IA3048	18.4	18.5	16.5	18.8	18.3	17.6
4	IA4005	18.4	17.7	16.3	17.5	16.6	18.1
5	AR12-327073	19.3	18.7	17.0	18.7	18.6	17.4
6	K10-8556	17.6	18.2	17.9	17.9	16.4	17.8
7	LD09-10911	20.0	19.4	18.4	17.9	17.4	17.9
8	LD09-30224	19.3	18.7	18.1	18.0	17.1	18.1
9	LD10-2477	20.5	19.9	18.1	18.1	17.3	19.4
10	LD10-9168	19.2	18.8	16.5	18.5	17.7	17.6
11	LD10-9200	18.3	18.6	18.2	18.4	17.4	17.6
12	LD10-9409	21.4	18.3	18.1	18.4	17.1	17.4
13	LD10-9763	20.0	18.2	16.3	17.2	15.6	16.5
14	LD10-10219	17.2	17.1	17.3	18.0	16.0	16.6
15	LD10-10226	19.4	18.5	17.0	18.3	17.0	17.5

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2014 SCN PRELIMINARY TEST III

	Strain	Descriptive code	Parentage	Gen. Comp.	SCN res source	Traits
1	IA3023	WLtbl	Dairyland DSR-365 x Pioneer P9381	F5	None	
2	IA3024	PGibl	A97-553017 x Pioneer YB33A99	F5	None	1% linolenic
3	IA3048	WGy	Dairyland 99540 x IA2068	F4	PI 88788	
4	IA4005	WLtbl	IA3023 x IA3025	F4	None	1% linolenic
5	AR13-331002	P+WTbl+br	AR03-161009 x AR06-365076	F5	PI 507354,88788	
6	AR13-331018	WGbf	PI 606749 x AR3	F4	PI 606749	IDC
7	AR13-331026	P+WT+Ltbl+br	AR03-161009 x AR06-365076	F5	PI 507354,88788	
8	AR13-331029	WLtbl	AR03-161009 x AR06-365076	F5	PI 507354,88788	
9	LD11-1014	PTbl	LD04-11056 x LD05-3171	F5	PI 88788	
10	LD11-10771	WGbf	CL04-132315 x LD06-7620	F5	PI 88788	
11	LD11-10797	PLtbl	CL04-132315 x LD06-7620	F5	PI 88788	
12	LD11-10930	PLtbl	CL04-132315 x LD06-7620	F5	PI 88788	
13	LD11-2170	PLtbr	Syngenta 03JR313108 x LD02-4485	F5	PI 88788	
14	LD11-2195	WLtbr	Syngenta 03JR313108 x LD02-4485	F5	PI 88788	
15	LD11-2253	WGbf	Syngenta 03JR313108 x LD02-4485	F5	PI 88788	
16	LD11-5164a	PLtbl	CL04-132315 x LD05-16874	F5	PI 88788	Rag1
17	LD11-7178	PGbf	Syngenta 03JR313108 x LD02-4485	F5	PI 88788	
18	LD11-7183	PGbf	Syngenta 03JR313108 x LD02-4485	F5	PI 88788	
19	LD11-7226	WLtbr	Syngenta 03JR313108 x LD02-4485	F5	PI 88788	
20	LD11-7343	WLtbl	LD04-13296 x LD01-7323	F5	PI 88788	

2014 SCN PRELIMINARY TEST III

		IL SCN screen				ISU IDC
		HG Type 0		HG Type 2.5.7		Res=2.3
	Strain	FI	rating	score	rating	Sus=2.7
1	IA3023	64	NR	85	NR	1.9
2	IA3024	68	NR	88	NR	3.0
3	IA3048	1	HR	23	R	2.0
4	IA4005	77	NR	83	NR	1.9
5	AR13-331002	9	HR	39	MR	2.0
6	AR13-331018	0	HR	4	HR	2.5
7	AR13-331026	4	HR	24	R	2.4
8	AR13-331029	6	HR	24	R	2.5
9	LD11-1014	7	HR	52	LR	3.7
10	LD11-10771	13	R	52	LR	1.8
11	LD11-10797	5	HR	33	MR	2.1
12	LD11-10930	8	HR	41	LR	3.2
13	LD11-2170	8	HR	52	LR	2.6
14	LD11-2195	5	HR	41	LR	1.6
15	LD11-2253	5	HR	31	MR	2.8
16	LD11-5164a	25	R	59	LR	2.0
17	LD11-7178	8	HR	29	MR	1.4
18	LD11-7183	6	HR	19	R	3.3
19	LD11-7226	10	R	35	MR	1.8
20	LD11-7343	6	HR	25	MR	2.0

**too variable to rate

2014 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	8		7		1		7	8	8	6	6	6	6
1	IA3023	**52.5**	**18**	49.5	18	73.4	5	922	1.7	29	2.1	16.0	32.9	18.6
2	IA3024	**47.7**	**20**	45.0	20	67.2	16	-1	1.5	30	2.4	16.6	34.0	19.2
3	IA3048	**63.0**	**1**	61.5	1	73.7	4	-1	1.8	31	2.4	16.9	35.5	17.9
4	IA4005	**52.8**	**17**	50.2	17	71.2	9	6	1.5	29	2.1	15.1	34.4	17.3
5	AR13-331002	**53.5**	**16**	51.2	16	69.4	12	-3	2.2	35	3.3	16.1	35.2	16.9
6	AR13-331018	**58.3**	**9**	56.9	9	68.2	14	2	3.1	43	2.7	13.5	33.5	17.8
7	AR13-331026	**54.9**	**13**	53.6	13	63.5	19	0	2.2	33	3.1	15.8	34.6	17.5
8	AR13-331029	**56.3**	**11**	55.0	10	65.5	18	-4	1.9	33	2.6	15.3	34.8	17.0
9	LD11-1014	**54.8**	**14**	52.8	15	68.9	13	-5	1.4	30	2.1	17.7	34.5	18.6
10	LD11-10771	**55.5**	**12**	54.0	12	66.1	17	5	1.9	34	2.6	16.2	33.6	17.1
11	LD11-10797	**56.5**	**10**	54.5	11	70.0	11	-1	1.8	31	2.7	15.9	33.3	18.2
12	LD11-10930	**54.5**	**15**	53.4	14	62.2	20	1	2.2	32	2.4	16.0	35.3	17.2
13	LD11-2170	**62.3**	**2**	60.2	2	77.2	1	-1	1.6	30	2.4	16.9	35.4	18.6
14	LD11-2195	**61.5**	**4**	59.6	5	75.0	2	1	1.7	31	2.0	17.3	35.3	17.8
15	LD11-2253	**61.4**	**5**	59.7	4	72.9	6	0	2.0	34	2.0	14.9	34.6	18.8
16	LD11-5164a	**59.7**	**6**	57.9	8	71.9	8	2	2.1	34	2.2	18.3	34.1	17.4
17	LD11-7178	**51.6**	**19**	48.9	19	70.4	10	-3	1.6	30	2.5	17.5	34.7	18.7
18	LD11-7183	**59.7**	**6**	58.0	7	72.0	7	-2	2.0	30	2.6	17.9	33.0	18.8
19	LD11-7226	**62.0**	**3**	60.2	2	74.5	3	-1	1.9	31	2.8	16.3	32.6	19.3
20	LD11-7343	**59.4**	**8**	58.2	6	67.3	15	1	1.7	31	2.4	16.7	33.7	18.5
	Mean	**56.9**		55.0		70.0		0.0	1.9	31.9				
	LSD(.05)	**4.3**		4.8		8.0		1.7	0.3	1.6				
	C.V. %	**10.9**		11.7		5.4		10.1	19.5	7.2				

