

# North Dakota Soybean Variety Trial Results for 2015 and Selection Guide

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## **Soybean Variety Selection**

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### **Selection**

Soybean variety selection should be based on maturity, yield, seed quality, lodging, iron-deficiency chlorosis tolerance and disease reaction. In most years, later-maturing varieties tend to yield more than early maturing varieties when evaluated at the same location. After determining a suitable maturity for the farm, comparing yields of varieties that are of similar maturity is important. Although late maturity increases yield potential, later-maturing varieties are more risky to grow than earlier-maturing varieties because an early fall frost may kill a late-maturing variety before the beans have completely filled in the pods, which will reduce yield and percent of oil greatly.

### **Soybean Maturity**

Soybeans respond to day length and heat units, so the actual calendar date a variety will mature is highly influenced by latitude; each variety has a narrow range of north to south adaptation. Soybean yield and quality are affected if a season-ending freeze occurs before a variety reaches physiological maturity. Dates of maturity are listed in the performance tables and indicate when varieties were physiologically mature.

Physiological maturity has been reached when 95 percent of the pods have reached the mature color. Varieties may have different mature pod color. Usually, harvest can commence approximately seven to 14 days after the soybean crop is physiologically mature. Relative maturity ratings also are provided for many of the varieties entered in the trials at various locations. Relative maturity ratings for private varieties were provided by the companies entering the variety in the trial.

Varieties of maturity groups 00 (double zero), 0 (zero) and 1 are suitable for eastern North Dakota and northwestern Minnesota. Maturity group 00 is very early and primarily is grown in the northern Red River Valley and the north-central area of North Dakota. Maturity group 0 is adapted to Traill, Cass and Richland counties and other counties with similar latitudes. Maturity group 1 primarily is suitable for southern areas. These maturity groups are further subdivided. For example, a 0.1 maturity group is an early group 0 variety and a 0.9 is a late-maturity group 0 variety.

The best way to select a high-yielding variety is to use data averaged across several locations and years. Because weather conditions are unknown in advance, averaging across several years' data will identify how a variety might perform across different weather conditions. Selecting a variety that has performed well in dry and normal rainfall conditions is the best way to pinpoint a variety that does relatively well, regardless of weather fluctuations.

### **Phytophthora**

Phytophthora root rot is one of the most important disease problems of soybeans in North Dakota. Phytophthora root rot tends to be more of a problem in the Red River Valley and on poorly drained, heavy soils, but the disease can cause significant stand reduction and yield loss in other areas when conditions are favorable for disease development. Management tools available to reduce Phytophthora root rot include selection of a resistant variety, use of a fungicide seed treatment, tile drainage and crop rotation.

Most varieties have Phytophthora root rot-resistance genes, and each gene confers resistance to a different race (or races) of *Phytophthora*. For example, a gene that may confer resistance to Race 3 may not confer resistance to Race 4, and vice versa.

*Phytophthora* is a variable pathogen, and many races of the pathogen exist in North Dakota. No gene guarantees control of the pathogen. Consequently, monitoring your fields for Phytophthora root rot every year is important. If the disease is widespread, the pathogen likely has overcome the gene being used, and the gene should not be used in future plantings.

Similarly, continually rotating effective genes is very important. Lack of gene or crop rotation can speed the development of new races. In some North Dakota fields, the pathogen already has become resistant to multiple genes. Fungicide seed treatments with activity against Phytophthora may help prevent early infection. However, seed treatments do not provide season-long control and should be used in combination with resistance. Crop rotation may help reduce inoculum of *Phytophthora* but will not eradicate it from soil.

### **White Mold**

Varieties have genetic differences for tolerance or resistance to white mold. Varieties that are less susceptible to white mold should be grown on fields where white mold has a history of causing problems. The same pathogen causing white mold in soybeans causes white mold in other crops (dry bean, sunflower, pea, canola, etc.). Consequently, recent white mold problems in **any crop** in that field should be noted, and crop rotation with nonhosts, such as wheat, barley or corn, are preferred for white mold management.

Fungicides are labeled for management/suppression of white mold, but applications must be made on a preventative basis, efficacy may be inconsistent (particularly in high disease-pressure environments), and economics in low disease-risk environments are often not favorable.

### **Iron-deficiency Chlorosis**

Iron-deficiency chlorosis (IDC) is a major problem in the eastern part of North Dakota. Iron chlorosis symptoms might be present during the two- to seven-trifoliolate-leaf stages. Plants tend to recover and start to turn green again during the late vegetative, flowering and pod-filling stages. However, IDC during the early vegetative stages can reduce yield potential severely. Some varieties are more tolerant to IDC than others. For high pH soils with known IDC problems, select an iron chlorosis-tolerant variety of suitable maturity that is high yielding. For varieties tested in 2015, IDC scores are provided in Tables 3 and 4.

## Soybean Cyst Nematode

The soybean cyst nematode (SCN), *Heterodera glycines*, is a small parasitic roundworm that attacks the roots of soybeans. Nematodes often are undetected because above-ground symptoms are uncommon until a 15 to 30 percent yield loss has occurred. As of 2014, SCN has been confirmed in 19 counties in North Dakota. Growers are strongly urged to test their soils for SCN. If a positive sample for SCN is found, growers should begin actively managing SCN.

Crop rotation and resistance are the most important management tools against the disease. Two sources of resistance to SCN can be found in North Dakota. They are PI88788 and Peking. To the best of our knowledge, they are effective in the state. A minimum of a two-year rotation is critical for SCN management, although a rotation of two to three years is beneficial. Dry edible beans are susceptible to SCN and should not be used as a rotation crop for managing SCN.

## General Information About the Tables

Variety trial data from all NDSU Research Extension Centers for all crops can be found at [www.ag.ndsu.edu/varietytrials](http://www.ag.ndsu.edu/varietytrials). The agronomic data presented in this publication are from replicated research plots using experimental designs that enable the use of statistical analysis. The least significant difference (LSD) numbers beneath the columns in tables are derived from the statistical analyses and only apply to the numbers in the column in which they appear. If the difference between two varieties exceeds the LSD 0.10 or 0.05 value, it means that with 90 or 95 percent probability, the higher-yielding variety has a significant yield advantage. If the difference between two varieties is less than the LSD value, then the variety yields are considered similar.

The abbreviation NS is used to indicate no significant difference for that trait among any of the varieties. The CV is a measure of variability in the trial. The CV stands for coefficient of variation and is expressed as a percentage. Large CVs indicate that a large amount of variation could not be attributed to differences in the varieties.

In the tables, the mean indicates the average of the observations in the column. Soybean yield, and oil and protein information are adjusted to 13 percent moisture content in the seed. Maturity date indicates physiological maturity, which is the date 95 percent of the pods are brown or tan. At Langdon, the maturity date indicates the day when one pod on the main stem obtained the mature brown or tan color.

Look for trends for the desired trait among different experimental sites and years. Table 2 provides the full company name, abbreviated company name used in the tables and a website for the company.

Presentation of data for the varieties tested does not imply approval or endorsement by the authors or agencies conducting the tests. NDSU approves the reproduction of any table in this publication only if no portion is deleted, appropriate footnotes are given, the order of the data is not rearranged and NDSU is credited for the data.

**Table 1. Agronomic Characteristics of Public Soybean Varieties Suitable for North Dakota Production.**

Variety	Maturity	Fargo Relative	Height	Hilum Color	Remarks <sup>1</sup>
	Group	Maturity			
Jim	00.6	early	short	yellow	6
ND Henson	0.0	early	med.	black	5
Ashtabula	0.4	med.	med.	yellow	1, 3
ND1406HP	0.6	med.	med.	yellow	6,7
Prosoy	0.8	med. late	tall	yellow	2, 6, 7
Sheyenne	0.8	med. late	med.	yellow	1, 4
Hamlin	0.9	late	med.	black	1, 2, 3
Surge	0.9	late	med.	imp. black	1, 2
Deuel	1.0	late	med.	black	3

<sup>1</sup> Remarks 1 = Good iron chlorosis resistance; 2 = Plant early; 3 = Resistant to races 1-4 of phytophthora root rot; 4 = Resistant to races 1, 2 and 3 of phytophthora root rot; 5 = Resistant to races 3 and 4 of Phytophthora; 6 = Susceptible to phytophthora root rot; 7 = Tofu bean.

**Table 2. Full Company Name, Abbreviated Name Used in Tables and Website.**

Company	Abbreviated	Website
AgVenture	AgVenture	www.agventure.com
Asgrow	Asgrow	www.asgrowanddekalb.com
Bayer CropScience (Credenz)	Bayer	www.bayercropscience.us/crops/soybean
Brushvale Seed Inc.	Brushvale	www.brushvaleseed.com
Channel Bio	Channel	www.channelbio.com
Dahlman Seed Co.	Dahlman	www.dahlmansseed.com
Dairyland Seed Co. Inc.	Dairyland	www.dairylandseed.com
DuPont Pioneer	Pioneer	www.pioneer.com
Dyna-Gro Seed	Dyna-Gro	www.dynagroseed.com
Hefty Seed Co.	Hefty	www.heftyseed.com
Innotech	Innotech	www.robseeco.com/RSC/innotech/
Integra Fortified Seed	Integra	www.integraseed.com
Latham Hi-Tech Seeds	Latham	www.lathamseeds.com
Legacy Seeds Inc.	Legacy	www.legacyseeds.com
Legend Seeds Inc.	Legend	www.legendseeds.net
Mustang Seeds	Mustang	www.mustangseeds.com
Mycogen Seeds	Mycogen	www.mycogen.com
NorthStar Genetics	NorthStar	www.northstargenetics.com
N.D. Foundation Seed	NDSU	www.ag.ndsu.edu/fss/
NuTech Seed	NuTech	www.nutechseed.com
Peterson Farms Seed (PFS)	Peterson	www.petersonfarmsseed.com
Prairie Brand Seed	Prairie	www.prairiebrandseed.com
Proseed Inc.	Proseed	www.proseed.net
REA Hybrids	REA	www.rea-hybrids.com
Renk Seeds	Renk	www.renkseed.com
Richland Organics	Richland	richlandifc.com/
SoDak Genetics	SoDak	www.roughridergenetics.com/So_Dak.htm
South Dakota State University	SDSU	www.sdstate.edu/ps/sdfssd/index.cfm
Stine Seed Co.	Stine	www.stinseed.com
Syngenta NK Brand	Syng NK	www.syngenta-us.com/seed
Thunder Seed Inc.	Thunder	www.thunderseeds.com
Wensman Seed	Wensman	www.wensmansseed.com
WinField Croplan	Croplan	www.winfield.com/Farmer/Croplan/FindSeed/Soybean/

**Table 3. 2015 NDSU Roundup Ready Soybean Iron-deficiency Chlorosis Trial - Author, T. Helms (Page 1 of 2).**

Company	Variety	3-site	Company	Variety	3-site	Company	Variety	3-site
		Mean			Mean			Mean
		IDC <sup>1</sup>			IDC <sup>1</sup>			IDC <sup>1</sup>
Dyna-Gro	S008RY43	1.4	Legacy	LS-0615RR2	1.7	Wensman	W3018R2	1.9
Channel	0205R2	1.4	Mustang	2356	1.7	Wensman	W3121NR2	1.9
REA	62G22	1.4	Mustang	6942	1.7	Hefty	02R3	1.9
Hefty	H007Y12	1.5	Mycogen	5B012R2	1.7	Latham	L0143R2	1.9
Hefty	H009R5	1.5	Thunder	3511N	1.7	Legacy	LS-1335NRR	1.9
Prairie	PB-0240R2	1.5	Latham	L00538R2	1.8	Northstar	NS 0111R2	1.9
Pioneer	008T22R2	1.5	Prairie	PB-0441R2	1.8	Peterson	16R01	1.9
Channel	00806R2	1.5	Thunder	3503	1.8	Proseed	P2 10-08RR2Y	1.9
Dairyland	DSR-C905/R2Y	1.5	Integra	20775NRR2Y	1.8	REA	R0216	1.9
Mycogen	5B005R2	1.5	Northstar	NS 0088R2	1.8	Wensman	W3032R2	1.9
Thunder	3205	1.5	Northstar	NS 0537R2	1.8	Croplan	R2T00800	1.9
Mycogen	5B024R2	1.6	REA	64G94	1.8	Dyna-Gro	S09RY64	1.9
Thunder	32005	1.6	Asgrow	AG00632	1.8	Latham	E0354R2	1.9
Asgrow	AG00932	1.6	Channel	0709R2	1.8	Legacy	LS-0635NRR2	1.9
Asgrow	AG0536	1.6	Channel	1108R2	1.8	Legacy	LS-1134NRR2	1.9
Hefty	H008R3	1.6	Dyna-Gro	S006RY75	1.8	Legend	03R22	1.9
Integra	20090RR2Y	1.6	Dyna-Gro	S03RY36	1.8	Legend	008R660	1.9
Legend	003R21	1.6	Hefty	H007R5	1.8	Mycogen	5N091R2	1.9
Proseed	P2 11-50	1.6	Integra	20327RR2Y	1.8	NuTech	6007	1.9
Proseed	P2 20-08	1.6	Integra	20600RR2Y	1.8	Peterson	15R006N	1.9
Wensman	W3031NR2	1.6	NuTech	7063	1.8	Prairie	PB-1147R2	1.9
Integra	20031RR2Y	1.7	Proseed	41-10	1.8	Syngenta	NKS06-Q9	1.9
Integra	20076N	1.7	Asgrow	AG0835	1.8	Wensman	W30085NR2	1.9
Latham	L0235R2	1.7	Channel	0209R2	1.8	Asgrow	AG0333	1.9
Legacy	LS-0334RR2	1.7	Dyna-Gro	S07RY45	1.8	Legacy	LS-0835NRR2	1.9
Mycogen	5G009R2	1.7	NuTech	7104	1.8	Northstar	NS 0081NR2	1.9
Mycogen	X550013R2	1.7	Prairie	PB-X14033R2	1.8	Peterson	16R06N	1.9
Northstar	NS 0200NR2	1.7	REA	R0815	1.8	Prairie	PB-0676R2	1.9
Prairie	PB-00844R2	1.7	Syngenta	NKS02-B4	1.8	Proseed	30-20	1.9
Prairie	PB-00950R2	1.7	Thunder	34006	1.8	Syngenta	NKS02-R2	1.9
Northstar	NS 0080R2	1.7	Thunder	3601R2Y	1.8	Thunder	35007N	1.9
Proseed	40-30N	1.7	Thunder	3614R2Y	1.8	Wensman	W3072NR2	1.9
Proseed	P2 11-07	1.7	Legend	10R551N	1.8	Channel	0507R2	1.9
Wensman	W30099R2	1.7	Mustang	12224	1.8	Channel	0508R2	1.9
Croplan	R2T0091	1.7	Northstar	NS 0480NR2	1.8	Integra	20300RR2Y	1.9
Legend	BB9R20	1.7	Stine	03RF30	1.8	Integra	21115N	1.9
Peterson	14R11N	1.7	Wensman	W3080NR2	1.8	Legend	12R24N	1.9
Pioneer	P01T06R	1.7	Bayer	CZ 0767RY	1.9	Proseed	P2 20-70	1.9
Prairie	PB-00766R2	1.7	Dairyland	DSR-1340/R2Y	1.9	Bayer	CZ 1787RY	2.0
Proseed	30-07	1.7	Northstar	NS 0060NR2	1.9	Dairyland	DSR-0305/R2Y	2.0
Proseed	31-10	1.7	Northstar	NS 1040NR2	1.9	Dairyland	DSR-0619/R2Y	2.0
Croplan	R2T0041	1.7	REA	55G14	1.9	Dyna-Gro	S01RY86	2.0
Latham	E0152R2	1.7	Thunder	3606R2Y	1.9	Latham	E0685R2	2.0
Mean		2.0	Mean		2.0	Mean		2.0
LSD 0.05		0.3	LSD 0.05		0.3	LSD 0.05		0.3
LSD 0.10		0.3	LSD 0.10		0.3	LSD 0.10		0.3



**Table 3. 2015 NDSU Roundup Ready Soybean Iron-deficiency Chlorosis Trial - Author, T. Helms (Page 2 of 2).**

Company	Variety	3-site		3-site		Company	Variety	3-site	
		Mean	IDC <sup>1</sup>	Mean	IDC <sup>1</sup>			Mean	IDC <sup>1</sup>
Legacy	LS-0214RR2	2.0		Legend	04R560	2.0	Hefty	H004Y12	2.2
NuTech	6008R2	2.0		Northstar	NS 0090R2	2.0	Integra	20815NRR2Y	2.2
Wensman	W30061NR2	2.0		Proseed	PX 506	2.0	Mycogen	5B033R2	2.2
Dairyland	DSR-0904/R2Y	2.0		Channel	0807R2	2.1	Proseed	P2 20-30	2.2
Dyna-Gro	S12RY44	2.0		Legacy	LS-0134RR2	2.1	Mycogen	5J009R2	2.2
Legacy	LS-0135RR2	2.0		Northstar	NS 1390NR2	2.1	Prairie	PB-0291R2	2.2
Legend	09R23N	2.0		NuTech	6036	2.1	Wensman	W3024R2	2.2
Mustang	4403	2.0		Peterson	14R02	2.1	Mycogen	5N122R2	2.2
Mycogen	X55008R2	2.0		Peterson	15R04	2.1	Dairyland	DSR-C918/R2Y	2.3
Northstar	NS 0651NR2	2.0		Latham	L0485R2	2.1	Innotech	IS0386	2.3
Peterson	14R13	2.0		Legend	007R22	2.1	Prairie	PB-0777R2	2.3
Prairie	PB-0146R2	2.0		NuTech	6097R2	2.1	Proseed	PX 509N	2.3
Syngenta	NKS07-B6	2.0		Pioneer	01T23R	2.1	REA	69G14	2.3
Mycogen	5N050R2	2.0		Pioneer	P09T74R2	2.1	Syngenta	NKS09-V8	2.3
Asgrow	AG0732	2.0		Proseed	PX 5008	2.1	Wensman	W3100NR2	2.3
Dyna-Gro	S009RY56	2.0		Syngenta	NKS007-Y4	2.1	Dahlman	5309NRR2Y	2.3
Hefty	H008R6	2.0		Asgrow	AG0934	2.1	Hefty	H009R3	2.3
Latham	L0256R2	2.0		Dyna-Gro	S02RY74	2.1	Mycogen	X55105NR2	2.3
Legend	06R665N	2.0		Integra	20084NRR2Y	2.1	REA	61G24	2.3
Legend	08R22N	2.0		Latham	E00858R2	2.1	Thunder	3609R2Y	2.3
Mycogen	5B040R2	2.0		Mycogen	X55082R2	2.1	Dahlman	5311NRR2Y	2.3
Mycogen	5B066R2	2.0		Pioneer	006T78R	2.1	Integra	20215RR2Y	2.3
Peterson	16R008N	2.0		Wensman	W3062NR2	2.1	Northstar	NS 0839NR2	2.3
Prairie	PB-0598R2	2.0		Dyna-Gro	S04RY55	2.1	NuTech	7138	2.3
Prairie	PB-0863R2	2.0		Hefty	01R4	2.1	Peterson	16R09N	2.3
Prairie	PB-1234R2	2.0		Northstar	NS 0949R2	2.1	Proseed	30-09	2.3
Proseed	40-50N	2.0		Prairie	PB-00856R2	2.1	Proseed	30-80	2.3
Proseed	PX 501	2.0		REA	69G13	2.1	Dairyland	DSR-0711/R2Y	2.3
Thunder	Astro R2Y	2.0		Stine	01RE00	2.1	REA	71G14	2.3
Dairyland	DST01-000/R2Y	2.0		Syngenta	NKS05-W7	2.1	Syngenta	NKS12-H2	2.3
Dyna-Gro	S06RY24	2.0		Asgrow	AG0832	2.1	Wensman	W3090NR2	2.3
Integra	20126RR2Y	2.0		Dahlman	5405NRR2Y	2.1	Legend	02R21	2.4
Integra	20617NRR2Y	2.0		Legend	008R560	2.1	Peterson	16R10	2.4
Integra	20915N	2.0		Mustang	9626	2.1	Legacy	LS-0833NRR2	2.4
Legacy	LS-00834RR2	2.0		Mycogen	5B007R2	2.1	Dyna-Gro	S08RY76	2.4
Legend	01R656	2.0		Northstar	NS 0941NR2	2.1	Legacy	LS-0935NRR	2.4
Mycogen	X55067NR2	2.0		Peterson	15R07N	2.1	Legend	09R606N	2.5
NuTech	6021	2.0		REA	66G14	2.1	Stine (check)	0480	2.5
Proseed	41-30N	2.0		Legacy	LS-00835NRR2	2.2	Dairyland	DSR-1120/R2Y	2.5
Syngenta	NKS11-C8	2.0		Mycogen	X55034R2	2.2	Prairie	PB-0966R2	2.6
Wensman	W3143NR2	2.0		Stine	02RD00	2.2	Syngenta	NKS04-D3	2.6
Dairyland	DSR-0404/R2Y	2.0		Thunder	3408NR2Y	2.2	Innotech	IS0629	2.8
Integra	20087	2.0		Thunder	36008NR2Y	2.2			
Mean		2.0		Mean		2.0	Mean		2.0
LSD 0.05		0.3		LSD 0.05		0.3	LSD 0.05		0.3
LSD 0.10		0.3		LSD 0.10		0.3	LSD 0.10		0.3

<sup>1</sup>IDC score was 1-5 with 1-green, 3-yellow, 5-dead tissue.

