A843-25 (December 2025)

North Dakota Soybean

Variety Trial Results for 2025 and Selection Guide

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Variety trial data from all NDSU Research Extension Centers for all crops can be found at *www.ag.ndsu.edu/varietytrials* and the variety selection tool at *https://vt.ag.ndsu.edu/*.

Several herbicide traits are represented in the tables as the following: E = Enlist, RR = Roundup Ready, RRXT = RR2Xtend, F = Flex, X or XT = Xtend, GT = glyphosate-tolerant, LL = Liberty Link.

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NDSU EXTENSION NDSU NORTH DAKOTA AGRICULTURAL EXPERIMENT STATION

Fargo, North Dakota

The 2025 soybean growing season in North Dakota was marked by a cool, wet spring that delayed planting and reduced early-season yield potential across much of the state. In several northern and central counties, early rains followed by cloudy, cool weather caused poor emergence, forcing some growers to replant in early June. Despite this rocky start, a number of fields showed strong resilience, and yields still reached mid-40s in bushels per acre by harvest. Weather variability throughout the season, including alternating wet and dry periods, produced highly uneven crop performance, with statewide ratings hovering around 58% “good” but a substantial share in fair condition. Disease and pest issues were generally limited; however, cool, wet soils prolonged iron-deficiency chlorosis in susceptible areas and raised concern for SDS where soybeans followed corn. By mid-November, harvest was nearly complete, and yields mostly ended up in the mid-30s bu/ac range statewide, with better outcomes in fields that received timely moisture and avoided early stress.

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 numbers beneath the columns in tables are derived from the statistical analyses. If the difference between two varieties exceeds the LSD value, it means that with 95% or 90% probability (0.05 or 0.10 level), 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 coefficient of variation is a measure of variability in the trial and is expressed as a percentage. Large CVs mean a large amount of variation that could not be attributed to differences in the varieties. Only compare values within the table and look for trends for the desired trait among different experimental sites and years.

Selection

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 a dry season and normal rainfall conditions is the best way to identify a variety that does relatively well, regardless of growing season weather fluctuations.

Soybean variety selection should be based on maturity, yield, seed quality, lodging, iron-deficiency chlorosis tolerance and disease reactions. 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 riskier 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 greatly reduce yield and percentage of oil.

Soybean Maturity

Soybean plants 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% of the pods have the mature color. Varieties may have a different mature pod color. Usually, harvest can commence approximately seven to 14 days after the soybean crop is physiologically mature. Relative maturity ratings are also 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 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 is primarily 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.

Phytophthora

Phytophthora root rot, caused by the pathogen *Phytophthora sojae*, 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.

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.

P. sojae is a variable pathogen, and many races of the pathogen exist in North Dakota. No specific 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 may have overcome the gene being used, and the gene may not be effective in future plantings.

Similarly, continually rotating effective genes is very important. Lack of gene or crop rotation can speed the development of new *Phytophthora* races. In some North Dakota fields, the pathogen has already 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 over time, the pathogen can become resistant to them. Consequently, fungicide seed treatments and resistance genes should be rotated. The most effective strategy would include planting varieties with genetic resistance, the use of effective fungicide seed treatments, water management (surface and subsurface drainage) and crop rotation.

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 that causes white mold in soybean 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, is preferred for white mold management.

Fungicides are labeled for management/suppression of white mold, but applications must be made on a preventive 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 is a major problem in the eastern part of North Dakota. IDC 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 severely reduce yield potential.

Some varieties are more tolerant of 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 by NDSU during the 2025 season, IDC ratings are provided in Tables 1 and 2.

Soybean Cyst Nematode

Soybean cyst nematode, *Heterodera glycines*, is a small parasitic roundworm that attacks the roots of soybean plants. Nematodes often are undetected because above-ground symptoms are uncommon until a 15% to 30% yield loss has occurred.

SCN has been confirmed in many soybean-growing 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 managing SCN actively.

Crop rotation and resistance are the most important management tools against this disease. The primary source of resistance available in soybean varieties grown in North Dakota is PI88788. While PI88788 is still largely effective in North Dakota, the nematode is slowly adapting to it. Other sources of resistance, such as Peking, will be effective in the vast majority of fields in the state. However, few varieties have sources of resistance other than PI88788. Rotation of resistant varieties will help manage SCN. While rotating between sources is ideal (such as a PI88788 – Peking rotation), it is not always possible. However, because PI88788 is made up of multiple genes, rotating among varieties with PI88788 may limit nematode adaptation. Importantly, the level of resistance in varieties is variable, even if they contain the same source of resistance, so selecting the most resistant variety possible and monitoring the field for SCN is important.

For SCN management, a rotation out of soybean for even one year is beneficial, but two to three years is better. Dry edible bean is the only other SCN-susceptible crop we grow and should not be used as a rotation crop for managing SCN. Nematicide seed treatments are also available and may help manage SCN; however, they are not a substitute for resistance and rotation. More information on soybean cyst nematode can be found at *www.thescncoalition.com*.

Monitoring SCN egg levels by soil sampling is critical for evaluating your management strategies. In general, if egg levels remain approximately the same after a season of soybean, your management strategy is working. If egg levels increase (especially by orders of magnitude) after a season of soybean, adjusting the source of resistance, the rotation crops, the length of rotation and/or considering a nematode-protectant seed treatment may be advised.

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. 2025 NDSU Enlist, GT27, RR and Xtend Soybean Iron-deficiency Chlorosis Trial - Authors, C. M. Dottey, G. Kreutz, and B. Harms.

		IDC score				
Company	Variety	Empire	Nansen	Arthur	Garborg	Average
Alloy/Connect	A01E36/CT0126E	1.8	1.1	2.4	3.6	2.2
Alloy/Connect	A06E36/CT0626E	2.3	1.1	3.1	3.9	2.6
Alloy/Connect	A08E36, CT0826E	2.3	1.2	2.8	3.9	2.5
Alloy/Connect	A10E35/CT1025E	2.6	1.1	2.7	3.9	2.6
Alloy/Connect	A12E33/CT1223E	2.5	1.1	2.6	3.7	2.5
Asgrow	AG009XF6	2.0	1.2	2.3	3.9	2.3
Asgrow	AG05XF4	2.1	1.1	2.1	3.6	2.2
BASF	XO 0094E	1.9	1.3	2.5	3.6	2.3
BASF	XO 0234E	2.3	1.1	2.6	3.8	2.5
BASF	XO 0436E	2.2	1.2	2.5	3.8	2.4
BASF	XO 0554E	2.0	1.1	3.1	3.8	2.5
BASF	XO 0602E	2.3	1.4	3.1	3.9	2.7
BASF	XO 0806E	2.1	1.1	2.9	4.1	2.5
BASF	XO 1095E	2.8	1.2	2.9	3.7	2.7
BASF	XO 1116E	2.3	1.3	2.9	3.8	2.5
BASF	XO 1225E	2.6	1.3	2.7	3.9	2.6
Channel	00526RXF	2.0	1.3	2.8	3.6	2.4
Channel	00924RXF	2.1	1.1	3.2	3.5	2.5
Channel	0218R2X	1.5	1.0	1.9	3.2	1.9
Channel	0325RXF	1.9	1.3	3.0	3.7	2.5
Channel	0525RXF	2.4	1.1	2.9	3.4	2.5
Channel	0823RXF	2.4	1.1	3.0	3.7	2.6
Channel	0924RXF	2.3	1.2	3.0	3.6	2.5
Channel	1024RXF	2.5	1.3	2.6	3.9	2.6
Channel	1224RXF	2.3	1.3	2.3	3.8	2.4
Channel	1326RXF	2.9	1.2	3.3	3.3	2.7
Channel	1524RXF	2.5	1.2	2.8	3.9	2.6
Dahlman Seed	7304XF	2.0	1.3	2.6	3.4	2.3
Dahlman Seed	74009XF	2.4	1.3	3.1	4.1	2.7
Dahlman Seed	7401XF	2.0	1.0	2.4	3.4	2.2
Dahlman Seed	7503XF	2.8	1.4	3.2	3.7	2.8
Dahlman Seed	7508XF	1.9	1.3	2.8	3.8	2.4
Dahlman Seed	7602XF	2.1	1.1	2.4	4.0	2.4
Dahlman Seed	7603XF	2.1	1.3	3.3	4.4	2.8
Dahlman Seed	AE00940	2.4	1.2	3.0	3.6	2.6
Dahlman Seed	AE0260	1.9	1.1	3.3	4.3	2.6
Dahlman Seed	AE0541	2.5	1.2	2.5	3.6	2.5
Dahlman Seed	AE0850	1.8	1.3	2.8	3.7	2.4

