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Spring

SEED GUIDE 2015

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- University of Nebraska–Lincoln Extension
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- Department of Agronomy & Horticulture

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WELCOME TO THE 2015 SPRING SEED GUIDE

Corn and soybeans are included in this seed guide. Individual plot data for regions is available on the web at http://cropwatch.unl.edu/varietytest/corn for corn and http://cropwatch.unl.edu/varietytest/soybeans for soybeans. It is our hope that you will find this guide useful in making hybrid and variety selection for planting this spring. Please send any comments and suggestions to tregassa2@unl.edu.

Please visit our web site at http://cropwatch.unl.edu/varietytest-archive for all the information you need on varietytesting.

Teshome Regassa

University of Nebraska-Lincoln

NEBRASKA VARIETY AND HYBRID TESTS

SPRING SEED GUIDE – 2015

- November 2014 -

AUTHORS

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NEBRASKA CORN HYBRID TESTS

CROP PRODUCTION SUMMARY

According to the *National Agricultural Statistics Service*, there were 8.75 million acres of corn harvested in Nebraska in 2014 producing approximately 1.58 billion bushels of grain. The total average corn yield for Nebraska in 2014 was a record 181 bushels per acre (bu/a). Total corn yields from the previous 10 years are reported below.

Average Nebraska Corn Yield (Last 10 Years)

Year	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014
Yield (bu/a)	166	154	152	160	163	178	166	160	142	169	181

Source: NASS

Abundant rainfall across the state allowed for high yields in many rainfed locations across Nebraska. Severe weather played a big role in the growing season as some areas were hit hard by storms and forced to replant. Detailed information regarding crop progress and history can be obtained from the National Agricultural Statistics Service available online at http://www.nass.usda.gov

PROCEDURE

Ten corn performance tests were planted throughout eastern Nebraska and northeastern Nebraska as well as the Nebraska-Wyoming border in 2014. Corn trials are conducted to provide yield and other information about corn hybrids available to corn growers in Nebraska. A fee from seed companies covers a portion of the cost of each test. Entry was submitted on a voluntary basis and hybrids entered were selected by seed producers. At many locations, widely grown hybrids were entered by the Agronomy/Horticulture Department or a cooperator.

PROCEDURE (CONTINUED)

Individual plots are two rows wide and range from 15 to 35 feet long. Each test location had the same number of seed planted for all hybrids. The plant population represents the average harvested plant density. Grain yields are expressed on a 15.5% moisture basis. Yields shown are averages of four or more replicated plots at each location. Plots were machine harvested and grain moisture determinations (with the exception of the Wyoming site) were made with an electronic moisture meter or moisture sensors on the combine.

Variations in soil fertility, moisture conditions, and other factors are found in each test area. This makes it impossible to measure yielding ability of hybrids with absolute accuracy. For this reason, small yield differences have little meaning. A statistical measure of differences required for significance is given in each table (LSD). These differences are computed at the 5% level of significance. At the 5% level, a difference of that magnitude would be expected once in twenty trials through chance alone. Most fields have some degree of spatial variability. We make every effort to remove the variability by blocking and using other experimental design methods. We also use statistical procedures to remove a portion of the spatial variability.

In these experiments, many hybrids statistically had the same grain production. Performances of hybrids vary with seasonal conditions. Great care should be used in interpreting the results of a single year test. Earlier maturing hybrids are favored in some seasons while later ones perform best in other years. In addition, some hybrids are able to withstand unfavorable weather conditions better than others which may do well under ideal growing conditions. Performance over a period of years should give a much better measure of adaptation whenever available. Harvest moisture, stalk strength, and resistance to insect and disease also are factors which must be considered in selecting hybrids.

Relative hybrid performance often varies with locations within zones. In zone analysis, the hybrid by location mean square was used to calculate the differences required for significance shown in the tables. Moisture at harvest is an important consideration in hybrid selection as it does affect time of harvest and drying costs although this year the grain was all quite dry at harvest.

RESULTS AT INDIVIDUAL LOCATIONS

Southeast District:

Rainfed tests were planted in Butler, Gage and Otoe Counties.

- The Butler County rainfed test was planted on May 3rd and harvested on November 8th, with an average yield of 217bu/a. There were 36 varieties entered in this rainfed test including one farmer entry: (A) Golden Harvest G14R38.
- The Gage County rainfed test was planted on May 2nd and harvested on November 5th with an average yield of 208bu/a. There were 36 varieties entered in this rainfed test including three farmer entries: (A) Dekalb 63-55, (B) Dekalb 65-81, (C) Dekalb 67-58. The site was hit by repeated hail storms during vegetative stages, but recovered to produce a good crop.
- The Otoe County rainfed test was planted on May 3rd and harvested on November 4th with an average yield of 225 bu/a. There were 36 varieties entered in this rainfed test including two farmer entries: (A) Hoegemeyer 8033 3000GT, (B) Hoegemeyer 8294.

Irrigated tests were planted in Clay, Hamilton and York Counties

- The Clay County irrigated test was planted on May 2nd and harvested on November 7th with an average yield of 280 bu/a. There were 38 varieties entered in this rainfed test including three farmer entries: (A) Pioneer P1151AMX, (B) Dekalb 64-87 RIB, (C) Pioneer P1690CHR.
- The Hamilton County irrigated test was planted on April 28th and harvested on November 9th. Unfortunately early season hail damage caused uneven yields across the plots. As a result, no data was released for this location.

RESULTS AT INDIVIDUAL LOCATIONS (CONTINUED)

- The York County irrigated test was planted on May 3rd and harvested on November 4th with an average yield of 225 bu/a. There were 36 varieties entered in this rainfed test including two farmer entries: (A) Hoegemeyer 8033 3000GT, (B) Hoegemeyer 8294.

North/Northeast District:

Three tests were planted in Dixon, Holt, and Pierce Counties

- The Dixon County irrigated test was planted on May 19th and harvested on November 13th with an average yield of 193bu/a. There were 22 varieties entered in this irrigated test. Early season rains had water flowing through all of the plots when corn was V6-V8. Trial was damaged slightly by late season hail storm.
- The Dixon County rainfed test was planted on May 19th and harvested on November 1st with an average yield of 204bu/a. There were 22 varieties entered in this rainfed test.
- The Holt County irrigated test was planted on May 21st and harvested on November 6th with an average yield of 214bu/a. There were 35 varieties entered in this irrigated test.

West District:

There was one irrigated test planted in Goshen County, Wyoming

- The Goshen County, WY irrigated test was planted on May 22nd and harvested on November 12th with an average yield of 131bu/a. There were 6 varieties entered at this test location.

CULTURAL PRACTICES

Butler County: Rainfed; Previous Crop: Soybean; No-till; Fertilizer: 140 lb NH3; 5 gal 9-18-9; Herbicide: 3 oz Corvus.

Clay County: Irrigated; Previous Crop: Soybean; Conventional; Fertilizer: 100 lb 11-52-0 (fall ’13), 180lb NH3 (spring ’14), 5 gal 10-34-0; Herbicide: 3 oz Corvus, 22 oz Round-up PowerMax

Dixon County (Irrigated): Irrigated; Previous crop: Corn; Conventional; Fertilizer: 150lb NH3; Herbicide: 1.3pt/a Dual II Magnum, 29oz Durango.

Dixon County (Rainfed): Rainfed; Previous crop: Corn; Conventional; Fertilizer: 150lb NH3; Herbicide: 1.3pt/a Dual II Magnum, 29oz Durango.

Gage County: Rainfed; Previous crop: Soybean; No-till; Fertilizer: 100 lb N, 40 lb P, 8 lb S, 0.25 lb Zn; Herbicide: Lexar