2014 SCN PRELIMINARY TEST III

Yield (bu/a)

		Leighton IA	Muscatine IA	Arthur IL	Manhattan KS	Ottawa KS	Novelty MO	Platts-mouth NE	Urbana IL
	SCN HG Type	2.5.7	I	2.5.7	2.5.7	I	I	2.5.7	NI
	Strain								
1	IA3023	32.5	37.6	74.5	36.7	31.9	65.8	67.7	73.4
2	IA3024	35.4	37.9	68.1	34.9	29.1	55.5	53.9	67.2
3	IA3048	53.6	65.2	82.2	43.3	30.8	66.6	88.9	73.7
4	IA4005	42.0	42.0	78.9	38.8	29.1	67.1	53.5	71.2
5	AR13-331002	55.1	51.2	66.0	28.8	25.5	53.0	79.0	69.4
6	AR13-331018	54.5	72.0	71.4	44.7	28.0	60.3	67.4	68.2
7	AR13-331026	47.8	58.3	73.9	32.7	26.3	50.9	85.6	63.5
8	AR13-331029	61.9	54.9	72.4	33.5	24.2	52.6	85.3	65.5
9	LD11-1014	43.5	55.3	72.5	35.6	30.4	61.8	70.3	68.9
10	LD11-10771	52.8	58.0	68.7	46.1	31.9	41.3	79.2	66.1
11	LD11-10797	49.7	61.5	61.7	41.0	29.8	49.3	89.0	70.0
12	LD11-10930	36.3	59.7	59.7	48.9	30.7	55.2	83.2	62.2
13	LD11-2170	57.0	63.1	78.7	38.6	31.6	72.4	80.1	77.2
14	LD11-2195	58.4	59.1	81.4	40.8	31.9	61.9	83.6	75.0
15	LD11-2253	57.3	54.7	77.6	41.7	33.3	57.0	96.7	72.9
16	LD11-5164a	55.6	58.9	74.4	43.0	33.9	54.1	86.1	71.9
17	LD11-7178	56.1	50.4	68.3	38.7	30.9	43.3	54.7	70.4
18	LD11-7183	55.3	57.2	76.2	49.3	31.9	63.2	73.1	72.0
19	LD11-7226	62.9	52.8	82.7	47.4	34.8	58.2	82.6	74.5
20	LD11-7343	57.6	64.6	72.8	41.3	31.6	63.8	76.1	67.3
	Average	51.3	55.7	73.1	40.3	30.4	57.6	77.1	70.0
	LSD(.05)	12.0	13.0	10.8	5.1	2.3	12.0	22.5	8.0
	C.V. %	11.2	11.1	7.1	6.0	5.3	9.9	11.3	5.4
	Replications	2	2	2	2	2	2	2	2
	Row width (in.)	30	30	30	30	30	30	30	30

2014 SCN PRELIMINARY TEST III

Yield (rank)

		Leighton	Muscatine	Arthur	Manhattan	Ottawa	Novelty	Platts-mouth	Urbana
		IA	IA	IL	KS	KS	MO	NE	IL
	SCN HG Type	2.5.7	I	2.5.7	2.5.7	I	I	2.5.7	NI
	Strain								
1	IA3023	23	20	8	15	7	4	16	5
2	IA3024	22	19	17	17	16	12	19	16
3	IA3048	14	2	2	6	11	3	3	4
4	IA4005	20	18	4	12	15	2	20	9
5	AR13-331002	12	16	18	20	19	15	12	12
6	AR13-331018	13	1	14	5	17	9	17	14
7	AR13-331026	17	9	10	19	18	17	5	19
8	AR13-331029	2	13	13	18	20	16	6	18
9	LD11-1014	19	12	12	16	13	8	15	13
10	LD11-10771	15	10	15	4	5	20	11	17
11	LD11-10797	16	5	19	10	14	18	2	11
12	LD11-10930	21	6	20	2	12	13	8	20
13	LD11-2170	6	4	5	14	8	1	10	1
14	LD11-2195	3	7	3	11	4	7	7	2
15	LD11-2253	5	14	6	8	3	11	1	6
16	LD11-5164a	10	8	9	7	2	14	4	8
17	LD11-7178	8	17	16	13	10	19	18	10
18	LD11-7183	11	11	7	1	6	6	14	7
19	LD11-7226	1	15	1	3	1	10	9	3
20	LD11-7343	4	3	11	9	9	5	13	15

2014 SCN PRELIMINARY TEST III

Maturity

		Leighton	Muscatine	Arthur	Manhattan	Ottawa	Novelty	Platts-mouth	Urbana
		IA	IA	IL	KS	KS	MO	NE	IL
	SCN HG Type	2.5.7	I	2.5.7	2.5.7	I	I	2.5.7	NI
	Strain								
1	IA3023		9/22	9/20	9/23	9/15	9/27	10/3	9/25
2	IA3024		-5	-4	6	1	-2	-2	-2
3	IA3048		-3	3	-6	3	-2	-3	-1
4	IA4005		1	6	7	7	7	9	8
5	AR13-331002		-2	2	-7	1	-8	-7	1
6	AR13-331018		2	6	-4	-1	6	-2	6
7	AR13-331026		-4	4	6	0	-4	-3	2
8	AR13-331029		-5	-2	-7	-1	-6	-5	-2
9	LD11-1014		-4	-5	-8	1	-6	-7	-3
10	LD11-10771		7	7	6	7	4	0	6
11	LD11-10797		-3	2	0	2	-3	-3	1
12	LD11-10930		1	4	4	0	-2	-2	2
13	LD11-2170		-4	1	0	2	-2	-6	-1
14	LD11-2195		-3	3	5	5	-3	-4	1
15	LD11-2253		-4	3	-1	4	-2	-6	3
16	LD11-5164a		2	4	4	2	1	-1	5
17	LD11-7178		-2	-6	-10	2	-5	-3	1
18	LD11-7183		-3	0	-7	3	-3	-5	0
19	LD11-7226		0	2	0	0	-3	-4	0
20	LD11-7343		-2	2	5	4	-2	-3	0
	Planted	5/9	5/14	5/8	5/14	5/21	5/19	5/21	5/21

2014 SCN PRELIMINARY TEST III

Lodging (score)