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		IDC score				
Company	Variety	Empire	Nansen	Arthur	Garborg	Average
Innvictis Seed Solutions	A0414XF	1.9	1.1	2.7	3.3	2.3
Innvictis Seed Solutions	A0710XF	2.4	1.1	3.1	3.6	2.6
Innvictis Seed Solutions	B0105E	2.1	1.6	2.4	4.1	2.6
Innvictis Seed Solutions	B0335E	2.6	1.3	2.9	3.8	2.7
Innvictis Seed Solutions	B0715E	2.5	1.3	3.1	3.4	2.6
LG Seeds	LGS00905X	2.4	1.5	3.1	3.8	2.7
LG Seeds	LGS0320E3	2.1	1.1	2.8	3.9	2.5
LG Seeds	LGS0360XF	2.6	1.4	3.4	3.9	2.8
Midwest Seed Genetics	E00932	2.6	1.2	2.7	3.8	2.6
Midwest Seed Genetics	E0131	2.3	1.3	2.9	4.2	2.7
Midwest Seed Genetics	E0234	2.6	1.3	2.6	3.9	2.6
Midwest Seed Genetics	E0532	2.4	1.1	3.4	3.5	2.6
Midwest Seed Genetics	E0732	2.4	1.2	2.6	3.8	2.5
Midwest Seed Genetics	E0877	2.2	1.4	2.5	4.2	2.6
Midwest Seed Genetics	E1131	2.6	1.3	3.3	3.9	2.8
Midwest Seed Genetics	E1232	2.4	1.3	2.8	3.4	2.5
Midwest Seed Genetics	E1432	2.6	1.4	3.0	3.6	2.7
Midwest Seed Genetics	E1532	3.4	1.3	3.5	4.1	3.1
Midwest Seed Genetics	F00951	2.0	1.1	3.0	3.8	2.5
Midwest Seed Genetics	F0152	2.0	1.1	2.3	3.6	2.2
Midwest Seed Genetics	F0451	2.3	1.1	2.8	3.8	2.5
Midwest Seed Genetics	F0463	2.5	1.5	3.2	4.3	2.9
Midwest Seed Genetics	F0679	2.6	1.4	3.1	3.3	2.6
Midwest Seed Genetics	F0751	2.7	1.1	2.9	3.9	2.6
Midwest Seed Genetics	F0851	2.4	1.2	2.6	3.6	2.4
Midwest Seed Genetics	F1051	2.3	1.2	2.4	3.8	2.4
Midwest Seed Genetics	F1151	2.8	1.4	2.9	3.6	2.7
Midwest Seed Genetics	F1451	2.5	1.3	2.8	3.7	2.6
Mustang Seeds	10E125	2.0	1.1	2.4	3.5	2.2
Mustang Seeds	06E434	2.0	1.1	2.4	3.8	2.4
Mustang Seeds	13E335	2.5	1.4	2.9	3.5	2.6
Mustang Seeds	XF02515	2.1	1.1	2.6	3.6	2.3
Mustang Seeds	XF04415	2.8	1.2	2.2	3.8	2.5
NDSU	Traill	2.3	1.3	2.7	3.5	2.4
NDSU	ND Benson	2.0	1.3	2.8	3.3	2.3
NDSU	ND Rolette	1.7	1.1	2.0	3.1	2.0
NDSU	ND Stutsm	2.0	1.2	2.9	3.1	2.3
NDSU	ND21008G	2.4	1.1	2.4	2.9	2.2
NDSU	ND2108GT	3.1	1.3	2.9	3.8	2.8
NDSU	ND17009G	3.1	1.4	3.9	3.9	3.1
P3 Genetics	2106E	2.2	1.3	2.8	3.8	2.5
P3 Genetics	2207E	2.9	1.3	3.4	3.6	2.8
P3 Genetics	2311E	2.7	1.2	2.4	3.5	2.5

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		IDC score				
Company	Variety	Empire	Nansen	Arthur	Garborg	Average
P3 Genetics	2510E	2.2	1.6	3.3	3.8	2.7
P3 Genetics	2511E	1.9	1.3	2.4	3.7	2.3
P3 Genetics	2609E	2.0	1.1	2.9	3.7	2.4
P3 Genetics	X2603E	2.4	1.1	3.1	3.6	2.6
P3 Genetics	X2607E	1.8	1.1	2.3	4.2	2.3
Peterson Farms Seed	19EN04	2.1	1.4	2.8	3.9	2.6
Peterson Farms Seed	24XF01	2.0	1.1	2.8	3.6	2.4
Peterson Farms Seed	25EN05	2.1	1.3	2.8	3.9	2.5
Peterson Farms Seed	25EN07	2.1	1.1	2.8	3.4	2.3
Peterson Farms Seed	25EN09	2.5	1.3	2.1	3.7	2.4
Peterson Farms Seed	25EN13	2.6	1.2	2.8	3.7	2.6
Peterson Farms Seed	25XF007	2.3	1.3	2.7	3.4	2.4
Peterson Farms Seed	25XF05	2.4	1.5	2.8	4.1	2.7
Peterson Farms Seed	25XF10	2.7	1.1	3.2	3.5	2.6
Peterson Farms Seed	26XF008	2.8	1.4	3.2	3.6	2.8
Peterson Farms Seed	26XF03	2.1	1.1	2.6	3.6	2.4
Peterson Farms Seed	26XF08	2.6	1.1	1.9	3.8	2.3
Peterson Farms Seed	26XF11	2.5	1.1	3.2	3.8	2.6
Peterson Farms Seed	X26EN10	2.1	1.1	2.7	3.7	2.4
Peterson Farms Seed	X26EN14	2.9	1.6	2.8	3.6	2.7
Peterson Farms Seed	X26XF06	2.0	1.4	2.9	3.8	2.5
Proseed	EL60-083	3.1	1.0	3.4	3.6	2.8
Proseed	EL60-23N	2.1	1.1	3.1	3.7	2.5
Proseed	EL60-33N	1.9	1.1	2.9	3.5	2.3
Proseed	EL60-53N	1.7	1.0	2.5	3.6	2.2
Proseed	EL60-73N	1.9	1.3	2.8	4.1	2.5
Proseed	EL60-93N	2.1	1.2	2.9	3.8	2.5
Proseed	EL61-53N	2.4	1.3	3.1	3.0	2.4
Proseed	XF60-082	1.9	1.1	2.6	3.4	2.3
Proseed	XF60-092	3.0	1.1	2.8	3.8	2.7
Proseed	XF60-22N	1.3	1.1	2.1	3.7	2.1
Proseed	XF60-32N	2.4	1.4	3.3	3.9	2.8
Proseed	XF60-42N	2.1	1.2	2.4	3.8	2.4
Trial Mean		2.3	1.2	2.8	3.7	2.5
C.V. (%)		20.4	21.1	21.5	10.8	17.9
LSD (5%)		0.7	0.4	0.8	0.6	0.1