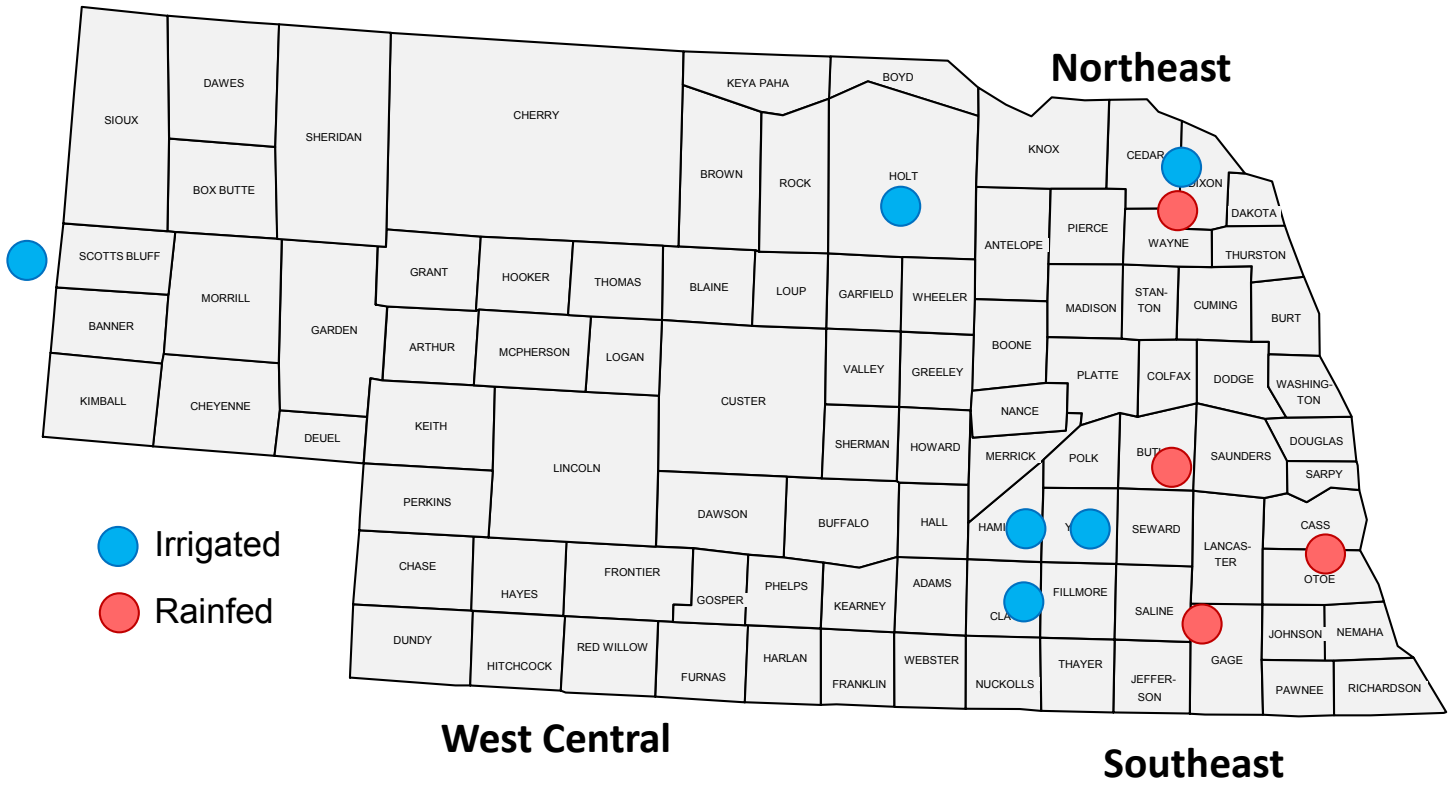
Goshen County, WY: Irrigated; Previous Crop: Sugarbeets; Conventional; Fertilizer: 185 lb N, 40 lb P2O5, 20 lb S; Herbicide: Not available.

Holt County: Irrigated; Previous crop: Soybean; No-till; Fertilizer: 150 lb N, 22 lb P, 22lb S; Herbicide: Round-up (burndown), Halex GT + Ultra Lite POST

Otoe County: Rainfed; Previous Crop: Soybean; No-till; Fertilizer: 120 lb NH3; Herbicide: 3qt Lexar + 0.5 lb atrazine

York County: Pivot irrigated; Previous Crop: Corn; No-till; Fertilizer: 200 lb NH3; 100 gal 11-52-0; Herbicide: Corvus

2015 CORN TRIAL SITE LOCATIONS



2015 CORN TRIAL SITE PRECIPITATION

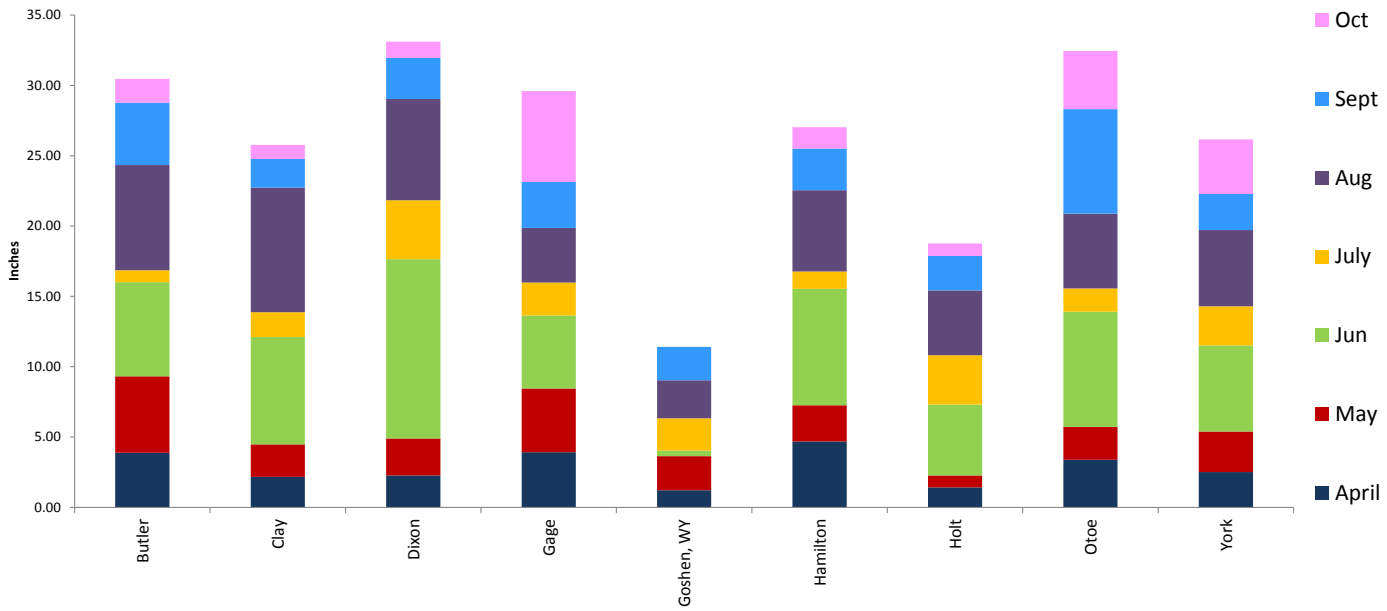


TABLE A. LOCATIONS, COOPERATORS, PLANTING AND HARVEST DATES OF NEBRASKA CORN TEST PLOTS

Location	Cooperator	Test	Planted	Harvested	Latitude	Longitude
Southeast						
Butler County	Jim Heins; Rising City, NE	Rainfed	5/3/2014	11/8/2014	41.18707	-97.20781
Otoe County	James Farms; Nebraska City, NE	Rainfed	5/3/2014	11/4/2014	40.77516	-95.94111
Gage County	Scott Kapke; Clatonia, NE	Rainfed	5/2/2014	11/5/2014	40.48939	-96.87487
Hamilton County	Mike Danhauer; Aurora, NE	Irrigated	4/28/2014	11/9/2014	40.95918	-98.02333
York County	Alan Songster; Exeter, NE	Irrigated	5/4/2014	11/6/2014	40.74241	-97.41959
Clay County	UNL SCREC; Harvard, NE	Irrigated	5/2/2014	11/7/2014	40.57340	-98.13554
North/Northeast						
Dixon County	Haskell Ag Lab; Concord, NE	Irrigated	5/19/2014	11/13/2014	42.23259	-96.57305
Dixon County	Haskell Ag Lab; Concord, NE	Rainfed	5/19/2014	11/1/2014	42.22807	-96.57308
Holt County	Jess Miner; O'Neill, NE	Irrigated	5/21/2014	11/6/2014	42.31271	-98.41833
West						
Goshen County, WY	UW-SAREC, Lingle, WY	Irrigated	5/22/2014	11/12/2014	42.0752	-104.2352

TABLE B. SOIL TYPE AND CULTURAL PRACTICES AT CORN TRIAL SITES

Location	Water	Soil Series	Tillage	Previous Crop	Fertilizer	Herbicide
Southeast						
Butler County	Rainfed	Hastings silt loam	No-till	Soybean	5 gal 9-18-9, 140 lb NH3	3 oz Corvus
Otoe County	Rainfed	Aksarben silty clay loam	No-till	Soybean	120 lb NH3	Lexar
Gage County	Rainfed	Wymore silty clay loam	No-till	Soybean	100 lb N, 40 lb P, 8lb S, 0.25 lb Zn	Lexar preplant
Clay County	Irrigated	Crete silt loam	Conventional	Soybean	100 lb 11-52-0 (Fall 13); 180 lb NH3 (Spring 14); 5 gal 10-34-0 starter	3 qt Lexar; 22 oz Round-up Powermax PRE
York County	Irrigated	Hastings silt loam	No-till	Corn	200 lb NH3; 100 lb 11-52-0;	Corvus
North/Northeast						
Dixon County	Irrigated	Alcester silt loam	Conventional	Soybean	150 lb NH3	1.3 pt/a Dual II Magnum; 29 oz/a Durango DMA
Dixon County	Rainfed	Alcester silt loam	Conventional	Soybean	150 lb NH3	1.3 pt/a Dual II Magnum; 29 oz/a Durango DMA
Holt County	Irrigated	Jansen silt loam	No-till	Soybean	150 lb N; 22 lb P; 22 lb S	Roundup (burndown); Halex GT + Ultra Lite POST
West						
Goshen County, WY	Irrigated	Bankard loamy fine sand	Conventional	Sugarbeets	185 lb N; 40 lb P2O5; 20 lb S	-