		Leighton	Muscatine	Arthur	Manhattan	Ottawa	Novelty	Platts-mouth	Urbana
		IA	IA	IL	KS	KS	MO	NE	IL
	SCN HG Type	2.5.7	I	2.5.7	2.5.7	I	I	2.5.7	NI
	Strain								
1	IA3023	2.0	1.3	2.0	1.5	1.0	2.0	2.0	2.0
2	IA3024	1.8	1.0	1.5	2.0	1.0	1.5	1.8	1.5
3	IA3048	2.0	1.3	2.8	1.5	1.0	2.3	1.5	2.3
4	IA4005	2.0	1.0	2.0	1.0	1.0	1.5	1.5	1.8
5	AR13-331002	2.3	1.8	2.8	1.5	1.1	3.3	2.3	2.3
6	AR13-331018	3.3	2.8	4.5	2.5	1.0	3.3	3.8	3.5
7	AR13-331026	2.3	2.3	3.5	2.0	1.0	2.3	1.8	2.3
8	AR13-331029	2.3	1.5	2.3	2.0	1.0	2.5	2.0	1.5
9	LD11-1014	1.8	1.0	1.5	1.0	1.0	1.5	1.5	1.5
10	LD11-10771	2.0	1.8	2.5	1.5	1.0	2.3	1.5	2.5
11	LD11-10797	2.3	1.3	2.3	1.5	1.0	2.0	2.0	1.8
12	LD11-10930	1.8	2.0	3.5	2.0	1.0	3.0	2.3	2.3
13	LD11-2170	2.3	1.3	1.5	2.0	1.0	1.5	1.5	1.5
14	LD11-2195	2.0	1.3	2.3	2.0	1.0	1.8	1.8	1.5
15	LD11-2253	2.5	1.5	2.3	3.0	1.0	2.0	2.0	2.0
16	LD11-5164a	2.0	2.0	2.3	2.0	1.0	3.3	1.8	2.3
17	LD11-7178	2.0	1.3	1.5	2.0	1.0	2.3	1.5	1.5
18	LD11-7183	2.3	1.5	2.8	2.0	1.0	2.5	2.0	2.0
19	LD11-7226	2.3	1.3	2.8	2.0	1.0	2.3	1.5	2.0
20	LD11-7343	2.0	1.3	2.0	1.0	1.0	3.3	1.5	1.5

2014 SCN PRELIMINARY TEST III

Height (inches)

		Leighton	Muscatine	Arthur	Manhattan	Ottawa	Novelty	Platts-mouth	Urbana
		IA	IA	IL	KS	KS	MO	NE	IL
	SCN HG Type	2.5.7	I	2.5.7	2.5.7	I	I	2.5.7	NI
	Strain								
1	IA3023	30	27	34	30	25	29	23	35
2	IA3024	29	28	33	31	27	29	26	35
3	IA3048	35	24	34	31	27	31	27	37
4	IA4005	31	29	34	29	24	28	23	34
5	AR13-331002	35	34	39	33	30	34	32	40
6	AR13-331018	44	39	48	43	38	43	48	38
7	AR13-331026	35	28	40	32	30	34	31	37
8	AR13-331029	36	30	40	33	29	33	25	38
9	LD11-1014	34	28	35	29	23	28	27	39
10	LD11-10771	33	37	40	36	29	30	31	40
11	LD11-10797	33	30	36	29	26	29	28	37
12	LD11-10930	33	31	39	31	27	29	32	34
13	LD11-2170	33	29	36	28	25	30	24	34
14	LD11-2195	35	28	39	31	26	31	24	38
15	LD11-2253	38	33	39	33	27	31	30	39
16	LD11-5164a	34	36	40	30	30	32	31	39
17	LD11-7178	34	28	34	30	29	28	25	35
18	LD11-7183	34	25	34	32	26	30	27	34
19	LD11-7226	32	27	38	31	28	29	26	36
20	LD11-7343	32	30	39	28	24	31	28	36

2014 SCN PRELIMINARY TEST III

Seed Quality (score)

		Leighton IA	Muscatine IA	Arthur IL	Manhattan KS	Ottawa KS	Novelty MO	Platts-mouth NE	Urbana IL
	SCN HG Type	2.5.7	I	2.5.7	2.5.7	I	I	2.5.7	NI
	Strain								
1	IA3023			1.0	3.0	3.0	1.5	2.0	2.0
2	IA3024			2.0	3.0	3.0	1.5	2.0	3.0
3	IA3048			3.0	3.0	2.0	1.5	2.0	3.0
4	IA4005			2.0	3.0	2.0	1.5	2.0	2.0
5	AR13-331002			4.0	4.0	4.0	3.0	2.0	3.0
6	AR13-331018			2.0	3.0	3.0	3.0	2.0	3.0
7	AR13-331026			3.0	3.0	3.0	3.5	2.0	4.0
8	AR13-331029			2.0	3.0	4.0	1.5	2.0	3.0
9	LD11-1014			1.0	3.0	3.0	1.5	2.0	2.0
10	LD11-10771			3.0	3.0	3.0	1.5	2.0	3.0
11	LD11-10797			3.0	3.0	3.0	2.0	2.0	3.0
12	LD11-10930			2.0	3.0	2.0	2.5	2.0	3.0
13	LD11-2170			2.0	4.0	3.0	1.5	2.0	2.0
14	LD11-2195			2.0	3.0	3.0	2.0	1.0	1.0
15	LD11-2253			1.0	3.0	2.0	2.0	2.0	2.0
16	LD11-5164a			2.0	3.0	2.0	2.0	1.0	3.0
17	LD11-7178			3.0	4.0	2.0	2.0	1.0	3.0
18	LD11-7183			3.0	3.0	3.0	2.5	2.0	2.0
19	LD11-7226			3.0	3.0	3.0	2.5	2.0	3.0
20	LD11-7343			2.0	3.0	2.0	2.5	2.0	3.0

2014 SCN PRELIMINARY TEST III

Seed Weight (g/100)

		Leighton IA	Muscatine IA	Arthur IL	Manhattan KS	Ottawa KS	Novelty MO	Platts-mouth NE	Urbana IL
	SCN HG Type	2.5.7	I	2.5.7	2.5.7	I	I	2.5.7	NI
	Strain								
1	IA3023			16.7	13.8	13.0	18.0	17.7	16.7
2	IA3024			15.8	15.6	15.2	18.1	18.3	16.6
3	IA3048			17.0	14.0	14.4	18.9	20.1	16.8
4	IA4005			14.8	13.1	13.5	17.8	17.5	14.1
5	AR13-331002			15.6	14.1	14.5	17.6	18.7	15.9
6	AR13-331018			14.0	11.6	11.8	14.9	14.6	13.8
7	AR13-331026			16.9	13.9	13.0	15.7	19.2	15.9
8	AR13-331029			16.7	13.8	12.2	15.8	17.4	15.9
9	LD11-1014			17.3	15.1	16.0	20.1	19.9	17.8
10	LD11-10771			17.7	13.7	14.9	15.6	18.6	16.7
11	LD11-10797			16.0	13.6	13.9	16.6	18.4	16.9
12	LD11-10930			14.4	13.0	15.0	18.8	18.4	16.5
13	LD11-2170			16.6	14.5	14.1	19.3	20.0	17.0
14	LD11-2195			17.4	16.2	15.4	17.8	19.8	17.4
15	LD11-2253			17.0	10.9	12.9	15.2	17.2	16.3
16	LD11-5164a			17.9	15.2	16.4	19.9	20.5	19.8
17	LD11-7178			18.4	13.5	17.2	17.9	19.7	18.2
18	LD11-7183			18.5	14.8	15.0	19.3	21.3	18.2
19	LD11-7226			16.0	14.5	13.9	17.7	18.9	16.6
20	LD11-7343			15.0	14.7	15.9	18.7	19.3	16.7