[1]IDC score was 1-5, with 1-green, 3-yellow, 5-dead tissue.

Table 2. 2025 NDSU Conventional Soybean Iron-deficiency Chlorosis Trial - Authors, C. M. Dottey, G. Kreutz, and B. Harms.

		IDC score				
Company	Variety	Empire	Nansen	Arthur	Garborg	Average
NDSU	Traill	2.4	1.8	2.9	2.8	2.5
NDSU	ND Benson	2.3	1.9	2.9	3.7	2.7
NDSU	ND Rolette	2.3	1.9	2.7	2.8	2.4
NDSU	ND Stutsman	2.8	2.0	2.6	3.1	2.6
NDSU	ND21008GT20	2.6	1.6	2.6	3.3	2.5
NDSU	ND2108GT73	3.3	2.3	3.4	3.3	3.1
NDSU	ND17009GT	3.6	2.1	3.0	3.6	3.1
Richland IFC	MK009	3.1	2.0	2.6	3.4	2.8
Richland IFC	MK0249	2.9	2.1	2.8	3.8	2.9
Richland IFC	MK0603	2.4	2.1	2.9	3.4	2.7
Richland IFC	MK1423	3.4	2.0	3.1	4.1	3.1
Richland IFC	MK146	3.0	2.1	3.4	4.1	3.2
Richland IFC	MK373	2.4	1.7	2.9	3.1	2.5
Richland IFC	MK41	3.3	2.0	3.3	3.7	3.1
Richland IFC	MK808CN	3.1	2.4	3.0	3.5	3.0
Richland IFC	MK9102	2.6	1.7	3.1	2.9	2.6
Richland IFC	Sable	2.2	1.8	2.8	3.3	2.5
Trial Mean		2.8	2.0	2.9	3.4	2.8
C.V. (%)		20.1	17.0	13.5	14.0	16.2
LSD (5%)		0.8	0.5	0.6	0.7	0.1

[1]IDC score was 1-5, with 1-green, 3-yellow, 5-dead tissue.

Table 3. Soybean - Conventional trials conducted in the Central region **Gardner**

Variety	Days to Maturity	Lodging	Seed Weight	Protein	Oil Content	Test Weight	Yield
	days	1-5	lb	%	%	lb/bu	bu/ac
Hana	123.7	1	6.5	38.3	17.4	57	54.9
ND BENSON	129.7	3.3	5.5	35.3	18.3	56.8	46.8
ND DICKEY	130	1	6	35.5	17.4	56	50.5
ND ROLETTE	123	1	7.1	33.5	19.3	56.8	60.1
ND STUTSMAN	133	1.7	7	33.9	18.6	56.7	59.6
P007A68E	122	1	6.9	33.6	20	55.5	58
P02A78E	126	1	6.6	33.9	19	55.5	56
P04A98E	128	1	7.1	34.8	18.5	56.2	60.4
Trial Mean	126.9	1.4	6.6	34.9	18.6	56.3	55.8
C.V. (%)	3	63.7	9.4	4.7	4.7	1.2	9.5
LSD (10%)	1.1	0.7	0.5	1	0.4	0.6	4.1

Planting date 5/12/2025 Previous crop Soybeans

Harvest date 10/1/2025

Table 4. Soybean -Conventional trials conducted in the Central region **Galesburg**

Variety	Days to Maturity	Lodging	Seed Weight	Protein	Oil Content	Test Weight	Yield
	days	1-5	lb	%	%	lb/bu	bu/ac
Hana	121.7	1	4	38.3	16.2	58.5	33.1
ND BENSON	124	1	3.5	37.6	16.9	56.9	29.3
ND DICKEY	128.7	1	3.4	38.2	15.1	57.6	28.7
ND ROLETTE	119	1	4.8	34.7	18.4	57.3	39.6
ND STUTSMAN	131	1	3.7	35.6	17.3	57.4	31
P007A68E	119.3	1	5.1	34.4	19.2	56	42.1
P02A78E	125.7	1	4.8	36.1	17.6	56.4	39.7
P04A98E	129.7	1	3.8	36.4	17.1	56.7	31.8
Trial Mean	124.9	1	4.1	36.4	17.2	57.1	34.4
C.V. (%)	4	0	17.2	4.2	7.2	1.5	16.6
LSD (10%)	3.8	0	0.6	0.9	0.6	0.6	4.6

Planting date 5/8/2025 Previous crop Corn

Harvest date 10/2/2025

Table 5. Soybean - Conventional trials conducted in the Southern region **Milnor**

Variety	Days to Maturity	Lodging	Seed Weight	Protein	Oil Content	Test Weight	Yield
	days	1-5	lb	%	%	lb/bu	bu/ac
AYA	139.7	1	3.3	36.2	17.6	54.1	26.9
MK0603	141	1	2.3	32.7	17.5	46.2	19.2
MK146	147	1	4	34.2	19.1	54.6	32.4
MK41	137	1	3	35.9	17.5	47.8	24.8
MK808CN	142.3	1	3.1	31.6	20.4	52	26.1
MK9102	138.3	1	3	33.6	24.1	56.5	24.9
ND BENSON	136.3	1	3.3	32.7	19.5	53	27.6
ND DICKEY	140.3	1	3.9	33	18.8	54.7	32.4
ND ROLETTE	131.3	1	3.4	33.4	19.3	54.7	28.7
ND STUTSMAN	140.7	1	3.2	32.3	19.1	51.5	26.7
P007A68E	129.7	1	3.6	30.4	21	54.9	30.3
P02A78E	134	1	3.8	32	20.2	45.5	32.2
P04A98E	139.7	1	4.2	32.6	19.7	55.2	35.1
Sable	138.3	1	3.1	33.7	24.3	52.9	25.6
Trial Mean	138.2	1	3.4	33.1	19.9	52.6	28.3
C.V. (%)	3.3	0	31.1	5.8	10.1	12.6	31.2
LSD (10%)	1.9	0	1.6	2.6	0.8	9.8	13.6
Planting date	5/5/2025		Previous crop		Corn		
Harvest date	9/29/2025						

Table 6. Soybean -Conventional trials conducted in the Southern region **Wahpeton**