TABLE C. AVERAGE PERFORMANCE SUMMARY

Location	Condidtion	Entries	Yield LSD	Yield (bu/a, 15.5%)	Harvest Moisture (%)	Bushel Weight (lb/bu)	Stand	EPV ($)
Southeast								
Butler County	Rainfed	36	24	217	14	58	21,630	1376
Otoe County	Rainfed	36	32	225	13	59	22,680	1430
Gage County	Rainfed	36	20	208	14	59	19,480	1315
York County	Irrigated	38	46	263	16	58	28,500	1644
Clay County	Irrigated	38	24	280	14	59	29,960	1770
North/Northeast								
Dixon County	Irrigated	22	20	193	14	57	30,780	1220
Dixon County	Rainfed	22	18	204	15	58	27,590	1278
Holt County	Irrigated	35	18	214	16	58	28,790	1330
West								
Goshen County, WY	Irrigated	6	27	131	17	---	27,110	811

TABLE D. CORN ENTRANT BRAND AND HYBRIDS OVERVIEW

Brand	Hybrids Entered
Curry Seeds	435-12 726-56AM, 728-92AM, 732-99AM-R, 733-13AM, 733-76AM, 830-39AMX, XC-1409YHR
Fontanelle Hybrids	06A794, 08A544, 09D623, 11A224, 11G113, 11G224, 6A327
LG Seeds	LG2620VT3PRIB, LG5528VT3PRIB, LG5591STXRIB, LG5618STXRIB
Masters Choice	MCT 527 VIPTERA, MCT 5375, MCT 5663, MCT 6153
Midland Genetics	425SS, 534PRW, 573PRW, 594PR DG, 624PRW, 653PRW, 714PRW, 735PRW
Mycogen Seeds	2C799, 2G685, 2V709, 2V717
NuTech/G2 Genetics	3F-515, 3F-814, 5D-109, 5D-411, 5F-008, 5F-113, 5F-513, 5F-709, 5F-805, 5F-811, 5H-502, 5H-806, 5H-905, 5N-1404, 5Z-002, 5Z-0801, 5Z-0906, 5Z-111, 5Z-1209, 5Z-510, 5Z-707, 5Z-713
Phillips Seeds	789 AG, PSF 082 VT2ProRIB, PSF 112 VT2ProRIB, PSF 121 VT2ProRIB, PSF 143 VT2ProRIB, PSF 144 EXP
Pioneer Hi-Bred	P1266, PO1151
Titan Pro	2M07-SS, 2M13-2P, 2M14-SS, 81A10, TP 39-05 SS, TP 39-09 SS, TP 39-11 SS, TP 40-09

TABLE E. CORN ENTRANT BRAND AND VARIETY DETAILS

Brand	Hybrid	Growing Degree Days	Days to Maturity	Technology/Trait
Curry Seeds	435-12	2810	115	Optimum AcreMaxExtreme / Poncho 500
Curry Seeds	726-56AM	2530	100	Optimum AcreMax / Poncho500-Votivo
Curry Seeds	728-92AM	2580	106	Optimum AcreMax / Poncho500-Votivo
Curry Seeds	732-99AM-R	-	110	Optimum AcreMax / Poncho500-Votivo
Curry Seeds	733-13AM	2780	113	Optimum AcreMax / Poncho500-Votivo
Curry Seeds	733-76AM	-	-	-
Curry Seeds	830-39AMX	2630	109	Optimum AcreMaxXtra / Poncho500-Votivo
Curry Seeds	XC-1409YHR	-	108	YHR / Poncho500-Votivo
Fontanelle Hybrids	06A794	-	-	-
Fontanelle Hybrids	08A544	-	-	-
Fontanelle Hybrids	09D623	-	-	-
Fontanelle Hybrids	11A224	-	-	-
Fontanelle Hybrids	11G113	-	-	-
Fontanelle Hybrids	11G224	-	-	-
Fontanelle Hybrids	6A327	-	-	-
LG Seeds	LG2620VT3PRIB	2700	113	VT3P/RIB/PON/VOT
LG Seeds	LG5528VT3PRIB	2550	106	VT3P/RIB/PON/VOT
LG Seeds	LG5591STXRIB	2590	110	STX/RIB/PON/VOT
LG Seeds	LG5618STXRIB	2720	112	STX/RIB/PON/VOT
Masters Choice	MCT 527 VIPTERA	2450	105	Viptera 3111/CruiserMaxxCorn 250
Masters Choice	MCT 5375	2410	103	Agrisure 3122 E-Z Refuge/CruiserMaxxCorn
Masters Choice	MCT 5663	2550	106	3000GT/CruiserMaxxCorn 250
Masters Choice	MCT 6153	2785	111	3000GT/CruiserMaxxCorn 250
Midland	425SS	2750	110	SmartStax
Midland	534PRW	2810	112	VT3PRO
Midland	573PRW	2800	112	VT3PRO
Midland	594PR DG	2840	113	VT2PRO DROUGHTGARD
Midland	624PRW	2950	114	VT3PRO
Midland	653PRW	2800	113	VT3PRO
Midland	714PRW	2850	115	VT3PRO
Midland	735PRW	2860	115	VT3PRO
Mycogen Seeds	2C799	2770	114	Refuge Advanced
Mycogen Seeds	2G685	2670	109	Agrisure 3000GT
Mycogen Seeds	2V709	2725	110	Refuge Advanced
Mycogen Seeds	2V717	2740	111	Refuge Advanced
NuTech/G2 Genetics	3F-515™	-	115	AM/RR2, Poncho 500/VOTiVO
NuTech/G2 Genetics	3F-814™	-	114	AM/RR2, Poncho 500/VOTiVO

TABLE E. CORN ENTRANT BRAND AND VARIETY DETAILS (CONT.)

Brand	Hybrid	Growing Degree Days	Days to Maturity	Technology/Trait
NuTech/G2 Genetics	5D-109™	-	109	AMX/LL/RR2, Poncho 500/VOTiVO
NuTech/G2 Genetics	5D-411™	-	111	AMX/LL/RR2, Poncho 500/VOTiVO
NuTech/G2 Genetics	5F-008™	-	108	AM/LL/RR2, Poncho 500/VOTiVO
NuTech/G2 Genetics	5F-113™	-	113	AM/LL/RR2, Poncho 500/VOTiVO
NuTech/G2 Genetics	5F-513™	-	115	AM/LL/RR2, Poncho 500/VOTiVO
NuTech/G2 Genetics	5F-709™	-	109	AM/LL/RR2, Poncho 500/VOTiVO
NuTech/G2 Genetics	5F-805™	-	105	AM/LL/RR2, Poncho 500/VOTiVO
NuTech/G2 Genetics	5F-811™	-	111	AM/LL/RR2, Poncho 500/VOTiVO
NuTech/G2 Genetics	5H-502™	-	102	HX1/LL/RR2, Poncho 500/VOTiVO
NuTech/G2 Genetics	5H-806™	-	106	HX1/LL/RR2, Poncho 500/VOTiVO
NuTech/G2 Genetics	5H-905™	-	105	HX1/LL/RR2, Poncho 500/VOTiVO
NuTech/G2 Genetics	5N-1404	-	114	Ag3000GT, Maxim Quattro
NuTech/G2 Genetics	5Z-002™	-	102	HX1/YG/LL/RR2, Poncho 1250/VOTiVO
NuTech/G2 Genetics	5Z-0801	-	108	HX1/YG/LL/RR2, Poncho 1250/VOTiVO
NuTech/G2 Genetics	5Z-0906	-	109	HX1/YG/LL/RR2, Poncho 1250/VOTiVO
NuTech/G2 Genetics	5Z-111™	-	111	HX1/YG/LL/RR2, Poncho 1250/VOTiVO
NuTech/G2 Genetics	5Z-1209™	-	112	HX1/YG/LL/RR2, Poncho 1250/VOTiVO
NuTech/G2 Genetics	5Z-510™	-	110	HX1/YG/LL/RR2, Poncho 1250/VOTiVO
NuTech/G2 Genetics	5Z-707™	-	107	HX1/YG/LL/RR2, Poncho 1250/VOTiVO
NuTech/G2 Genetics	5Z-713™	-	113	HX1/YG/LL/RR2, Poncho 1250/VOTiVO
Phillips Seeds	789 AG	2680	113	Agrisure 3000
Phillips Seeds	PSF 082 VT2ProRIB	2766	108	Genuity VT Double Pro
Phillips Seeds	PSF 112 VT2ProRIB	2737	111	Genuity VT Double Pro
Phillips Seeds	PSF 121 VT2ProRIB	2754	112	Genuity VT Double Pro
Phillips Seeds	PSF 143 VT2ProRIB	2800	114	Genuity VT Double Pro
Phillips Seeds	PSF 144 EXP	NA	114	Corn Borer and Root Worm
Pioneer Hi-Bred	P1266	-	-	-
Pioneer Hi-Bred	PO1151	-	-	-
Titan Pro	2M07-SS	-	107	Smartstax/Acceleron 500 + Votivo
Titan Pro	2M13-2P	-	113	VT2 Acceleron 250
Titan Pro	2M14-SS	-	114	Smartstax/Acceleron 500 + Votivo
Titan Pro	81A10	-	110	Bt/CRW Cruiser 250
Titan Pro	TP 39-05 SS	-	105	Smartstax/Acceleron 500 + Votivo
Titan Pro	TP 39-09 SS	-	109	Smartstax/Acceleron 500 + Votivo
Titan Pro	TP 39-11 SS	-	111	Smartstax/Acceleron 500 + Votivo
Titan Pro	TP 40-09	-	109	Cruiser 250