2014 SCN PRELIMINARY TEST III

Protein (%)

		Leighton IA	Muscatine IA	Arthur IL	Manhattan KS	Ottawa KS	Novelty MO	Platts-mouth NE	Urbana IL
	SCN HG Type	2.5.7	I	2.5.7	2.5.7	I	I	2.5.7	NI
	Strain								
1	IA3023	32.0		33.3	33.0		33.9	31.6	33.8
2	IA3024	33.6		33.7	34.9		34.6	34.4	32.6
3	IA3048	37.3		35.7	36.6		35.5	32.6	35.0
4	IA4005	34.7		33.5	34.9		36.5	32.9	33.8
5	AR13-331002	35.5		35.3	37.2		35.8	33.2	33.9
6	AR13-331018	31.5		33.8	35.4		34.9	33.5	31.9
7	AR13-331026	34.5		36.4	36.7		33.1	33.4	33.6
8	AR13-331029	34.3		35.5	36.7		35.0	33.2	33.9
9	LD11-1014	33.9		33.5	37.3		35.4	32.9	33.7
10	LD11-10771	31.9		34.0	36.7		34.6	32.3	31.9
11	LD11-10797	32.6		35.0	34.2		34.0	32.7	31.4
12	LD11-10930	36.2		36.0	37.4		34.6	32.9	34.5
13	LD11-2170	37.0		33.7	37.5		35.1	36.1	33.2
14	LD11-2195	34.8		36.0	36.8		36.2	34.2	34.1
15	LD11-2253	33.4		34.6	36.9		35.3	34.1	33.0
16	LD11-5164a	33.6		34.2	35.9		34.2	33.0	34.0
17	LD11-7178	33.6		35.1	37.1		34.8	34.8	32.8
18	LD11-7183	31.4		33.0	35.2		34.1	33.1	30.9
19	LD11-7226	30.8		32.9	33.9		34.9	32.2	31.0
20	LD11-7343	29.7		34.5	34.9		35.9	34.4	33.1

2014 SCN PRELIMINARY TEST III

Oil (%)

		Leighton IA	Muscatine IA	Arthur IL	Manhattan KS	Ottawa KS	Novelty MO	Platts-mouth NE	Urbana IL
	SCN HG Type	2.5.7	I	2.5.7	2.5.7	I	I	2.5.7	NI
	Strain								
1	IA3023	19.7		18.2	19.1		18.7	17.4	18.5
2	IA3024	20.0		18.2	19.5		20.1	18.8	18.8
3	IA3048	17.8		16.7	19.1		18.9	17.2	17.9
4	IA4005	17.8		18.1	17.6		17.8	15.8	16.9
5	AR13-331002	16.9		15.7	16.6		17.2	18.0	16.7
6	AR13-331018	17.3		16.6	17.9		18.9	18.3	17.6
7	AR13-331026	18.1		16.4	16.7		18.5	17.7	17.6
8	AR13-331029	17.9		15.7	16.4		17.5	17.4	17.2
9	LD11-1014	18.1		18.5	19.2		19.2	17.6	18.7
10	LD11-10771	17.1		16.8	17.4		17.4	17.2	16.6
11	LD11-10797	17.9		17.0	19.5		18.7	18.1	18.1
12	LD11-10930	16.4		16.0	17.4		18.3	17.2	17.7
13	LD11-2170	17.8		19.2	17.8		18.7	18.4	20.0
14	LD11-2195	17.9		17.6	19.0		18.2	17.2	17.0
15	LD11-2253	18.4		17.9	19.4		19.7	18.5	18.7
16	LD11-5164a	16.9		17.0	18.4		18.0	16.8	17.5
17	LD11-7178	18.2		18.7	19.3		19.9	17.8	18.6
18	LD11-7183	18.9		17.6	19.4		20.4	18.6	17.6
19	LD11-7226	19.4		19.2	21.5		20.3	16.4	19.2
20	LD11-7343	18.8		17.5	19.9		18.8	17.5	18.6

2014 SCN UNIFORM TEST IV

	Strain	Descriptive code	Parentage
1	LD06-7620	PGbl	IA3023 x LD00- 3309
2	IA4005	WLtbl	IA3023 x IA3025
3	LD00- 2817P	PGibl	Ina x Dwight
4	AR13-331019	WGbf+ibl	PI 606749 x AR3
5	K11-1868	P+WGibl/bf	U98-311422 x LG04-5187
6	K11-2363	PLtbl	435.TCS x LD05-30578a
7	K11-2371	PLtbl	435.TCS x LD04-12754
8	LD07-3395bf	WGbf	LD07-3395 RESELECTION
9	LD11-2009	WTbl	Syngenta 03JR313108 x LD04-12754
10	LD11-3920	PGibl	LD06-7984 x LD04-13265
11	LD11-7311	P+WGbf	Syngenta 03JR313108 x LD02-4485
12	LD11-10310	PLtbl	LD06-7620 x LD04-13265
13	LD11-10649	PTbl	Dairyland 99753-81 x LD00-3309
14	LD11-11013	PLtbl	LD06-7620 x LG04-6000
15	LS07-2935	PTbl	SS98-7851 x LD00-3309
16	LS07-3125	WGbf	SS98-7851 x LD00-3309
17	LS07-3131	PGibl	SS98-7851 x LD00-3309
18	LS08-5515	WTbl	LS97-3617 x LS98-0582
19	LS08-5837	WTbl	LS93-0375 x LS98-0582
20	LS09-1527	PLtbr	Syngenta 30257-b02-07197 x LS01-3615
21	LS09-1803	WTbl	LD00-1938 x LS02-2213
22	LS09-2342	WTbl	Syngenta 98620-b1-51163 x LS01-1734
23	LS09-2655	WGbf	Syngenta 98620-b1-51163 x LS02-0425
24	LS09-2722	PLtgr	Syngenta 98620-b1-51163 x LS02-0425
25	S10-11227	WGbf	S04-8882 X R00-1194F

2014 SCN UNIFORM TEST IV

	Strain	Previous testing	Gen comp	SCN res source	Traits
1	LD06-7620	3	F5	PI 88788	
2	IA4005	2	F4	None	1% linolenic
3	LD00- 2817P	6	F5	PI 88788,437654	
4	AR13-331019	New	F4	PI 606749	IDC
5	K11-1868	13 SCN P IV	F4	PI 88788	
6	K11-2363	13 SCN P IV	F4	PI 88788	
7	K11-2371	13 SCN P IV	F4	PI 88788	
8	LD07-3395bf	1	F5	PI 88788,437654	
9	LD11-2009	New	F5	PI 88788	
10	LD11-3920	New	F5	PI 88788,437654	
11	LD11-7311	New	F5	PI 88788	
12	LD11-10310	New	F5	PI 88788	
13	LD11-10649	New	F5	PI 88788	
14	LD11-11013	New	F5	PI 88788	
15	LS07-2935	3	F5	PI88788	
16	LS07-3125	3	F5	PI88788	
17	LS07-3131	3	F5	PI88788	
18	LS08-5515	11 SCN U IV	F6	PI88788	
19	LS08-5837	2	F6	PI88788	
20	LS09-1527	1	F6	PI88788	
21	LS09-1803	1	F6	PI88788	
22	LS09-2342	1	F6	PI88788	
23	LS09-2655	1	F6	PI88788	
24	LS09-2722	1	F6	PI88788	
25	S10-11227	13 SCN P IV	F4	PI437654	