Variety	Days to Maturity	Lodging	Seed Weight	Protein	Oil Content	Test Weight	Yield
	days	1-5	lb	%	%	lb/bu	bu/ac
AYA	138	1	4.7	38.8	16.6	53.7	39.3
MK0603	134.3	1	5	36.1	17.2	54.9	41
MK146	140.7	1	5.4	37	18.4	54	44.3
MK41	138	1	4.9	37.8	17.6	53.2	39.7
MK808CN	137.7	1	5.3	35.5	19.2	55	43.1
MK9102	139	1	4.8	36.8	23	56.6	39.6
ND BENSON	136.7	1	5	37.8	18.3	53.7	41
ND DICKEY	139	1	5.4	35.4	18.6	53.3	44.5
ND ROLETTE	127.3	1	4.4	35.5	19.6	53.5	35.6
ND STUTSMAN	136	1	4	34.8	19.4	53.5	32.8
P007A68E	124	1.3	4.3	32.9	21.2	53.3	35.2
P02A78E	131.3	1	5.2	34	20.3	53.3	42.3
P04A98E	136.3	1	5.9	35.6	19.2	54.1	48.7
Sable	135.3	1	4	36.8	23	55.4	32.4
Trial Mean	135.3	1	4.9	36.1	19.4	54.1	40
C.V. (%)	3.7	15.1	18	4.5	10	2.1	18.2
LSD (10%)	3.5	0.2	1.2	0.8	0.5	0.9	9.5
Planting date	5/11/2025		Previous crop		Corn		
Harvest date	10/6/2025						

Table 7. Soybean - Herbicide-tolerant (traited) trials conducted in the Central regio Gardner

Variety	Days to Maturity	Lodging	Seed Weight	Protein	Oil Content	Test Weight	Yield
	days	1-5	lb	%	%	lb/bu	bu/ac
B0105E	129.3	1	6.6	36.1	18.5	54.3	56.1
B0335E	132	1	7.6	35	18	55.2	64.2
ND17009GT	128	1	5.8	36.4	18.1	56.1	48.7
ND21008GT20	125.7	1.3	5.9	34.9	18.5	56.7	50.3
ND2108GT73	137	1	6.5	34.3	18.8	56.8	55.5
P007A68E	123.7	1	6.6	34.1	19.7	55.3	55.4
P02A78E	127.3	1	7.4	33.9	19	55.5	62.5
P04A98E	129.3	1	6.7	35.2	18.2	56.1	56.8
XO 0094E	129	1	7.2	34.1	18.2	57.2	60.9
XO 0234E	131	1	7.1	35.6	17.9	56.2	59.9
XO 0554E	134.7	1	7.6	34.1	18.8	55.9	64.6
XO 0602E	133.7	1	8	35.1	17.8	56.6	67.7
XO 1095E	139	1	7	35.2	18.4	55.8	58.7
XO 1116E	139.3	1	6.9	36	18	57.5	57.2
Trial Mean	131.1	1.1	6.8	35.2	18.4	56.2	57.6
C.V. (%)	3.6	43.8	12.9	3.1	3	1.8	12.8
LSD (10%)	1.9	0.6	0.9	0.6	0.4	0.7	7.4
Planting date	5/12/2025		Previous crop		Soybeans		
Harvest date	10/1/2025						

Table 8. Soybean - Herbicide-tolerant (traited) trials conducted in the Central regio Galesburg

Variety	Days to Maturity	Lodging	Seed Weight	Protein	Oil Content	Test Weight	Yield
	days	1-5	lb	%	%	lb/bu	bu/ac
B0105E	126.3	1	4.8	37.4	17.4	55	39.5
B0335E	127.7	1	4.2	35.9	17.1	56.2	34.8
ND17009GT	125.7	1	4.4	36.6	18.2	58.2	36.8
ND18-20092(GT	123	1	3.8	37.2	17.6	56.2	31.4
ND21008GT20	120	1	4.5	35	18	56.8	37.2
ND2108GT73	133	1	3.6	36	17.1	51.6	29.9
P007A68E	118.3	1	5.2	34.6	18.9	45.5	42.6
P02A78E	123	1	4.9	36.4	17.7	56.3	40.1
P04A98E	128.7	1	4.3	36.2	16.9	57.3	36.2
XO 0094E	125.7	1	4.4	35.9	17.2	56.9	35.8
XO 0234E	130.3	1	4.5	35.9	17.5	57.2	37.3
XO 0554E	129	1	3.2	35.9	16.9	56.3	26.8
XO 0602E	129.7	1	3.8	36.8	15.5	58	31.9
XO 1095E	132.7	1	2.9	37.5	15.7	55.9	24.3
XO 1116E	134	1	4.3	37	16.2	58.9	35.4
Trial Mean	127.1	1	4.2	36.3	17.2	55.8	34.7
C.V. (%)	4.1	0	20.4	3	6.4	9.9	20
LSD (10%)	4.2	0	1	1.3	1.2	7.6	8.3
Planting date	5/8/2025		Previous crop		Corn		
Harvest date	10/2/2025						

Table 9. Soybean - Herbicide-tolerant (traited) conducted in the Southern region Milnor

Variety	Days to Maturity	Lodging	Seed Weight	Protein	Oil Content	Test Weight	Yield
	days	1-5	lb	%	%	lb/bu	bu/ac
A0414XF	138.7	1	4.1	32.8	19.3	54.8	34.4
A0744XF	140.3	1	4	31	19.8	53.3	33.2
B0715E	142.3	1	4.2	32.5	19.5	55.1	35.3
ND17009GT	135.3	1	2.5	33.9	17.9	50.9	21.4
ND21008GT20	134.7	1	2.8	33.2	18.3	47.3	23.3
ND2108GT73	142.7	1	3.5	32.4	19.2	48.6	29.1
P007A68E	129.3	1	3.2	30.4	21.3	47.4	26.9
P02A78E	134.3	1	4.7	31.7	20.2	54.8	39.6
P04A98E	138.3	1	4.5	33.2	19.3	55.6	37.6
XO 0436E	138.7	1	5.5	31.8	19.7	55.5	46
XO 0806E	144.3	1	4.7	31.8	19.8	54.8	39.1
XO 1225E	145.7	1	5.6	33.8	18.8	54.5	45.3
Trial Mean	138.6	1	3.9	32.4	19.5	51.8	32.9
C.V. (%)	3.6	0	37.2	4.5	4.2	15.8	37.1
LSD (10%)	3.6	0	1.7	2.1	0.7	11.6	14.3

Planting date 5/5/2025 Previous crop Corn

Harvest date 9/29/2025

Table 10. Soybean - Herbicide-tolerant (traited) conducted in the Southern region Wahpeton

Variety	Days to Maturity	Lodging	Seed Weight	Protein	Oil Content	Test Weight	Yield
	days	1-5	lb	%	%	lb/bu	bu/ac
A0414XF	133.7	1.3	5.7	35.5	19.6	52.4	46.3
A0744XF	140.3	1	7.5	33.1	20.2	53.9	61
B0715E	139.7	1	7.2	34.8	19.2	53.7	59
ND17009GT	133.3	1	4.9	37.6	19.1	56.1	40.5
ND21008GT20	127.3	1.7	5.4	35.1	19.5	54.1	43.7
ND2108GT73	141	1	6.8	35.6	18.8	54.5	56.3
P007A68E	123.7	1	5.4	33.6	21	53.4	44.2
P02A78E	131.7	1.3	7.1	34.2	20.3	53.4	57.6
P04A98E	135.7	1	7.4	35.5	19.2	53.9	61
XO 0436E	137	1	8.6	36.2	19.1	53.3	69.8
XO 0806E	139.7	1	7.8	34.6	19.6	53.5	64.3
XO 1225E	141.3	1	7.7	35.4	18.5	54.1	63
Trial Mean	135.1	1.1	6.7	35.2	19.4	53.9	55
C.V. (%)	4.1	27.9	19.7	3.7	3.8	1.7	19.8
LSD (10%)	2.2	0.4	1.2	0.7	0.5	0.7	10.1