TABLE F. NEBRASKA CORN TEST ENTRANTS

Entrant	Address	Contact	Phone	Website
Curry Seeds	701 N. Walnut St; PO Box 517 Elk Point, SD 57025	Dan Oswald	402-396-3040	curryseed.com
LG Seeds	22827 Shissler Rd Elmwood, IL 61529	Lenard Luebker	402-562-3473	lgseeds.com
Masters Choice	3010 State Rt 146 East Anna, IL 62906	Kevin Koone	618-833-6552	seedcorn.com
Midland Genetics	1906 Kingman Road Ottawa, KS 66067	Clyde Sylvester	785-242-3598	midlandgenetics.com
Mycogen	9330 Zionsville Rd Indianapolis, IN 46268	Jason Welker	308-440-4237	mycogen.com
NuTech/G2 Genetics	2321 North Loop Dr, Suite 230 Ames, IA 50010	Brian Alt	515-233-1997	nutechseed.com
Phillips Seed Farms	980 Hwy 15 Hope, KS 67451	Matt Wilber	785-844-2171	phillipsseed.com
Pioneer Hi-Bred	P.O. Box 13 Inman, NE 68742	Lou Lechtenberg	402-961-0128	pioneer.com
Titan Pro	1301 S. 24th St Clear Lake, IA 50428	Marc Neuman	641-529-6101	titanprosci.com

WEST IRRIGATED CORN HYBRID TESTS
GOSHEN COUNTY (WY) - 2014

BRAND	HYBRID	Average Yield (bu/a)	Moisture (%)
NuTech/G2 Genetics	5Z-002™	157	15.3
NuTech/G2 Genetics	5H-905™	151	17.1
NuTech/G2 Genetics	5H-806™	137	17.2
NuTech/G2 Genetics	5H-502™	134	16.5
NuTech/G2 Genetics	5F-805™	116	16.1
NuTech/G2 Genetics	5Z-713™	90	16.5
Average		**131**	**16**
Difference requiered for significance (p≤05)		**16.4**	**1.6**

SOUTHEAST RAINFED CORN HYBRID TESTS
BUTLER, OTOE, AND GAGE COUNTIES - 2014

BRAND	HYBRID	Average Yield (bu/a)	Butler (bu/a)	Otoe (bu/a)	Gage (bu/a)	Harvest Moisture (%)	Bushel Weight (lb/bu)
Midland	594PR DG	242	241	259	226	14	57
Midland	653PRW	240	233	260	226	14	59
Midland	534PRW	237	233	246	232	13	59
Phillips Seed	PSF 112 VT2ProRIB	232	211	255	229	14	61
Curry	733-76AM	230	221	230	239	14	61
Midland	714PRW	229	234	243	209	14	59
Phillips Seed	PSF 082 VT2ProRIB	227	225	233	222	13	57
Curry	435-12	225	221	242	213	14	60
Phillips Seed	PSF 143 VT2ProRIB	222	216	237	212	14	58
NuTech/G2 Genetics	3F-814™	222	230	226	210	13	60
NuTech/G2 Genetics	5F-709™	222	209	225	231	13	57
Midland	735PRW	221	226	232	206	15	57
Phillips Seed	PSF 121 VT2ProRIB	220	243	230	187	13	59
Curry	830-39AMX	216	212	223	214	13	58
Curry	733-13AM	216	231	221	195	13	59
NuTech/G2 Genetics	5D-411™	216	224	204	219	14	62
NuTech/G2 Genetics	5F-811™	215	198	229	219	13	58
Titan Pro	TP 39-11 SS	215	202	218	224	13	59
NuTech/G2 Genetics	5F-008™	213	217	234	187	13	60
Midland	624PRW	213	216	216	207	14	59
Titan Pro	2M14-SS	213	218	229	191	14	59
NuTech/G2 Genetics	5F-113™	212	190	221	225	14	61
NuTech/G2 Genetics	5Z-111™	210	212	219	198	13	57
NuTech/G2 Genetics	5D-109™	209	212	226	189	14	61
Phillips Seed	PSF 144 EXP	207	224	199	197	14	57
Midland	425SS	207	190	208	222	13	58
Midland	573PRW	206	221	229	169	13	59
Phillips Seed	789 AG	204	222	209	182	14	57
NuTech/G2 Genetics	5N-1404	202	210	198	197	14	57
NuTech/G2 Genetics	5Z-0801	202	219	202	185	13	57
Titan Pro	2M13-2P	197	205	194	193	13	58
NuTech/G2 Genetics	5H-905™	196	194	199	196	13	56
NuTech/G2 Genetics	5Z-707™	183	183	181	186	13	56
Average		**216**	**216**	**224**	**207**	**14**	**58**
Difference required for signif. (p≤05)		**22**	**24**	**32**	**20**	**1**	**2**

SOUTHEAST IRRIGATED CORN HYBRID TESTS
YORK AND CLAY COUNTIES - 2014

BRAND	HYBRID	Average Yield (bu/a)	York (bu/a)	Clay (bu/a)	Harvest Moisture (%)	Bushel Weight (lb/bu)
NuTech/G2 Genetics	5Z-713™	314	307	320	15	58.8
Curry	435-12	311	324	298	16	59.8
NuTech/G2 Genetics	5Z-510™	308	308	307	14	59.7
Midland	714PRW	306	314	297	15	57.7
Midland	653PRW	293	288	297	15	58.6
NuTech/G2 Genetics	5N-1404	290	286	294	16	57.2
NuTech/G2 Genetics	5F-513™	284	278	289	15	58.8
Phillips Seed	PSF 144 EXP	283	282	283	16	56.2
NuTech/G2 Genetics	5Z-0906	280	281	278	14	58.4
Midland	534PRW	279	269	289	14	59.2
Curry	733-13AM	278	260	296	15	56.7
NuTech/G2 Genetics	3F-515™	278	291	265	16	57.8
NuTech/G2 Genetics	3F-814™	275	255	295	15	57.9
NuTech/G2 Genetics	5D-109™	275	277	273	15	60.5
Phillips Seed	PSF 143 VT2ProRIB	274	262	285	16	58.8
Midland	624PRW	272	268	276	15	58
NuTech/G2 Genetics	5D-411™	271	255	286	15	60.6
NuTech/G2 Genetics	5Z-1209™	271	267	275	14	58.2
Curry	830-39AMX	268	260	275	14	57.1
Titan Pro	2M14-SS	267	258	276	16	59.3
Phillips Seed	789 AG	266	249	283	16	56.5
Phillips Seed	PSF 082 VT2ProRIB	266	248	284	13	57.7
NuTech/G2 Genetics	5Z-0801	266	270	262	14	57.9
NuTech/G2 Genetics	5Z-111™	266	253	279	15	57.3
Phillips Seed	PSF 121 VT2ProRIB	264	245	282	14	59.4
Curry	733-76AM	260	223	296	15	59.8
NuTech/G2 Genetics	5F-709™	260	246	273	14	57.6
Titan Pro	81A10	257	255	258	14	57.3
NuTech/G2 Genetics	5F-811™	254	227	281	14	59.6
Phillips Seed	PSF 112 VT2ProRIB	253	251	255	15	58.9
Titan Pro	TP 39-11 SS	250	248	252	14	58.2
Masters Choice	MCT 6153	241	225	257	15	55.2
Titan Pro	2M13-2P	239	238	239	14	58.1
Midland	735PRW	227	167	286	14	55.9
Masters Choice	MCT 5663	216	195	236	13	57.3
Average		**270**	**261**	**279**	**15**	**58**
Difference requiered for significance (p≤05)		**39**	**46**	**24**	**1**	**2**

NORTHEAST RAINFED CORN HYBRID TESTS
DIXON COUNTY - 2014

BRAND	HYBRID	Average Yield (bu/a)	Harvest Moisture (%)	Bushel Weight (lb/bu)
Curry	XC-1409YHR	221	16	58
Curry	733-13AM	219	15	57
NuTech/G2 Genetics	5F-811™	214	15	59
Titan Pro	2M07-SS	212	14	58
Curry	728-92AM	211	14	58
NuTech/G2 Genetics	5Z-0801	211	15	57
LG Seeds	LG5618STXRib	210	16	58
NuTech/G2 Genetics	5D-109™	210	16	58
Curry	830-39AMX	209	15	62
LG Seeds	LG5591STXRib	208	15	58
NuTech/G2 Genetics	5D-411™	208	16	63
NuTech/G2 Genetics	5F-008™	206	13	58
Titan Pro	TP 39-09 SS	202	14	57
Curry	726-56AM	199	14	58
Curry	732-99AM-R	198	16	57
NuTech/G2 Genetics	5F-709™	194	16	57
NuTech/G2 Genetics	5Z-707™	189	14	57
NuTech/G2 Genetics	5H-905™	186	14	56
NuTech/G2 Genetics	5Z-111™	181	14	56
Average		**205**	**15**	**58**
Difference requiered for significance (p≤05)		**18.4**	**2**	**NS**