2014 SCN UNIFORM TEST IV

	IL SCN screen				SIU SDS	SIU SDS
	HG Type 0		HG Type 2.5.7		LSD=10	LSD=12
Strain	FI	rating	score	rating	DX	DX
1 LD06-7620	8	HR	40	LR	7	2
2 IA4005	77	NR	83	NR	10	28
3 LD00- 2817P	0	HR	3	HR	1	1
4 AR13-331019	0	HR	2	HR	0	2
5 K11-1868	9	HR	34	MR	20	17
6 K11-2363	9	HR	37	MR	9	23
7 K11-2371	9	HR	27	MR	1	2
8 LD07-3395bf	0	HR	5	HR	0	20
9 LD11-2009	5	HR	33	MR	0	12
10 LD11-3920	0	HR	4	HR	6	9
11 LD11-7311	6	HR	16	R	0	3
12 LD11-10310	10	R	21	R	0	42
13 LD11-10649	18	R	47	LR	0	0
14 LD11-11013	37	**	68	NR	0	15
15 LS07-2935	5	HR	27	MR	1	5
16 LS07-3125	12	R	35	MR	7	9
17 LS07-3131	9	HR	25	MR	5	17
18 LS08-5515	10	R	24	R	0	12
19 LS08-5837	6	HR	16	R	0	6
20 LS09-1527	3	HR	28	MR	16	36
21 LS09-1803	9	HR	22	R	6	5
22 LS09-2342	35	**	32	MR	1	19
23 LS09-2655	18	R	16	R	17	4
24 LS09-2722	7	HR	18	R	21	48
25 S10-11227	37	MR	42	LR	5	11
	** rep data too variable to rate			Ripley (res)	0	0
				S03-007CR(sus)	25	62
				LSD	10	22

2014 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	7		5		2		7	7	7	7	7	6	6
1	LD06-7620	**52.7**	**11**	50.0	13	59.8	10	927	1.7	29	2.5	14.9	34.7	18.1
2	IA4005	**52.3**	**13**	49.5	15	59.6	11	-1	1.3	28	2.2	15.0	35.2	18.4
3	LD00- 2817P	**53.2**	**10**	51.4	8	57.6	14	2	2.0	34	2.6	14.0	33.6	18.9
4	AR13-331019	**51.6**	**17**	50.6	9	55.0	18	-3	3.1	38	2.9	13.3	34.0	18.0
5	K11-1868	**48.8**	**20**	46.6	20	54.3	19	-3	1.2	28	2.8	16.1	34.0	18.3
6	K11-2363	**57.5**	**1**	55.5	1	61.7	9	1	1.2	27	2.3	16.8	34.3	17.4
7	K11-2371	**53.8**	**7**	50.1	12	62.6	5	0	1.4	30	2.3	14.7	35.2	17.8
8	LD07-3395bf	**57.2**	**2**	54.4	2	64.3	3	-2	1.7	27	2.5	16.9	33.2	19.3
9	LD11-2009	**51.7**	**16**	48.0	19	62.0	8	-5	2.5	31	2.4	15.6	34.1	18.3
10	LD11-3920	**52.3**	**13**	48.5	18	62.9	4	-3	1.7	32	2.8	16.0	33.6	19.6
11	LD11-7311	**56.2**	**3**	53.2	4	65.7	1	-4	1.9	32	2.3	17.1	34.3	18.3
12	LD11-10310	**55.4**	**4**	51.9	6	64.8	2	-2	1.8	32	2.5	14.9	33.9	18.8
13	LD11-10649	**53.5**	**8**	50.4	10	62.4	7	-4	2.2	34	2.4	16.3	33.9	19.3
14	LD11-11013	**52.6**	**12**	48.9	17	62.5	6	-1	1.8	30	2.2	15.1	32.9	18.6
15	LS07-2935	**53.3**	**9**	51.5	7	58.1	13	3	2.4	39	2.6	15.6	34.9	18.3
16	LS07-3125	**45.3**	**23**	42.2	23	52.2	21	2	1.5	32	2.5	13.6	33.3	18.6
17	LS07-3131	**51.6**	**17**	50.4	10	53.3	20	4	1.9	34	2.7	15.4	34.1	18.2
18	LS08-5515	**39.9**	**24**	39.4	24	40.3	24	1	2.0	34	2.2	12.3	35.3	18.3
19	LS08-5837	**45.6**	**21**	43.8	22	50.0	22	2	1.9	33	2.4	13.6	34.3	17.5
20	LS09-1527	**54.5**	**5**	53.4	3	57.5	15	3	2.3	33	2.5	17.3	34.5	18.0
21	LS09-1803	**45.5**	**22**	44.1	21	48.7	23	4	2.8	35	2.6	12.7	34.9	17.7
22	LS09-2342	**52.0**	**15**	49.6	14	58.3	12	4	2.4	35	2.6	16.3	35.1	19.4
23	LS09-2655	**30.8**	**25**	29.8	25	31.0	25	3	1.7	30	2.7	17.0	34.9	18.6
24	LS09-2722	**51.1**	**19**	49.3	16	55.1	17	4	1.5	29	2.4	16.8	36.9	17.6
25	S10-11227	**54.1**	**6**	52.8	5	56.7	16	1	1.8	31	2.7	13.8	35.6	18.2
	Mean	**50.9**		48.6		56.6		0.0	1.9	31.8				
	LSD(.05)	**4.2**		5.1		5.2		1.6	0.4	1.5				
	C.V. %	**13.6**		14.5		8.0		9.6	34.3	8.0				

2014 SCN UNIFORM TEST IV

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	17		10		7		15	17	17	17	17	13	13
1	LD06-7620	**54.1**	**3**	50.2	6	59.8	3	927	1.5	30	2.4	14.5	33.8	18.9
2	IA4005	**50.4**	**10**	46.4	10	56.1	9	-1	1.2	28	2.1	14.5	34.2	19.0
3	LD00- 2817P	**51.9**	**8**	50.6	3	53.8	11	3	1.9	35	2.4	13.7	32.9	19.5
8	LD07-3395bf	**57.2**	**1**	53.1	1	63.0	1	-2	1.5	28	2.4	16.2	32.7	19.9
15	LS07-2935	**53.4**	**7**	50.3	4	58.0	7	3	2.2	39	2.3	15.6	34.3	18.9
16	LS07-3125	**48.4**	**11**	45.3	11	52.8	12	1	1.4	34	2.2	13.3	33.2	19.4
17	LS07-3131	**53.8**	**5**	50.3	5	59.0	6	3	1.7	35	2.3	15.2	33.7	19.0
19	LS08-5837	**46.9**	**12**	43.6	12	51.7	13	1	1.8	34	2.3	13.8	34.1	18.2
20	LS09-1527	**55.3**	**2**	52.3	2	59.8	4	3	2.2	34	2.2	16.8	33.7	19.0
21	LS09-1803	**51.5**	**9**	47.8	9	56.7	8	4	2.6	36	2.2	13.1	34.3	18.3
22	LS09-2342	**53.4**	**6**	49.3	8	59.3	5	3	2.2	36	2.4	16.1	34.3	20.1
23	LS09-2655	**44.9**	**13**	38.3	13	54.4	10	3	1.5	33	2.5	17.0	34.8	19.1
24	LS09-2722	**54.0**	**4**	49.8	7	60.1	2	4	1.4	31	2.4	16.2	35.9	18.5