**Table 4. 2015 NDSU Conventional and Liberty Link Soybean Iron-deficiency Chlorosis Trial - Author, T. Helms.**

Company	Variety	3-site Mean IDC <sup>1</sup>	Company	Variety	3-site Mean IDC <sup>1</sup>
NDSU check	A11(early)	1.8	Thunder	5401LL	2.3
Asgrow <sup>2</sup>	AG00932	1.9	Dyna-Gro	S04RY55	2.3
Richland	MK0508	2.0	NuTech	3022LL	2.3
Proseed	LL 40-71	2.0	Thunder	5205LLN	2.3
Hefty	H008L3	2.0	Bayer	CZ 0525LL	2.3
Richland	MK9101	2.0	Dyna-Gro	S07RY45	2.3
Peterson	L04-16	2.0	Richland	MK 41	2.4
Peterson	L07-16N	2.0	NuTech	3066L	2.4
Integra	I30080LL	2.0	Asgrow <sup>2</sup>	AG0732	2.4
NDSU	Ashtabula	2.1	Bayer	CZ 0121LL	2.4
Dyna-Gro	S05LL34	2.1	Integra	30500N	2.4
Bayer	CZ 1332LL	2.1	Richland	MK1016	2.4
Dyna-Gro	S09RY64	2.1	Richland	MK42	2.4
Dyna-Gro	SX15204L	2.1	Proseed	LL 11-51	2.4
Northstar	NS 0095LL	2.1	NDSU	ProSoy	2.4
NuTech	2047L	2.1	Richland	EXP603	2.4
Thunder	5411LLN	2.1	Thunder	5605LLN	2.4
Northstar	NS 0361NLL	2.2	Asgrow <sup>2</sup>	AG0333	2.4
Peterson	L13-15N	2.2	Northstar	NS 0571NLL	2.4
Dyna-Gro	S06RY24	2.2	NDSU	ND1406HP	2.5
NDSU	ND Henson	2.2	NuTech	2086L	2.5
Northstar	NS 0801NLL	2.2	Proseed	LL 40-51	2.5
NuTech	3126L	2.2	Richland	MK 9101	2.6
Asgrow <sup>2</sup>	AG0832	2.2	Proseed	LL 3014	2.6
Bayer	CZ 0848LL	2.2	Thunder	5615LLN	2.6
Richland	MK0249	2.2	Brushvale	BS149	2.6
Northstar	NS 0129LL	2.2	Peterson	L02-16N	2.6
SDSU	Codington	2.2	SDSU	Roberts	2.6
Dyna-Gro	S08LL84	2.2	NDSU check	Sargent	2.7
NuTech	3103L	2.2	Bayer	CZ 1845LL	2.7
Peterson	L11-13N	2.2	Brushvale	BS316	2.8
Proseed	LL 4131N	2.2	Bayer	CZ 1623LL	2.8
NDSU	Sheyenne	2.2	Brushvale	BS1030	2.8
Integra	31007N	2.3			
Mean		2.3	Mean		2.3
LSD 0.05		0.3	LSD 0.05		0.3
LSD 0.10		0.3	LSD 0.10		0.3

<sup>1</sup>IDC score was 1-5 with 1-green, 3-yellow, 5-dead tissue.<sup>2</sup>Roundup Ready Asgrow Seed check varieties.



**Table 5. 2015 NDSU Roundup Ready Soybean Iron-deficiency Chlorosis Yield Trial - Author, T. Helms.**

Company/Brand	Variety	Maturity (date)	IDC Score <sup>1</sup> (1-5)	2015 Seed Yield		
				Hunter	Leonard	Average
Asgrow	AG 0536	9/20	1.2	33.1	66.6	49.9
Asgrow	AG 0333	9/21	1.9	13.8	61.1	37.4
Asgrow	AG 0735	9/25	1.9	8.0	71.7	39.9
Asgrow	AG 0832	9/27	1.9	5.1	48.7	26.9
Channel	0707R2	9/22	2.4	2.2	37.6	19.9
Channel	0709R2	9/26	1.5	17.1	68.4	42.7
Channel	1108R2	9/26	1.8	10.1	70.8	40.4
Channel	0807R2	9/27	2.4	7.5	57.4	32.5
Dahlman	5203RR2Y	9/21	1.4	16.6	57.5	37.1
Dahlman	5405NRR2Y	9/24	2.0	15.8	50.2	33.0
Dahlman	5311NRR2Y	9/28	2.6	13.9	35.7	24.8
Dahlman	5309NRR2Y	9/29	2.7	10.3	21.0	15.7
Dyna-gro	S03RY36	9/14	1.3	22.0	59.6	40.8
Dyna-gro	S06RY24	9/26	2.1	0.0	45.5	22.9
Dyna-gro	S07RY45	9/27	2.3	16.5	54.9	35.7
Dyna-gro	S08RY76	9/27	2.3	0.0	50.0	25.0
Integra	20600	9/19	1.6	27.8	60.0	43.9
Integra	20775N	9/25	1.8	3.3	52.4	27.8
Integra	20915N	9/27	1.6	8.1	57.9	33.0
Legend	06R665N	9/28	2.1	8.5	61.7	35.1
Legend	08R652N	9/30	2.6	0.0	34.8	17.4
Mycogen	5B080R2	9/15	1.4	15.4	53.2	34.3
Mycogen	5B066R2	9/18	1.6	25.3	56.6	40.9
Mycogen	5N050R2	9/27	2.1	3.3	49.3	26.3
Mycogen	5N110R2	9/27	1.9	20.9	61.5	41.2
Peterson	15R07N	9/26	1.9	8.4	50.8	29.6
Peterson	16R09N	9/28	2.6	15.3	28.9	22.1
Syngenta	NKS07-B6	9/20	1.9	19.8	51.7	35.7
Syngenta	NKS06-Q9	9/20	1.7	4.2	54.4	29.3
Syngenta	NKS11-C8	9/27	2.4	3.4	44.3	23.9
Syngenta	NKS09-V8	9/29	2.7	4.2	30.7	17.5
Thunder	Astro R2Y	9/14	1.7	20.5	53.5	37.0
Thunder	3503R2Y	9/16	1.5	34.1	59.4	46.8
Thunder	3606NR2Y	9/26	1.9	2.3	47.3	24.9
Wensman	W3030R2	9/14	1.3	32.9	51.0	42.0
Wensman	W3031NR2	9/17	1.4	17.7	58.0	37.8
Wensman	W3018R2	9/18	2.0	19.8	49.3	34.5
Wensman	W3062NR2	9/25	2.1	11.3	44.0	27.7
Mean		9/23	1.9	13.1	51.8	32.5
LSD 0.05		3	0.5	17.3	14.9	11.4
LSD 0.10		2	0.3	10.9	9.4	7.2

Planted: May 21. Previous crop: corn.

<sup>1</sup>Iron-deficiency chlorosis visual scorebased on one site: 1-green, 3-yellow, 5-dead tissue.



**Table 7. 2015 NDSU Combined Central Roundup Ready Soybean Locations in North Dakota - Author, T. Helms (Page 1 of 2).**

Company/ Brand	Variety	Maturity <sup>1</sup> (date)	Plant Height (inch)	Seed Oil (%)	Seed Protein (%)	Seed Yield			
						Northwood	Grandin	2015 Average	2-yr. Avg.
Bayer	CZ 0767RY	9/24	26	19.4	34.9	72.0	62.7	67.3	--
Channel	0507R2	9/21	24	18.6	34.0	85.4	59.1	72.2	--
Channel	0709R2	9/25	25	18.1	34.2	80.3	65.6	72.9	--
Dairyland	DSR-0305/R2Y	9/18	27	18.7	35.3	74.2	63.3	68.7	--
Dairyland	DSR-0404/R2Y	9/20	26	18.4	34.1	80.5	66.6	73.6	67.0
Dairyland	DSR-0619/R2Y	9/21	26	18.8	35.2	82.1	68.7	75.4	--
Dairyland	DSR-0711/R2Y	9/26	25	19.3	33.2	84.5	51.5	68.0	62.8
Dyna-Gro	S06RY24	9/24	25	18.3	35.6	79.4	65.0	72.2	66.2
Dyna-Gro	S07RY45	9/24	27	18.9	33.4	79.9	69.0	74.4	68.7
Dyna-Gro	S03RY36	9/19	26	19.1	35.2	72.2	63.4	67.8	--
Dyna-Gro	S04RY55	9/19	26	18.7	34.6	77.3	61.3	69.3	62.2
Integra	20600	9/23	26	18.9	33.5	78.8	70.3	74.5	68.6
Integra	20775N	9/24	25	19.2	33.0	82.4	68.4	75.4	--
Legacy	LS0134RR2	9/20	24	19.2	34.0	78.8	69.7	74.2	--
Legacy	LS0615RR2	9/23	28	19.2	33.9	81.1	70.8	75.9	--
Legacy	LS0334RR2	9/23	24	19.3	34.0	67.9	59.8	63.8	61.4
Legacy	LS0635NRR2	9/24	26	18.7	34.8	82.4	69.6	76.0	--
Legend	04R560	9/21	27	19.1	34.2	78.9	67.2	73.1	--
Legend	06R656N	9/23	28	18.7	34.6	88.4	71.9	80.2	--
Legend	08R652N	9/26	25	18.6	32.9	82.1	64.9	73.5	--
Mycogen	5B040R2	9/20	27	18.6	33.8	78.8	65.7	72.2	65.3
Mycogen	5B066R2	9/23	23	19.0	33.5	74.5	70.9	72.7	67.2
Mycogen	X55067NR2	9/23	22	19.0	34.1	79.4	64.5	71.9	--
Northstar	NS 0480NR2	9/22	30	18.3	34.1	82.4	70.5	76.5	67.6
Northstar	NS 0651NR2	9/23	27	19.0	34.5	81.1	66.1	73.6	--
Northstar	NS 0839NR2	9/25	28	18.8	33.3	79.0	69.7	74.3	--
NuTech	6008R2	9/11	25	20.0	32.0	78.6	53.5	66.1	--
NuTech	7063	9/20	25	20.3	31.6	74.6	61.9	68.2	63.1
NuTech	6036	9/20	24	19.7	34.3	78.0	59.6	68.8	62.3
Peterson	15R04	9/19	23	19.1	34.0	70.6	59.1	64.8	61.3
Peterson	16R06N	9/23	28	18.7	34.6	76.4	67.3	71.9	--
Peterson	15R07N	9/23	28	19.0	33.4	76.6	64.4	70.5	--
Proseed	PX506	9/23	28	18.9	34.6	81.4	68.0	74.7	--
Proseed	PX509N	9/24	25	19.2	33.3	76.4	64.8	70.6	--
Proseed	30-80	9/25	27	19.1	32.8	79.3	61.6	70.4	65.7
Proseed	P2 20-70	9/25	24	19.0	33.8	73.1	52.8	63.0	59.7
REA	61G24	9/19	25	19.4	33.8	80.7	67.4	74.0	--
REA	R0216	9/19	29	20.2	33.5	77.8	58.9	68.3	--
REA	64G94	9/21	26	20.3	32.5	84.1	68.5	76.3	--
REA	66G14	9/23	27	18.0	34.0	85.8	69.3	77.5	--
Syngenta	NKS04-D3	9/18	25	18.6	34.0	77.3	60.3	68.8	60.6
Syngenta	NKS05-W7	9/21	24	20.2	31.9	76.0	64.2	70.1	--
Syngenta	NKS06-Q9	9/21	25	18.2	35.9	78.3	65.8	72.0	--
Syngenta	NKS07-B6	9/22	24	19.2	32.6	73.6	60.9	67.3	63.1
Mean		9/21	26	19.0	33.9	78.6	64.4	71.5	64.1
LSD 0.05		2.0	2.0	0.8	1.2	8.2	6.6	5.3	--
LSD 0.10		1.2	1.2	0.5	0.8	5.2	4.2	3.3	--

**Table 7. 2015 NDSU Combined Central Roundup Ready Soybean Locations in North Dakota - Author, T. Helms (Page 2 of 2).**

Company/ Brand	Variety	Maturity <sup>1</sup> (date)	Plant Height (inch)	Seed Oil (%)	Seed Protein (%)	Seed Yield			2-yr. Avg.
						Northwood	Grandin	2015 Average	
Thunder	Astro R2Y	9/18	23	18.8	33.3	77.7	61.5	69.6	--
Thunder	3601R2Y	9/20	27	19.5	34.3	86.3	69.9	78.1	--
Thunder	3606R2Y	9/22	28	18.8	34.7	80.9	64.1	72.5	--
Wensman	W3018R2	9/18	30	20.3	33.4	75.2	62.6	68.9	--
Wensman	W3031NR2	9/18	32	18.9	33.9	73.4	59.7	66.6	60.9
Wensman	W3032R2	9/18	27	16.7	33.7	77.1	66.4	71.7	--
Wensman	W3062NR2	9/23	26	18.4	35.8	79.8	61.9	70.8	63.8
Mean		9/21	26	19.0	33.9	78.6	64.4	71.5	64.1
LSD 0.05		2.0	2.0	0.8	1.2	8.2	6.6	5.3	--
LSD 0.10		1.2	1.2	0.5	0.8	5.2	4.2	3.3	--

Planted: Grandin, May 22; Northwood, May 23. Previous crop: wheat.

<sup>1</sup>Maturity is date of 95 percent brown or tan pods.**Table 8. 2015 NDSU Combined Central Conventional and Liberty Link Soybean Locations in North Dakota - Author, T. Helms.**

Company/ Brand	Variety	Maturity <sup>1</sup> (date)	Plant Height (inch)	Seed Oil (%)	Seed Protein (%)	Seed Yield			2-yr. Avg.
						Northwood	Grandin	2015 Average	
Bayer	CZ 0525LL	9/23	23	20.2	34.1	74.6	60.4	67.5	--
Dyna-Gro	S05LL34	9/20	25	19.1	33.8	76.1	60.2	68.1	59.5
Dyna-Gro	SX15204L	9/25	22	20.0	34.4	75.9	59.4	67.6	--
Integra	30500N	9/22	30	19.3	33.5	79.2	70.4	74.8	--
NDSU	ND Henson	9/15	21	19.6	33.9	65.8	50.7	58.2	50.6
NDSU	ND1406HP	9/18	26	17.5	36.1	66.6	53.4	60.0	50.9
NDSU	Ashtabula	9/20	24	20.6	31.8	74.8	51.4	63.1	55.2
NDSU	Sheyenne	9/21	28	19.6	32.9	71.5	61.0	66.3	56.2
NDSU	ProSoy	9/25	30	18.1	37.0	70.4	54.5	62.4	53.0
NorthStar	NS 0801NLL	9/22	27	19.1	32.8	80.5	62.1	71.3	--
NorthStar	NS 0571NLL	9/23	24	20.1	34.0	74.5	68.3	71.4	--
NuTech	3022L	9/16	26	20.3	32.9	68	55.7	61.8	--
NuTech	2047L	9/21	27	19.4	33.1	82.4	63.8	73.1	--
NuTech	3066L	9/22	24	19.9	34.5	76.1	64.1	70.1	--
Peterson	L02-16N	9/16	25	20.3	33.6	62.7	46.4	54.6	--
Peterson	L04-16	9/27	22	19.5	34.9	62.0	49.2	55.6	--
Proseed	LL 40-51	9/21	23	20.0	34.2	78.9	44.8	61.8	--
Proseed	LL 11-51	9/21	30	19.3	33.8	73.5	62.6	68.0	--
Proseed	LL 40-71	9/22	25	18.7	32.4	73.2	62.0	67.6	--
Richland	MK0249	9/21	17	18.4	33.2	71.0	26.2	48.6	43.7
Richland	EXP603	9/25	21	16.7	35.4	70.9	26.4	48.7	--
Richland	MK0508	9/27	17	17.8	33.5	71.7	29.4	50.5	45.1
Thunder	5401LL	9/17	22	19.5	33.1	71.4	51.6	61.5	46.8
Thunder	5605LLN	9/20	24	20.2	33.6	70.7	61.7	66.2	--
Mean		9/21	24	19.2	33.9	74.1	54.0	63.3	51.2
LSD 0.05		2.0	2.0	0.9	1.1	6.8	12.2	6.9	--
LSD 0.10		1.3	1.3	0.6	0.7	4.3	7.6	4.4	--

Planted: Grandin, May 22; Northwood, May 23. Previous crop: wheat.

<sup>1</sup>Maturity is date of 95 percent brown or tan pods.

**Table 9. 2015 NDSU Combined Southern Roundup Ready Soybean Locations in North Dakota - Author, T. Helms (Page 1 of 2).**

Company/ Brand	Variety	Maturity <sup>1</sup> (date)	Seed Oil (%)	Seed Protein (%)	2015			2-yr. Avg.
					Fairmount	Walcott	Average	
					------(bu/a)-----			
Bayer	CZ 0767RY	9/14	19.7	35.1	59.3	60.2	59.8	--
Bayer	CZ 1787RY	9/20	19.2	33.5	59.8	67.6	63.7	--
Channel	0807R2	9/15	19.6	33.7	63.6	70.6	67.1	--
Channel	1108R2	9/20	19.9	33.5	69.4	75.0	72.2	63.1
Dahlman	5309NRR2Y	9/15	19.7	33.9	58.8	63.0	60.9	56.5
Dahlman	5311NRR2Y	9/19	19.9	34.3	55.5	59.5	57.5	50.3
Dairyland	DSR-0904/R2Y	9/16	19.8	33.6	67.4	71.2	69.3	61.0
Dairyland	DSR-0711/R2Y	9/18	20.4	32.1	59.5	75.3	67.4	56.2
Dairyland	DSR-1120/R2Y	9/20	20.1	33.3	64.8	70.7	67.7	--
Dyna-Gro	S06RY24	9/15	19.3	35.6	67.5	63.6	65.5	--
Dyna-Gro	S09RY64	9/15	18.9	33.7	63.5	71.3	67.4	58.6
Dyna-Gro	S07RY45	9/15	19.2	33.9	69.7	70.6	70.2	--
Dyna-Gro	S12RY44	9/17	19.6	33.6	69.0	72.9	70.9	59.3
Integra	20915N	9/18	19.0	33.1	69.9	67.0	68.5	58.3
Legacy	LS0833NRR2	9/16	19.4	34.2	60.4	63.7	62.1	55.0
Legacy	LS-0935NRR2	9/17	19.4	33.4	68.5	75.1	71.8	--
Legacy	LS1335NRR2	9/20	20.0	33.2	63.0	70.8	66.9	--
Legacy	LS1134NRR2	9/22	19.9	34.0	68.0	76.5	72.2	61.6
Mycogen	X55082R2	9/15	19.7	34.8	63.9	69.2	66.6	--
Mycogen	5N091R2	9/15	19.9	34.3	62.8	71.7	67.2	60.6
Mycogen	X55105NR2	9/18	19.3	33.5	67.8	68.8	68.3	--
Mycogen	5N122R2	9/20	19.9	33.9	64.1	68.1	66.1	56.6
Northstar	NS 0941NR2	9/15	19.3	34.0	71.4	67.9	69.7	--
Northstar	NS 0949R2	9/18	19.5	33.5	67.5	74.9	71.2	61.2
Northstar	NS 1390NR2	9/20	19.5	35.3	65.7	69.7	67.7	--
Northstar	NS 1040NR2	9/21	20.3	33.4	64.3	74.6	69.4	59.1
NuTech	7063	9/13	20.3	32.9	65.2	72.2	68.7	58.7
NuTech	7104	9/15	20.6	34.6	64.2	70.7	67.4	56.8
NuTech	6097R2	9/19	21.0	31.5	68.8	72.8	70.8	--
NuTech	7138	9/19	19.5	33.7	68.6	71.4	70.0	--
Peterson	15R07N	9/15	19.3	34.1	62.5	59.2	60.8	55.8
Peterson	14R11N	9/16	19.5	34.4	62.5	61.3	61.9	55.5
Peterson	16R09N	9/17	19.5	33.4	65.7	69.3	67.5	--
Proseed	30-80	9/15	19.6	34.5	57.5	60.4	59.0	53.4
Proseed	PX509N	9/15	19.8	33.6	66.0	69.2	67.6	--
Proseed	31-10	9/17	19.3	34.3	63.2	69.4	66.3	--
Proseed	41-10	9/22	19.9	33.4	69.9	75.7	72.8	--
REA	69G14	9/15	19.7	33.9	65.8	71.6	68.7	--
REA	R0815	9/15	19.5	33.5	69.1	70.0	69.5	--
REA	69G13	9/16	19.9	33.4	63.9	72.6	68.3	--
REA	71G14	9/18	19.3	34.3	64.1	73.6	68.8	--
Syngenta	NKS07-B6	9/13	19.1	33.7	63.4	61.8	62.6	--
Syngenta	NKS11-C8	9/16	20.2	33.8	64.7	71.6	68.1	--
Mean		9/17	19.6	33.9	65.4	69.6	67.5	58.2
LSD 0.05		1.8	0.8	1.4	5.8	6.9	4.5	--
LSD 0.10		1.1	0.5	0.9	3.4	4.4	2.8	--

**Table 9. 2015 NDSU Combined Southern Roundup Ready Soybean Locations in North Dakota - Author, T. Helms (Page 2 of 2).**

Company/ Brand	Variety	Maturity <sup>1</sup> (date)	Seed Oil (%)	Seed Protein (%)	2015			2-yr. Avg.
					Fairmount	Walcott	Average (bu/a)	
Syngenta	NKS09-V8	9/17	19.1	35.3	67.3	70.5	68.9	--
Syngenta	NKS12-H2	9/20	19.2	34.4	70.2	72.5	71.3	58.0
Thunder	3609R2Y	9/15	19.7	33.3	59.0	68.3	63.6	--
Thunder	3408NR2Y	9/15	19.0	34.4	64.2	73.6	68.9	57.6
Thunder	3606R2Y	9/15	19.0	35.7	65.4	64.0	64.7	--
Thunder	3614R2Y	9/20	20.0	33.3	69.6	73.0	71.3	--
Wensman	W3072NR2	9/15	19.0	35.6	62.0	66.0	64.0	--
Wensman	W3080NR2	9/15	19.6	33.6	66.5	65.4	66.0	60.1
Wensman	W3090NR2	9/16	20.0	34.0	61.0	67.2	64.1	59.8
Wensman	W3100NR2	9/18	20.1	32.1	62.6	62.6	62.6	--
Mean		9/17	19.6	33.9	65.4	69.6	67.5	58.2
LSD 0.05		1.8	0.8	1.4	5.8	6.9	4.5	--
LSD 0.10		1.1	0.5	0.9	3.4	4.4	2.8	--

Planted: May 23. Previous crop: corn.

<sup>1</sup>Maturity is date of 95 percent brown or tan pods.