NORTHEAST IRRIGATED CORN HYBRID TESTS
DIXON COUNTY - 2014

BRAND	HYBRID	Average Yield (bu/a)	Harvest Moisture (%)	Bushel Weight (lb/bu)
Curry	XC-1409YHR	218	14	59
Curry	732-99AM-R	217	14	57
Curry	733-13AM	216	14	58
Titan Pro	TP 39-09 SS	207	14	58
Curry	728-92AM	203	14	60
Curry	830-39AMX	203	14	57
Titan Pro	TP 39-05 SS	196	14	58
Masters Choice	MCT 5375	190	14	57
Curry	726-56AM	189	14	59
Masters Choice	MCT 5663	189	14	56
NuTech/G2 Genetics	5F-805™	189	14	58
NuTech/G2 Genetics	5H-806™	184	14	57
LG Seeds	LG2620VT3PRib	183	14	57
NuTech/G2 Genetics	5H-502™	181	14	58
Titan Pro	2M07-SS	180	14	57
Masters Choice	MCT 527 VIPTERA 3111	178	13	55
NuTech/G2 Genetics	5Z-002™	175	13	56
NuTech/G2 Genetics	5H-905™	174	13	55
Average		**193**	**14**	**57**
Difference requiered for significance (p≤05)		**20**	**0.3**	**2**

NORTHEAST IRRIGATED CORN HYBRID TESTS
HOLT COUNTY - 2014

BRAND	HYBRID	Average Yield (bu/a)	Harvest Moisture (%)	Bushel Weight (lb/bu)
Curry	XC-1409YHR	232	17	59
Curry	728-92AM	231	16	59
Curry	733-13AM	231	17	58
Mycogen Seeds	2V709	231	17	58
Fontanelle	06A794	228	17	58
Pioneer	P1266AM	227	17	58
Fontanelle	09D623	226	16	60
Curry	732-99AM-R	225	17	57
NuTech/G2 Genetics	5H-806™	223	16	59
Fontanelle	11A224	222	17	58
Fontanelle	11G113	221	17	58
Fontanelle	11G224	221	17	67
Fontanelle	08A544	218	16	58
Mycogen Seeds	2C799	217	17	57
Mycogen Seeds	2V717	217	16	58
NuTech/G2 Genetics	5Z-0801	216	17	58
NuTech/G2 Genetics	5H-502™	215	16	59
Mycogen Seeds	2G685	215	16	56
Pioneer	P1151MAX	215	17	61
Curry	830-39AMX	211	17	58
NuTech/G2 Genetics	5F-008™	210	17	60
LG Seeds	LG5528VT3PRib	210	16	57
NuTech/G2 Genetics	5F-805™	209	16	59
NuTech/G2 Genetics	5Z-002™	207	16	57
NuTech/G2 Genetics	5F-709™	206	16	58
Masters Choice	MCT 5663	204	15	57
Fontanelle	6A327	200	17	59
NuTech/G2 Genetics	5H-905™	196	16	58
Masters Choice	MCT 527 VIPTERA 3111	195	16	57
LG Seeds	LG5591STXRib	193	16	58
Curry	726-56AM	191	16	35
Masters Choice	MCT 5375	187	16	58
Average		**214**	**16**	**58**
Difference requiered for significance (p≤05)		**18**	**1**	**10**

SOUTHEAST RAINFED CORN HYBRID TESTS
BUTLER, OTOE, AND GAGE COUNTIES 2013-2014

BRAND	HYBRID	2 Year Averages		
		Yield (bu/a)	Harvest Moisture (%)	Bushel Weight (lb/bu)
Midland	653PRW	229	15	58
Midland	534PRW	225	14	59
Midland	714PRW	225	15	58
Titan Pro	2M14-SS	215	15	59
NuTech/G2 Genetics	5F-811™	214	14	59
NuTech/G2 Genetics	5F-008™	209	14	59
Midland	573PRW	208	15	59
Midland	624PRW	208	15	59
Titan Pro	TP 39-11 SS	207	14	58
NuTech/G2 Genetics	5H-905™	194	13	57
Titan Pro	2M13-2P	193	14	58
Average		**212**	**14**	**58**
Difference requiered for significance (p≤05)		**13**	**0.6**	**NS**

SOUTHEAST IRRIGATED CORN HYBRID TESTS
YORK, HAMILTON, AND CLAY COUNTIES 2013-2014

BRAND	HYBRID	2 Year Averages		
		Yield (bu/a)	Harvest Moisture (%)	Bushel Weight (lb/bu)
Midland	714PRW	313	16.2	57.6
Midland	653PRW	297	16.3	58.5
Midland	534PRW	294	15.1	59.2
NuTech/G2 Genetics	5F-811™	290	15.2	58.9
Titan Pro	2M14-SS	282	16.5	58.7
Titan Pro	81A10	278	15.4	57.9
Midland	624PRW	270	15.9	57.9
Titan Pro	TP 39-11 SS	267	15.6	57.7
Titan Pro	2M13-2P	260	15.4	57.8
Masters Choice	MCT 5663	239	14.8	57.3
Average		**279**	**16**	**58**
Difference requiered for significance (p≤05)		**31**	**1.0**	**1.1**

TWO YEAR AVERAGES OF REPEATED ENTRIES (2013-2014)
DIXON, HOLT AND GOSHEN COUNTIES

BRAND	HYBRID	Yield (bu/a)	Harvest Moisture (%)	Bushel Weight (lb/bu)
			Dixon Rainfed	
Titan Pro	2M07-SS	193	18	56
NuTech/G2 Genetics	5F-008™	192	17	56
NuTech/G2 Genetics	5F-811™	192	19	57
NuTech/G2 Genetics	5H-905™	180	19	55
Titan Pro	TP 39-09 SS	180	18	55
Average		187	18	56
			Dixon Irrigated	
Titan Pro	2M07-SS	204	20	59
Titan Pro	TP 39-09 SS	199	19	57
NuTech/G2 Genetics	5H-502™	190	19	59
NuTech/G2 Genetics	5H-905™	187	19	58
Average		**195**	**19**	**58**
			Holt Irrigated	
NuTech/G2 Genetics	5H-905™	216	14	60
NuTech/G2 Genetics	5H-502™	212	15	62
Average		**214**	**14**	**61**
			Goshen Irrigated	
NuTech/G2 Genetics	5H-905™	152	18	49
NuTech/G2 Genetics	5H-502™	143	17	56
Average		**148**	**17**	**53**

NEBRASKA SOYBEAN VARIETY TESTS

- 2014 -

CROP PRODUCTION SUMMARY

According to the *National Agricultural Statistics Service*, there were 5.4 million acres of soybeans planted in Nebraska in 2014. 5.35 million acres were harvested producing around 288 million bushels. The average soybean yield for all production practices in Nebraska for 2014 was 54 bushels per acre(bu/a). Soybean yields from the previous 10 years are reported below.

Average Nebraska Soybean Yield (Last 10 Years)

Year	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014
Yield (bu/a)	46	50.5	50	51	46.5	54.5	53	53	41	52	54

Source: *National Agricultural Statistics Service* (http://www.nass.usda.gov)

Detailed information regarding crop progress and history can be obtained from the *National Agricultural Statistics Service* available online at http://www.nass.usda.gov.

PROCEDURE

Seven soybean yield trials were planted at five locations in spring of 2014. All entries were privately developed varieties entered by an industry representative. Farm entries were selected by the cooperating farmer. Soil type of testing sites and cultural practices applied are shown in Table B. At three locations entries were divided into early and late maturing varieties for convenience in handling. Average performances of entries for key agronomic and quality characteristics are shown in Table C. A list of entries by brand name is shown in Table D, while details about each hybrid are shown on Table E. Names and addresses of entrants and corresponding contact addresses are listed in Table F.

Entries were planted in four-row plots 15 to 35 feet long. Plots were replicated four times in a randomized complete block design. A planting rate of 8.5 seeds per foot in 30-inch rows (148,100 seeds per acre) was used.

Two center rows 10 to 30 feet long were threshed for yield. Reported yields are corrected to 13% moisture. Plots were rated mature when 95% of the pods had reached their mature pod color when maturity is taken. Most often, five to ten days of drying weather are required after “maturity” before the soybeans have less than 15% moisture.

Protein and oil content is reported on a 13% moisture basis and will appear lower than many reported figures. Conversions can be made to 0% by multiplying the protein or oil by 1.13. Estimated Processed Value (EPV) is calculated from the protein and oil content from the Chicago Board of Trade prices for soybean oil ($0.519/lb) and 48% protein soybean meal ($0.16/lb). EPV is calculated on an acre basis by multiplying the yield (bu/acre) by the EPV/bu.

PERFORMANCE

Performance of entries cannot be measured with absolute accuracy in one season because of variations in moisture, soil fertility and other factors. Also, most fields contain some spatial variability. Because of the many sources of variability, small yield differences have little significance. Differences required for significance are shown in each table at the 5% level. This means that differences this great would be expected through chance alone in 1 of 20 trials. A simple way of thinking of these differences is that if all the plots had been the same variety that would be the difference that would have been measured. Many soybean varieties have similar yield potentials. Early maturing varieties are favored in some seasons and later maturing varieties in others. Zone averages and period-of-years averages provide a measure of performance over a range of environmental conditions.

PERFORMANCE (CONTINUED)

Period-of-years data for varieties include two, and three-year averages. It should be noted that with the rapid development and turnover of varieties, very few varieties have more than one year averages. We encourage you to use data from many sources in comparing soybean varieties. The Nebraska Cooperative Extension has developed two NebGuides to assist you in choosing new soybean varieties. The titles are *Using Variety Test Data to Choose Soybean Varieties Part 1 and Part 2*. These are available at your local Extension office.