Planting date 5/11/2025 Previous crop Corn

Harvest date 10/6/2025

Table 11. Soybean - Herbicide-tolerant coordinated by Carrington REC and executed by Soybean Breeding team. **Lamoure**

Variety	Days to Maturity	Lodging	Seed Weight	Protein	Oil Content	Test Weight	Yield
	days	1-5	lb	%	%	lb/bu	bu/ac
EL51-03N	143.7	2	8.7	32.9	19.1	55.8	71.3
EL60-73N	140.7	3.3	8.3	33.3	19	55.6	68.6
ND17009GT	134.7	2.7	8	35.2	19.6	59.3	66.2
ND21008GT20	133	4	7.6	33	19.2	56.9	62.8
ND2108GT73	143.7	2.3	8.3	32.9	19.2	56.7	68.6
P007A68E	129.7	2	8.8	31.8	20.4	55.9	72.3
P02A78E	136.7	2.3	9.3	31.9	20.1	56.1	76.5
P04A98E	139	2.3	8.3	32.4	19.4	55.9	68.7
XF50-82N	144.3	2.3	8.2	33.4	19.2	56.6	68
XF51-02N	143.3	1.7	8.4	32.1	19.1	56.4	69.4
XO 0731E	143	2.7	9	34.7	18.9	56.5	74.4
XO 0806	143.3	2	10	32.7	19.4	56.5	81.8
XO 1095E	146	1.3	8.7	33.3	19.2	56.1	70.4
XO 1116E	146.7	3	8.6	34.2	18.6	57.5	68.3
XO 1225E	147	3	8.7	33.3	18.6	55.4	68.8
Trial Mean	140.7	2.5	8.5	33.2	19.2	56.5	69.3
C.V. (%)	3.7	32.2	9.9	3.3	2.5	1.7	9.7
LSD (10%)	1.4	0.8	0.6	0.8	0.3	0.6	4.7

Planting date 5/5/2025 Previous crop Rye

Harvest date 9/29/2025

Table 12. Soybean - GT - Herbicide-tolerant (traited) trials conducted in SCN infested fields Absaraka

Variety	Days to Maturity	Lodging	Seed Weight	Protein	Oil Content	Test Weight	Yield
	days	1-5	lb	%	%	lb/bu	bu/ac
LGS00905XF	105	2.3	3.9	30.9	19.7	52.8	30.8
LGS0320E3	116.5	1	4.2	33.1	19.2	52.7	34.3
LGS0360XF	114.3	1	4.9	32.6	18.6	53.7	39.2
ND17009GT	109.7	1	2.9	33.2	19.9	54.5	23.6
ND18008GT	107.5	1.3	2.6	31.6	19.4	50.2	20.5
ND21008GT20	104	1	2.7	31.2	20	48.5	21.3
ND2108GT73	119.7	1	3.4	32.4	18.5	53.8	27.1
P007A68E	101.7	1	4.1	30.7	20.3	53.4	33
P02A78E	114	1	5.5	31.2	19.6	53.2	44.1
P04A98E	116.3	1	5	33.1	18.6	54	40.7
Trial Mean	110.8	1.2	3.8	32.1	19.3	52.5	30.3
C.V. (%)	5.7	52.7	34.5	3.7	3.7	6.4	34.6
LSD (10%)	4.5	0.8	1.4	1.3	0.7	4.5	10.9
Planting date	5/30/2025		Previous crop		Soybeans		
Harvest date	10/14/2025						

Table 13. Soybean - GT - Herbicide-tolerant (traited) trials conducted in SCN infested fields Colfax

Variety	Days to Maturity	Lodging	Seed Weight	Protein	Oil Content	Test Weight	Yield
	days	1-5	lb	%	%	lb/bu	bu/ac
LGS00905XF	119.3	2	6.2	33.4	19	56.1	52.6
LGS0320E3	123.7	1	7.9	33.4	19.5	55.7	66.3
LGS0360XF	125	1	4	32.7	18.9	54.7	34
ND17009GT	124.3	1	3.5	35.7	18.6	57.3	30.1
ND18008GT	118.8	1.2	4.9	35.1	18.4	56.6	41.3
ND21008GT20	119	1.7	5.6	34.1	18.4	56.5	46.9
ND2108GT73	126.7	1	4.7	32.4	19.4	56	39.7
P007A68E	113.7	1	6.1	32.9	19.8	55.8	51.5
P02A78E	122.3	1	5.7	31.9	20.2	55.1	48.1
P04A98E	123.3	1	7.1	32.3	19.4	55.2	59.4
Trial Mean	121.5	1.2	5.5	33.6	19.1	56	46.8
C.V. (%)	3.4	43.5	25.3	3.8	3.2	1.7	25.2
LSD (10%)	3.4	0.6	1.2	0.7	0.4	1	10
Planting date	5/30/2025		Previous crop		Sunflower		
Harvest date	10/11/2025						

Table 14. Soybean - Roundup Ready **Hettinger**

Company/Br	Variety	Maturity Group	Mature Date	Plant Height	Test Weight	Seed Oil	Seed Protein	Average Yield 2025	Average Yield 2-Yr	Average Yield 3-Yr
				inches	lb/bu	%	%	--- bu/a ---		
NDSU	ND17009GT	00.9	9/22	29	59.0	15.6	38.4	28.3	24.2	30.8
Xitavo	XO 0094E	0.0	9/22	24	58.2	15.5	36.4	41.8	32.1	38.4
Integra	XF0212	0.2	9/20	35	56.9	16.0	36.3	39.9	--	--
Xitavo	XO 0234E	0.2	9/23	26	57.8	15.1	36.6	43.1	34.6	40.0
Channel	0325RXF	0.3	9/23	30	56.3	15.9	35.7	44.4	--	--
Thunder	TX8603N	0.3	9/23	28	56.4	16.1	35.4	42.3	--	--
Fortus	XF0324E	0.4	9/24	27	57.3	15.0	36.2	43.9	--	--
Thunder	TX8304N	0.4	9/23	32	56.8	14.6	37.0	42.6	34.0	--
Xitavo	XO 0436E	0.4	9/23	28	58.0	15.4	37.0	44.4	--	--
Channel	0525RXF	0.5	9/26	31	56.8	15.4	35.4	44.7	--	--
Thunder	TE7405N	0.5	9/27	27	57.4	15.3	36.2	42.7	33.4	--
Thunder	TX8605N	0.5	9/27	30	56.6	16.1	34.9	45.1	--	--
Xitavo	XO 0554E	0.5	9/28	25	57.4	15.7	35.5	45.6	35.2	41.4
Xitavo	XO 0602E	0.6	9/28	27	57.8	14.0	37.1	45.8	35.9	43.0
Xitavo	XO 0731E	0.7	9/29	27	58.5	14.5	37.1	43.0	33.3	41.6
Channel	0823RXF	0.8	9/28	29	57.2	14.8	37.2	44.7	--	--
NDSU	ND2108GT73	0.8	9/29	27	58.6	15.7	35.5	42.5	34.9	42.6
Xitavo	XO 0806E	0.8	9/30	27	58.1	15.4	36.1	42.8	--	--
Channel	0924RXF	0.9	9/28	37	58.3	15.0	37.0	42.1	--	--
Trial Mean			9/25	29	57.5	15.3	36.4	42.7	32.2	38.1
C.V. (%)			0.5	5.8	0.6	2.1	1.2	4.8	--	--
LSD (10%)			1.2	1.5	0.3	0.3	0.4	1.9	--	--