2014 SCN UNIFORM TEST IV

Yield (bu/a)

		Browns-town IL	Manhattan KS	Ottawa KS	Clarkton MO	Novelty MO	Urbana IL	Jackson TN
	SCN HG Type	2.5.7	2.5.7	I	I	I	NI	NI
	Strain							
1	LD06-7620	58.4	50.6	36.8	35.8	68.4	70.3	49.0
2	IA4005	57.9	44.0	34.9	47.0	63.2	67.9	50.9
3	LD00- 2817P	69.5	49.8	32.9	53.5	54.3	66.7	48.0
4	AR13-331019	57.4	52.5	31.9	45.3	65.4	70.0	39.5
5	K11-1868	58.7	52.9	33.5	32.7	56.1	58.5	49.9
6	K11-2363	59.2	57.9	33.9	49.6	75.1	67.2	55.9
7	K11-2371	56.9	53.5	38.6	27.7	73.0	67.6	57.3
8	LD07-3395bf	64.1	52.7	35.6	46.1	73.5	72.7	55.5
9	LD11-2009	55.2	43.0	37.5	35.8	68.0	74.1	49.5
10	LD11-3920	61.5	49.7	38.2	38.7	55.8	73.2	52.3
11	LD11-7311	55.4	56.1	38.5	38.5	75.3	83.3	47.7
12	LD11-10310	61.8	49.1	34.4	34.4	80.2	75.9	53.3
13	LD11-10649	56.3	44.8	36.1	41.6	71.9	74.6	49.7
14	LD11-11013	57.5	47.6	36.4	39.3	63.5	73.8	50.9
15	LS07-2935	54.5	52.7	37.3	46.6	64.5	69.9	46.0
16	LS07-3125	49.1	44.8	30.2	36.2	49.8	54.8	49.3
17	LS07-3131	56.9	55.6	34.2	38.9	65.7	57.8	48.5
18	LS08-5515	44.1	42.3	32.2	33.1	22.8	51.2	29.1
19	LS08-5837	53.9	43.6	28.9	36.7	56.0	59.8	39.8
20	LS09-1527	63.1	55.3	34.2	50.4	64.2	69.1	45.6
21	LS09-1803	54.7	40.3	29.9	47.6	48.6	58.0	39.0
22	LS09-2342	59.7	49.0	31.5	43.8	64.1	67.6	48.7
23	LS09-2655	39.7	20.5	23.7	21.6	.	.	36.2
24	LS09-2722	61.6	45.4	31.8	47.2	61.3	61.2	48.6
25	S10-11227	57.7	54.9	37.0	56.7	56.2	63.4	49.6
	Average	57.0	48.3	34.0	41.0	62.4	67.0	47.6
	LSD(.05)	6.9	6.2	3.1	12.1	13.2	10.6	7.0
	C.V. %	5.8	7.9	5.6	15.0	12.9	7.6	8.9
	Replications	2	3	3	3	3	2	3
	Row width (in.)	30	30	30	30	30	30	30

2014 SCN UNIFORM TEST IV

Yield (rank)

		Browns-town	Manhattan	Ottawa	Clarkton	Novelty	Urbana	Jackson
		IL	KS	KS	MO	MO	IL	TN
	SCN HG Type	2.5.7	2.5.7	I	I	I	NI	NI
	Strain							
1	LD06-7620	10	11	7	19	7	8	13
2	IA4005	11	20	11	7	15	12	6
3	LD00- 2817P	1	12	17	2	21	16	17
4	AR13-331019	14	10	19	10	10	9	22
5	K11-1868	9	7	16	23	18	20	8
6	K11-2363	8	1	15	4	3	15	2
7	K11-2371	15	6	1	24	5	13	1
8	LD07-3395bf	2	8	10	9	4	7	3
9	LD11-2009	19	22	4	19	8	4	11
10	LD11-3920	6	13	3	15	20	6	5
11	LD11-7311	18	2	2	16	2	1	18
12	LD11-10310	4	14	12	21	1	2	4
13	LD11-10649	17	18	9	12	6	3	9
14	LD11-11013	13	16	8	13	14	5	6
15	LS07-2935	21	8	5	8	11	10	19
16	LS07-3125	23	18	22	18	22	23	12
17	LS07-3131	15	3	13	14	9	22	16
18	LS08-5515	24	23	18	22	24	24	25
19	LS08-5837	22	21	24	17	19	19	21
20	LS09-1527	3	4	13	3	12	11	20
21	LS09-1803	20	24	23	5	23	21	23
22	LS09-2342	7	15	21	11	13	14	14
23	LS09-2655	25	25	25	25	.	.	24
24	LS09-2722	5	17	20	6	16	18	15
25	S10-11227	12	5	6	1	17	17	10

2014 SCN UNIFORM TEST IV

Maturity

		Browns-town IL	Manhattan KS	Ottawa KS	Clarkton MO	Novelty MO	Urbana IL	Jackson TN
	SCN HG Type	2.5.7	2.5.7	I	I	I	NI	NI
	Strain							
1	LD06-7620	10/03	9/27	9/21	9/23	9/29	10/06	9/20
2	IA4005	-3	-1	2	2	-2	-2	-5
3	LD00- 2817P	0	0	2	3	4	3	5
4	AR13-331019	-2	-1	-6	0	-2	-2	-11
5	K11-1868	-3	-1	3	-4	-4	-5	-6
6	K11-2363	-1	1	2	2	5	-1	-1
7	K11-2371	-3	-1	3	-2	3	1	-1
8	LD07-3395bf	-2	-1	0	-1	-3	-6	-2
9	LD11-2009	-6	-4	0	-2	-4	-6	-11
10	LD11-3920	-2	-3	2	-2	-6	-6	-1
11	LD11-7311	-6	-2	1	-8	-4	-4	-7
12	LD11-10310	-4	-4	1	-2	-2	-3	-2
13	LD11-10649	-7	-6	-1	-3	-4	-5	-5
14	LD11-11013	-2	-1	1	0	-2	0	-5
15	LS07-2935	0	0	4	3	3	4	5
16	LS07-3125	-2	1	6	-1	-1	5	3
17	LS07-3131	-1	1	5	1	8	7	6
18	LS08-5515	-2	1	7	3	5	1	-6
19	LS08-5837	0	1	5	-1	5	2	0
20	LS09-1527	-1	2	3	3	4	2	6
21	LS09-1803	1	1	5	3	8	7	3
22	LS09-2342	1	1	7	4	7	2	6
23	LS09-2655	-3	1	7	1	8	.	6
24	LS09-2722	1	2	5	4	7	3	6
25	S10-11227	-3	0	4	3	0	1	2
	Planted	5/23	5/14	5/21	5/20	5/20	5/21	5/20