RESULTS AND MANAGEMENT AT INDIVIDUAL LOCATIONS

East/South Central District:

Four tests were planted at two locations in Clay, Lancaster, and Saunders Counties:

- The Clay County irrigated early and late tests were planted on May 21st. This site was abandoned due to excessive lodging and was not harvested.
- The Saunders County irrigated tests were planted on May 5th into a conventionally tilled field. This test was harvested October 21st with the 8 early maturing entries averaging 74 bu/a and the 20 late maturing entries averaging 71 bu/a.

Southeast District:

There were two tests (early set and late set) at one location in Saline County:

- The Saline County rainfed test was planted May 7th and harvested October 20th. This site utilized a no-till system and was planted into corn residue. The early maturing test had 10 entries and averaged 61 bushels per acre. The late maturing test had 21 entries and averaged 53 bushels per acre.

Northeast District:

Two tests were planted Dixon County.

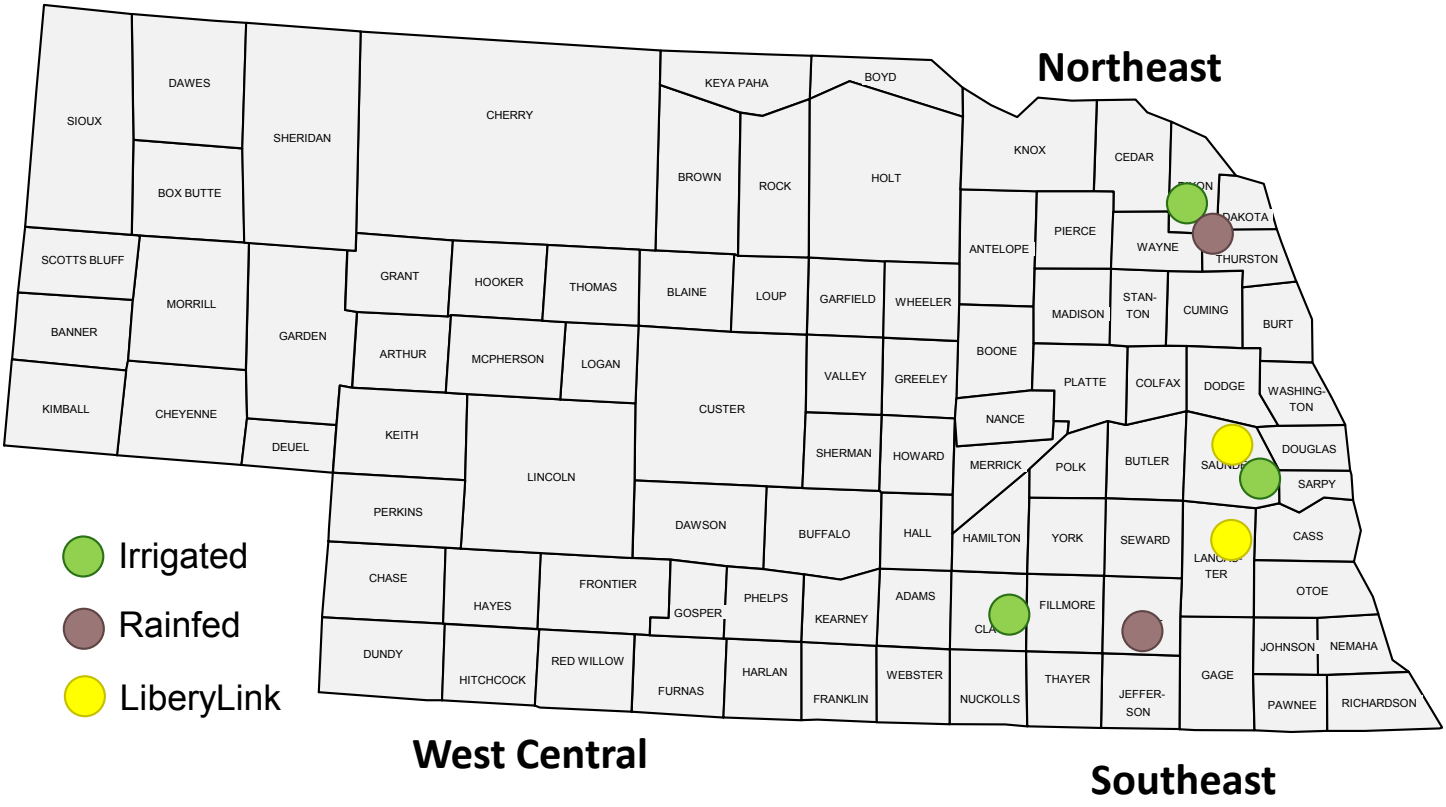
- The Dixon County rainfed early and late tests were planted May 21st and harvested on October 16th with an average yield of 50 bu/a for 4 early entries and 50 bu/a for 8 late entries.

LibertyLink:

There were two LibertyLink trials planted in Saunders and Lancaster Counties.

- The Saunders County irrigated test was planted on May 5th into a conventionally tilled field. This test was harvested October 21st with 15 entries averaging 71 bu/a.
- The Lancaster County rainfed test was planted on May 15th into a conventionally tilled field. This test was harvested October 30th with 15 entries averaging 51 bu/a.

2015 SOYBEAN TRIAL SITE LOCATIONS



2015 SOYBEAN TRIAL SITE PRECIPITATION

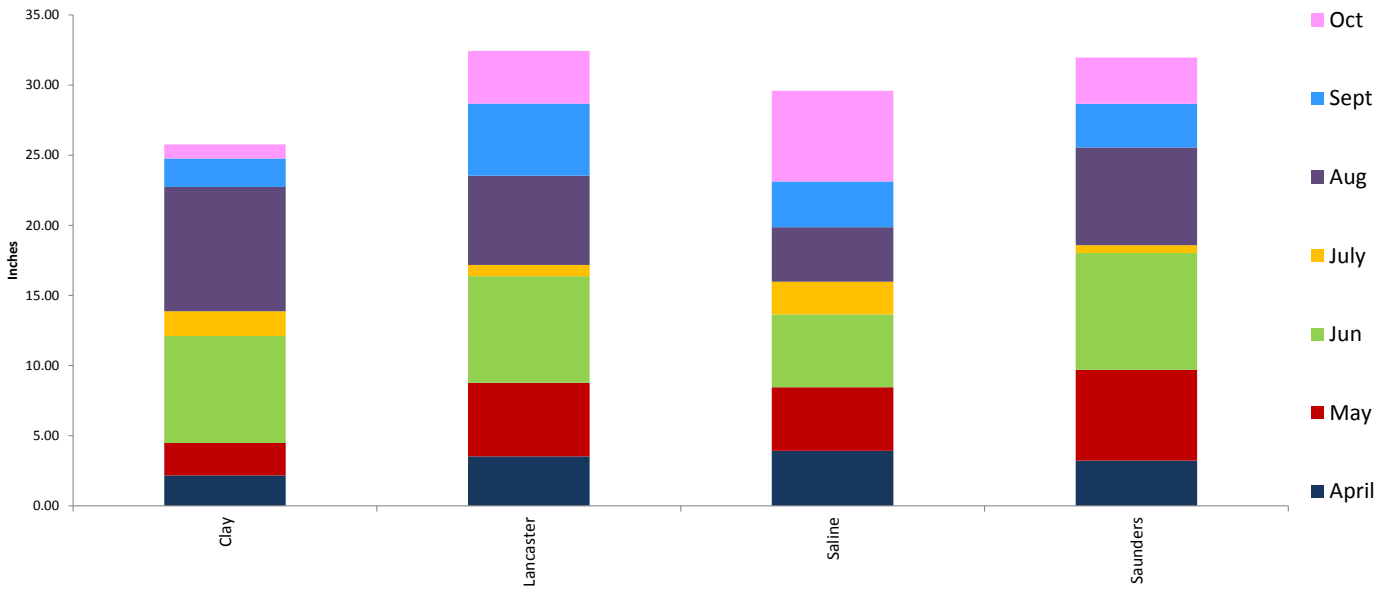


TABLE A. LOCATIONS, COOPERATORS, PLANTING AND HARVEST DATES OF NEBRASKA SOYBEAN TEST PLOTS

Location	Cooperator	Water	Maturity	Date		Latitude	Longitude
				Planted	Harvested		
East / South Central							
Clay County	UNL South Central Res & Ext Center; Harvard, NE	Irrigated	Early and Late	5/7/2014	N/A*	40.57592	-98.13311
Saunders County	UNL Agricultural Res & Dev Center; Ithica, NE	Irrigated	Early and Late	5/5/2014	10/21/2014	41.16448	-96.41059
Southeast District							
Saline County	Dennis Broz; Wilber, NE	Rainfed	Early and Late	5/7/2014	10/20/2014	40.46553	-97.10291
Northeast District							
Dixon County	Haskell Ag Lab; Concord, NE	Rainfed	Early and Late	5/21/2014	10/16/2014	42.22646	-96.57539
Dixon County	Haskell Ag Lab; Concord, NE	Irrigated	Early and Late	5/21/2014	10/16/2014	42.29931	-96.57283
LibertyLink							
Saunders County	UNL Agricultural Res & Dev Center; Ithica, NE	Irrigated	-	5/5/2014	10/21/2014	41.16448	-96.41057
Lancaster County	UNL Agricultural Res & Dev Center; Ithica, NE	Rainfed	-	5/15/2014	10/30/2014	40.85458	-96.60740