Planting Date: May 30 Harvest Date: October 9 Previous Crop: Barley

Table 15. Soybean - Dryland, Roundup Ready Varieties **Carrington**

Brand	Variety	Maturity Group	Time to Maturity	Plant Height	Oil	Protein	KWT	Seeds / Pound	Test Weight	Yield 2025	Yield 2-yr. Avg.*
			days	inch	%	%	g/1000		lb/bu	bu/a	bu/a
NDSU	ND21008GT20	0.08	110	35	16.8	34.2	120.3	3784	54.6	45.1	47.0
NDSU	ND2108GT73	0.8	122	37	16.4	34.1	105.9	4293	55.5	41.5	52.6
NDSU	ND17009GT	0.09	115	37	16.0	36.5	128.7	3531	56.1	38.6	45.8
Syngenta/NK Seeds	NK02-W8E3	0.2	110	35	17.8	33.6	144.9	3132	54.4	57.6	--
Syngenta/NK Seeds	NK02-Y2XF	0.2	113	38	17.2	33.3	126.8	3598	53.9	55.1	--
Syngenta/NK Seeds	NK03-J1XF	0.3	116	38	16.6	34.4	138.0	3291	54.3	58.7	64.9
Syngenta/NK Seeds	NK04-Q9XF	0.4	120	39	16.7	33.2	133.2	3418	55.2	48.5	--
Syngenta/NK Seeds	NK06-C4XF	0.6	119	40	16.0	33.1	118.7	3822	54.8	55.2	--
Bayer Channel	0325RXF	0.3	116	38	16.8	34.5	130.0	3507	54.1	54.2	--
Bayer Channel	0525RXF	0.5	120	36	16.7	34.2	118.2	3842	53.9	48.8	--
Bayer Channel	CT0126E	0.1	115	36	15.9	35.3	119.2	3808	54.1	49.2	--
Bayer Channel	CT0626E	0.6	121	37	15.6	35.0	134.9	3371	55.1	49.3	--
Wilbur Ellis Co/Integra	XF0212	0.2	115	34	16.5	35.4	126.9	3578	54.4	55.6	62.3
Wilbur Ellis Co/Integra	XF0493	0.4	119	37	16.7	34.8	126.1	3601	54.7	47.6	56.9
Wilbur Ellis Co/Integra	XF0674	0.6	119	38	16.3	34.5	112.8	4030	54.9	47.1	59.0
Wilbur Ellis Co/Fortus	0324E	0.3	118	39	15.9	34.7	117.2	3874	54.5	50.3	--
Thunder Seed	TE7405N	0.5	120	38	16.3	34.5	120.4	3774	54.7	46.5	--
Thunder Seed	TX8605N	0.5	121	37	16.6	33.9	119.4	3806	53.7	54.3	--
Thunder Seed	TX8307N	0.7	121	37	15.2	35.6	114.6	3962	55.8	47.7	60.6
Thunder Seed	TE7407N	0.7	120	37	15.4	36.2	128.2	3547	55.6	50.9	59.6
Proseed	EL60-23N	0.2	118	37	16.1	34.4	116.7	3887	54.4	53.7	--
Proseed	EL60-33N	0.3	120	35	15.9	35.9	109.4	4152	55.1	49.3	--
Proseed	EL60-53N	0.5	118	40	16.5	35.0	113.4	4028	54.1	49.5	--
Proseed	XF60-22N	0.2	117	35	16.5	33.4	126.8	3589	53.9	51.5	--
Proseed	XF60-32N	0.3	116	36	16.3	33.8	109.3	4154	54.3	46.6	--
Proseed	XF60-42N	0.4	115	37	16.8	34.3	132.6	3445	53.9	56.3	--
Dyna-Gro	S03XF36	0.3	116	40	16.9	34.1	134.9	3370	54.1	53.0	--
Dyna-Gro	S07XF86	0.7	120	38	16.7	33.9	125.5	3619	53.8	54.9	--
BASF-Xitavo	XO 0436E	0.4	119	37	15.7	35.9	107.0	4244	55.0	36.3	--
BASF-Xitavo	XO 0554E	0.5	119	38	16.9	34.1	122.8	3704	54.2	49.1	--
BASF-Xitavo	XO 0602E	0.6	121	38	16.0	35.0	130.1	3489	54.8	52.9	--
Trial Mean			118	37	16.4	34.5	123.0	3718	54.6	50.2	--
C.V. (%)			1	6	1.8	1.2	4.7	5	0.6	9.8	--
LSD (10%)			2	3	0.3	0.5	6.8	209	0.4	5.8	--

Planting Date = May 29; Harvest Date = October 2; Previous Crop = Durum

No significant differences in lodging were observed.

* 2-yr. Average is for 2023 and 2025. The 2024 trial was lost to hail.

Table 16. Soybean - Irrigated, Roundup Ready Varieties **Carrington**

Brand	Variety	Maturity Group	Time to Maturity	Plant Height	Oil	Protein	KWT	Seeds / Pound	Test Weight	2025	2-yr. Avg.	3-yr. Avg.
			days	inch	%	%	g/1000		lb/bu			
NDSU	ND21008GT20	0.8	116.25	28.15	16.95	34.83	132.71	3422.78	55.92	45.26	56.4584	57.9699
NDSU	ND2108GT73	0.8	123.25	39.17	17.54	34.43	125.09	3636.25	56.4	48.76	74.8441	70.84824
NDSU	ND17009GT	0.9	115	31.5	17.37	35.82	134.99	3360.42	57.08	46.32	55.4431	55.71812
Wilbur Ellis Co/Integra	XF0493	0.4	120.75	39.37	17.98	34.44	145.39	3126.2	55.78	51.89	69.1406	--
Wilbur Ellis Co/Integra	XF0674	0.6	121	37.99	17.52	34.19	137.64	3306.7	55.47	43.22	--	--
Dyna-Gro	S03XF36	0.3	118	40.55	17.53	34.74	143.16	3171.05	54.81	53.05	--	--
Dyna-Gro	S07XF86	0.7	121	33.07	18.24	33.08	143.31	3174.06	54.59	59.21	--	--
Trial Mean			119.32	35.69	17.59	34.5	137.47	3313.92	55.72	49.67	--	--
C.V. (%)			1.13	5.08	1.32	1.32	4.9	4.94	0.72	10.25	--	--
LSD (10%)			1.65	2.22	0.28	0.56	8.27	200.85	0.49	6.24	--	--