2014 SCN UNIFORM TEST IV

Lodging (score)

		Browns-town IL	Manhattan KS	Ottawa KS	Clarkton MO	Novelty MO	Urbana IL	Jackson TN
	SCN HG Type	2.5.7	2.5.7	I	I	I	NI	NI
	Strain							
1	LD06-7620	1.0	1.0	1.0	1.0	2.5	2.8	2.3
2	IA4005	1.3	1.0	1.0	1.0	1.5	1.8	1.3
3	LD00- 2817P	2.0	2.0	1.0	1.0	2.0	2.8	3.0
4	AR13-331019	3.3	2.7	1.0	2.0	4.3	3.3	5.0
5	K11-1868	1.0	1.0	1.0	1.0	1.7	1.8	1.0
6	K11-2363	1.5	1.0	1.0	1.0	1.5	1.5	1.0
7	K11-2371	1.0	1.7	1.0	1.0	1.7	1.8	1.3
8	LD07-3395bf	1.8	1.7	1.0	1.0	2.0	2.0	2.7
9	LD11-2009	1.8	2.7	1.0	1.0	4.0	2.8	4.0
10	LD11-3920	1.0	2.0	1.0	1.0	2.3	2.5	2.0
11	LD11-7311	1.5	2.0	1.0	1.0	2.5	2.0	3.0
12	LD11-10310	1.0	1.7	1.0	1.0	3.5	2.0	2.3
13	LD11-10649	1.8	2.0	1.0	1.0	3.3	2.8	3.3
14	LD11-11013	1.0	1.7	1.0	1.0	2.0	3.0	3.0
15	LS07-2935	2.8	2.0	1.3	1.0	2.8	3.5	3.7
16	LS07-3125	1.5	1.0	1.0	1.0	2.7	2.3	1.3
17	LS07-3131	1.5	2.0	1.0	1.0	2.0	3.5	2.3
18	LS08-5515	1.8	2.0	1.0	1.0	3.2	2.5	2.3
19	LS08-5837	1.8	2.0	1.0	1.0	3.0	2.8	2.0
20	LS09-1527	2.8	1.7	1.0	1.0	3.2	2.5	3.7
21	LS09-1803	3.5	2.0	1.0	2.0	3.5	3.0	4.3
22	LS09-2342	2.5	3.0	1.0	1.0	2.5	3.0	4.0
23	LS09-2655	2.0	2.3	1.0	1.0	3.0	.	1.0
24	LS09-2722	1.5	1.7	1.0	1.0	2.3	2.3	1.0
25	S10-11227	1.3	2.0	1.0	1.0	2.5	2.5	2.0

2014 SCN UNIFORM TEST IV

Height (inches)

		Browns-town IL	Manhattan KS	Ottawa KS	Clarkton MO	Novelty MO	Urbana IL	Jackson TN
	SCN HG Type	2.5.7	2.5.7	I	I	I	NI	NI
	Strain							
1	LD06-7620	26	32	25	21	30	38	29
2	IA4005	26	31	26	23	28	32	27
3	LD00- 2817P	32	37	30	27	33	38	37
4	AR13-331019	38	40	38	37	43	35	37
5	K11-1868	27	32	26	22	29	31	28
6	K11-2363	28	29	24	23	31	31	26
7	K11-2371	29	30	27	23	34	36	29
8	LD07-3395bf	25	32	22	22	24	33	29
9	LD11-2009	32	34	28	24	31	40	29
10	LD11-3920	29	34	29	23	34	44	32
11	LD11-7311	32	36	28	22	33	41	33
12	LD11-10310	32	35	27	24	34	40	32
13	LD11-10649	30	37	31	28	36	43	35
14	LD11-11013	28	31	26	24	31	38	31
15	LS07-2935	35	41	36	32	42	45	40
16	LS07-3125	30	33	27	28	35	34	35
17	LS07-3131	33	37	32	28	37	39	34
18	LS08-5515	34	35	31	29	35	40	30
19	LS08-5837	33	35	31	29	36	33	31
20	LS09-1527	30	36	30	30	35	41	31
21	LS09-1803	35	36	33	33	40	37	33
22	LS09-2342	33	36	31	35	38	39	35
23	LS09-2655	29	30	31	29	32	.	31
24	LS09-2722	28	31	24	27	32	33	31
25	S10-11227	30	33	28	26	32	37	34

2014 SCN UNIFORM TEST IV

Seed Quality (score)

		Browns-town IL	Manhattan KS	Ottawa KS	Clarkton MO	Novelty MO	Urbana IL	Jackson TN
	SCN HG Type	2.5.7	2.5.7	I	I	I	NI	NI
	Strain							
1	LD06-7620	2.0	3.0	3.0	4.0	2.0	2.0	1.7
2	IA4005	2.0	3.0	3.0	3.0	1.5	1.0	1.7
3	LD00- 2817P	2.0	3.0	3.0	3.0	2.0	2.0	3.3
4	AR13-331019	3.0	3.0	3.0	5.0	2.0	2.0	2.0
5	K11-1868	3.0	3.0	3.0	5.0	2.0	2.0	1.5
6	K11-2363	2.0	3.0	3.0	3.0	1.5	2.0	1.3
7	K11-2371	2.0	3.0	3.0	4.0	1.5	1.0	1.3
8	LD07-3395bf	2.0	4.0	3.0	3.0	1.5	2.0	2.0
9	LD11-2009	2.0	3.0	3.0	3.0	2.0	2.0	1.7
10	LD11-3920	2.0	3.0	3.0	5.0	2.5	2.0	2.0
11	LD11-7311	2.0	3.0	3.0	2.0	2.0	2.0	2.0
12	LD11-10310	2.0	3.0	3.0	4.0	1.5	2.0	2.0
13	LD11-10649	2.0	3.0	3.0	3.0	1.5	2.0	2.0
14	LD11-11013	2.0	3.0	3.0	2.0	1.5	2.0	2.0
15	LS07-2935	2.0	3.0	3.0	4.0	1.5	2.0	2.7
16	LS07-3125	2.0	3.0	4.0	2.0	2.0	2.0	2.3
17	LS07-3131	2.0	3.0	3.0	4.0	1.5	3.0	2.3
18	LS08-5515	1.0	3.0	3.0	3.0	2.0	2.0	1.7
19	LS08-5837	2.0	3.0	3.0	2.0	2.0	3.0	1.7
20	LS09-1527	1.0	3.0	3.0	4.0	1.5	2.0	3.0
21	LS09-1803	2.0	3.0	3.0	3.0	2.5	2.0	2.7
22	LS09-2342	2.0	3.0	3.0	4.0	2.0	2.0	2.3
23	LS09-2655	1.0	3.0	3.0	4.0	2.0	3.0	2.7
24	LS09-2722	2.0	3.0	3.0	3.0	2.0	2.0	2.0
25	S10-11227	2.0	3.0	3.0	5.0	2.0	2.0	2.0

2014 SCN UNIFORM TEST IV

Seed Weight (g/100)