TABLE B. SOIL TYPE AND CULTURAL PRACTICES AT SOYBEAN TRIAL SITES

Location	Condition	Soil Type	Tillage	Previous Crop	Fertilizer	Herbicide
East / South Central						
Saunders County	Irrigated	Tomek silt loam	Disk	Corn	None	--
Southeast District						
Saline County	Rainfed	Crete silt loam	No-till	Corn	None	PRE: 4.5oz Authority, 22oz Power-Max + 12oz 2,4-D; POST: 32oz PowerMax + 6oz Select
Northeast District						
Dixon County	Rainfed	Colo silty clay loam	Disk	Corn	None	Dual II Magnum (1.3 pt/a) fb Durango DMA (29 oz/a) + Tapout (12 oz/a)
Dixon County	Irrigated	Colo silty clay loam	Disk	Corn	None	Dual II Magnum (1.3 pt/a) fb Durango DMA (29 oz/a) + Tapout (12 oz/a)
LibertyLink						
Lancaster County	Rainfed	Butler silt loam	Disk	Corn	None	Optill Pro + 2,4-D; 36 oz/ac Liberty
Saunders County	Irrigated	Tomek silt loam	Disk	Corn	None	--

TABLE C. AVERAGE PERFORMANCE OF SOYBEAN ENTRIES AT EACH TEST LOCATION

Test	Entries	Yield (bu/a)	Bushel Weight (lb/bu)	Plant height (inch)	Seed size (grain/lb)	Grain Protein (%)	Grain Oil (%)	EPV ($)
East/South Central								
Saunders Early Irrigated	8	74	54	34	3295	32.3	20.4	10.7
Saunders Late Irrigated	20	71	57	38	3284	33.1	19.3	10.6
Southeast District								
Saline Early Rainfed	10	61	54	35	2901	34.8	18.9	10.9
Saline Late Rainfed	21	53	54	34	3117	34.5	18.7	10.8
Northeast District								
Dixon Early Rainfed	4	50	---	39	3574	35.8	17.8	10.9
Dixon Late Rainfed	8	50	---	38	3662	34.8	18.5	10.8
Dixon Early Irrigated	4	39	---	32	3625	35.7	17.8	10.9
Dixon Late Irrigated	8	36	---	33	3588	35.5	18.3	10.9
LibertyLink								
Saunders Irrigated	15	71	54	34	3101	32.6	20.3	10.7
Lancaster Rainfed	15	51	56	28	2523	35	19.5	11.1

TABLE C. AVERAGE PERFORMANCE OF SOYBEAN ENTRIES AT EACH TEST LOCATION

Test	Entries	Yield (bu/a)	Bushel Weight (lb/bu)	Plant height (inch)	Seed size (grain/lb)	Grain Protein (%)	Grain Oil (%)	EPV ($)
East/South Central								
Saunders Early Irrigated	8	74	54	34	3295	32.3	20.4	10.7
Saunders Late Irrigated	20	71	57	38	3284	33.1	19.3	10.6
Southeast District								
Saline Early Rainfed	10	61	54	35	2901	34.8	18.9	10.9
Saline Late Rainfed	21	53	54	34	3117	34.5	18.7	10.8
Northeast District								
Dixon Early Rainfed	4	50	---	39	3574	35.8	17.8	10.9
Dixon Late Rainfed	8	50	---	38	3662	34.8	18.5	10.8
Dixon Early Irrigated	4	39	---	32	3625	35.7	17.8	10.9
Dixon Late Irrigated	8	36	---	33	3588	35.5	18.3	10.9
LibertyLink								
Saunders Irrigated	15	71	54	34	3101	32.6	20.3	10.7
Lancaster Rainfed	15	51	56	28	2523	35	19.5	11.1

TABLE D. SOYBEAN ENTRANT BRAND AND HYBRIDS OVERVIEW

Brand	Hybrids Entered
Bayer	BX 3945 LL, BX 2810 LL, BX 3233 LL, BX 3539 LL, BX 3841 LL, BX 4105 LL
Curry Seed	1225, XC-1425, 1289, 1311, 1333, 1357
Midland	2895NR2, 3275NR2, 3465NR2, 3685NR2, 3775NR2, 3855NR2, 3925NR2, 3983NR2, 3884NR2, 3633NR2
NuTech	3223L, 3243L, 3248L, 3273L, 3323L
Phillips Seed	322 NR2Y, 345 NR2Y, 363 NR2YE, 383 NR2YE, 384 NR2YS, 392 NR2YS
Renk Seed	RS213NR2, RS263NR2, RS265NR2, RS295NR2, RS314NR2, RS335NR2
Stine	24LD00, 31LE32, 34LE32, 34LF23
Titan Pro SCI	TP-27R54, TP-29R03, TP-31R13, 33M22, TP-34R34, TP-37R74
Willcross	WX2344N, WX2345N, WX2364N, WX2374N, RY2394N, RY2363N, RY2373N, RY2398N

TABLE E. ENTRY BRAND, HYBRID, AND TECHNOLOGY DETAILS

Brand	Variety	Color				Maturity Group
		Flower	Pubesc	Pod	Hilum	
Curry	1225	P	LT	BR	BR	2.2
Curry	1252	P	G	BR	BR	2.5
Curry	1289	P	G	T	IB	2.8
Curry	1311	P	LT	BR	BR	3.1
Curry	1333	W	LT	T	BL	3.3
Curry	1357	P	LT	BR	BR	3.5
Midland	2895NR2	-	-	-	-	2.8
Midland	3275NR2	-	-	-	-	3.2
Midland	3465NR2	-	-	-	-	3.4
Midland	3633NR2	-	-	-	-	3.6
Midland	3685NR2	-	-	-	-	3.6
Midland	3775NR2	-	-	-	-	3.7
Midland	3855NR2	-	-	-	-	3.8
Midland	3884NR2	-	-	-	-	3.8
Midland	3925NR2	-	-	-	-	3.9
Midland	3983NR2	-	-	-	-	3.9
Phillips Seeds	322 NR2Y	P	G	BR	IB	3.2
Phillips Seeds	345 NR2Y	P	T	BR	BL	3.4
Phillips Seeds	363 NR2YE	P	G	BR	IB	3.6
Phillips Seeds	383 NR2YE	P	G	BR	IB	3.8
Phillips Seeds	384 NR2YS	P	LT	BR	BL	3.8
Phillips Seeds	392 NR2YS	W	G	BR	BU	3.9
Renk Seeds	RS213NR2	P	LT	BR	BL	2.1
Renk Seeds	RS263NR2	P	G	BR	IB	2.6
Renk Seeds	RS265NR2	P	G	T	IB	2.6
Renk Seeds	RS295NR2	P	G	BR	IB	2.9
Renk Seeds	RS314NR2	P	G	BR	IB	3.1
Renk Seeds	RS335NR2	P	G	BR	IB	3.3
Titan Pro	33M22	P	T	BR	BL	3.3
Titan Pro	TP-27R54	P	LT	BR	BL	2.7
Titan Pro	TP-29R03	P	G	BR	IB	2.9
Titan Pro	TP-31R13	P	G	BR	IB	3.1
Titan Pro	TP-34R34	P	G	BR	IB	3.4
Titan Pro	TP-37R74	P	G	BR	IB	3.7
Willcross	RY2363N	-	LT	-	BL	3.6
Willcross	RY2373N	-	T	-	BL	3.7
Willcross	RY2394N	-	-	-	BL	3.9
Willcross	RY2398N	-	T	-	BL	3.9
Willcross	WX2344N	-	-	-	BL	3.4
Willcross	WX2345N	-	-	-	BL	3.5
Willcross	WX2364N	-	-	-	BL	3.6
Willcross	WX2374N	-	-	-	BL	3.7

TABLE E. ENTRY BRAND, HYBRID, AND TECHNOLOGY DETAILS (CONTINUED)

Brand	Variety	Color				Maturity Group
		Flower	Pubesc	Pod	Hilum	
LibertyLink Varieties						
Bayer CropSci	BX 3945 LL	-	-	-	-	3.9
Bayer CropSci	BX 2810 LL	P	G	T	IB	2.8
Bayer CropSci	BX 3233 LL	P	G	T	IB	3.2
Bayer CropSci	BX 3539 LL	W	T	BR	BL	3.5
Bayer CropSci	BX 3841 LL	W	LT	T	BL	3.8
Bayer CropSci	BX4105LL	-	-	-	-	4.1
NuTech	3223L	-	-	-	-	3.2
NuTech	3243L	-	-	-	-	3.2
NuTech	3248L	-	-	-	-	3.2
NuTech	3273L	-	-	-	-	3.2
NuTech	3323L	-	-	-	-	3.3
Stine	24LD00	-	-	-	-	2.4
Stine	31LE32	-	-	-	-	3.1
Stine	34LE32	-	-	-	-	3.4
Stine	34LF23	-	-	-	-	3.4