Planting Date = May 29; Harvest Date = October 10; Previous Crop = Field Pea

Table 17. Soybean - Irrigated, Conventional Varieties **Carrington**

Brand	Variety	Mat. Group	Time to Maturity	Plant Height	Oil	Protein	KWT	Seeds / Pound	Test Weight	Yield 2025	Yield 2-yr. Avg.	Yield 3-yr. Avg.
			days	inch	%	%	g/1000		lb/bu	bu/a	bu/a	bu/a
NDSU	ND Stutsman	0.7	119	36	16.6	34.9	118.8	3825	56.2	53.8	60.9	66.0
Richland IF	MK009	0.9	116	35	16.0	34.0	64.9	7001	56.2	40.7	41.3	44.0
Richland IF	MK0249	2.0	116	34	16.5	34.0	90.9	5118	56.0	44.0	44.8	47.9
Richland IF	MK0603	0.6	120	29	14.8	36.4	81.2	5633	55.7	36.0	45.3	53.3
NDSU	ND Benson	0.4	120	38	17.0	36.4	125.3	3627	56.0	42.1	47.5	52.3
NDSU	ND Dickey	0.7	121	40	15.8	36.3	144.6	3143	55.9	49.9	57.8	60.3
NDSU	ND Rolette	00.9	114	38	17.2	34.8	115.3	3945	55.5	49.9	53.4	57.2
NDSU	ND21008GT20 (Check)	00.8	115	31	16.8	34.6	134.9	3374	55.7	47.8	--	--
NDSU	ND2108GT73 (Check)	0.8	123	39	16.9	34.9	120.4	3778	56.6	48.8	--	--
NDSU	ND17009GT (Check)	00.9	117	34	16.9	36.1	139.1	3264	57.2	41.0	--	--
NDSU	ND18-20092 (Check)	0.1	117	37	17.3	35.6	120.5	3768	55.8	44.6		
Trial Mean			118	36	16.8	35.2	122.8	3848	55.7	44.9	--	--
C.V. (%)			1	6	1.8	1.0	7.0	8	0.6	9.8	--	--
LSD (10%)			1	3	0.4	0.4	10.1	362	0.4	5.2	--	--

Planting Date = May 29; Harvest Date = October 10; Previous Crop = Field Pea

No significant lodging occurred.

Table 18. Soybean - Dryland, Conventional Varieties **Wishek**

Brand	Variety	Maturity Group	Plant Height	Oil Content	Protein	Test Weight	Yield 2024	Yield 2025	Yield 2-yr. Avg
			inch	%	%	lb/bu	bu/a	bu/a	bu/a
NDSU	ND Benson	0.4	33.96	17.53	35.61	55.46	51.16	51.64	51.4
NDSU	ND Dickey	0.7	37.01	16.32	35.71	55.2	56.2	55.56	55.88
NDSU	ND Rolette	00.9	37.89	17.09	34.8	55.22	48.9	58.01	53.455
NDSU	ND21008GT20 (Check)	00.8	37.5	17	34.5	55.25		50.67	--
NDSU	ND2108GT73 (Check)	0.8	31	17.36	34.03	55.64		48.91	--
NDSU	ND17009GT (Check)	00.9	38.09	17.4	35.54	56.16		43.22	--
NDSU	ND18-20092(GT SCN) (Check)	0.1	34.84	17.62	35.37	55.36		50.12	
Trial Mean			35.09	17.19	35.11	55.24	49.45	51.29	--
C.V. (%)			9.97	2	1.86	0.67	9.82	6.12	--
LSD (10%)			4.14	0.41	0.77	0.44	5.81	3.71	--

Planting Date = May 28; Harvest Date = October 7; Previous Crop = Wheat

No significant lodging occurred.

Site received frost on September 9 before all lines were mature.

Table 19. Soybean - Irrigated, Roundup Ready Varieties **Carrington**

Brand	Variety	Maturity Group	Time to Maturity	Plant Height	Oil	Protein	KWT	Seeds / Pound	Test Weight	Yield 2023	Yield 2024	Yield 2025	2-yr. Avg.	3-yr. Avg.
			DAP	inch	%	%	g/1000		lb/bu		bu/a			
NDSU	ND21008GT20	0.8	116	28	17.0	34.8	132.7	3423	55.9	61.4	51.5	45.3	56.5	58.0
NDSU	ND2108GT73	0.8	123	39	17.5	34.4	125.1	3636	56.4	82.9	66.8	48.8	74.8	70.8
NDSU	ND17009GT	0.9	115	32	17.4	35.8	135.0	3360	57.1	63.1	47.8	46.3	55.4	55.7
Wilbur Ellis Co/Ir	XF0493	0.4	121	39	18.0	34.4	145.4	3126	55.8	83.1	55.2	51.9	69.1	--
Wilbur Ellis Co/Ir	XF0674	0.6	121	38	17.5	34.2	137.6	3307	55.5			43.2	--	--
Dyna-Gro	S03XF36	0.3	118	41	17.5	34.7	143.2	3171	54.8			53.1	--	--
Dyna-Gro	S07XF86	0.7	121	33	18.2	33.1	143.3	3174	54.6			59.2	--	--
Trial Mean			119	36	17.6	34.5	137.5	3314	55.7	81.1	63.8	49.7	--	--
C.V. (%)			1	5	1.3	1.3	4.9	5	0.7	6.3	6.6	10.3	--	--
LSD (10%)			2	2	0.3	0.6	8.3	201	0.5	7.1	5.0	6.2	--	--

Planting Date = May 29; Harvest Date = October 10; Previous Crop = Field Pea

No significant lodging occurred.

Table 20. Soybean, Roundup Ready - Irrigated **Dickey County, Oakes, ND**

Variety	Brand	Trait	Maturity Group	Days to Maturity	Pod Height	Plant Height	Lodging	Oil	Protein	KWT	Seeds/ Pound	Test Weight	Yield 2023	Yield 2024	Yield 2025	2-yr. Avg.	3-yr. Avg.
				DAP	inch	inch	0-9	%	%	g/1000		lb/bu			bu/a		
ND21008GT20	NDSU	GT	00.8	122	0.5	33.0	4.8	18.9	36.2	185	2,462	55.8	58.0	47.8	48.2	--	--
ND2108GT73	NDSU	GT	0.8	134	2.0	35.5	2.8	18.9	36.7	181	2,529	55.7	80.3	67.0	66.7	66.8	71.3
ND17009GT	NDSU	GT	00.9	123	1.0	35.3	3.3	19.4	37.0	196	2,323	56.3	61.1	48.7	51.4	50.1	53.7
0985XL	Champion Seed	XtendFlex	0.9	134	4.0	38.0	2.3	18.2	37.3	203	2,239	55.7	--	80.6	87.9	84.2	--
PL2E101	Paloma	Enlist E3	1.0	134	3.0	34.5	2.5	18.6	36.3	184	2,472	55.3	--	--	84.7	--	--
1134XL	Champion Seed	XtendFlex	1.2	133	2.5	35.3	1.3	18.8	36.2	195	2,325	56.0	85.8	75.2	79.5	--	--
1305EN	Champion Seed	Enlist E3	1.3	135	1.8	36.8	3.5	19.7	35.8	189	2,398	54.8	--	78.3	73.4	75.9	--
Trial Mean				131	2	35	3	19	36	190.2	2,392	55.7	--	--	70.3	--	--
C.V. (%)				0.44	31.20	2.85	19.35	1.79	0.58	4.59	4.63	1.5	--	--	6.67	--	--
LSD (10%)				0.54	0.62	0.95	0.53	0.32	0.20	8.21	104.2	0.79	--	--	4.41	--	--