**Table 10. 2015 NDSU Combined Southern Conventional and Liberty Link Soybean Locations in North Dakota - Author, T. Helms.**

Company/ Brand	Variety	Maturity <sup>1</sup> (date)	Seed Oil (%)	Seed Protein (%)	Seed Yield			
					Fairmount	Walcott	2015 Average	2-yr. Average
					------(bu/a)-----			
Bayer	CZ 0525LL	9/14	20.6	34.3	67.5	68.4	68.0	--
Bayer	CZ 0848LL	9/18	19.6	34.3	65.1	61.7	63.4	--
Bayer	CZ 1332LL	9/22	18.5	35.3	66.9	63.2	65.1	--
Brushvale	BS316	9/18	18.8	35.6	65.1	61.7	63.4	--
Brushvale	BS149	9/20	17.8	36.5	64.0	58.8	61.4	50.9
Brushvale	BS1030	9/22	19.3	34.5	63.6	57.2	60.4	--
Dyna-Gro	S08LL84	9/17	19.8	34.7	64.9	64.1	64.5	53.4
Integra	31007N	9/17	19.6	35.0	67.9	66.3	67.1	--
NDSU	ND1406HP	9/13	17.2	37.8	56.6	56.2	56.4	--
NDSU	Ashtabula	9/13	20.5	32.6	67.3	57.9	62.6	52.5
NDSU	Sheyenne	9/15	19.6	33.7	63.7	61.9	62.8	54.4
NDSU	ProSoy	9/18	18.5	37.5	64.2	56.4	60.3	48.5
NuTech	3066L	9/14	19.9	36.1	69.1	65.7	67.4	--
NuTech	2086L	9/16	19.2	34.8	69.8	67.0	68.4	--
NuTech	3103L	9/20	19.8	34.3	69.4	69.4	69.4	58.2
NuTech	3126L	9/22	18.6	35.2	73.0	67.4	70.2	--
Peterson	L11-13N	9/14	18.7	36.1	62.4	65.9	64.1	54
Peterson	L07-16N	9/14	19.2	33.2	66.6	61.5	64.0	--
Peterson	L13-15N	9/21	18.6	35.2	68.4	65.8	67.1	57.4
Proseed	LL 3014	9/21	19.2	35.4	61.3	64.9	63.1	56.8
Proseed	LL 4131N	9/23	18.7	35.0	76.0	70.4	73.2	60.3
Richland	MK42	9/14	18.2	37.0	62.9	59.7	61.3	--
Richland	Exp603	9/15	16.9	34.7	59.5	57.2	58.4	--
Richland	MK1016	9/15	18.3	35.1	56.7	44.2	50.5	43.6
Richland	MK0508	9/16	17.8	34.7	55.6	50.8	53.2	42.7
SDSU	Roberts	9/17	20.2	34.1	65.2	57.8	61.5	51.9
SDSU	Codington	9/19	19.5	35.6	66.0	55.1	60.5	49.9
Thunder	5605LLN	9/15	20.6	33.9	67.0	66.8	66.9	--
Thunder	5411LLN	9/18	19.9	34.2	70.1	66.5	68.3	--
Thunder	5615LLN	9/23	18.7	34.7	68.4	66.9	67.6	--
Mean		9/17	19.1	35.0	65.5	61.9	63.7	52.5
LSD 0.05		2.0	0.9	1.8	6.0	7.0	4.6	--
LSD 0.10		1.2	0.6	1.1	3.8	4.4	2.9	--

Planted: Fairmount, May 18; Walcott, May 11. Previous crop: corn.

<sup>1</sup>Maturity is date of 95 percent brown or tan pods.

**Table 11. 2015 Soybean - Dryland, Roundup Ready - Carrington - Authors, M. Ostlie and B. Schatz (Page 1 of 2).**

Company/ Brand	Variety	Mat. Group	Maturity <sup>1</sup> (date)	Pod Ht (cm)	Plant Ht (inch)	Seeds/ Pound (seeds)	Test Weight (lb/bu)	Seed Oil (%)	Seed Protein (%)	Seed Yield	
										2015	3-yr. Avg. -----(bu/a)----
Channel	0205R2	0.2	9/1	12	34	3,064	58.3	15.3	35.8	29.7	--
Channel	0209R2	0.2	8/31	11	33	4,016	58.0	16.0	35.5	31.7	--
Channel	0507R2	0.5	9/7	8	33	3,179	56.7	15.7	35.8	35.1	--
Channel	0508R2	0.5	9/9	13	31	3,206	56.9	16.3	34.3	37.7	--
Dairyland	DSR-0305/R2Y	0.3	9/7	11	28	3,330	57.2	16.4	35.0	39.0	42.6
Dairyland	DSR-0404/R2Y	0.4	9/7	12	29	3,314	56.9	15.8	35.2	34.0	--
Dairyland	DSR-0619/R2Y	0.6	9/9	11	29	3,229	56.6	15.9	35.4	37.8	--
Dairyland	DSR-0711/R2Y	0.7	9/10	10	28	3,265	57.4	16.9	33.7	36.0	--
Dairyland	DST01-000/R2Y	0.1	8/31	10	33	3,943	57.2	16.3	35.1	35.1	--
Dairyland	DSR-C918/R2Y	0.9	9/2	9	27	3,698	57.3	15.1	36.8	32.2	--
Dyna-Gro	S03RY36	0.3	9/5	7	29	3,022	57.3	15.4	37.0	30.4	--
Dyna-Gro	S04RY55	0.4	9/5	12	30	3,272	56.7	15.4	36.8	34.2	--
Dyna-Gro	S06RY24	0.6	9/10	15	28	3,055	56.6	15.4	36.4	39.6	43.9
Innotech	IS0386	0.3	9/4	11	28	3,430	57.4	15.6	36.2	31.8	--
Innotech	IS0629	0.6	9/9	12	29	3,163	58.0	15.5	35.9	37.5	--
Integra	20126 RR2Y	0.1	9/5	12	30	3,214	56.7	16.2	36.6	35.1	--
Integra	20215 RR2Y	0.1	9/4	10	27	3,322	57.1	15.6	35.8	33.6	--
Integra	20300 RR2Y	0.3	9/9	10	29	3,190	56.8	16.1	34.6	40.2	44.3
Integra	20327 RR2Y	0.3	9/6	8	28	3,066	57.5	15.6	36.6	36.1	--
Integra	20600 RR2Y	0.6	9/9	19	29	3,184	56.5	15.8	34.6	31.8	44.0
Latham	E0354R2	0.3	9/6	12	27	3,414	57.0	16.1	35.4	32.8	--
Latham	E0685R2	0.6	9/10	14	29	3,051	56.7	16.0	35.3	42.1	--
Latham	L0143R2	0.1	9/1	10	32	3,275	58.3	15.1	36.4	27.9	--
Latham	L0235R2	0.2	9/6	11	26	2,883	56.8	15.9	36.3	36.4	--
Latham	L0485R2	0.4	9/10	12	27	3,089	56.5	15.7	35.8	39.2	--
Legacy	LS0334 RR	0.3	9/11	11	27	3,147	56.7	16.5	35.0	39.8	--
Legacy	LS0615 RR	0.6	9/9	13	32	2,874	56.5	15.7	35.7	33.9	--
Legacy	LS0635N RR	0.6	9/8	12	29	3,054	56.3	15.7	35.8	34.6	--
Legacy	LS0833N RR	0.8	9/13	12	29	2,957	55.5	16.0	35.3	29.7	--
Legacy	LS0134 RR	0.3	9/7	12	24	2,927	57.1	16.0	36.0	32.4	--
Legend	LS01R656	0.1	8/30	15	32	4,021	57.8	16.0	35.8	33.3	--
Legend	LS03R22	0.5	9/8	9	30	3,439	56.7	15.7	34.9	39.2	--
Legend	LS04R560	0.4	9/12	16	30	3,227	56.5	16.3	35.1	38.7	--
Legend	LS06R565N	0.6	9/10	13	28	3,136	56.9	15.6	36.1	37.8	--
Mustang	02356	0.2	8/31	10	34	4,042	58.2	16.3	35.3	31.7	--
Mustang	04403	0.4	9/6	11	29	3,309	56.9	16.2	35.1	36.2	--
Mustang	06942	0.6	9/10	13	31	3,366	57.0	16.3	33.7	35.0	--
Mycogen	5B033R2	0.3	9/6	11	28	3,293	57.3	16.5	34.8	41.1	--
Mycogen	5B040R2	0.4	9/8	12	30	3,367	56.6	16.0	35.3	35.3	45.9
Mycogen	5B066R2	0.6	9/8	15	29	3,351	57.2	15.8	34.7	30.1	43.8
Mycogen	X55034R2	0.3	9/8	11	26	3,481	57.3	15.8	35.3	34.0	--
Mycogen	X55067NR2	0.6	9/9	10	29	2,982	56.4	15.8	35.8	36.8	--
Mycogen	5B024R2	0.2	9/1	11	36	3,044	57.6	15.4	35.5	32.5	38.9
NorthStar	NS 0537R2	0.5	9/8	13	31	3,376	56.9	15.5	35.1	27.3	--
NorthStar	NS 0651NR2	0.6	9/9	9	28	3,008	56.6	15.8	36.0	37.4	--
NorthStar	NS 0480NR2	0.4	9/10	9	28	3,093	56.3	15.6	36.3	30.0	--
Mean			9/7	11	29	3,253	57.0	15.8	35.5	34.9	43.7
CV %			1.5	33.6	6.6	5.5	0.9	2.8	2.0	13.2	--
LSD 0.05			2.2	5.3	2.7	249	0.7	0.6	1.0	6.4	--
LSD 0.10			1.9	4.4	2.3	209	0.6	0.5	0.8	5.4	--

**Table 11. 2015 Soybean - Dryland, Roundup Ready - Carrington - Authors, M. Ostlie and B. Schatz (Page 2 of 2).**

Company/ Brand	Variety	Mat. Group	Maturity <sup>1</sup> (date)	Pod Ht (cm)	Plant Ht (inch)	Seeds/ Pound (seeds)	Test Weight (lb/bu)	Seed Oil (%)	Seed Protein (%)	Seed Yield	
										2015	3-yr. Avg. -----(bu/a)-----
NorthStar	NS 0839NR2	0.8	9/15	14	31	2,818	55.5	15.8	35.6	32.9	--
NorthStar	NS 0941NR2	0.9	9/15	14	29	2,694	55.2	15.8	34.8	38.5	--
NuTech	6097R2	0.9	9/4	9	31	3,534	57.1	16.5	34.0	37.7	--
NuTech	7063	0.6	9/6	8	25	3,570	57.3	16.2	35.0	30.8	39.6
Peterson	14R02	0.2	9/7	10	28	3,155	56.6	15.6	35.7	41.4	--
Peterson	15R04	0.4	9/11	15	28	3,294	56.9	16.6	34.7	37.2	--
Peterson	16R06N	0.6	9/9	10	28	3,178	56.2	16.0	35.9	37.0	--
Prairie	PB-0598R2	0.5	9/9	10	28	3,176	56.9	15.6	35.1	38.7	--
Prairie	PB-0676R2	0.6	9/9	14	30	3,010	56.3	15.8	34.3	37.1	--
Prairie	PB-0966R2	0.9	9/15	15	31	2,694	56.4	15.4	37.0	38.4	--
Prairie	X14033R2	--	9/5	10	28	3,128	57.3	15.7	35.8	30.8	--
Proseed	40-50N	0.5	9/9	13	29	3,188	56.5	15.6	36.6	29.7	--
Proseed	P2 11-50	0.5	9/7	14	31	3,184	57.0	16.1	34.3	36.9	47.0
Proseed	P2 20-30	0.3	9/8	14	29	3,140	57.0	16.1	35.0	36.2	44.2
Proseed	PX506	0.6	9/9	13	28	3,216	56.1	15.5	36.1	33.0	--
REA	61G24	0.1	9/6	14	27	2,918	57.5	16.0	35.9	32.0	--
REA	66G14	0.6	9/12	7	26	3,029	56.4	15.5	35.4	39.1	45.3
REA	R0216	0.2	8/31	12	34	3,958	58.2	16.2	35.6	32.0	--
Thunder	3205	0.5	9/9	14	30	3,301	57.5	16.1	34.3	35.6	46.3
Thunder	3503	0.3	9/6	8	31	3,018	57.7	15.7	36.3	40.6	--
Thunder	3601	0.1	9/1	13	33	3,941	58.1	16.4	35.2	32.1	--
Thunder	3505N	0.5	9/8	12	27	3,212	56.8	15.9	35.6	37.1	--
Thunder	36008N	00.8	9/4	11	29	3,084	56.8	15.8	35.5	34.2	--
Thunder	3606N	0.6	9/10	12	29	3,033	56.6	15.6	36.1	37.9	--
Thunder	Astro	0.0	9/1	7	31	3,684	58.2	15.0	35.3	33.0	--
Wensman	W30085NR2	00.8	9/3	8	30	3,276	57.3	15.2	36.8	29.4	--
Wensman	W3024R2	0.2	9/3	8	29	3,482	57.4	15.2	36.9	31.0	40.8
Wensman	W3032R2	0.4	9/8	14	29	3,400	56.6	15.7	35.7	31.2	42.8
Wensman	W3062NR2	0.6	9/7	10	28	3,260	56.9	15.4	36.5	34.1	45.6
Mean			9/7	11	29	3,253	57.0	15.8	35.5	34.9	43.7
CV %			1.5	33.6	6.6	5.5	0.9	2.8	2.0	13.2	--
LSD 0.05			2.2	5.3	2.7	249	0.7	0.6	1.0	6.4	--
LSD 0.10			1.9	4.4	2.3	209	0.6	0.5	0.8	5.4	--

Planted: May 21. Harvested: Sept. 22. Previous crop: field pea.

<sup>1</sup>Maturity is date of 95 percent brown or tan pods

**Table 12. 2015 Soybean - Irrigated, Roundup Ready - Carrington - Authors, M. Ostlie, B. Schatz and E. Aberle (Page 1 of 2).**

Company/ Brand	Variety	Mat. Group	Maturity <sup>1</sup> (date)	Pod Ht (cm)	Plant Ht (inch)	Plant Lodge <sup>2</sup> (0-9)	Seeds/ Pound (seeds)	Test Weight (lb/bu)	Seed Oil (%)	Seed Protein (%)	Seed Yield 2015 3-yr. Avg. ----(bu/a)-----	
Bayer	CZ 0767RY	0.7	9/18	8	29	2	2,910	56.7	15.9	36.3	46.0	--
Bayer	CZ 1787 RY	--	9/21	12	33	1	3,416	56.7	15.5	34.5	42.2	--
Dairyland	DST01-000/R2Y	0.1	9/7	9	34	1	3,368	57.4	17.2	34.1	49.6	--
Dairyland	DSR-0305/R2Y	0.3	9/12	7	30	2	3,494	57.1	16.2	35.0	48.5	--
Dairyland	DSR-0404/R2Y	0.4	9/14	8	29	1	3,365	57.6	15.3	35.8	49.3	58.6
Dairyland	DSR-0619/R2Y	0.6	9/16	8	31	3	3,040	57.1	15.5	35.9	48.9	--
Dairyland	DSR-0711/R2Y	0.7	9/16	9	31	1	3,043	57.5	16.4	33.5	50.6	--
Dyna-Gro	S03RY36	0.3	9/12	7	28	1	2,902	57.7	15.4	36.6	48.2	--
Dyna-Gro	S04RY55	0.4	9/13	6	31	1	3,235	57.1	15.7	35.7	46.7	--
Dyna-Gro	S06RY24	0.6	9/15	7	29	1	3,035	57.6	15.2	36.6	48.4	55.1
Innotech	IS0386	0.3	9/8	10	31	2	3,240	58.0	15.6	35.9	40.9	--
Innotech	IS0629	0.6	9/14	6	30	1	3,206	58.7	15.3	35.8	42.9	--
Integra	20215 RR2Y	0.1	9/9	8	29	1	3,343	57.6	16.1	35.0	44.9	--
Integra	20126 RR2Y	0.1	9/9	8	29	1	3,185	57.3	15.9	35.8	45.0	--
Integra	20300 RR2Y	0.3	9/15	8	30	1	3,454	57.4	15.4	35.2	46.8	53.9
Integra	20600 RR2Y	0.6	9/16	8	31	2	3,244	57.4	16.0	34.0	46.8	54.1
Integra	20327 RR2Y	0.3	9/11	7	30	1	2,911	57.9	15.5	36.8	45.2	--
Latham	L0143R2	0.1	9/5	8	31	1	2,918	58.1	15.8	35.0	37.9	--
Latham	L0235R2	0.2	9/12	7	27	2	2,910	57.8	15.6	36.4	45.4	--
Latham	E0354R2	0.3	9/14	8	30	2	3,481	57.5	15.6	34.9	45.5	--
Latham	L0485R2	0.4	9/14	7	31	2	3,457	57.3	15.8	34.8	44.9	--
Latham	E0685R2	0.6	9/16	8	28	2	3,080	57.1	15.3	36.2	45.5	--
Legacy	LS-0134 RR	0.3	9/13	8	26	1	3,064	57.8	16.0	35.1	45.8	--
Legacy	LS-0334 RR	0.3	9/16	8	30	1	3,396	57.3	15.9	35.4	45.9	--
Legacy	LS-0615 RR	0.6	9/16	10	32	2	2,938	57.6	15.7	35.8	44.8	--
Legacy	LS-0635N RR	0.6	9/15	7	32	1	3,049	57.2	15.3	35.8	50.3	--
Legacy	LS-0833N RR	0.8	9/16	10	33	1	3,203	57.8	15.8	35.1	46.0	--
NorthStar	NS 0651NR2	0.6	9/14	8	30	2	3,071	57.4	15.4	35.9	47.4	--
NorthStar	NS 0941NR2	0.9	9/18	8	32	1	3,109	57.5	16.1	33.7	52.9	--
NorthStar	NS 0949R2	0.9	9/17	9	32	1	3,152	57.4	16.3	34.3	50.0	--
NuTech	7063	0.6	9/13	8	30	1	3,565	57.2	16.3	33.7	40.7	46.3
NuTech	6097R2	0.9	9/14	9	29	1	2,986	57.5	17.3	32.9	50.8	--
Peterson	14R02	0.2	9/11	9	30	0	3,237	58.0	15.4	35.6	45.2	52.6
Peterson	15R04	0.4	9/15	9	30	1	3,565	57.6	16.2	34.3	50.1	--
Peterson	16R06N	0.6	9/15	9	30	1	3,022	57.3	15.4	36.0	51.5	--
Prairie	PB-0291R2	0.2	9/11	9	30	1	3,272	57.8	15.3	35.4	49.1	59.2
Prairie	PB-0676R2	0.6	9/16	8	31	1	3,056	57.2	15.4	35.8	49.2	--
Prairie	PB-0777R2	0.7	9/17	8	30	1	3,117	57.7	16.0	34.6	49.6	--
Prairie	PB-0966R2	0.9	9/18	11	31	1	2,929	57.8	15.7	34.2	47.6	--
REA	61G24	0.1	9/11	9	29	1	2,946	57.7	16.2	35.2	44.5	--
REA	R0216	0.2	9/7	9	31	1	3,421	57.6	16.8	34.7	42.8	--
Thunder	36008N	00.8	9/11	7	30	2	3,009	57.2	16.1	35.0	45.6	--
Thunder	Astro	0.0	9/4	8	30	1	3,319	58.0	15.9	34.3	38.7	--
Thunder	3601	0.1	9/6	8	33	2	3,361	57.6	17.1	33.9	44.1	--
Thunder	3503	0.3	9/13	6	29	1	2,965	57.8	15.6	36.4	45.7	--
Thunder	3205	0.5	9/17	8	32	2	3,227	57.3	15.9	33.9	49.2	57.7
Thunder	3505N	0.5	9/15	7	29	1	3,328	57.3	15.8	34.8	48.5	--
Thunder	3606N	0.6	9/16	8	30	2	3,035	57.1	15.2	35.9	50.2	--
Mean			9/13	8	30	1	3,185	57.5	15.8	35.2	46.6	55.0
CV %			2.0	25.8	7.9	63	2.4	0.5	1.8	1.4	7.8	--
LSD 0.05			2.9	2.8	3.3	1	106	0.4	0.4	0.7	5.0	--
LSD 0.10			2.5	2.3	3	1	89	0.4	0.3	0.6	4.2	--

**Table 12. 2015 Soybean - Irrigated, Roundup Ready - Carrington - Authors, M. Ostlie, B. Schatz and E. Aberle (Page 2 of 2).**

Company/ Brand	Variety	Mat. Group	Pod Maturity <sup>1</sup>	Pod Ht	Plant Ht	Plant Lodge <sup>2</sup>	Seeds Pound	Test Weight	Seed Oil	Seed Protein	Seed Yield	
											(cm)	(inch)
Wensman	W30085NR2	00.8	9/9	7	30	2	3,087	57.4	15.8	35.2	43.5	--
Wensman	W3024R2	0.2	9/9	5	28	0	3,441	57.5	15.7	35.2	45.5	55.1
Wensman	W3032R2	0.4	9/14	7	30	1	3,399	57.5	15.7	34.9	46.6	56.3
Wensman	W3062NR2	0.6	9/16	6	28	1	3,098	57.4	15.0	36.7	50.5	56.1
Mean			9/13	8	30	1	3,185	57.5	15.8	35.2	46.6	55.0
CV %			2.0	25.8	7.9	63	2.4	0.5	1.8	1.4	7.8	--
LSD 0.05			2.9	2.8	3.3	1	106	0.4	0.4	0.7	5.0	--
LSD 0.10			2.5	2.3	3	1	89	0.4	0.3	0.6	4.2	--

Planted: May 28. Harvested: Sept. 29. Previous crop: spring wheat.

<sup>1</sup>Maturity is date of 95 percent brown or tan pods.<sup>2</sup>Lodging score: 1-upright, 9-flat on ground.**Table 13. 2015 Soybean - Dryland, Conventional - Carrington - Authors, M. Ostlie, B. Schatz and J. Neilsen.**

Company/ Brand	Variety	Mat. Group	Pod Maturity <sup>1</sup>	Pod Ht	Plant Ht	Plant Lodge <sup>2</sup>	Seeds/ Pound	Test Weight	Seed Oil	Seed Protein	Seed Yield	
											(date)	(cm)
NDSU	Ashtabula	0.4	9/4	16	38	2	3,600	56.3	17.8	32.9	43.2	42.6
NDSU	Cavalier	00.9	8/30	14	36	2	3,267	57.1	16.4	34.8	37.0	37.4
NDSU	ND Henson	0.0	9/1	14	32	1	3,353	57.4	17.3	33.9	40.4	38.4
NDSU	Sheyenne	0.8	9/6	17	41	2	3,380	56.7	17.7	32.1	47.3	41.4
NDSU	Traill	0.0	9/1	10	36	3	3,107	57.6	16.8	34.5	34.9	35.0
Richland	EXP603	0.7	9/15	18	30	4	4,883	56.9	15.2	35.1	43.1	--
Richland	MK0249	0.2	9/3	13	--	2	4,993	56.8	16.5	33.3	42.4	39.3
Richland	MK0508	0.8	9/12	14	25	5	4,851	57.6	15.5	34.9	37.4	37.1
Richland	MK42	0.7	9/9	14	38	3	2,357	56.7	16.0	37.0	40.9	--
Mean			9/5	14	34	3	3,755	57.0	16.6	34.3	40.7	38.7
CV %			2.2	24.6	13.0	50.4	6.0	0.8	3.0	1.8	8.8	--
LSD 0.05			3.3	NS	6.4	1.6	298	0.7	0.7	0.9	5.3	--
LSD 0.10			2.8	NS	5.4	1.4	249	0.5	0.6	0.7	4.4	--

Planted: May 21. Harvested: Sept. 25. Previous crop: oat.