TABLE F. NEBRASKA SOYBEAN PERFORMANCE TESTS ENTRANTS

Brand	Address	Contact	Phone	Website
Bayer CropScience	--	Monty Malone	870-351-0390	bayercropscience.us
Curry Seed	220 S. HWY 15 Pilger, NE 68768	Dan Oswald	402-396-3040	curryseed.com
Midland Genetics	1906 Kingman Rd Ottawa, KS 66067	Clyde Sylvester	785-242-3598	midlandgenetics.com
NuTech	2321 North Loop Dr, Suite 230 Ames, IA 50010	Brian Alt	515-233-1997	nutechseed.com
Phillips Seed	980 Hwy 15 Hope KS 67451	Matt Wilber	785-844-2171	phillipsseed.com
Renk Seed	6809 Wilburn Rd Sun Prairie, WI 53590	Alex Renk	608-513-0293	renkseed.com
Stine Seed	22255 Laredo Trail Adel, IA 50003	Chad Kuehl	308-737-8105	stineseed.com
Titan Pro SCI	1301 South 24th St Clear Lake, IA 50428	Marc Neuman	641-529-6101	titanprosci.com
Willcross Seed	P.O.Box 667 4564 US Hwy 169 King City, MO 64463	Brad Law	660-483-0355	willcrossseed.com

EAST CENTRAL SOYBEAN VARIETY TEST (LIBERTYLINK)
2014 - SAUNDERS AND LANCASTER COUNTIES

Brand	Variety	Yield (bu/a)			Bushel Weight (lb/bu)	Plant height (inch)	Seed size (grain/lb)	Grain Protein (%)	Grain Oil (%)
		Average	Saunders Irrigated	Lancaster Rainfed					
Bayer	BX 3539 LL	68	78	58	54	29	3020	34.9	19.5
Stine	31LE32	66	72	60	54	31	2820	32.3	20.2
Bayer	BX 3233 LL	65	75	54	56	31	2950	32.3	20.2
Bayer	BX 3945 LL	63	69	58	56	32	2720	34.0	19.8
NuTech	3323L	63	78	49	54	31	2690	33.0	20.1
Bayer	BX4105LL	63	69	57	57	31	2650	35.1	19.1
Bayer	BX 3841 LL	62	71	53	59	33	2500	34.2	19.5
Stine	24LD00	62	76	48	53	30	2920	34.0	19.6
Stine	34LE32	61	69	53	60	31	2770	33.2	20.3
Stine	34LF23	61	68	53	53	29	2670	34.3	20.1
NuTech	3248L	59	72	47	52	32	3010	33.6	20.6
Bayer	BX 2810 LL	58	70	46	54	31	2840	33.8	20.1
NuTech	3243L	58	69	46	53	31	2850	34.5	19.3
NuTech	3273L	58	71	44	56	32	2880	33.9	19.9
NuTech	3223L	52	65	40	55	31	2930	33.8	20.3
Average		**61**	**71**	**51**	**55**	**31**	**2815**	**33.8**	**19.9**
Difference required for significance 5%		**9**	**7**	**4**	**7**	**2.2**	**190**	**1.0**	**0.5**

EAST CENTRAL IRRIGATED SOYBEAN VARIETY TEST
2014 - SAUNDERS COUNTY

Brand	Variety	Yield (bu/a)	Bushel Weight (lb/bu)	Plant height (inch)	Seed size (grain/lb)	Grain Protein (%)	Grain Oil (%)
Early maturing							
Midland	2895NR2	79	58	39	3320	32.2	20.0
Curry	1289	79	53	33	3100	31.4	22.2
Titan Pro	TP-29R03	78	54	39	3200	32.2	19.9
Titan Pro	TP-27R54	77	54	32	3310	32.7	19.5
Renk Seeds	RS295NR2	73	53	33	3410	32.2	19.7
Curry	XC-1425	67	53	30	3080	33.8	20.7
Curry	1311	66	54	35	3690	32.0	20.9
Average		**74**	**54**	**34**	**3301**	**32.4**	**20.4**
Difference required for significance 5%		**6**	**NS**	**3**	**267**	**0.9**	**0.4**
Late maturing							
Titan Pro	TP-31R13	78	57	36	3190	33.1	18.9
Renk Seeds	RS314NR2	76	58	36	3310	33.2	19.0
Phillips Seeds	383NR2YE	75	61	43	3710	35.2	17.9
Midland	3925NR2	74	59	38	3270	33.6	19.0
Titan Pro	TP-34R34	74	55	38	3260	34.0	18.8
Renk Seeds	RS335NR2	73	57	35	3200	33.3	19.1
Phillips Seeds	363NR2YE	73	59	39	2860	33.2	19.2
Titan Pro	33M22	73	60	39	3180	32.9	19.0
Midland	3685NR2	73	56	38	3020	32.9	19.6
Phillips Seeds	322NR2Y	73	54	38	3070	32.5	20.0
Midland	3275NR2	73	56	34	3470	31.5	20.1
Phillips Seeds	345NR2Y	71	54	39	3300	32.1	19.6
Midland	3855NR2	70	55	44	3890	35.3	17.7
Phillips Seeds	392NR2YS	69	56	42	3660	33.2	18.8
Midland	3465NR2	68	55	40	2990	32.2	20.1
Midland	3884NR2	67	55	37	3530	33.4	19.2
Curry	1333	64	55	35	3000	31.4	21.5
Midland	3775NR2	63	55	37	3260	33.7	19.1
Curry	1311	62	59	33	3530	32.1	20.9
Average		**71**	**56**	**38**	**3300**	**33.1**	**19.3**
Difference required for significance 5%		**8**	**NS**	**3**	**180**	**0.8**	**0.4**

NORTHEAST SOYBEAN VARIETY TEST
2014 - DIXON COUNTY

Brand	Variety	Yield (bu/a)			Plant height (inch)	Seed size (grain/ lb)	Grain Protein (%)	Grain Oil (%)
		Average	Rainfed	Irrigated[1]				
Early maturing								
Renk Seeds	RS213NR2	48	53	43	35	3430	35.5	18.2
Curry	1225	46	51	42	34	3780	35.6	17.9
Average		**47**	**52**	**42**	**35**	**3605**	**35.5**	**18.0**
Late maturing								
Renk Seeds	RS265NR2	47	55	39	34	3700	35.3	17.8
Curry	XC-1425	46	52	41	33	3560	34.4	18.7
Renk Seeds	RS263NR2	46	53	38	35	3730	35.2	18.6
Titan Pro	TP-27R54	42	48	36	37	3640	35.5	17.5
Curry	1289	41	47	35	34	3500	34.5	19.0
Titan Pro	TP-29R03	37	43	31	41	3620	35.7	17.8
Average		**43**	**50**	**36**	**36**	**3625**	**35.1**	**18.2**
Difference required for significance 5%		**3**	**3**	**4**	**1**	**413**	**0.4**	**0.2**

[1]The irrigated plots were hit by hail. 20-30% damage was estimated.

SOUTHEAST RAINFED SOYBEAN VARIETY TEST
2014 - SALINE COUNTY

Brand	Variety	Yield (bu/a)	Bushel Weight (lb/bu)	Plant height (inch)	Seed size (grain/lb)	Grain Protein (%)	Grain Oil (%)
Early maturing							
Phillips Seeds	322NR2Y	66	53	34	2830	34.8	19.2
Willcross	WX2344N	64	54	33	2910	35.9	17.9
Titan Pro	TP-31R13	64	54	36	2900	35.0	19.0
Midland	3275NR2	62	54	34	2980	34.1	19.4
Midland	3465NR2	60	53	37	2900	34.2	19.3
Curry	1333	60	53	35	2980	33.8	20.4
Midland	2895NR2	58	53	35	2980	35.0	19.0
Titan Pro	33M22	57	54	37	2840	34.6	18.8
Phillips Seeds	345NR2Y	57	53	35	2910	34.9	18.5
Average		**61**	**53**	**35**	**2914**	**34.7**	**19.0**
Difference required for significance 5%		**5**	**1**	**2**	**103**	**0.7**	**0.4**
Late maturing							
Curry	1357	59	54	31	2990	34.2	19.2
Willcross	WX2364N	59	53	34	3400	32.9	19.5
Phillips Seeds	345NR2Y	57	54	34	3000	34.6	18.9
Willcross	WX2374N	56	55	35	3090	36.4	17.8
Titan Pro	TP-37R74	56	55	36	2960	36.5	17.7
Midland	3884NR2	56	54	32	3350	33.5	19.0
Willcross	WX2345N	54	54	33	2900	34.5	18.8
Midland	3633NR2	54	54	36	2940	34.2	18.6
Midland	3685NR2	54	54	36	2770	33.4	19.6
Midland	3775NR2	54	54	35	2980	34.6	18.4
Willcross	RY2363N	53	54	34	2910	33.4	19.5
Willcross	RY2394N	52	54	34	2980	35.1	18.2
Midland	3925NR2	51	54	34	3060	34.9	18.5
Phillips Seeds	392NR2YS	51	55	35	3510	34.6	18.5
Phillips Seeds	363NR2YE	50	54	33	2690	34.1	19.2
Willcross	RY2373N	50	54	34	3220	33.1	19.2
Midland	3983NR2	50	55	38	3190	34.2	18.7
Midland	3855NR2	49	55	36	3460	35.8	17.8
Phillips Seeds	384NR2YS	49	55	35	3370	36.2	17.8
Willcross	RY2398N	46	54	33	3190	35.0	18.5
Average		**53**	**54**	**34**	**3098**	**34.5**	**18.7**
Difference required for significance 5%		**8**	**1**	**2**	**212**	**0.7**	**0.1**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