		Browns-town IL	Manhattan KS	Ottawa KS	Clarkton MO	Novelty MO	Urbana IL	Jackson TN
	SCN HG Type	2.5.7	2.5.7	I	I	I	NI	NI
	Strain							
1	LD06-7620	16.5	12.2	12.7	17.5	17.1	14.7	13.9
2	IA4005	16.2	13.0	15.2	17.5	15.5	14.4	13.1
3	LD00- 2817P	15.4	13.4	11.9	16.2	13.6	14.4	13.4
4	AR13-331019	14.5	12.5	11.4	14.8	15.8	12.8	11.5
5	K11-1868	18.1	14.5	15.5	16.7	17.4	15.7	14.6
6	K11-2363	18.0	14.6	16.8	17.7	18.3	16.3	15.6
7	K11-2371	14.8	12.3	14.3	16.4	16.2	14.5	14.2
8	LD07-3395bf	18.1	16.8	13.6	17.7	18.9	17.3	15.9
9	LD11-2009	15.7	13.1	14.8	16.4	18.4	16.6	14.4
10	LD11-3920	17.7	13.3	17.8	16.0	13.5	17.9	15.6
11	LD11-7311	16.4	14.0	17.7	18.1	20.1	18.1	15.2
12	LD11-10310	15.8	13.6	14.2	15.1	18.0	14.2	13.5
13	LD11-10649	16.4	12.7	15.6	17.7	20.5	17.3	14.2
14	LD11-11013	15.2	13.4	14.8	20.4	15.2	13.7	12.7
15	LS07-2935	15.9	13.8	13.3	18.8	17.4	15.1	15.2
16	LS07-3125	13.6	13.5	11.3	13.7	14.3	14.1	14.5
17	LS07-3131	15.7	15.4	12.8	17.7	17.2	14.3	14.7
18	LS08-5515	12.7	12.7	10.1	12.8	13.9	14.5	9.7
19	LS08-5837	14.0	13.0	11.6	14.0	15.0	14.6	13.2
20	LS09-1527	18.9	15.9	14.0	19.3	19.3	18.2	15.8
21	LS09-1803	13.5	11.0	10.5	13.9	13.8	13.9	12.6
22	LS09-2342	17.5	15.0	13.5	17.7	17.9	16.7	15.9
23	LS09-2655	17.2	17.8	13.4	16.8	18.3	18.4	16.8
24	LS09-2722	18.3	15.1	17.6	16.7	15.9	17.7	16.1
25	S10-11227	15.6	14.1	12.0	15.4	13.1	13.7	13.0

2014 SCN UNIFORM TEST IV

Protein (%)

		Browns-town IL	Manhattan KS	Ottawa KS	Clarkton MO	Novelty MO	Urbana IL	Jackson TN
	SCN HG Type	2.5.7	2.5.7	I	I	I	NI	NI
	Strain							
1	LD06-7620	34.8	35.0		34.9	34.5	33.8	35.1
2	IA4005	35.9	34.3		36.3	35.5	34.3	35.3
3	LD00- 2817P	33.6	34.3		34.5	32.0	32.2	35.1
4	AR13-331019	34.2	35.6		31.0	34.1	34.6	34.3
5	K11-1868	35.4	34.7		31.8	35.0	33.0	34.3
6	K11-2363	34.1	35.6		33.8	34.9	33.5	33.6
7	K11-2371	35.8	36.0		31.1	36.0	35.3	36.9
8	LD07-3395bf	34.1	34.2		32.0	32.5	32.7	33.5
9	LD11-2009	36.1	34.4		32.2	35.6	32.4	33.6
10	LD11-3920	32.8	35.1		31.2	34.2	34.0	34.2
11	LD11-7311	34.8	34.5		32.7	35.8	33.5	34.8
12	LD11-10310	36.6	34.0		30.5	35.0	34.9	32.7
13	LD11-10649	35.4	34.3		31.4	35.2	32.7	34.3
14	LD11-11013	33.3	33.6		31.9	32.8	33.2	32.9
15	LS07-2935	35.8	35.9		34.9	34.6	33.6	34.8
16	LS07-3125	33.2	34.8		31.2	34.0	32.9	33.8
17	LS07-3131	34.1	34.8		31.5	35.5	34.3	34.3
18	LS08-5515	35.7	37.7		32.6	35.4	34.6	35.8
19	LS08-5837	36.0	35.7		31.4	35.0	33.3	34.8
20	LS09-1527	34.3	35.6		32.7	35.4	33.4	35.8
21	LS09-1803	35.8	35.7		33.7	34.5	34.3	35.2
22	LS09-2342	36.9	37.3		33.1	33.8	34.4	35.3
23	LS09-2655	35.7	36.0		32.4	35.2	33.7	36.4
24	LS09-2722	37.9	39.3		36.9	35.6	36.6	35.4
25	S10-11227	34.9	36.4		34.0	34.5	36.2	37.5

2014 SCN UNIFORM TEST IV

Oil (%)

		Browns-town IL	Manhattan KS	Ottawa KS	Clarkton MO	Novelty MO	Urbana IL	Jackson TN
	SCN HG Type	2.5.7	2.5.7	I	I	I	NI	NI
	Strain							
1	LD06-7620	17.3	17.4		18.5	18.3	17.5	19.6
2	IA4005	17.9	17.6		19.5	17.6	18.0	19.7
3	LD00- 2817P	18.3	18.4		19.3	18.8	18.6	20.2
4	AR13-331019	16.4	17.0		20.5	17.3	17.4	19.8
5	K11-1868	16.6	17.9		20.4	18.3	17.1	19.6
6	K11-2363	16.5	17.6		19.4	16.2	15.8	18.6
7	K11-2371	17.0	17.5		20.1	17.5	15.8	19.0
8	LD07-3395bf	18.1	18.3		21.7	18.3	18.9	20.3
9	LD11-2009	17.5	18.8		20.0	18.0	16.9	18.8
10	LD11-3920	19.5	18.4		22.1	19.0	18.1	20.6
11	LD11-7311	17.5	17.5		20.9	17.9	17.2	19.0
12	LD11-10310	17.7	18.7		21.1	18.1	17.1	19.8
13	LD11-10649	17.8	19.7		20.9	19.0	19.0	19.5
14	LD11-11013	18.0	18.4		19.9	18.7	17.5	19.1
15	LS07-2935	17.9	19.0		18.9	17.2	16.2	20.9
16	LS07-3125	17.9	17.7		21.7	17.7	17.1	19.2
17	LS07-3131	17.5	18.1		20.4	17.2	17.4	18.6
18	LS08-5515	18.2	17.7		20.0	17.8	17.5	18.7
19	LS08-5837	17.5	17.6		19.5	17.0	16.4	17.0
20	LS09-1527	18.2	18.0		18.7	17.9	16.3	19.2
21	LS09-1803	16.3	16.2		18.3	18.2	16.9	20.1
22	LS09-2342	18.5	19.1		19.9	19.2	18.6	21.1
23	LS09-2655	17.9	18.1		21.8	17.8	17.3	18.6
24	LS09-2722	17.2	17.2		19.1	17.3	16.8	17.9
25	S10-11227	17.8	17.4		20.3	18.8	16.3	18.6