<sup>1</sup>Maturity is date of 95 percent brown or tan pods.**Table 14. 2015 Soybean - Dryland, Liberty Link - Carrington - Authors, M. Ostlie, B. Schatz and J. Neilsen.**

Company/ Brand	Variety	Mat. Group	Pod Maturity <sup>1</sup>	Pod Ht	Plant Ht	Plant Lodge <sup>2</sup>	Seeds/ Pound	Test Weight	Seed Oil	Seed Protein	Seed Yield	
											(date)	(cm)
NorthStar	NS 0571NLL	0.5	9/12	17	29	1	2,669	56.5	18.1	34.2	52.4	--
NorthStar	NS 0801NLL	0.8	9/14	17	30	2	2,582	57.7	15.8	33.8	52.1	--
NuTech	2086L	0.8	9/14	15	29	1	2,784	56.9	17.1	33.9	48.5	--
NuTech	3022L	0.2	9/4	11	29	0	2,865	57.1	18.2	33.5	48.0	--
NuTech	3066L	0.6	9/10	14	29	1	2,582	56.9	17.4	35.6	57.2	--
Peterson	L04-16	0.4	9/13	15	30	1	2,510	56.8	17.8	35.0	49.1	--
Thunder	5205LLN	0.5	9/10	11	30	1	2,731	57.1	17.8	34.2	47.4	45.4
Thunder	5401LL	0.1	9/4	10	30	1	3,157	56.4	17.4	33.8	42.5	--
Mean			9/10	14	29	1	2,735	56.9	17.5	34.3	49.6	45.4
CV %			1.2	25.4	8.6	64.0	3.9	0.5	2.4	2.3	8.6	--
LSD 0.05			2.0	5.1	NS	0.6	157	0.4	0.6	1.1	6.3	--
LSD 0.10			1.6	4.2	NS	0.7	130	0.3	0.5	1.0	5.2	--

Planted: May 21. Harvested: Sept. 28. Previous crop: spring wheat.

<sup>1</sup>Maturity is date of 95 percent brown or tan pods.<sup>2</sup>Lodging score: 1-upright, 9-flat on ground.

**Table 15. 2015 Soybean - Irrigated, Liberty Link - Carrington - Authors, M. Ostlie, B. Schatz and E. Aberle.**

Company/ Brand	Variety	Mat. Group	Maturity <sup>1</sup> (date)	Pod		Seeds/ Pound (seeds)	Test Weight (lb/bu)	Seed Oil (%)	Seed Protein (%)	Seed Yield
				Ht (cm)	Plant Ht (inch)					2015 (bu/a)
Bayer	CZ 0121LL	0.1	9/5	11	33	3,041	56.4	16.4	35	40.0
Bayer	CZ 0525LL	0.5	9/16	13	31	2,980	56.5	16.2	36.8	52.5
Bayer	CZ 0848LL	0.8	9/17	12	31	2,986	57.3	15.6	35.9	53.5
Bayer	CZ 1332LL	1.3	9/19	17	31	2,634	57.7	15.1	36.6	54.4
Bayer	CZ 1623LL	1.6	9/26	24	36	2,854	57.9	15.8	35.1	44.7
Bayer	CZ 1845 LL	1.8	9/27	19	33	3,674	57.9	15.8	35.5	48.6
NuTech	2086L	0.8	9/21	15	30	2,916	57.5	15.7	35.7	48.1
NuTech	3022L	0.2	9/9	13	30	3,247	57.1	16.7	35.6	45.8
NuTech	3066L	0.6	9/16	12	30	3,058	56.9	16	37.3	49.9
Thunder	5205LLN	0.5	9/16	13	34	2,935	57.1	16.4	35.3	54.2
Thunder	5401LL	0.1	9/4	11	32	3,042	56.5	16.5	35.2	37.4
Mean			9/16	14	32	3,033	57.1	16.0	35.8	48.1
CV %			1.3	21.2	4.4	3.3	0.8	1.4	1.2	8.1
LSD 0.05			2.1	4.4	2.0	147	0.7	0.26	0.53	5.6
LSD 0.10			1.7	3.7	1.7	122	0.6	0.31	0.64	4.7

Planted: May 28. Harvested: Oct. 13. Previous crop: spring wheat.

<sup>1</sup>Maturity is date of 95 percent brown or tan pods.**Table 16. 2015 Soybean - Irrigated, Conventional - Carrington - Authors, M. Ostlie, B. Schatz and E. Aberle.**

Company/ Brand	Variety	Mat. Group	Maturity <sup>1</sup> (date)	Pod		Plant Lodge <sup>2</sup> (0-9)	Test Weight (lb/bu)	Seed Oil (%)	Seed Protein (%)	Seed Yield	
				Ht (cm)	Plant Ht (inch)					2015 (bu/a)	3-Yr Avg.
NDSU	Ashtabula	0.4	9/7	7	31	1.0	57.6	17.1	34.0	35.2	49.1
NDSU	Cavalier	00.9	9/3	7	27	1.0	58.6	15.6	36.0	31.2	45.4
NDSU	ND Henson	0.0	9/4	7	27	0.8	58.8	15.8	37.5	31.1	44.4
NDSU	Sheyenne	0.8	9/14	9	35	1.3	57.9	16.4	34.4	39.4	50.4
NDSU	Traill	00.0	9/5	5	30	1.5	58.6	16.1	36.2	32.2	45.9
Mean			9/9	7	31	1.2	58.3	16.2	35.6	33.8	47.0
CV %			1.6	18.5	4.7	37.6	0.5	2	1.6	10.0	--
LSD 0.05			2.4	1.8	2.1	0.6	0.4	0.5	0.8	5.1	--
LSD 0.10			2.0	1.5	1.7	0.5	0.3	0.4	0.7	4.3	--

Planted: May 28. Harvested: Sept. 30. Previous crop: spring wheat.

<sup>1</sup>Maturity is date of 95 percent brown or tan pods.<sup>2</sup>Lodging score: 1-upright, 9-flat on ground.



**Table 17. 2015 Soybean - Dryland, Roundup Ready - Dazey (Carrington REC) - Authors, M. Ostlie, B. Schatz and T. Indergaard (Page 1 of 2).**

Company/ Brand	Variety	Mat. Group	Pod Ht (cm)	Plant Ht (inch)	Maturity <sup>1</sup> (date)	Seeds/ Pound (seeds)	Test Weight (lb/bu)	Seed Oil (%)	Seed Protein (%)	2015	2-yr. Avg.	3-yr. Avg.
										---(bu/a)---		
Bayer	CZ 0767RY	0.7	8	33	9/14	2,998	57.2	16.3	35.6	51.8	--	--
Bayer	CZ 1787 RY	1.7	12	35	9/22	3,452	56.8	16.0	33.3	50.6	--	--
Dairyland	DSR-0619/R2Y	0.6	8	32	9/13	3,147	57.1	15.9	35.4	52.3	--	--
Dairyland	DSR-0711/R2Y	0.7	7	32	9/14	3,185	57.5	16.7	32.8	48.4	47.8	--
Dairyland	DSR-0904/R2Y	0.9	7	33	9/15	3,267	56.9	16.4	33.6	55.4	59.0	56.7
Dyna-Gro	S07RY45	0.7	8	34	9/15	3,450	57.1	16.4	33.3	58.1	58.7	--
Dyna-Gro	S08RY76	0.8	8	34	9/15	3,022	57.9	16.5	33.0	56.6	--	--
Dyna-Gro	S09RY64	0.9	8	36	9/16	3,378	57.1	16.1	33.4	54.2	57.7	56.0
Integra	20600	0.6	9	34	9/13	3,432	57.4	16.4	33.5	51.5	55.8	--
Integra	20617N	0.6	9	34	9/14	3,231	57.1	15.6	35.7	52.8	--	--
Integra	20775N	0.7	8	33	9/14	3,483	56.8	16.0	33.4	55.5	--	--
Integra	20815N	0.8	8	34	9/15	3,292	57.2	16.5	33.8	54.8	57.1	57.4
Integra	20915N	0.9	8	32	9/16	3,478	57.1	16.3	32.9	53.3	57.3	--
Legacy	LS-0334 RR	0.3	7	32	9/12	3,643	57.7	15.8	35.2	52.6	--	--
Legacy	LS-0615 RR	0.6	9	34	9/13	3,066	57.3	16.1	35.1	53.5	--	--
Legacy	LS-0635N RR	0.6	7	33	9/13	3,144	57.2	15.9	35.1	51.1	--	--
Legacy	LS-0833N RR	0.8	7	35	9/15	3,280	57.5	16.6	33.6	53.6	54.6	--
Legacy	LS-0935N RR	0.9	8	35	9/16	3,047	57.5	16.3	33.2	56.4	--	--
Mycogen	5B040R2	0.4	7	32	9/11	3,578	57.4	15.4	34.9	50.7	52.9	53.1
Mycogen	5N050R2	0.5	7	33	9/12	3,476	56.9	15.8	34.4	54.6	--	--
Mycogen	5B066R2	0.6	9	34	9/12	3,253	57.2	16.6	33.3	52.0	55.7	55.7
Mycogen	X55067NR2	0.6	8	32	9/13	3,188	56.7	15.6	35.4	50.8	--	--
NorthStar	NS 0480NR2	0.4	7	33	9/12	3,329	57.1	16.0	34.5	51.6	--	--
NorthStar	NS 0651NR2	0.6	6	33	9/13	3,261	57.2	15.9	34.9	50.9	--	--
NorthStar	NS 0839NR2	0.8	7	35	9/15	3,235	57.6	16.6	33.5	55.1	--	--
NorthStar	NS 0941NR2	0.9	8	36	9/15	3,205	57.1	16.6	33.1	58.4	--	--
NuTech	7063	0.6	8	31	9/11	3,707	57.3	15.9	33.8	45.7	49.7	47.4
NuTech	6097R2	0.9	8	32	9/13	2,973	57.0	17.5	32.4	54.5	--	--
Peterson	15R04	0.4	9	32	9/11	3,742	57.7	16.2	33.9	50.6	54.3	--
Peterson	16R06N	0.6	7	32	9/12	3,203	56.8	15.9	34.9	53.2	--	--
Peterson	15R07N	0.7	8	33	9/14	3,481	56.4	16.3	33.4	56.5	57.1	--
Peterson	16R09N	0.9	8	32	9/15	3,014	57.1	16.6	32.7	57.8	--	--
Prairie	PB-0441R2	0.4	8	33	9/12	3,694	57.2	15.6	34.7	49.8	52.8	51.6
Prairie	PB-0676R2	0.6	9	33	9/13	3,181	57.0	15.6	35.5	52.6	--	--
Prairie	PB-0966R2	0.6	8	35	9/16	2,996	57.2	16.4	33.0	55.7	--	--
Prairie	PB-0777R2	0.7	9	35	9/15	3,281	57.4	16.5	33.6	56.6	56.7	53.8
Prairie	X14033R2	--	8	30	9/10	2,950	57.1	15.9	35.8	49.6	--	--
Proseed	P2 11-50	0.5	11	36	9/12	3,452	56.8	16.0	34.1	51.1	55.2	54.0
Proseed	PX506	0.6	8	32	9/13	3,140	57.0	16.3	35.2	53.1	--	--
Proseed	30-80	0.8	8	36	9/15	3,305	57.3	16.2	34.2	55.4	58.0	--
Proseed	PX 509N	0.9	9	34	9/15	3,167	57.1	16.2	33.7	54.4	--	--
REA	64G94	0.4	9	33	9/12	3,217	57.5	16.9	33.4	51.4	50.6	--
REA	R0815	0.8	8	34	9/15	3,469	57.1	16.5	33.2	57.5	58.9	--
Mean			8	33	9/14	3,303	57.1	16.2	34.1	53.3	55.1	53.9
CV %			23.1	5.6	0.7	2.8	0.8	2.0	1.6	6.2	--	--
LSD 0.05			NS	2.6	1	109	0.6	0.4	0.6	4.6	--	--
LSD 0.10			NS	2.2	0.8	129	0.5	0.5	0.7	3.9	--	--

**Table 17. 2015 Soybean - Dryland, Roundup Ready - Dazey (Carrington REC) - Authors, M. Ostlie, B. Schatz and T. Indergaard (Page 2 of 2).**

Company/ Brand	Variety	Mat. Group	Pod Ht (cm)	Plant Ht (inch)	Maturity <sup>1</sup> (date)	Seeds/ Pound (seeds)	Test Weight (lb/bu)	Seed Oil (%)	Seed Protein (%)	2015	2-yr. Avg.	3-yr. Avg.
										---(bu/a)---		
Thunder	3205	0.5	9	36	9/13	3,382	57.0	15.9	34.1	52.6	54.9	54.2
Thunder	3505N	0.5	8	33	9/12	3,475	57.1	15.9	34.6	49.8	--	--
Thunder	3606N	0.6	7	33	9/14	3,164	56.9	15.8	35.3	54.8	55.0	--
Thunder	3609	0.9	7	32	9/11	3,526	57.1	15.6	34.5	52.7	--	--
Wensman	W3062NR2	0.6	7	32	9/12	3,382	57.1	15.9	35.2	51.3	52.1	52.3
Wensman	W3072NR2	0.7	7	31	9/13	3,192	57.1	15.8	35.0	52.3	--	--
Wensman	W3080NR2	0.8	8	34	9/15	3,517	57.2	16.2	33.5	55.5	56.3	--
Wensman	W3090NR2	0.8	7	34	9/15	3,315	56.9	16.4	33.6	55.9	54.8	54.8
Mean			8	33	9/14	3,303	57.1	16.2	34.1	53.3	55.1	53.9
CV %			23.1	5.6	0.7	2.8	0.8	2.0	1.6	6.2	--	--
LSD 0.05			NS	2.6	1.0	109.0	0.6	0.4	0.6	4.6	--	--
LSD 0.10			NS	2.2	0.8	129	0.5	0.5	0.7	3.9	--	--

Planted: June 1. Harvested: Oct. 2. Previous crop: spring wheat.

<sup>1</sup>Maturity is date of 95 percent brown or tan pods.**Table 18. 2015 Soybean - Irrigated, Liberty Link - Oakes (Carrington REC) - Authors, B. Schatz, L. Besemann and T. Indergaard.**

Company/ Brand	Variety	Mat. Group	Maturity <sup>1</sup> (date)	Plant Lodge <sup>2</sup> (0-9)	Plant Height (inch)	Seeds/ Pound (seeds)	Test Weight (lb/bu)	Seed Oil (%)	Seed Protein (%)	Seed Yield 2015
										(bu/a)
Bayer	CZ 0121LL	0.1	9/15	0	31	2,395	55.8	19.4	33.4	67.1
Bayer	CZ 0525LL	0.5	9/15	1	36	2,333	56.4	19.3	34.6	74.5
Bayer	CZ 0848LL	0.8	9/17	0	41	2,456	56.6	18.9	34.6	71.9
Bayer	CZ 1332LL	1.3	9/20	1	41	2,232	57.2	18.2	35.0	83.3
Bayer	CZ 1623LL	1.6	9/23	2	40	2,803	57.5	18.1	35.5	69.9
Bayer	CZ 1845 LL	1.8	9/28	6	33	3,170	56.3	18.4	34.6	71.6
NuTech	2086L	0.8	9/17	0	41	2,556	56.5	19.0	34.3	73.6
NuTech	3103L	1.0	9/22	3	35	2,459	56.3	19.1	34.5	74.5
NuTech	3126L	1.2	9/21	1	43	2,184	56.9	18.2	35.1	83.7
Thunder	5411LLN	1.1	9/21	3	31	2,394	56.1	19.1	34.5	73.7
Mean			9/19	--	37	2,498	56.6	18.8	35	74.4
CV %			--	--	5.1	4.0	0.9	1.0	1.0	4.3
LSD 0.05			--	--	2.7	144	0.7	0.2	0.4	4.7
LSD 0.10			--	--	2.2	119	0.6	0.3	0.5	3.9

Planted: May 20. Harvested: Oct. 8. Previous crop: field corn.

<sup>1</sup>Maturity is date of 95 percent brown or tan pods.<sup>2</sup>Lodging score: 0-upright, 9-flat on ground.

**Table 19. 2015 Soybean - Dryland, Conventional and Liberty Link - Dazey (Carrington REC) - Authors, M. Ostlie, B. Schatz and T. Indergaard.**

Company/ Brand	Variety	Mat. Group	Maturity <sup>1</sup> (date)	Pod Ht (cm)	Plant Ht (inch)	Seeds/ Pound (seeds)	Test Weight (lb/bu)	Seed Oil (%)	Seed Protein (%)	Seed Yield	
										2015	3-yr. Avg. (bu/a)
<b>Conventional</b>											
NDSU	Ashtabula	0.4	9/6	7	33	3,762	57.5	17.5	32.4	47.2	43.5
NDSU	Cavalier	00.9	8/31	7	33	3,228	58.1	16.3	33.6	41.1	38.6
NDSU	Henson	0.0	9/4	6	28	3,520	58.3	16.6	34.5	44.6	42.3
NDSU	Sheyenne	0.8	9/11	7	34	3,747	57.9	16.5	33.1	52.0	48.7
NDSU	Traill	00.0	9/2	7	31	3,332	58.2	16.0	35.3	40.7	37.9
Richland	MK0249	0.2	9/10	6	30	5,382	58.0	15.2	34.8	45.5	41.3
Richland	MK0508	0.8	9/14	8	34	6,258	58.6	14.2	35.3	43.4	41.9
Richland	MK1016	1.0	9/13	6	37	6,321	57.8	14.8	35.2	46.6	40.8
Richland	MK42	0.7	9/12	6	32	2,901	57.7	14.7	37.7	44.6	--
Richland	MK9101	1.1	9/14	8	34	2,653	57.1	16.1	35.5	43.3	--
<b>Liberty Link</b>											
Bayer	CZ 0121LL	0.1	9/3	7	33	3,181	57.0	17.0	33.3	42.1	--
Bayer	CZ 0525LL	0.5	9/13	8	31	3,090	57.3	16.6	35.4	51.7	--
Bayer	CZ 0848LL	0.8	9/17	7	32	3,130	57.1	15.8	34.8	50.6	--
Bayer	CZ 1332LL	1.3	9/17	9	31	2,739	57.3	15.6	34.7	59.0	--
Bayer	CZ 1623LL	1.6	9/22	23	36	2,975	57.5	16.0	34.8	49.7	--
Bayer	CZ 1845 LL	1.8	9/20	16	33	3,783	57.3	16.5	34.9	49.2	--
NorthStar	NS0571NLL	0.5	9/11	8	29	3,052	57.4	16.6	35.5	48.7	--
NorthStar	NS0801NLL	0.8	9/13	6	31	3,067	57.8	15.8	33.5	51.0	--
NuTech	2086L	0.8	9/16	8	32	3,121	57.9	16.0	34.7	53.1	--
NuTech	3066L	0.6	9/13	8	30	3,048	57.5	16.4	36.0	48.5	--
Thunder	5205LLN	0.5	9/12	6	34	3,214	57.9	16.6	34.1	51.2	--
Mean			9/10	8	32	3,596	57.6	16.0	34.7	47.8	41.9
CV %			1.2	18.3	5.5	3.9	0.6	1.7	1.4	5.9	--
LSD 0.05			1.7	1.9	2.5	198	0.5	0.3	0.6	3.9	--
LSD 0.10			1.4	1.6	2.1	166	0.4	0.4	0.7	3.3	--

Planted: June 1. Harvested: Oct. 2. Previous crop: spring wheat.

<sup>1</sup>Maturity is date of 95 percent brown or tan pods.

**Table 20. 2015 Soybean - Dryland, Conventional, Organic - Carrington - Authors, S. Zwinger and S. Schaubert.**

Company/ Brand	Variety	Mat. Group	Maturity <sup>1</sup> (date)	Plant Lodge <sup>1</sup> (0-9)	Pod Height (cm)	Plant Height (inch)	Seeds/ Pound (seeds)	Test Weight (lb/bu)	Seed Yield	
									2015	3-Yr. Avg. (bu/a)
NDSU	Ashtabula	0.4	9/3	1.0	6	25	4,115	57.7	24.5	29.6
NDSU	Cavalier	00.9	8/26	0.5	7	22	4,079	58.0	20.6	25.3
NDSU	ND Henson	0.0	9/1	0.8	10	22	4,120	58.6	22.9	--
NDSU	ProSoy	0.8	9/14	2.3	12	29	3,111	57.9	27.9	--
NDSU	Sheyenne	0.8	9/10	0.3	8	24	3,648	58.0	24.5	27.8
NDSU	Traill	00.0	8/30	1.3	7	23	3,901	58.7	18.7	23.5
Mean			9/3	1.0	8	24	3,829	58.1	23.2	26.5
CV %			1.7	90.3	29.1	8.4	5.8	0.7	15.1	--
LSD 0.05			2.6	0.9	3.3	2.9	320.0	0.6	5.0	--
LSD 0.10			2.1	0.8	2.8	2.4	266	0.5	4.1	--

Planted: May 21. Harvested: Sept. 25. Previous crop: spring wheat.

<sup>1</sup>Lodging score: 0-upright, 9-flat on ground.

**Table 21. 2015 Soybean - Dryland, Roundup Ready - LaMoure (Carrington REC) - Authors, T. Helms and B. Schatz (Page 1 of 2).**

Company/ Brand	Variety	Maturity		Seed Oil (%)	Seed Protein (%)	2015	2-yr. Avg.	3-yr. Avg.
		Group	Maturity <sup>1</sup> (date)					
Bayer	CZ 0767RY	0.7	9/19	19.4	34.2	46.1	--	--
Bayer	CZ 1787 RY	1.7	9/25	18.7	33.1	45.5	--	--
Dairyland	DSR-0711/R2Y	0.7	9/21	19.5	33.1	47.0	52.9	--
Dairyland	DSR-0904/R2Y	0.9	9/18	19.4	33.3	42.6	57.6	46.5
Dairyland	DSR-1120/R2Y	1.1	9/23	18.9	33.2	44.6	56.8	46.6
Dyna-Gro	S07RY45	0.7	9/19	19.0	32.3	45.8	61.6	--
Dyna-Gro	S08RY76	0.8	9/20	19.3	33.2	45.0	--	--
Dyna-Gro	S09RY64	0.9	9/21	19.3	32.1	50.4	64.3	52.2
Integra	21115N	1.1	9/22	18.7	34.7	44.6	58.0	--
Legacy	LS-0833N RR	0.8	9/18	19.2	33.6	44.0	59.0	--
Legacy	LS-0935N RR	0.9	9/21	18.6	33.4	47.5	--	--
Legacy	LS-1134N RR	1.1	9/22	19.1	34.1	47.2	62.3	--
Legacy	LS-1335N RR	1.3	9/20	19.5	33.4	47.1	--	--
Legend	LS 08R22N	0.8	9/18	19.1	34.1	45.1	--	--
Legend	LS 09R23N	0.9	9/20	18.9	33.0	43.7	--	--
Legend	LS 09R606N	0.9	9/21	18.8	33.1	45.4	--	--
Legend	LS 10R551N	1.0	9/22	19.3	34.4	47.8	--	--
Legend	LS 12R24N	1.2	9/21	19.4	33.1	45.3	--	--
Mustang	9626	--	9/20	19.4	33.0	44.6	--	--
Mustang	12224	--	9/23	19.0	35.2	46.6	--	--
Mycogen	5B066R2	0.6	9/18	19.5	32.8	44.5	51.7	43.5
Mycogen	X55082R2	0.8	9/18	19.4	34.2	42.7	--	--
Mycogen	5N091R2	0.9	9/18	19.2	33.0	42.4	--	--
Mycogen	X55105NR2	1.1	9/20	18.9	33.5	43.7	--	--
NorthStar	NS 0839NR2	0.8	9/19	19.3	33.1	42.1	--	--
NorthStar	NS 0941NR2	0.9	9/20	19.2	34.4	47.7	--	--
NorthStar	NS 1040NR2	1.0	9/24	19.8	33.1	48.3	--	--
NuTech	7063 G2	0.6	9/14	20.7	32.2	35.4	42.9	36.6
NuTech	6097R2 G2	0.9	9/19	20.4	31.8	48.1	--	--
NuTech	7104 G2	1.0	9/22	20.3	34.1	42.3	53.9	--
NuTech	7138 G2	1.3	9/25	18.9	33.8	48.6	--	--
Peterson	15R07N	0.7	9/23	18.7	34.0	47.3	66.1	--
Peterson	16R09N	0.9	9/21	18.8	33.4	44.7	--	--
Peterson	16R10	1.0	9/19	19.6	32.8	45.0	--	--
Peterson	14R11N	1.1	9/19	19.3	34.5	43.7	59.4	46.8
Prairie	PB-0676R2	0.6	9/20	18.3	36.0	48.7	--	--
Prairie	PB-0863R2	0.8	9/18	19.4	34.1	41.1	--	--
Prairie	PB-0966R2	0.9	9/20	19.2	33.1	42.8	--	--
Prairie	PB-1147R2	1.1	9/23	19.3	34.5	49.1	--	--
Proseed	P2 11-50	0.5	9/16	19.1	33.4	45.2	61.2	49.3
Proseed	30-80	0.8	9/19	18.9	33.7	44.8	56.7	--
Proseed	PX 509N	0.9	9/17	19.6	33.2	43.4	--	--
REA	R0815	0.8	9/18	19.3	33.7	43.4	56.8	--
Thunder	3606N	0.6	9/19	18.6	35.5	50.5	--	--
Thunder	3609	0.9	9/19	19.4	33.1	46.4	--	--
Thunder	3511N	1.1	9/21	19.5	33.4	51.0	56.1	--
Wensman	W3062NR2	0.6	9/16	18.5	35.3	45.3	56.3	46.1
Wensman	W3072NR2	0.7	9/18	18.2	35.8	48.1	--	--
Mean			9/20	19.2	33.6	45.3	57.7	46.3
CV %			3.3	--	--	10.0	--	--
LSD 0.05			2.7	--	--	NS	--	--
LSD 0.10			2.2	--	--	NS	--	--

**Table 21. 2015 Soybean - Dryland, Roundup Ready - LaMoure (Carrington REC) - Authors, T. Helms and B. Schatz (Page 2 of 2).**

Company/ Brand	Variety	Maturity		Seed	Seed	Seed Yield		
		Group	Maturity <sup>1</sup> (date)	Oil (%)	Protein (%)	2015	2-yr. Avg. ----- (bu/a) -----	3-yr. Avg.
Wensman	W3080NR2	0.8	9/18	19.2	33.6	49.0	59.1	--
Wensman	W3090NR2	0.8	9/20	19.7	33.0	41.6	60.3	49.2
Wensman	W3100NR2	1.0	9/19	19.1	33.5	41.1	--	--
Mean			9/20	19.2	33.6	45.3	57.7	46.3
CV %			3.3	--	--	10.0	--	--
LSD 0.05			2.7	--	--	NS	--	--
LSD 0.10			2.2	--	--	NS	--	--

Planted: May 23. Previous crop: wheat.

<sup>1</sup>Maturity is date of 95 percent brown or tan pods.**Table 22. 2015 Soybean - Dryland, Conventional and Liberty Link - LaMoure (Carrington REC) - Authors, T. Helms and B. Schatz.**

Company/ Brand	Variety	Maturity		Seed	Seed	Seed Yield	
		Group	Maturity <sup>1</sup> (date)	Oil (%)	Protein (%)	2015	3-yr. Avg. ----- (bu/a) -----
Bayer	CZ 0121LL	0.1	9/12	19.6	33.7	34.2	--
Bayer	CZ 0525LL	0.5	9/17	20.0	34.2	42.5	--
Bayer	CZ 0848LL	0.8	9/21	18.6	34.6	41.9	--
Bayer	CZ 1332LL	1.3	9/24	17.9	35.5	46.8	--
Bayer	CZ 1623LL	1.6	9/25	18.3	34.4	46.1	--
Bayer	CZ 1845 LL	1.8	9/23	19.4	34.0	44.3	--
NDSU	Ashtabula	0.4	9/12	21.1	31.4	36.7	39.4
NDSU	Sheyenne	0.8	9/17	19.8	33.0	40.5	45.1
NDSU	ProSoy	0.8	9/19	18.5	36.1	34.3	37.9
NDSU	ND1406HP	0.6	9/15	17.5	37.0	27.1	35.2
NuTech	3066L	0.6	9/17	20.3	34.3	46.4	--
NuTech	2086L	0.8	9/20	18.8	34.1	39.1	--
Richland	MK42	0.7	9/16	17.7	36.5	34.7	--
Richland	EXP603	0.7	9/16	16.4	34.7	36.9	--
Richland	MK0508	0.8	9/18	17.2	34.3	35.1	32.2
Richland	MK1016	1.0	9/16	18.1	34.8	33.3	36.9
Richland	MK9101	1.1	9/21	--	--	35.4	38.6
Richland	MK41	1.4	9/25	16.5	37.0	37.4	--
Thunder	5411LLN	1.1	9/20	18.9	35.3	38.6	--
Mean			9/19	19.0	34.6	38.7	37.9
CV %			2.9	--	--	9.1	--
LSD 0.05			2.4	--	--	5.8	--
LSD 0.10			2.0	--	--	4.9	--

Planted: May 23. Previous crop: wheat.

<sup>1</sup>Maturity is date of 95 percent brown or tan pods.

**Table 23. 2015 Soybean - Dryland, Roundup Ready - Wishek (Carrington REC) - Authors, M. Ostlie, B. Schatz and T. Indergaard.**

Company/ Brand	Variety	Maturity Group	Maturity <sup>1</sup> (date)	Pod Ht (cm)	Plant Ht (inch)	Plant Lodge <sup>2</sup> (0-9)	Seeds/ Pound (seeds)	Test Weight (lb/bu)	Seed Oil (%)	Seed Protein (%)	Seed Yield ----- (bu/a) -----	3-yr. Avg.
Channel	0507R2	0.5	9/12	9	32	0.0	3,105	56.7	15.5	36.9	53.8	--
Channel	0709R2	0.7	9/16	15	34	0.0	3,049	56.4	15.3	35.4	53.9	--
Channel	0807R2	0.8	9/16	8	30	0.0	2,768	56.9	16.1	35.2	53.1	--
Channel	1108R2	1.1	9/16	9	31	0.7	2,820	57.5	16.5	35.7	47.7	--
Integra	20600 RR2Y	0.6	9/14	9	29	0.7	2,843	56.8	15.7	35.7	49.3	46.9
Integra	20617N RR2Y	0.6	9/14	9	29	0.0	2,607	57.0	15.4	36.5	52.3	--
Integra	20775N RR2Y	0.7	9/14	6	31	0.0	2,713	57.2	16.0	35.8	45.1	--
Integra	20815N RR2Y	0.8	9/16	11	31	0.3	2,639	57.4	16.0	35.7	50.3	45.7
Legacy	LS-0615 RR	0.6	9/15	10	29	0.7	2,587	57.1	15.7	36.5	51.4	--
Legacy	LS-0635N RR	0.6	9/14	12	33	0.3	2,781	56.6	15.5	36.8	58.1	--
Legacy	LS-0833N RR	0.8	9/16	10	31	0.3	2,497	57.4	15.7	36.2	46.8	--
Legacy	LS-0935N RR	0.9	9/17	7	31	0.0	2,895	56.9	15.9	34.8	57.5	--
Legacy	LS-1134N RR	1.1	9/16	9	32	0.7	2,719	57.0	16.1	36.2	47.6	--
Legacy	LS-1335N RR	1.3	9/17	9	31	0.0	2,585	57.1	16.5	35.1	55.9	--
Mycogen	5N050R2	0.5	9/11	10	30	0.3	2,897	56.5	16.1	35.9	46.6	--
Mycogen	5B066R2	0.6	9/13	8	28	0.3	2,682	57.1	15.6	35.6	48.3	45.0
Mycogen	X55067NR2	0.6	9/14	9	32	0.3	2,954	56.7	15.6	36.7	57.7	--
Mycogen	5N091R2	0.9	9/16	10	32	0.3	2,899	57.0	16.2	35.2	63.3	52.3
NorthStar	NS 0839NR2	0.8	9/15	9	32	0.3	2,990	57.5	16.6	34.9	51.7	--
NorthStar	NS 0941NR2	0.9	9/16	8	31	0.0	2,764	57.1	16.2	35.0	51.8	--
NorthStar	NS 0949R2	0.9	9/16	7	29	0.0	2,933	57.1	16.0	36.1	45.4	--
NorthStar	NS 1040NR2	1.0	9/15	9	31	0.7	2,910	57.3	16.2	35.8	44.4	--
NuTech	6097R2	0.9	9/12	9	28	0.3	3,021	56.8	17.8	33.5	47.2	--
NuTech	7104	1.0	9/17	11	32	0.3	2,811	56.7	16.4	36.7	53.7	--
NuTech	7138	1.3	9/18	13	34	0.3	2,756	57.5	16.1	35.7	54.5	--
Peterson	16R06N	0.6	9/15	7	28	0.3	2,749	57.1	15.6	37.0	43.2	--
Peterson	15R07N	0.7	9/14	9	29	0.0	2,758	57.0	16.3	34.6	49.4	--
Proseed	P2 11-50	0.5	9/14	10	33	0.0	2,972	57.0	15.6	35.6	50.7	46.8
Proseed	PX506	0.6	9/13	8	29	0.0	2,919	56.7	15.5	36.6	45.7	--
Proseed	30-80	0.8	9/16	7	30	0.0	2,870	57.2	15.7	36.2	47.6	--
REA	66G14	0.6	9/13	9	30	0.0	2,768	56.8	15.6	36.1	53.2	42.6
REA	R0815	0.8	9/14	9	32	0.0	2,785	56.9	16.2	34.6	59.0	--
REA	69G14	0.9	9/15	9	34	0.0	2,951	56.9	16.3	34.5	59.8	49.1
Thunder	3408N	0.8	9/15	8	32	0.0	2,894	57.2	16.2	35.7	55.3	--
Thunder	3511N	1.1	9/16	10	32	0.3	3,131	57.2	16.2	35.7	46.5	--
Wensman	W3062NR2	0.6	9/13	10	29	0.7	3,022	56.9	14.9	37.8	41.5	44.6
Wensman	W3072NR2	0.7	9/15	11	29	0.3	2,817	56.9	14.9	37.4	53.4	--
Wensman	W3080NR2	0.8	9/15	8	31	0.0	2,980	57.3	15.8	35.9	54.3	--
Wensman	W3090NR2	0.8	9/15	9	33	0.0	2,777	56.7	16.1	35.5	54.3	47.3
Wensman	W3100NR2	1.0	9/16	9	32	0.0	2,593	57.2	16.0	34.9	54.4	--
Wensman	W3121NR2	1.2	9/17	9	30	0.0	2,639	56.9	16.1	36.5	53.7	46.0
Mean			9/15	9	31	0.2	2,826	57	15.9	35.8	51.4	46.6
CV %			1.1	28	14.8	201	3.1	0.8	2.6	2.2	13.5	--
LSD 0.05			1.6	3.5	NS	NS	122	0.6	0.6	1.1	9.7	--
LSD 0.10			1.4	3	NS	NS	102	0.5	0.5	0.9	8.2	--

Planted: May 29. Harvested: Oct. 6. Previous crop: spring wheat.

<sup>1</sup>Maturity is date of 95 percent brown or tan pods.<sup>2</sup>Lodging score: 1-upright, 9-flat on ground.



**Table 24. 2015 Soybean - Irrigated, Roundup Ready - Oakes (Carrington REC) - Authors, B. Schatz, L. Besemann and T. Indergaard (Page 1 of 2).**

Company/ Brand	Variety	Maturity		Plant Height	Plant Lodge <sup>2</sup>	Seeds/ Pound	Test Weight	Seed Oil	Seed Protein	Seed Yield	
		Group	Maturity <sup>1</sup> (date)							2015	3-yr. Avg.
Bayer	CZ 0767RY	0.7	9/14	39	0	2,229	55.0	19.3	34.5	72.5	--
Bayer	CZ 1787 RY	1.7	9/21	42	1	2,780	56.1	18.6	34.1	77.0	--
Dairyland	DSR-0619/R2Y	0.6	9/14	30	1	2,300	54.0	18.2	35.6	72.9	--
Dairyland	DSR-0711/R2Y	0.7	9/15	39	0	2,374	56.1	19.6	32.6	74.9	--
Dairyland	DSR-0904/R2Y	0.9	9/14	40	0	2,474	55.4	19.2	33.7	76.5	73.7
Dairyland	DSR-1120/R2Y	1.1	9/20	37	1	2,197	55.5	20.0	33.2	76.2	72.3
Dairyland	DSR-1340/R2Y	1.3	9/19	40	2	2,460	56.1	18.7	33.6	75.7	--
Dyna-Gro	S08RY76	0.8	9/16	35	1	2,376	56.1	19.1	33.2	80.4	--
Dyna-Gro	S09RY64	0.9	9/19	35	1	2,630	55.9	18.8	33.4	80.5	74.2
Dyna-Gro	S12RY44	1.2	9/16	37	0	2,474	55.9	18.9	34.2	78.7	72.9
Integra	20815N	0.8	9/16	34	1	2,453	55.9	19.0	33.5	78.9	--
Integra	20915N	0.9	9/19	37	1	2,609	55.3	18.9	33.5	82.4	--
Legacy	LS-0833N RR	0.8	9/16	35	1	2,466	55.2	19.0	33.5	77.6	--
Legacy	LS-0935N RR	0.9	9/18	33	2	2,338	55.7	19.1	33.4	79.2	--
Legacy	LS-1134N RR	1.1	9/20	29	3	2,460	55.4	19.5	33.8	75.0	--
Legacy	LS-1335N RR	1.3	9/19	38	1	2,467	56.1	19.4	33.4	84.3	--
Mustang	9626	--	9/15	34	1	2,449	55.8	19.3	33.2	81.2	--
Mustang	12224	--	9/19	37	1	2,388	55.5	19.2	34.4	78.0	--
NorthStar	NS 0839NR2	0.8	9/16	37	1	2,513	55.6	19.1	33.6	79.6	--
NorthStar	NS 0941NR2	0.9	9/15	36	1	2,476	55.4	19.3	33.1	77.7	--
NorthStar	NS 0949R2	0.9	9/16	39	1	2,382	55.5	19.0	34.3	72.0	--
NorthStar	NS 1040NR2	1.0	9/21	29	5	2,474	55.4	19.5	33.8	77.1	--
NorthStar	NS 1390NR2	1.3	9/20	37	1	2,240	55.3	19.0	34.7	82.3	--
NuTech	6097R2	0.9	9/17	34	2	2,148	55.9	20.6	30.9	74.5	--
NuTech	7104	1.0	9/15	37	1	2,247	55.4	20.2	33.9	76.4	--
NuTech	7138	1.3	9/20	40	1	2,556	56.4	19.1	34.1	73.5	--
Peterson	14R11N	1.1	9/16	38	0	2,504	55.5	18.9	34.2	76.7	--
Peterson	14R13	1.3	9/15	43	0	2,185	55.6	18.9	34.4	74.0	--
Prairie	PB-0777R2	0.7	9/15	35	1	2,450	56.0	19.1	33.6	78.8	--
Prairie	PB-0966R2	0.9	9/17	36	1	2,363	55.7	19.1	33.5	82.2	--
Prairie	PB-1234R2	1.2	9/21	38	1	2,295	55.7	19.2	34.5	76.7	--
Proseed	30-80	0.8	9/15	34	1	2,514	55.4	19.1	33.5	77.1	--
Proseed	PX 509N	0.9	9/16	33	1	2,497	55.4	19.3	33.5	80.1	--
Proseed	31-10	1.1	9/16	41	0	2,338	55.3	18.8	34.5	73.3	--
Proseed	41-30N	--	9/21	37	1	2,233	55.7	18.8	34.8	80.3	--
REA	R0815	0.8	9/15	36	0	2,669	55.6	19.2	33.2	78.7	74.0
REA	69G14	0.9	9/16	38	1	2,472	56.2	19.3	33.2	81.0	74.9
REA	71G14	1.1	9/18	33	2	2,394	56.1	19.2	33.7	77.8	71.9
Thunder	3408N	0.8	9/15	35	1	2,477	55.3	19.1	33.7	78.2	--
Thunder	3511N	1.1	9/21	29	4	2,446	55.8	19.4	33.9	73.1	--
Thunder	3614N	1.4	9/22	36	1	2,449	56.2	19.1	33.7	82.5	--
Wensman	W3080NR2	0.8	9/16	35	1	2,646	55.1	19.2	33.2	79.7	--
Mean			9/17	36	1	2,426	55.6	19.2	33.7	77.9	73.5
CV %			0.9	6.6	92	2	1.2	0.7	0.7	4.7	--
LSD 0.05			1.5	3.3	1	79	0.9	0.1	0.3	5.1	--
LSD 0.10			1.3	2.8	1	67	0.8	0.2	0.3	4.3	--

**Table 24. 2015 Soybean - Irrigated, Roundup Ready - Oakes (Carrington REC) - Authors, B. Schatz, L. Besemann and T. Indergaard (Page 2 of 2).**

Company/ Brand	Variety	Maturity		Plant Height (inch)	Plant Lodge <sup>2</sup> (0-9)	Seeds/ Pound (seeds)	Test Weight (lb/bu)	Seed Oil (%)	Seed Protein (%)	Seed Yield	
		Group	Maturity <sup>1</sup> (date)							2015 ------(bu/a)-----	2-yr. Avg.
Wensman	W3090NR2	0.8	9/14	41	0	2,450	55.0	19.2	33.8	76.5	72.8
Wensman	W3100NR2	1	9/18	34	1	2,372	55.2	19.1	33.6	78.6	--
Wensman	W3121NR2	1.2	9/16	35	0	2,486	55.6	18.9	34.1	80.2	75.2
Wensman	W3143NR2	1.4	9/19	38	1	2,426	56.1	19.3	33.7	85.4	--
Mean			9/17	36	1	2,426	55.6	19.2	33.7	77.9	73.5
CV %			0.9	6.6	92	2	1.2	0.7	0.7	4.7	--
LSD 0.05			1.5	3.3	1.1	79	0.9	0.1	0.3	5.1	--
LSD 0.10			1.3	2.8	1.0	67	0.8	0.2	0.3	4.3	--

Planted: May 20. Harvested: Oct. 8. Previous crop: field corn.

<sup>1</sup>Maturity is date of 95 percent brown or tan pods.

<sup>2</sup>Lodging score: 1-upright, 9-flat on ground.

**Table 25. 2015 Soybean - Roundup Ready - Langdon - Authors, B. Hanson, T. Hakanson and L. Henry. (1 of 2)**

Company/ Brand	Variety	Maturity		Plant Height (inch)	Seed Oil (%)	Seed Protein (%)	Seed Yield	
		Group	Maturity <sup>1</sup> (date)				2015 ----(bu/a)----	2-yr. Avg.
Croplan	R2T0041	00.4	9/5	41	16.1	33.8	49.9	44.3
Croplan	R2T00800	00.8	9/7	40	16.8	33.7	56.6	48.7
Croplan	R2T0091	00.9	9/6	41	16.4	34.5	57.7	48.6
Dyna-Gro	S006RY75	00.6	8/31	42	15.0	34.9	53.1	44.0
Dyna-Gro	S008RY43	00.8	9/3	39	16.7	33.2	56.1	--
Dyna-Gro	S009RY56	00.9	9/10	41	16.6	34.1	59.0	--
Dyna-Gro	S01RY86	0.1	9/8	43	17.2	33.9	65.2	--
Hefty	H007Y12	00.7	9/2	38	17.2	34.3	52.6	46.1
Hefty	H007R5	00.7	8/30	39	15.5	34.2	52.4	--
Hefty	H008R3	00.8	9/3	40	16.5	33.4	53.7	45.6
Hefty	H009R3	00.9	9/10	36	15.7	35.2	61.1	53.9
Hefty	H009R5	00.9	9/3	40	16.8	34.7	53.4	--
Integra	20076N	00.6	8/30	41	15.0	34.7	46.1	40.8
Integra	20031	00.7	9/5	41	15.7	34.4	56.5	48.2
Integra	20084N	00.8	9/9	38	16.0	34.8	55.2	--
Integra	20087	00.8	9/5	34	15.8	34.8	56.8	--
Legacy	LS-00834 RR2	00.8	9/3	34	15.3	34.8	54.1	45.9
Legacy	LS-00835N RR2	00.8	9/10	40	16.1	34.8	55.1	--
Legacy	LS-0135 RR2	0.1	9/7	42	17.7	33.6	56.3	--
Legacy	LS-0214 RR2	0.2	9/9	40	16.6	35.0	58.0	50.0
Legend	LS 003R21	00.3	9/2	37	16.6	34.7	51.8	42.9
Legend	LS009R20	00.9	9/5	41	16.8	32.4	57.4	--
Legend	LS 007R22	00.7	9/4	40	15.9	34.6	55.6	--
Legend	LS008R660	00.8	9/10	40	16.3	34.2	58.1	--
Legend	LS 008R560	00.8	9/11	36	15.8	34.6	62.7	--
Mycogen	5B005R2	00.5	9/2	37	16.0	35.2	46.6	43.4
Mycogen	5B007R2	00.7	9/1	35	15.6	34.0	53.9	--
Mycogen	5G009R2	00.9	9/4	42	16.0	33.7	59.7	51.8
Mycogen	5J009R2	0.1	9/7	35	15.7	35.5	56.3	--
Mycogen	X55008R2	00.8	9/10	39	16.4	34.0	58.9	--
NorthStar	NS 0060NR2	00.6	8/29	40	15.1	34.2	47.8	42.9
NorthStar	NS 0080R2	00.8	9/2	39	16.0	33.9	56.7	47.9
NorthStar	NS 0081NR2	00.8	9/9	40	16.5	33.7	57.3	--
NuTech	6007	00.7	9/2	35	16.4	35.1	50.0	44.4
NuTech	6008R2	00.7	9/5	45	17.0	32.5	57.2	--
NuTech	6021	0.2	9/4	35	16.2	35.2	53.3	--
Peterson	15R006N	00.6	8/29	40	15.3	33.7	46.1	40.6
Peterson	16R008N	00.8	9/5	42	17.4	33.1	61.7	--
Peterson	16R01	0.1	9/9	40	16.5	34.1	53.3	--
Pioneer	P01T23R	0.1	9/4	36	17.2	33.3	55.8	--
Pioneer	P008T22R2	00.8	9/5	42	16.8	34.1	56.6	--
Pioneer	P006T78R	00.6	8/29	32	16.2	34.8	49.7	--
Prairie	PB-00766R2	00.7	9/1	40	15.2	33.8	49.8	44.7
Prairie	PB-00844R2	00.8	9/5	39	16.7	33.9	53.4	48.2
Prairie	PB-00856R2	00.8	9/11	41	16.1	34.9	63.3	--
Prairie	PB-00950R2	00.9	9/6	41	16.5	33.4	61.6	51.1
Prairie	PB-0146R2	0.1	9/7	43	17.4	33.5	62.2	--
Proseed	P2 11-07	00.7	9/2	38	16.7	33.4	54.8	48.6
Proseed	P2 10-08 RR2Y	00.8	9/5	42	16.6	35.0	65.8	53.1
Proseed	PX 5008	00.8	9/9	38	15.7	34.5	57.7	--
Proseed	30-07	00.7	9/1	34	16.5	33.9	55.6	45.8
Rea	55G14	00.5	9/3	42	15.7	34.4	50.7	44.6
Rea	R0216	0.2	9/7	43	15.2	34.8	61.5	--
Stine	01RE00	0.1	9/7	38	17.2	33.9	62.6	53.2
Stine	02RD00	0.2	9/11	37	16.2	34.0	60.1	--
Syng NK	S007-Y4	00.7	8/31	36	15.7	34.9	53.8	47.4
Mean			9/4	39	16.2	34.3	56.2	47.3
CV %			2.2	4.4	2.1	1.9	8.6	--
LSD 0.05			6.5	2.0	0.7	1.3	5.6	--
LSD 0.10			7.8	2	0.6	1.1	6.7	--

**Table 25. 2015 Soybean - Roundup Ready - Langdon - Authors, B. Hanson, T. Hakanson and L. Henry. (2 of 2)**

Company/ Brand	Variety	Maturity		Plant	Seed	Seed	Seed Yield	
		Group	Maturity <sup>1</sup> (date)	Height (inch)	Oil (%)	Protein (%)	2015	2-yr. Avg.
							----(bu/a)----	
Syng NK	S02-R2	0.2	9/7	39	16.2	33.8	62.9	--
Thunder	32005	00.5	8/31	38	15.6	35.8	53.5	--
Thunder	34006	00.6	9/2	39	15.6	35.3	53.3	--
Thunder	35007N	00.7	9/1	42	14.8	34.5	53.7	46.4
Thunder	360008N	00.8	9/10	40	16.0	35.2	58.7	--
Thunder	Astro	0.0	9/6	42	15.8	34.4	57.0	50.4
Wensman	W30061NR2	00.6	8/31	42	14.7	34.4	55.7	47.3
Wensman	W30085NR2	00.8	9/9	38	16.5	34.2	60.9	--
Wensman	W30099R2	00.9	9/8	41	16.7	33.8	61.0	50.3
Wensman	W3018R2	00.1	9/5	44	17.1	34.4	62.0	--
Wensman	W3024R2	00.2	9/8	36	15.8	34.8	60.7	52.1
Mean			9/4	39	16.2	34.3	56.2	47.3
CV %			2.2	4.4	2.1	1.9	8.6	--
LSD 0.05			6.5	2.0	0.7	1.3	5.6	--
LSD 0.10			7.8	2.4	0.6	1.1	6.7	--

Planted: May 22. Harvested: Oct. 1.

<sup>1</sup>Date of physiological maturity at R7 stage (one brown pod on the main stem obtains mature brown or tan color).**Table 26. 2015 Soybean - Liberty Link - Langdon - Authors, B. Hanson, T. Hakanson and L. Henry.**

Company/ Brand	Variety	Maturity		Plant	Seed	Seed	Seed Yield	
		Group	Maturity <sup>1</sup> (date)	Height (inch)	Oil (%)	Protein (%)	2015	2-yr. Avg.
							----(bu/a)----	
Hefty	H008L3	00.8	9/2	34	16.8	35.1	51.8	44.6
Integra	30080LL	00.8	9/2	33	16.9	34.5	47.8	43.3
Northstar	NS 0095LL	00.9	9/4	33	16.8	34.6	49.9	44.1
Northstar	NS 0129LL	0.1	9/8	36	17.1	32.9	53.0	46.1
NuTech	3022LL	0.2	9/7	32	18.1	32.5	52.0	--
Mean			9/5	33	17.1	33.9	50.9	44.5
CV %			0.8	4.7	1.8	0.7	7.2	--
LSD 0.05			1.2	2.1	0.8	0.6	NS	--
LSD 0.10			1	1.7	0.6	0.5	NS	--

See footnotes below.

**Table 27. 2015 Soybean - Conventional - Langdon - Authors, B. Hanson, T. Hakanson and L. Henry.**

Company/ Brand	Variety	Maturity		Plant	Seed	Seed	Seed Yield		
		Group	Maturity <sup>1</sup> (date)	Height (inch)	Lodge (0-9)	Oil (%)	Protein (%)	2015	2-yr. Avg.
							----(bu/a)----		
Asgrow (RR CK)	AG 00932	00.9	9/4	43	0.5	15.1	35.8	53.1	46.3
Asgrow (RR CK)	AG 00632	00.6	9/2	42	0.5	15.3	35.6	49.1	--
NDSU	ND Henson	0.0	9/8	37	0.0	16.8	35.6	54.4	48.8
NDSU	Ashtabula	0.4	9/13	43	1.5	17.4	34.3	63.3	52.7
NDSU	Traill	0.0	9/8	38	1.0	15.4	37.0	45.8	40.1
Richland	MK0249	0.2	9/11	37	3.3	15.4	35.1	53.9	44.9
Mean			9/9	40	0.9	15.9	35.6	53.3	46.5
CV %			1.4	6.7	92.1	1.7	1.1	6.6	--
LSD 0.05			2.1	3.8	1.2	0.6	0.9	5.1	--
LSD 0.10			1.8	3.2	1.0	0.5	0.7	4.2	--

Planted: May 22. Harvested: Sept. 30.

<sup>1</sup>Date of physiological maturity at R7 stage (one brown pod on the main stem obtains mature brown or tan color).

**Table 28. 2015 Soybean - Roundup Ready - Park River (Langdon REC) - Authors, B. Hanson, T. Hakanson and L. Henry (1 of 2).**

Company/ Brand	Variety	Maturity Group	Maturity <sup>1</sup> (date)	Plant Height (inch)	Seed Oil (%)	Seed Protein (%)	Seed Yield ------(bu/a)----- 2015      2-yr. Avg.	
Channel	00806R2	00.8	9/12	43	16.2	34.3	57.8	--
Channel	0205R2	0.2	9/13	47	16.5	33.9	59.5	--
Channel	0209R2	0.2	9/13	43	17.9	31.7	60.9	--
Dairyland	DSR-0305/R2Y	0.3	9/15	41	16.3	33.4	68.5	--
Dairyland	DSR-0404/R2Y	0.4	9/15	39	16.0	33.8	61.9	--
Dairyland	DSR-C918/R2Y	00.9	9/12	36	16.5	33.9	63.2	--
Dairyland	DST01-000/R2Y	0.1	9/12	42	17.8	32.6	63.8	--
Dyna-Gro	S009RY56	00.9	9/13	40	16.4	33.5	62.6	--
Dyna-Gro	S01RY86	0.1	9/13	44	17.8	32.4	64.5	--
Dyna-Gro	S02RY74	0.2	9/12	34	16.7	33.5	62.9	62.8
Dyna-Gro	S03RY36	0.3	9/17	38	16.5	34.7	62.8	--
Hefty	01R4	0.1	9/14	36	15.9	33.8	57.6	59.0
Hefty	02R3	0.2	9/17	38	15.9	33.6	59.0	--
Hefty	H008R3	00.8	9/9	37	17.0	32.2	58.1	57.4
Hefty	H009R3	00.9	9/14	36	16.3	33.9	59.5	62.0
Hefty	H009R5	00.9	9/8	39	17.1	33.5	53.3	--
Integra	20031	00.7	9/13	40	16.5	33.5	61.6	60.1
Integra	20087	00.8	9/12	35	16.5	33.9	57.3	--
Integra	20126	0.1	9/14	39	16.5	33.8	60.1	61.6
Integra	20300	0.1	9/16	39	15.9	33.9	61.3	--
Integra	20084N	00.8	9/14	36	16.6	33.5	59.3	--
Legacy	LS-00835N RR2	00.8	9/13	37	16.8	33.4	59.5	--
Legacy	LS-0134 RR2	0.3	9/15	35	16.3	33.7	62.2	63.3
Legacy	LS-0135 RR2	0.1	9/13	47	17.5	33.0	64.6	--
Legacy	LS-0214 RR2	0.2	9/13	40	16.6	33.2	59.4	62.9
Legacy	LS-0334 RR2	0.3	9/19	38	16.8	33.5	67.1	65.5
Mycogen	5B012R2	0.1	9/13	39	17.2	32.9	62.2	61.4
Mycogen	5B024R2	0.2	9/12	43	16.7	34.4	57.6	--
Mycogen	5B033R2	0.3	9/16	38	16.1	34.5	64.0	--
Mycogen	5J009R2	0.1	9/11	34	16.1	34.4	60.0	--
Mycogen	X550013R2	0.1	9/12	41	17.8	33.1	59.2	--
NorthStar	NS 0088R2	00.8	9/10	40	17.3	32.4	56.5	56.2
NorthStar	NS 0090R2	00.9	9/12	33	15.9	34.5	58.6	--
NorthStar	NS 0111R2	0.1	9/13	42	18.2	32.3	63.7	--
NorthStar	NS 0200NR2	0.2	9/17	46	16.0	33.2	59.8	--
NorthStar	NS 0480NR2	0.4	9/18	43	16.1	34.0	67.7	--
NuTech	6007	00.7	9/10	31	17.5	33.1	50.1	53.6
NuTech	6021	0.2	9/10	32	16.9	33.9	57.1	57.5
NuTech	6008R2	00.7	9/9	40	17.8	31.7	61.8	--
Peterson	15R04	0.4	9/18	40	16.4	33.1	63.2	63.6
Peterson	16R01	0.1	9/13	36	16.6	33.5	55.1	--
Prairie	PB-00856R2	00.8	9/14	39	17.0	33.6	62.7	--
Prairie	PB-0146R2	0.1	9/12	44	18.1	32.4	64.6	--
Prairie	PB-0240R2	0.2	9/13	43	16.1	34.7	60.8	59.0
Prairie	PB-0291R2	0.2	9/14	38	16.6	33.3	62.0	63.5
Prairie	X14033R2	0.3	9/15	37	16.3	34.4	59.4	--
Proseed	30-20	0.2	9/14	41	16.2	33.9	66.3	67.1
Proseed	40-30N	0.3	9/17	49	16.0	33.9	59.7	--
Proseed	P2 10-08 RR2Y	00.8	9/12	41	16.8	33.6	61.7	61.3
Proseed	P2 20-30	0.3	9/17	41	15.6	34.9	67.6	67.2
Proseed	PX 501	0.2	9/13	42	17.8	32.5	65.9	--
Rea	61G24	0.1	9/15	35	16.0	34.7	62.0	62.3
Rea	62G22	0.2	9/12	45	16.4	34.7	60.4	59.8
Rea	64G94	0.4	9/18	43	17.9	31.4	64.6	61.9
Rea	R0216	0.2	9/14	45	17.9	32.7	64.3	--
Stine	01RE00	0.1	9/12	35	16.7	33.4	63.1	62.8
Stine	02RD00	0.2	9/15	37	16.5	33.4	61.6	--
Mean			9/13	40	16.7	33.5	61.4	61.5
CV %			10.4	7.4	2.2	1.9	6.2	--
LSD 0.05			1.9	4.1	0.7	1.3	5.3	--
LSD 0.10			1.6	3.4	0.6	1.1	4.4	--

**Table 28. 2015 Soybean - Roundup Ready - Park River (Langdon REC) - Authors, B. Hanson, T. Hakanson and L. Henry (2 of 2).**

Company/ Brand	Variety	Maturity Group	Maturity <sup>1</sup> (date)	Plant Height (inch)	Seed Oil (%)	Seed Protein (%)	Seed Yield	
							2015	2-yr. Avg. ------(bu/a)-----
Syng NK	S02-R2	0.2	9/12	38	16.4	34.0	64.8	--
Syng NK	S04-D3	0.4	9/14	40	16.2	33.6	62.6	--
Thunder	3503	0.3	9/16	38	16.4	34.5	61.8	--
Thunder	3601	0.1	9/12	42	17.7	32.7	65.3	--
Thunder	360008N	00.8	9/13	38	16.8	33.5	60.3	--
Thunder	Astro	0.0	9/13	43	16.7	33.4	60.6	61.2
Wensman	W30085NR2	00.8	9/13	38	16.3	34.7	60.0	--
Wensman	W30099R2	00.9	9/14	42	17.1	32.8	64.1	65.6
Wensman	W3018R2	00.1	9/12	45	17.8	33.0	64.1	--
Wensman	W3024R2	00.2	9/11	37	17.0	33.2	60.0	60.0
Mean			9/13	40	16.7	33.5	61.4	61.5
CV %			10.4	7.4	2.2	1.9	6.2	--
LSD 0.05			1.9	4.1	0.7	1.3	5.3	--
LSD 0.10			1.6	3.4	0.6	1.1	4.4	--

Planted: May 26. Harvested: Oct. 6.

**Table 29. 2015 Soybean - Liberty Link - Park River (Langdon REC) - Authors, B. Hanson, T. Hakanson and L. Henry.**

Brand	Variety	Maturity Group	Maturity <sup>1</sup> (date)	Plant Height (inch)	Seed Oil (%)	Seed Protein (%)	Seed Yield	
							2015	2-yr. avg. ------(bu/a)-----
Hefty	H008L3	00.8	9/12	28	17.7	33.2	48.0	57.0
Integra	30080LL	00.8	9/11	27	17.5	33.4	45.8	55.0
Northstar	NS 0129LL	0.1	9/14	29	17.6	31.9	45.7	56.8
Northstar	NS 0361NLL	0.3	9/18	34	17.8	31.7	54.1	--
NuTech	3022LL	0.2	9/13	29	17.7	32.6	45.1	--
Thunder	5401LL	0.1	9/14	32	17.4	31.9	50.1	55.0
Mean			9/14	30	17.6	32.5	48.1	55.9
CV %			5.1	6.4	1.2	1.5	7.1	--
LSD 0.05			0.9	2.5	NS	NS	4.5	--
LSD 0.10			0.8	2.1	NS	1	3.7	--

Planted: May 26. Harvested: Oct. 6.

<sup>1</sup>Date of physiological maturity at R7 stage (one brown pod on the main stem obtains mature brown or tan color).**Table 30. 2015 Soybean - Conventional - Park River (Langdon REC) - Authors, B. Hanson, T. Hakanson and L. Henry.**

Brand	Variety	Maturity Group	Maturity <sup>1</sup> (date)	Plant Height (inch)	Seed Oil (%)	Seed Protein (%)	Seed Yield	
							2015	2-yr. avg. ------(bu/a)-----
Asgrow (RR CK) AG 00932		00.9	9/10	32	16.6	33.5	41.5	53.7
Asgrow (RR CK) AG 00632		00.6	9/7	28	17.2	33.5	41.2	--
NDSU	ND Henson	0.0	9/12	27	18.4	32.0	43.6	53.4
NDSU	Ashtabula	0.4	9/16	31	18.5	30.4	46.0	56.1
NDSU	Traill	0.0	9/11	27	17.0	34.2	37.1	48.0
Richland	MK0249	0.2	9/17	27	17.2	30.9	43.3	49.9
Mean			9/13	29	17.5	32.4	42.1	52.2
CV %			9.1	9.1	1.5	2	9.9	--
LSD 0.05			1.7	NS	0.6	1.4	NS	--
LSD 0.10			1.4	3.1	0.5	1.1	5.1	--

Planted: May 26. Harvested: Oct. 6.

<sup>1</sup>Date of physiological maturity at R7 stage (one brown pod on the main stem obtains mature brown or tan color).

**Table 31. 2015 Soybean - Roundup Ready - Cavalier (Langdon REC) - Authors, B. Hanson, T. Hakanson and L. Henry.**

Company/		Maturity		Plant		Seed		Seed Yield	
Brand	Variety	Group	Maturity <sup>1</sup> (date)	Height (inch)	Lodge <sup>2</sup> (0-9)	Oil (%)	Protein (%)	2015 ----- (bu/a)	2-yr. Avg.
Dyna-Gro	S006RY75	00.6	9/4	27	0	16.1	33.8	50.1	51.8
Dyna-Gro	S008RY43	00.8	9/13	27	0	17.3	32.1	49.7	--
Dyna-Gro	S009RY56	00.9	9/15	31	1	16.4	33.9	60.6	--
Dyna-Gro	S01RY86	0.1	9/15	31	1	17.3	32.5	50.8	--
Hefty	H007Y12	00.7	9/11	28	0	17.1	33.8	50.0	53.8
Hefty	H007R5	00.7	9/8	24	0	16.0	34.8	47.9	--
Hefty	H008R3	00.8	9/13	26	0	16.9	32.3	50.7	52.0
Hefty	H009R3	00.9	9/18	29	0	16.1	34.2	59.2	59.6
Hefty	H009R5	00.9	9/12	31	0	16.8	34.9	48.2	--
Integra	20076N	00.6	9/5	28	0	16.1	34.4	50.9	49.4
Integra	20031	00.7	9/14	30	0	16.1	34.0	52.9	52.5
Legacy	LS-00834 RR2	00.8	9/13	25	0	16.4	33.7	56.3	53.4
Legacy	LS-00835N RR2	00.8	9/16	29	2	16.5	33.6	56.9	--
Legacy	LS-0135 RR2	0.1	9/17	33	1	17.1	32.9	54.5	--
Legacy	LS-0214 RR2	0.2	9/16	29	2	16.3	33.1	50.2	55.0
Mycogen	5B005R2	00.5	9/10	25	0	17.4	33.8	46.4	50.4
Mycogen	5B007R2	00.7	9/9	24	0	16.4	33.6	47.7	--
Mycogen	5G009R2	00.9	9/14	30	1	16.8	33.2	51.6	54.1
Mycogen	5J009R2	0.1	9/14	25	0	16.2	34.2	54.5	--
Mycogen	X55008R2	00.8	9/15	28	1	16.5	33.0	55.1	--
NorthStar	NS 0060NR2	00.6	9/5	27	0	16.5	33.2	48.3	47.5
NorthStar	NS 0080R2	00.8	9/13	28	0	16.1	34.1	57.9	57.6
NorthStar	NS 0081NR2	00.8	9/16	31	2	16.7	33.9	62.3	--
NuTech	6007	00.7	9/13	26	1	16.9	34.5	50.5	--
NuTech	6008R2	00.7	9/12	27	0	17.8	31.8	55.9	--
NuTech	6021	0.2	9/14	25	0	16.8	34.2	62.6	--
Peterson	15R006N	00.6	9/5	27	0	16.0	34.2	45.7	47.2
Peterson	16R008N	00.8	9/16	30	1	17.3	33.1	52.5	--
Peterson	16R01	0.1	9/16	29	0	16.4	34.1	55.5	--
Prairie	PB-00766R2	00.7	9/6	30	0	16.3	33.1	55.4	52.8
Prairie	PB-00844R2	00.8	9/12	27	1	16.9	32.9	52.5	55.1
Prairie	PB-00856R2	00.8	9/15	31	1	16.4	34.0	61.9	--
Prairie	PB-00950R2	00.9	9/13	31	0	16.7	33.4	51.4	53.9
Prairie	PB-0146R2	0.1	9/16	34	2	17.7	32.8	58.6	--
Proseed	P2 10-08 RR2Y	00.8	9/13	30	0	16.2	34.5	48.8	--
Proseed	PX 5008	00.8	9/16	30	1	16.2	33.6	57.1	--
Proseed	30-07	00.7	9/10	25	0	16.2	34.5	53.6	52.8
Proseed	P2 20-08	00.8	9/14	29	1	17.0	32.3	52.1	56.0
Rea	55G14	00.5	9/8	28	0	15.7	34.8	49.1	45.9
Rea	R0216	0.2	9/16	32	2	16.9	33.5	56.9	--
Rea	62G22	0.2	9/14	32	0	16.3	34.3	53.7	--
Syng NK	S007-Y4	00.7	9/10	25	0	17.6	32.4	54.1	51.7
Syng NK	S02-R2	0.2	9/13	28	0	15.8	35.2	56.9	--
Thunder	32005	00.5	9/7	27	0	17.0	33.4	51.9	50.7
Thunder	34006	00.6	9/12	24	0	17.5	32.2	49.0	--
Thunder	35007N	00.7	9/4	28	0	16.0	33.8	49.2	50.0
Thunder	360008N	00.8	9/15	25	1	16.3	34.4	60.5	--
Thunder	Astro	0.0	9/16	28	0	16.3	33.6	58.6	56.9
Wensman	W30085NR2	00.8	9/15	28	1	16.7	33.4	52.8	--
Wensman	W30099R2	00.9	9/17	31	1	17.0	33.2	59.4	59.8
Wensman	W3018R2	00.1	9/17	35	2	17.4	33.1	56.9	--
Wensman	W3024R2	00.2	9/15	28	0	16.0	34.2	59.3	58.0
Mean			9/12	28	0.5	16.6	33.6	53.7	53.1
CV %			11.0	10.6	138.4	2.2	2.2	9.7	--
LSD 0.05			1.9	4.2	1.0	0.8	1.5	7.2	--
LSD 0.10			1.6	3.5	0.8	0.6	1.3	6.0	--

Planted: June 3. Harvested: Oct. 7.

<sup>1</sup>Date of physiological maturity at R7 stage (one brown pod on the main stem obtains mature brown or tan color).<sup>2</sup>Lodging score: 1-upright, 9-flat on ground.



**Table 32. 2015 Soybean - Roundup Ready - Pekin (Langdon REC) - Authors, B. Hanson, T. Hakanson and L. Henry (Page 1 of 2).**

Company/ Brand	Variety	Maturity Group	Maturity <sup>1</sup> (date)	Plant Lodge <sup>2</sup> (0-9)	Plant Height (inch)	Seed Oil (%)	Seed Protein (%)	Seed Yield ------(bu/a)----- 2015      2-yr. Avg.	
Dairyland	DSR-C918/R2Y	00.9	9/13	1	28	15.9	35.3	47.0	54.9
Dairyland	DST01-000/R2Y	0.1	9/16	5	37	17.1	34.2	51.9	--
Dairyland	DSR-0305/R2Y	0.3	9/14	1	31	16.6	34.5	57.1	61.8
Dairyland	DSR-0404/R2Y	0.4	9/15	1	32	16.1	34.9	54.9	56.0
Dyna-Gro	S009RY56	00.9	9/15	2	32	16.3	34.6	47.9	--
Dyna-Gro	S01RY86	0.1	9/16	6	38	17.3	34.4	54.6	--
Dyna-Gro	S02RY74	0.2	9/11	0	32	16.4	34.8	54.8	55.9
Dyna-Gro	S03RY36	0.3	9/16	0	31	16.2	35.7	56.6	--
Hefty	H008R3	00.8	9/9	4	30	16.9	33.6	42.3	--
Hefty	H009R3	00.9	9/12	0	29	16.0	35.1	45.2	52.7
Hefty	H009R5	00.9	9/10	1	34	16.7	34.6	42.8	--
Hefty	01R4	0.1	9/14	0	30	15.8	35.4	46.1	49.1
Hefty	02R3	0.2	9/15	1	31	16.2	34.3	51.8	53.1
Integra	20031	00.7	9/12	3	34	16.4	33.7	47.4	52.4
Integra	20084N	00.8	9/15	1	30	16.2	34.3	51.3	--
Integra	20087	00.8	9/10	1	27	15.8	35.7	46.8	--
Integra	20126	0.1	9/14	2	34	16.2	35.0	49.6	57.2
Integra	20300	0.1	9/15	0	31	15.7	35.1	50.6	--
Legacy	LS-00835N RR2	00.8	9/13	0	30	16.2	35.0	46.5	--
Legacy	LS-0135 RR2	0.1	9/16	3	35	17.2	34.4	49.7	--
Legacy	LS-0214 RR2	0.2	9/14	2	33	16.3	35.2	54.7	59.5
Legacy	LS-0334 RR2	0.3	9/22	0	32	15.9	35.2	55.6	60.2
Legacy	LS-0134 RR2	0.3	9/14	0	30	16.3	34.5	55.8	59.3
Mycogen	5J009R2	0.1	9/11	1	31	15.9	35.5	50.9	--
Mycogen	5B012R2	0.1	9/12	5	32	16.6	34.6	48.7	51.5
Mycogen	5B024R2	0.2	9/14	5	37	16.0	35.5	53.5	56.3
Mycogen	X550013R2	0.1	9/14	5	38	17.3	34.0	55.2	--
Mycogen	5B033R2	0.3	9/14	0	33	16.8	34.1	57.5	--
NorthStar	NS 0090R2	00.9	9/11	1	31	16.2	36.0	46.1	--
NorthStar	NS 0111R2	0.1	9/16	6	38	17.4	34.2	55.4	--
NorthStar	NS 0200NR2	0.2	9/20	4	39	15.5	35.1	51.5	--
NorthStar	NS 0480NR2	0.4	9/17	1	32	16.0	35.0	55.0	--
NorthStar	NS 0088R2	00.8	9/12	4	35	17.1	32.7	53.2	54.5
NuTech	6007	00.7	9/7	1	29	16.1	36.1	39.9	44.7
NuTech	6008R2	00.7	9/10	5	36	17.3	32.2	47.6	--
NuTech	6021	0.2	9/9	0	28	16.7	35.4	50.0	--
Peterson	16R01	0.1	9/15	3	33	16.5	34.7	49.6	--
Peterson	15R04	0.4	9/20	2	33	16.5	34.4	51.8	57.7
Prairie	PB-00856R2	00.8	9/15	3	32	16.0	34.9	53.4	--
Prairie	PB-0146R2	0.1	9/15	3	36	17.0	34.6	48.2	--
Prairie	PB-0240R2	0.2	9/16	5	38	16.3	34.3	50.8	56.1
Prairie	PB-0291R2	0.2	9/15	0	30	15.5	35.5	52.9	54.4
Prairie	X14033R2	0.3	9/16	1	31	16.0	36.0	53.9	--
Proseed	30-20	0.2	9/14	2	35	16.1	35.2	55.7	56.8
Proseed	P2 20-30	0.3	9/16	1	31	16.4	34.7	53.3	58.8
Mean			9/14	2	33	16.4	34.7	51.4	55.2
CV %			14.8	65	7.6	2.1	1.8	8.6	--
LSD 0.05			2.9	2	3.5	0.7	1.2	6.2	--
LSD 0.10			2.5	2	2.9	0.6	1.0	5.2	--

**Table 32. 2015 Soybean - Roundup Ready - Pekin (Langdon REC) - Authors, B. Hanson, T. Hakanson and L. Henry (Page 2 of 2).**

Company/ Brand	Variety	Maturity		Plant Lodge (0-9)	Plant Height (inch)	Seed Oil (%)	Seed Protein (%)	Seed Yield	
		Group	Maturity (date) <sup>1</sup>					2015	2-yr. Avg.
Proseed	PX 501	0.2	9/15	5	34	17.6	33.4	54.5	--
Proseed	30-09	00.9	9/15	0	29	15.5	35.6	53.2	--
REA	61G24	0.1	9/14	0	29	16.2	34.5	54.5	57.8
REA	R0216	0.2	9/17	6	36	17.0	34.0	54.2	
REA	64G94	0.4	9/20	5	36	17.5	33.3	56.3	54.8
REA	62G22	0.2	9/13	2	37	16.5	34.8	46.6	51.2
Stine	01RE00	0.1	9/8	0	30	16.6	35.0	56.1	--
Stine	02RD00	0.2	9/14	0	28	16.1	35.6	50.3	--
Stine	03RF30	0.3	9/18	2	31	15.9	36.2	50.3	--
Syng NK	S04-D3	0.4	9/15	2	34	16.3	33.8	53.5	--
Syng NK	S02-R2	0.2	9/10	2	30	16.2	35.4	51.4	--
Thunder	360008N	00.8	9/14	2	30	15.8	36.0	47.3	--
Thunder	Astro	0.0	9/13	1	36	16.1	34.5	45.1	52.5
Thunder	3601	0.1	9/16	3	37	17.6	33.6	54.2	--
Thunder	3503	0.3	9/15	1	31	16.1	35.8	54.1	--
Wensman	W30085NR2	00.8	9/16	1	32	16.2	35.2	51.3	--
Wensman	W30099R2	00.9	9/15	3	37	17.1	33.7	50.2	54.8
Wensman	W3018R2	0.1	9/16	4	37	17.3	34.0	52.0	--
Wensman	W3024R2	0.2	9/13	0	32	16.3	34.9	59.6	--
Mean			9/14	2	33	16.4	34.7	51.4	55.2
CV %			14.8	65	7.6	2.1	1.8	8.6	--
LSD 0.05			2.9	2	3.5	0.7	1.2	6.2	--
LSD 0.10			2.5	2	2.9	0.6	1.0	5.2	--

Planted: May 28. Harvested: Oct. 14.

<sup>1</sup>Date of physiological maturity at R7 stage (one brown pod on the main stem obtains mature brown or tan color).

**Table 33. 2015 Soybean - Roundup Ready - Minot (North Central REC) - Authors, E. Eriksmoen, J. Tarasenko and J. Effertz (Page 1 of 2).**

Company/ Brand	Variety	Maturity Group	IDC Rating <sup>1</sup>	Maturity <sup>2</sup>	Plant Height	Test Weight	Seed Oil	Seed Protein	Seed Yield 2015
			(1-5)	(date)	(inches)	(lb/bu)	(%)	(%)	(bu/a)
AgVenture	008H2R2	00.8	--	9/19	28	58.0	17.7	31.0	51.3
AgVenture	008H1R2	00.8	--	9/17	29	58.0	17.3	31.5	50.1
Dairyland	DSR-C918/R2Y	00.9	2.3	9/24	25	57.4	16.5	33.8	63.6
Dairyland	DSR-C905/R2Y	00.9	1.5	9/20	26	57.3	17.2	31.5	54.6
Dairyland	DST01-000/R2Y	0.1	2.0	9/20	30	58.1	17.7	32.5	53.1
Dyna-Gro	S008RY43	00.8	1.4	9/21	29	57.6	16.9	32.4	60.2
Dyna-Gro	S03RY36	0.3	1.8	9/26	31	57.3	15.9	34.8	67.0
Dyna-Gro	S009RY56	00.9	2.0	9/24	27	57.1	16.4	33.7	58.7
Hefty	H009R3	00.9	2.3	9/25	27	58.0	16.5	33.1	58.0
Hefty	H004Y12	00.4	2.2	9/19	29	57.7	16.6	33.0	56.3
Hefty	H008R3	00.8	1.6	9/19	27	57.5	16.9	32.3	56.0
Hefty	H008R6	00.8	2.0	9/22	26	57.7	16.5	33.4	51.3
Hefty	H009R5	00.9	1.5	9/16	28	57.3	17.4	33.3	43.9
Hefty	H007R5	00.7	1.8	9/15	26	57.6	17.1	32.4	40.5
Integra	20215 RR2Y	0.1	2.3	9/20	27	58.1	16.7	33.0	57.6
Integra	20090 RR2Y	00.9	1.6	9/19	26	58.4	16.8	32.4	45.4
Integra	20300 RR2Y	0.3	1.9	9/26	30	57.0	16.1	33.2	68.5
Integra	20084N RR2Y	00.8	2.1	9/25	26	57.3	16.5	33.7	49.6
Latham	E0152R2	0.1	1.7	9/20	32	57.7	17.7	32.3	55.2
Latham	L0256R2	0.2	2.0	9/21	30	57.4	16.6	34.0	51.8
Latham	L00538R2	00.5	1.8	9/16	27	57.4	16.7	32.9	47.7
Latham	L0143R2	0.1	1.9	9/20	29	58.2	17.0	32.4	45.1
Latham	E00858R2	00.8	2.1	9/22	26	57.0	16.6	33.4	41.8
Legacy	LS-0134 RR2	0.3	2.1	9/25	27	58.4	16.5	33.9	71.3
Legacy	LS-0334 RR2	0.3	1.7	9/25	27	57.7	16.6	33.1	61.5
Legacy	LS-0214 RR2	0.2	2.0	9/21	29	57.3	17.0	32.8	62.9
Legacy	LS-0135 RR2	0.1	2.0	9/24	31	57.5	17.4	32.7	60.0
Legacy	LS-0835N RR2	00.8	1.9	9/22	28	57.2	16.2	33.9	53.7
Mycogen	5G009R2	00.9	1.7	9/25	30	57.5	16.3	33.2	61.1
Mycogen	5J009R2	0.1	2.2	9/24	28	57.6	16.3	33.8	61.8
Mycogen	5B024R2	0.2	1.6	9/23	29	58.1	16.5	32.8	59.4
Mycogen	5B007R2	00.7	2.1	9/20	26	58.1	16.5	32.9	57.7
Mycogen	5B012R2	0.1	1.7	9/24	26	57.3	17.1	33.1	57.3
NorthStar	NS 0080R2	00.8	1.7	9/21	27	57.9	16.7	32.0	57.9
NorthStar	NS 0060NR2	00.6	1.9	9/16	29	57.7	16.4	33.0	51.9
NorthStar	NS 0081NR2	00.8	1.9	9/25	28	57.4	16.5	33.3	51.4
Peterson	15R006N	00.6	1.9	9/16	27	57.5	16.6	32.9	44.1
Peterson	16R008N	00.8	2.0	9/22	33	57.9	17.3	33.0	55.8
Peterson	16R01	0.1	1.9	9/25	26	57.1	16.3	33.4	47.9
Prairie	PB-00844R2	00.8	1.7	9/18	28	57.6	16.9	32.3	54.8
Prairie	PB-00950R2	00.9	1.7	9/20	35	58.3	16.8	32.5	52.1
Prairie	PB-0441R2	0.4	1.8	9/25	32	56.5	16.3	33.1	71.7
Prairie	PB-0146R2	0.1	2.0	9/24	34	57.6	17.2	33.0	64.6
Prairie	PB-00856R2	00.8	2.1	9/23	29	57.3	16.6	33.5	53.7
Proseed	P2 20-30	0.3	2.2	9/25	29	57.5	16.5	32.5	75.9
Proseed	30-20	0.2	1.9	9/23	31	57.3	16.6	33.1	63.8
Proseed	P2 10-08 RR2Y	00.8	1.9	9/20	35	58.1	16.4	33.0	59.7
Proseed	30-07	00.7	1.7	9/21	25	58.0	16.4	33.2	64.3
Proseed	P2 11-07	00.7	1.7	9/16	25	57.5	17.3	33.6	49.3
Proseed	PX 5008	00.8	2.1	9/25	29	57.1	16.3	34.0	60.0
Mean			1.9	9/21	29	57.6	16.7	33.0	56.3
CV %			--	1.1	7.5	0.6	2.7	2.5	8.7
LSD 0.05			--	2.0	2.0	0.4	0.5	1.0	5.7
LSD 0.10			0	2	3	0.5	1	1.1	6.8

**Table 33. 2015 Soybean - Roundup Ready - Minot (North Central REC) - Authors, E. Eriksmoen, J. Tarasenko and J. Effertz (Page 2 of 2).**

Company/ Brand	Variety	Maturity Group	IDC Rating <sup>1</sup>	Maturity <sup>2</sup>	Plant Height	Test Weight	Seed Oil	Seed Protein	Seed Yield 2015
			(1-5)	(date)	(inches)	(lb/bu)	(%)	(%)	(bu/a)
Proseed	30-09	00.9	2.3	9/25	28	57.5	15.9	33.7	58.8
REA	61G24	0.1	2.3	9/25	25	58.3	16.5	33.0	63.6
REA	55G14	00.5	1.9	9/19	28	57.5	16.8	32.6	45.8
REA	R0216	0.2	1.9	9/21	30	57.9	17.6	32.1	59.4
Thunder	Astro	0.0	2.0	9/22	30	58.1	16.4	32.8	49.2
Thunder	3601	0.1	1.8	9/20	32	58.1	17.3	32.6	61.9
Wensman	W3024R2	0.2	2.2	9/21	28	58.0	16.6	33.1	55.3
Wensman	W3032R2	0.4	1.9	9/25	30	57.4	16.6	32.7	66.3
Wensman	W30085NR2	00.8	1.9	9/24	28	57.3	16.4	33.7	53.5
Wensman	W3018R2	0.1	1.9	9/19	30	58.0	17.9	32.0	52.9
Mean			1.9	9/21	29	57.6	16.7	33.0	56.3
CV %			--	1.1	7.5	0.6	2.7	2.5	8.7
LSD 0.05			--	2.0	2.0	0.4	0.5	1.0	5.7
LSD 0.10			--	2	3	0.5	1	1.1	6.8

Planted: May 22 with a seeding rate of 200,000 pure live seed. Harvested: Oct. 1.

<sup>1</sup>IDC rating = Iron deficiency chlorosis rating: 1 - green, 3 - yellow, 5 - dead tissue.<sup>2</sup>Date of physiological maturity at R7 stage (one brown pod on the main stem obtains mature brown or tan color).**Table 34. 2015 Soybean - Conventional - Minot (North Central REC) - Authors, E. Eriksmoen, J. Tarasenko and J. Effertz.**

Company/ Brand	Variety	Maturity Group	IDC Rating <sup>1</sup>	Maturity <sup>2</sup>	Plant Height	Test Weight	Seed Oil	Seed Protein	Seed Yield	
			(1-5)	(date)	(inches)	(lb/bu)	(%)	(%)	2015	2-yr. Avg.
									------(bu/a)-----	
Asgrow (RR CK)	AG 00632	00.6		9/10	31	57.9	16.1	33.7	45.6	--
Asgrow (RR CK)	AG 00932	00.9	1.9	9/11	31	58.1	15.5	33.8	46.3	42.2
Asgrow (RR CK)	AG 0434	0.4		9/19	28	58.0	15.9	33.1	53.3	--
Asgrow (RR CK)	AG 0832	0.8	2.2	9/25	34	56.8	16.0	34.6	59.7	--
Hefty	H008L3	00.8	2.0	9/11	28	58.0	16.3	35.0	45.9	--
Integra	30080	00.8	2.0	9/12	25	57.8	15.9	34.8	50.9	41.8
Integra	SX05LL	0.3	--	9/23	33	57.4	15.4	35.6	65.5	--
NDSU	Traill	00.0		9/11	31	58.8	15.5	35.6	38.7	41.9
NDSU	ND Henson	0.0	2.2	9/11	28	59.1	15.9	34.8	53.4	52.4
NDSU	Ashtabula	0.4	2.1	9/18	36	57.4	16.8	33.1	53.4	52.6
NDSU	Sheyenne	0.7	2.2	9/21	32	57.8	16.1	32.4	61.1	50.3
Thunder	5401LL	0.1	2.3	9/18	33	57.1	16.2	33.3	53.3	42.8
Mean			2.3	9/17	31	57.9	16.0	34.2	52.2	46.3
CV %			--	1.5	4.5	0.6	2.8	1.7	5.4	--
LSD 0.05			0	3.0	2.0	0.5	0.6	0.8	4.0	--
LSD 0.10			0.3	2	2.0	0.4	0.5	0.7	3.3	--

Planted: May 26 with a seeding rate of 200,000 pure live seeds. Harvested: Oct. 9.

<sup>1</sup>IDC rating = Iron deficiency chlorosis rating: 1 - green, 3 - yellow, 5 - dead tissue.<sup>2</sup>Date of physiological maturity at R7 stage (one brown pod on the main stem obtains mature brown or tan color).**Table 35. 2015 Soybean - Conventional - Rugby (North Central REC) - Authors, E. Eriksmoen, J. Tarasenko and J. Effertz**

Company/ Brand	Variety	Maturity Group	IDC Rating <sup>1</sup>	Plant Height	Test Weight	Seed Oil	Seed Protein	Seed Yield
			(1-5)	(inches)	(lb/bu)	(%)	(%)	(bu/a)
NDSU	Ashtabula	0.4	2.1	29	58.2	17.4	33.6	39.4
NDSU	ND Henson	0.0	2.2	24	59.2	16.1	36.6	40.6
NDSU	Sheyenne	0.7	2.2	30	58.4	16.7	33.9	45.6
NDSU	Traill	0.0	1.6	26	58.5	16.5	35.6	30.4
Mean				27	58.5	16.7	34.9	39.0
CV %				10.0	0.7	2.8	2.9	6.7
LSD 0.05				4.0	0.6	0.7	1.4	4.0
LSD 0.10				3.0	0.5	0.6	1.2	3.3

Planted: May 21 with a seeding rate of 200,000 pure live seeds. Harvested: Sept. 29. Previous crop: corn.

<sup>1</sup>IDC rating = Iron deficiency chlorosis rating: 1 - green, 3 - yellow, 5 - dead tissue.

**Table 36. 2015 Soybean - Roundup Ready - Garrison (North Central REC) - Authors, E. Eriksmoen, J. Tarasenko and J. Effertz**

Company/ Brand	Variety	Maturity Group	IDC Rating <sup>1</sup> (1-5)	Plant Height (inches)	Test Weight (lb/bu)	Seed Oil (%)	Seed Protein (%)	Seed Yield 2015 (bu/a)
AgVenture	008H1R2	00.8	--	22	54.0	17.5	33.2	34.5
Croplan	R2T0231	0.2	--	24	56.1	15.4	35.4	29.9
Hefty	H004Y12	00.4	2.2	26	57.2	16.4	35.5	36.7
Hefty	H008R6	00.8	2.0	25	56.7	16.2	35.2	30.4
Hefty	H008R3	00.8	1.6	23	55.3	15.3	36.1	28.6
Hefty	H009R3	00.9	2.3	21	59.3	16.0	35.9	24.7
Hefty	H007R5	00.7	1.8	24	56.5	14.3	36.5	22.2
Hefty	H009R5	00.9	1.5	24	58.0	15.0	36.6	21.4
Integra	20126 RR2Y	0.1	2.0	24	54.9	16.9	34.4	49.9
Integra	20215 RR2Y	0.1	2.3	22	55.7	16.4	35.9	33.5
Integra	20090 RR2Y	00.9	1.6	26	57.6	17.0	34.3	33.9
Integra	20300 RR2Y	0.3	1.9	24	55.4	16.2	34.6	38.2
Latham	L0256R2	0.2	2.0	28	56.9	16.6	35.3	43.0
Latham	E0152R2	0.1	1.7	27	58.5	17.8	34.9	35.1
Latham	E00858R2	00.8	2.1	23	58.0	16.0	34.8	30.6
Latham	L0143R2	0.1	1.9	25	58.7	16.3	35.4	26.1
Latham	L0235R2	0.2	1.7	21	57.1	14.6	38.0	23.7
Legacy	LS-0214 RR2	0.2	2.0	25	58.6	15.5	37.1	34.1
Legacy	LS-0334 RR2	0.3	1.7	26	56.9	15.5	35.5	41.4
Legacy	LS-0134 RR2	0.3	2.1	22	57.7	16.4	34.6	33.6
Legacy	LS-0835N RR2	00.8	1.9	24	54.7	17.3	33.1	38.7
Legacy	LS-0135 RR2	0.1	2.0	27	58.9	16.4	35.7	30.9
Peterson	16R01	0.1	1.9	23	54.5	17.6	32.8	36.1
Prairie	00950R2	00.9	1.7	25	55.2	16.8	34.3	37.5
Proseed	P2 20-30	0.3	2.2	23	57.2	15.7	36.1	33.3
Proseed	P2 10-08 RR2Y	00.8	1.9	24	55.3	17.1	33.3	32.7
Proseed	30-20	0.2	1.9	24	55.4	15.1	38.2	29.9
Proseed	PX5008	00.8	2.1	24	56.1	17.2	33.8	30.1
Proseed	PX501	0.1	2.0	27	57.6	16.4	35.4	28.5
REA	R0216	0.2	1.9	27	55.4	17.6	33.0	41.2
REA	64G94	0.4	1.8	22	55.4	16.6	35.9	39.5
Thunder	3503	0.3	1.8	23	59.0	14.7	38.2	31.1
Thunder	Astro	0.0	2.0	24	55.9	15.7	34.4	26.7
Thunder	3505N	0.5	--	23	58.8	16.2	35.1	43.7
Thunder	3205	0.5	1.5	25	55.6	16.3	33.7	37.7
Thunder	3601	0.1	1.8	28	56.1	16.1	35.4	23.9
Wensman	W3032R2	0.4	1.9	24	58.5	16.3	35.1	39.1
Wensman	W3024R2	0.2	2.2	22	58.5	17.0	34.2	34.7
Wensman	W30085NR2	00.8	1.9	24	56.8	16.0	35.3	27.6
Wensman	W3018R2	0.1	1.9	29	58.5	15.8	36.3	26.0
Mean			1.9	24	56.8	16.2	35.2	33.0
CV %			--	7.2	1.4	3.2	2.5	12.1
LSD 0.05			--	2.0	1.1	0.7	1.2	5.6
LSD 0.10			--	2.0	0.9	0.6	1.0	4.7

Planted: May 22 with a seeding rate of 200,000 pure live seed. Harvested: Sept. 28. Previous crop: barley.

<sup>1</sup>IDC rating = Iron deficiency chlorosis rating: 1 - green, 3 - yellow, 5 - dead tissue.

**Table 37. 2015 Soybean - Roundup Ready - Mohall (North Central REC) - Authors, E. Eriksmoen, J. Tarasenko and J. Effertz.**

Company/ Brand	Variety	Maturity Group	IDC Rating <sup>1</sup> (1-5)	Plant Height (inch)	Test Weight (lb/bu)	Seed Oil (%)	Seed Protein (%)	Seed Yield 2015 (bu/a)
AgVenture	008H1R2	00.8	--	39	58.0	17.2	31.4	69.1
Asgrow	AG 00835	00.8	1.8	32	57.7	16.3	33.0	58.3
Dyna-Gro	30RY09	00.9	--	39	58.1	15.9	33.8	67.4
Hefty	H004Y12	00.4	2.2	35	58.3	15.4	34.1	79.5
Hefty	H009R3	00.9	2.3	33	58.6	14.7	35.1	78.6
Hefty	H008R3	00.8	1.6	35	57.6	16.4	33.7	67.8
Hefty	H008R6	00.8	2.0	38	57.8	15.4	34.3	64.1
Hefty	H009R5	00.9	1.5	37	58.3	16.6	34.8	62.6
Hefty	H007R5	00.7	1.8	35	57.9	15.1	34.6	52.2
Integra	20215 RR2Y	0.1	2.3	36	58.2	15.6	34.3	76.7
Integra	20090 RR2Y	00.9	1.6	37	58.3	15.9	33.8	61.0
Integra	20031 RR2Y	00.8	1.7	39	58.1	16.1	33.6	55.2
Integra	20084N RR2Y	00.8	2.1	39	57.9	15.9	34.3	64.4
Legacy	LS-0214 RR2	0.2	2.0	40	57.9	15.8	34.7	69.1
Legacy	LS-0134 RR2	0.3	2.1	36	57.7	15.6	34.4	67.9
Legacy	LS-0334 RR2	0.3	1.7	37	57.3	15.5	34.5	74.9
Legacy	LS-0835N RR2	00.8	1.9	37	57.9	15.9	34.1	69.2
Legacy	LS-0135 RR2	0.1	2.0	39	57.9	17.1	33.7	64.8
Mycogen	5G009R2	00.9	1.7	38	58.5	15.8	33.7	65.1
Mycogen	5B007R2	00.7	2.1	33	58.2	15.8	34.4	55.5
Mycogen	5B005R2	00.5	1.5	35	57.6	16.2	34.5	55.3
NorthStar	NS 0080R2	00.8	1.7	39	57.8	16.3	33.7	66.2
NorthStar	NS 0081NR2	00.8	1.9	36	58.0	15.9	34.3	60.7
NorthStar	NS 0060NR2	00.6	1.9	38	57.7	15.1	34.3	50.9
Peterson	15R006N	00.6	1.9	39	57.9	15.3	34.0	59.4
Peterson	16R008N	00.8	2.0	41	57.6	17.1	33.5	69.6
Prairie	PB-00950R2	00.9	1.7	37	58.3	15.7	34.4	63.7
Prairie	PB-00844R2	00.8	1.7	35	57.8	16.3	33.5	63.1
Prairie	PB-00766R2	00.7	1.7	38	57.8	15.0	34.5	54.1
Prairie	PB-0146R2	0.1	2.0	40	57.6	17.1	33.3	74.0
Prairie	PB-00856R2	00.8	2.1	37	57.7	15.4	34.5	68.7
Proseed	30-20	0.2	1.9	39	58.0	15.5	35.0	72.9
Proseed	P2 10-08 RR2Y	00.8	1.9	37	58.4	15.6	34.3	64.8
Proseed	P2 20-30	0.3	2.2	35	57.8	15.6	33.8	74.7
Proseed	30-07	00.7	1.7	32	58.0	15.7	33.8	61.8
Proseed	PX5008	00.8	2.1	32	58.3	15.2	34.2	68.5
Proseed	30-09	00.9	2.3	35	58.7	15.2	34.2	65.8
REA	55G14	00.5	1.9	36	57.9	15.7	34.4	59.0
REA	R0216	0.2	1.9	40	58.3	17.6	33.3	59.7
Wensman	W3024R2	0.2	2.2	36	58.1	15.2	34.7	80.1
Wensman	W30099R2	00.9	1.7	39	58.3	16.5	33.2	67.3
Wensman	W30085NR2	00.8	1.9	37	57.6	15.7	34.4	70.2
Wensman	W3018R2	0.1	1.9	43	57.8	17.0	33.5	69.6
Thunder	Astro	0.0	2.0	40	58.1	15.9	33.6	69.4
Thunder	34006	00.6	1.8	36	58.1	16.1	34.6	58.8
Thunder	32005	00.5	1.6	36	57.9	16.4	34.4	56.3
Thunder	35007N	00.7	1.9	37	57.4	15.2	34.4	51.4
Thunder	36008N	00.8	2.2	38	57.8	16.0	33.8	67.4
Mean			1.9	37	58.0	15.9	34.1	65.1
CV %			--	6.8	0.7	2.5	1.9	7.0
LSD 0.05			0.3	4	0.6	0.5	0.9	6.4
LSD 0.10			0.3	3	0.5	0.5	0.7	5.4

Planted: May 21 with a seeding rate of 200,000 pure live seeds. Harvested: Sept.29. Previous crop: oat.

<sup>1</sup>IDC rating = Iron deficiency chlorosis rating: 1 - green, 3 - yellow, 5 - dead tissue.

**Table 38. 2015 Soybean - Wilton (North Central REC) - Authors, E. Eriksmoen, J. Tarasenko and J. Effertz.**

Company/ Brand	Variety	Maturity Group	IDC Rating <sup>1</sup> (1-5)	Plant Height (inch)	Test Weight (lb/bu)	Seed Oil (%)	Seed Protein (%)	Seed Yield 2015 (bu/a)
AgVenture	008H1R2	00.8	--	30	58.5	16.3	35.0	40.9
Asgrow	AG0430	0.4	--	28	57.6	16.0	34.7	61.1
Asgrow	AG0434	0.4	--	24	58.6	15.5	35.5	54.3
Channel	0508R2	0.5	1.9	27	58.7	15.4	35.5	54.3
Hefty	H009R3	00.9	2.3	23	58.7	15.9	35.3	52.4
Hefty	H02R3	0.2	1.9	24	58.5	15.9	34.8	49.1
Hefty	H004Y12	00.4	2.2	24	58.3	15.6	35.8	47.8
Hefty	H008R6	00.8	2.0	26	58.0	15.7	35.6	43.0
Hefty	H007R5	00.7	1.8	28	58.1	14.9	36.0	38.3
Hefty	H008R3	00.8	1.6	26	58.4	15.1	35.2	36.7
Hefty	H009R5	00.9	1.5	26	58.5	15.7	35.4	30.0
Integra	20300 RR2Y	0.3	1.9	24	58.3	15.8	34.8	50.4
Integra	20215 RR2Y	0.1	2.3	25	58.5	15.8	35.7	49.7
Integra	20327 RR2Y	0.3	1.8	24	59.0	15.3	36.5	44.6
Integra	20600 RR2Y	0.6	1.8	27	58.2	15.6	34.0	43.2
Legacy	LS-0334 RR2	0.3	1.7	25	58.5	15.8	35.9	56.0
Legacy	LS-0134	0.1	--	20	58.5	15.8	35.2	55.0
Legacy	LS-0214 RR2	0.2	2.0	27	57.8	16.1	36.0	50.2
Legacy	LS-0135 RR2	0.1	2.0	30	58.5	16.9	34.1	44.9
Legacy	LS-0835N RR2	00.8	1.9	25	58.4	15.7	35.7	36.4
Mycogen	5B033R2	0.3	2.2	24	58.5	16.5	34.0	58.3
Mycogen	5J009R2	0.1	2.2	22	58.1	15.7	35.9	45.9
Mycogen	5G009R2	00.9	1.7	27	58.9	15.3	35.6	43.0
Mycogen	5B024R2	0.2	1.6	29	59.3	15.7	35.3	41.1
Mycogen	5B012R2	0.1	1.7	28	58.6	15.9	36.1	38.0
Pioneer	P03T68R2	0.3	--	28	58.2	15.1	35.3	50.0
Pioneer	P02T54R	0.2	--	30	59.0	16.4	34.7	46.3
Pioneer	P05T24R	0.5	--	25	59.2	16.0	34.2	37.7
Pioneer	P01T23R	0.1	2.1	25	57.0	15.4	36.0	33.0
Thunder	3205	0.5	1.5	26	56.0	15.6	33.9	53.5
Thunder	3505N	0.5	--	23	58.5	16.1	34.6	51.7
Thunder	3503	0.3	1.8	24	58.8	15.7	36.2	48.0
Mean			1.9	26	58.4	15.8	35.3	46.4
CV %			--	6.7	0.6	2.6	2.0	8.9
LSD 0.05			--	2	0.5	0.6	1.0	5.8
LSD 0.10			--	2	0.4	0.5	0.8	4.9

Planted: May 22 with a seeding rate of 200,000 pure live seeds. Harvested: Sept.28. Previous crop: spring wheat.

<sup>1</sup>IDC rating = Iron deficiency chlorosis rating: 1 - green, 3 - yellow, 5 - dead tissue.



**Table 39. 2015 Soybean - Conventional - Hettinger - Authors, J. Rickertsen and R. Olson.**

Company/ Brand	Variety	Maturity Group	Plant Height (inch)	Test Weight (lb/bu)	Seed Oil (%)	Seed Protein (%)	Seed Yield	
							2015	3-Yr. Avg. ------(bu/a)-----
NDSU	Ashtabula	0.4	31	54.4	17.9	31.9	25.7	39.9
NDSU	ND Henson	0.0	28	56.2	16.8	34.0	26.4	--
NDSU	Sheyenne	0.7	32	52.3	17.6	31.1	27.9	41.9
NDSU	Traill	00.0	31	56.3	16.2	34.5	25.6	37.5
Mean			31	54.8	17.1	32.9	26.4	39.8
CV %			2.4	1.1	1.2	0.9	4.1	--
LSD 0.05			1.2	1.0	0.3	0.5	1.7	--
LSD 0.10			1.0	0.8	0.3	0.4	1.4	--

Planted: May 5. Harvested: Sept. 10. Previous crop: oat.

**Table 40. 2015 Soybean - Roundup Ready - Hettinger - Authors, J. Rickertsen and R. Olson.**

Company/ Brand	Variety	Maturity Group	Plant Height (inch)	Test Weight (lb/bu)	Seed Oil (%)	Seed Protein (%)	Seed Yield	
							2015	2-Yr. Avg. ------(bu/a)-----
AgVenture	03E3RR	0.3	36	55.2	17.3	34.9	48.2	--
AgVenture	04E4RR	0.4	36	55.3	16.9	34.6	47.0	47.0
AgVenture	05B2RR	0.5	35	54.6	17.2	33.1	50.1	50.1
AgVenture	06K1RR	0.6	36	56.4	16.8	35	43.0	--
AgVenture	08E5RR	0.8	35	56.2	16.8	34	49.5	45.6
AgVenture	09E1RR	0.9	37	55.1	17.1	34.8	43.0	40.6
Integra	20215	0.1	35	55.0	15.7	35.1	53.7	--
Integra	20300	0.3	34	55.1	16.5	34.7	50.6	48.5
Integra	20327	0.3	36	55.6	15.9	36	52.4	--
Integra	20600	0.6	35	55.2	16.4	34	54.4	52.4
Legacy	LS0334	0.3	36	54.7	16.5	35.3	53.4	51.5
Legacy	LS0615	0.6	34	55.2	16.6	35	49.7	--
Legacy	LS0635N	0.6	35	54.9	16.6	35.1	55.0	--
Peterson	15R04	0.4	35	55.1	16.6	34.9	52.2	50.3
Peterson	15R07	0.7	33	54.5	16.3	34.3	50.1	--
Proseed	30-20	0.2	34	54.2	17	35	52.1	52.8
Proseed	11-50	0.5	36	55.3	16.4	34.2	52.2	51.7
REA	61G24	0.1	35	56.1	16.2	35.1	51.2	--
REA	64G94	0.4	38	54.4	17.8	33.2	45.9	--
REA	66G14	0.6	35	54.9	16.2	34.7	51.9	--
REA	R0815	0.8	32	55.0	16.4	34.3	49.0	--
REA	69G14	0.9	35	55.5	16.4	34	48.6	--
Thunder	3503	0.3	36	55.5	16	35.9	49.9	--
Thunder	3205	0.5	35	55.4	16.2	34.2	51.2	--
Thunder	3505N	0.5	35	54.5	16.2	35.2	51.6	--
Thunder	3408N	0.8	33	55.5	16.4	34.5	49.9	--
Mean			35	55.2	16.6	34.7	50.2	49.0
CV %			6.6	0.6	1.9	1.3	6.8	--
LSD 0.05			3.2	0.5	0.5	0.6	4.8	--
LSD 0.10			2.7	0.4	0.4	0.5	4.0	--

Planted: May 13. Harvested: Sept. 27. Previous crop: oat.

**Table 41. 2015 Soybean - Dryland, Roundup Ready - Williston - Authors, J. Bergman, G. Pradhan, D. Amiot and A. Link.**

Company/ Brand	Variety	Maturity Group	Maturity (date)	Plant Height (inch)	Test Weight (lb/bu)	Seed Oil (%)	Seed Protein (%)	Seed Yield 2015 ---(bu/a)---
Dyna-Gro	S02RY74	0.2	9/9	17	57.1	15.1	33.7	25.8
Dyna-Gro	S03RY36	0.3	9/11	14	57.7	14.9	34.9	25.2
Dyna-Gro	S04RY55	0.4	9/13	18	57.1	15.2	33.6	28.0
G2 Genetics	6008R2	00.8	9/7	15	57.5	16.2	30.5	15.8
G2 Genetics	6036	0.3	9/16	15	57.8	16.0	31.8	25.1
G2 Genetics	7063	0.6	9/9	14	57.1	15.9	30.8	20.5
Integra	20084N R2Y	00.8	9/7	17	56.7	15.9	31.0	19.7
Integra	20090 R2Y	00.9	9/7	15	57.2	16.5	29.1	21.3
Integra	20215 R2Y	0.1	9/9	16	57.2	15.5	32.0	24.7
Integra	20300 R2Y	0.3	9/15	16	57.4	15.5	31.1	27.1
Legacy	LS-00835N RR2	00.8	9/9	18	57.1	15.6	32.2	20.8
Legacy	LS-0135 RR2	0.1	9/8	21	57.1	16.4	31.2	23.5
Legacy	LS-0214 RR2	0.2	9/9	17	56.8	15.8	32.4	23.3
Legacy	LS-0334 RR2	0.3	9/15	16	57.4	15.8	31.6	29.4
REA	55G14	00.5	9/7	15	56.0	16.3	30.9	15.0
REA	64G94	0.4	9/8	17	56.5	16.1	31.5	28.9
REA	66G14	0.6	9/15	15	57.2	14.8	32.4	29.8
Syng NK	S007-Y4	00.7	9/7	15	57.4	16.5	30.2	15.2
Syng NK	S02-B4	0.2	9/7	15	57.1	16.2	29.6	19.6
Syng NK	S02-R2	0.2	9/11	15	57.4	15.3	31.7	23.1
Syng NK	S04-D3	0.4	9/10	17	57.6	15.5	32.3	26.9
Thunder	3503	0.3	9/11	14	57.2	15.0	32.9	19.3
Thunder	3601	0.1	9/8	19	57.1	15.9	33.2	24.3
Thunder	Astro	0.0	9/8	16	57.7	15.3	32.3	25.6
Mean			9/10	16	57.2	15.7	31.8	23.2
CV %			1.3	8.6	0.6	2.1	3.7	11.3
LSD 0.05			2.0	1.9	0.5	0.5	1.6	3.7
LSD 0.10			1.7	1.6	0.4	0.4	1.4	3.1

Planted: May 26. Harvested: Sept. 29. Previous crop: spring wheat.

**Table 42. 2015 Soybean - Dryland, Conventional - Williston - Authors, J. Bergman, G. Pradhan, D. Amiot and A. Link.**

Company/ Brand	Variety	Maturity Group	Maturity (date)	Plant Height (inch)	Seed Oil (%)	Seed Protein (%)	Seed Yield 2015 ---(bu/a)---
NDSU	Ashtabula	0.4	9/9	18	15.5	33.0	21.1
NDSU	ND Henson	0.0	9/8	15	14.9	34.6	22.6
NDSU	Sheyenne	0.8	9/13	18	15.0	32.4	28.2
NDSU	Traill	00.0	9/7	18	14.7	36.8	21.5
Mean			9/9	17	15.0	34.2	23.3
CV %			1.2	9.2	2.4	4.3	9.5
LSD 0.05			1.8	2.2	0.5	2.0	3.3
LSD 0.10			1.5	1.8	0.4	1.7	2.8

Planted: May 26. Harvested: Oct. 1. Previous crop: spring wheat.

**Table 43. 2015 Soybean - Irrigated, Roundup Ready - Nesson Valley (Williston REC) - Authors, T. Tjelde and J. Jacobs.**

Company/ Brand	Variety	Maturity Group	Maturity (date)	Seed Oil (%)	Seed Protein (%)	Seed Yield 2015 ---(bu/a)---
Dyna-Gro	S02RY74	0.2	9/15	15.1	36.6	42.8
Dyna-Gro	S04RY55	0.4	9/18	15.6	36.2	63.2
Dyna-Gro	S03RY36	0.3	9/15	15.5	37.6	57.5
Integra	20090 R2Y	00.9	9/15	15.8	35.1	51.5
Integra	20215 R2Y	0.1	9/12	15.4	35.8	49.6
Integra	20300 R2Y	0.3	9/17	15.4	36.0	58.7
Integra	20084N R2Y	00.8	9/15	16.0	35.7	54.6
Legacy	LS-0334 RR2	0.3	9/20	15.3	36.3	56.2
Legacy	LS-0214 RR2	0.2	9/15	15.7	36.2	57.5
Legacy	LS-0135 RR2	0.1	9/13	16.5	35.3	56.6
Legacy	LS-00835N RR2	00.8	9/13	16.1	35.6	47.8
NuTech	7063	0.6	9/19	16.2	34.0	52.6
NuTech	6036	0.3	9/19	16.1	35.1	50.6
NuTech	6008R2	00.8	9/5	16.7	32.9	43.0
REA	61G24	0.1	9/17	15.6	35.8	52.7
REA	R0216	0.2	9/10	16.5	35.7	47.7
Syng NK	S04-D3	0.4	9/15	15.5	35.0	54.4
Syng NK	S02-B4	0.2	9/11	16.2	35.4	47.4
Syng NK	S007-Y4	00.7	8/30	15.9	36.4	64.6
Syng NK	S02-R2	0.2	9/13	15.7	35.8	54.9
Thunder	3503	0.3	9/17	15.5	37.8	63.4
Thunder	3601	0.1	9/11	16.5	35.4	54.6
Thunder	Astro	0.0	9/12	15.4	36.1	44.3
Mean			9/14	15.8	35.7	53.3
CV %			2.3	1.7	2.2	28.9
LSD 0.05			3.8	0.4	1.1	21.8
LSD 0.10			3.1	0.3	0.9	18.2

Planted: May 19. Harvested: Oct. 9. Previous crop: barley.

**Table 44. 2015 Soybean - Irrigated, Conventional - Nesson Valley (Williston REC) - Authors, T. Tjelde and J. Jacobs.**

Company/ Brand	Variety	Maturity Group	Maturity (date)	Seed Oil (%)	Seed Protein (%)	Seed Yield 2015 ---(bu/a)---
NDSU	Ashtabula	0.4	9/19	17.2	33.9	51.9
NDSU	ND Henson	0.0	9/13	17.7	35.1	49.3
NDSU	Sheyenne	0.7	9/21	16.8	34.1	60.3
NDSU	Trall	0.0	9/14	16.6	37.5	41.2
Mean			9/16	17.1	35.2	50.7
CV %			1.3	3.0	1.3	9.3
LSD 0.05			2.5	0.8	0.7	7.4
LSD 0.10			2.0	0.7	0.6	6.0

Planted: May 19. Harvested: Oct. 9. Previous crop: barley.

**For more information on this and other topics, see [www.ag.ndsu.edu](http://www.ag.ndsu.edu)**

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