Planting Date = May 9; Harvest Date = October 2; Previous Crop = Corn

Table 21. Soybean, Conventional - Irrigated **Dickey County, Oakes, ND**

Variety	Brand	Maturity Group	Days to Maturity	Pod Height	Plant Height	Lodging	Oil	Protein	KWT	Seeds/ Pound	Test Weight	Yield 2025	2-yr. Avg.
			days	inches	inches	0-9	%	%	g/1000		lb/bu		
ND Stutsman	NDSU	0.7	128	2.8	42.0	2.3	19.0	35.9	184	2,463	56.7	77.4	68.9	73.2
12S642	Brushvale Seed	1.2	130	1.8	39.0	2.0	18.1	37.7	194	2,342	56.5	--	70.3	--
14S301	Brushvale Seed	1.4	131	1.8	38.0	4.0	18.0	37.9	193	2,357	56.0	--	72.7	--
Trial Mean			129	2	40	3	18	37	190.2	2,388	56.4	--	70.6	--
C.V. (%)			0.88	39.19	2.91	20.10	0.57	0.56	2.46	2.42	0.54	--	7.7	--
LSD (10%)			1.16	0.83	1.18	0.56	0.11	0.21	4.77	58.9	0.31	--	5.54	--

Planting Date = May 9; Harvest Date = October 2; Previous Crop = Corn

Table 22. Soybean - Roundup Ready **Mandan**

Company/Br	Variety	Maturity Group	Plant Height	Test Weight	Oil Content	Protein	Average Yield 2025	Average Yield 2-Yr	Average Yield 3-Yr
			inches	lb/bu	%	%			
NDSU	ND17009GT	00.9	33	59.6	16.2	33.8	38.5	42.4	44.3
Xitavo	XO 0094E	0.0	27	57.5	16.3	34.1	47.5	50.1	49.8
Integra	XF0212	0.2	36	55.7	15.8	33.7	48.1	--	--
Xitavo	XO 0234E	0.2	32	57.7	16.0	33.7	49.1	52.1	53.0
Channel	0325RXF	0.3	34	56.2	16.2	33.7	48.5	--	--
Thunder	TX8603N	0.3	32	56.3	16.1	34.4	47.4	--	--
Fortus	XF0324E	0.4	28	56.7	15.9	33.8	50.5	--	--
Thunder	TX8304N	0.4	36	56.7	16.0	34.2	47.4	49.8	--
Xitavo	XO 0436E	0.4	31	56.8	15.7	35.4	48.4	--	--
Channel	0525RXF	0.5	35	56.0	16.1	35.0	50.6	--	--
Thunder	TE7405N	0.5	30	55.7	16.4	33.7	54.4	55.1	--
Thunder	TX8605N	0.5	37	56.6	15.7	34.8	51.6	--	--
Xitavo	XO 0554E	0.5	27	56.6	16.1	35.0	50.2	52.7	55.6
Xitavo	XO 0602E	0.6	30	57.0	15.9	34.3	56.3	56.4	58.9
Xitavo	XO 0731E	0.7	30	56.9	15.5	34.6	51.1	53.2	55.6
Channel	0823RXF	0.8	34	56.9	16.4	34.0	55.4	--	--
NDSU	ND2108GT73	0.8	30	58.1	16.0	33.8	46.9	49.3	53.3
Xitavo	XO 0806E	0.8	30	56.2	16.5	33.9	55.5	--	--
Channel	0924RXF	0.9	40	56.8	15.6	34.9	53.8	--	--
Trial Mean			32	56.8	16.0	34.3	49.9	52.1	54.2
C.V. (%)			5.4	1.5	3.1	3.2	6.0	--	--
LSD (10%)			1.6	0.8	0.5	1.0	2.7	--	--

Planting Date: June 10

Harvest Date: October 10

Previous Crop: Spring Wheat

Table 23. Soybean Variety Trial - Irrigated **Nesson**

Cultivar	Brand	Herbicide Trait	Maturity Group	Plant Height	Protein	Test Weight	Grain Yield
				(in)	(%)	(lb/bu)	(bu/a)
0325RXF	Bayer	RR2XF	0.3	32.6	37.4	51.3	50.3
0525RXF	Bayer	RR2XF	0.5	33.6	36.3	51.3	53.0
0823RXF	Bayer	RR2XF	0.8	33.2	38.9	52.6	51.2
XF0493	Wilbur Ellis - Integra	RR2XF	0.2	31.7	37.6	52.1	49.1
XF0212	Wilbur Ellis - Integra	RR2XF	0.4	37.2	37.5	51.9	46.1
0324E	Wilbur Ellis - Fortus	Enlist E3	0.3	28.0	37.5	51.9	51.1
TX8402N	Thunder Seed	RR2XF	0.2	32.7	34.9	51.6	50.5
TE7603N	Thunder Seed	Enlist E3	0.3	26.5	38.3	52.0	49.9
TX8603N	Thunder Seed	RR2XF	0.3	32.9	37.5	51.5	51.0
XO 0094E	BASF	Enlist E3	00.9	27.2	38.4	52.7	46.1
XO 0234E	BASF	Enlist E3	0.2	27.7	37.7	52.3	45.2
XO 0436E	BASF	Enlist E3	0.4	30.2	38.2	52.3	47.2
XF0674	Wilbur Ellis - Integra	RR2XF	0.6	29.9	37.2	51.8	51.2
XO 0554E	BASF	Enlist E3	0.5	26.8	36.9	51.5	39.7
Trial Mean				30.7	37.5	51.9	48.7
C.V. (%)				6.3	1.1	0.7	9.0
LSD (10%)				2.3	0.5	0.4	5.2

Planted: 5/23/2025 Harvested: 10/10/2025
Previous Crop: Spring Wheat Soil Type: Lihen Loamy Fine Sand

Table 24. Soybean Conventional Variety Trial - Dryland **Nesson**

Name	Maturity Group	Plant Height	Protein	Test Weight	Grain Yield
		(in)	(%)	(lb/bu)	(bu)
AG005X8	00.5	28.2	36.2	51.1	38.9
AG0333	0.3	33.1	39.3	51.7	38.4
ND Benson	0.4	31.3	40.0	52.1	34.1
ND Dickey	0.7	32.5	40.2	52.7	37.3
ND Rolette	00.9	31.7	38.4	52.5	34.7
ND14-6120(GT)	00.8	35.2	38.6	51.6	29.1
ND15-22873(GT)	0.8	34.4	38.3	52.5	35.2
ND17009GT	00.9	37.8	39.3	52.7	40.0
Trial Mean		32.0	38.8	52.1	33.4
C.V. (%)		8.2	2.0	0.8	14.0
LSD (10%)		3.1	0.9	0.5	5.6

Location: Ray, ND; Latitude: 48.1619520°N; Longtitude: 103.1061638°W . Altitude: 1899 ft.
Planted 05/22/2025. Soil type: Lihen Loamy Fine Sand
Harvested: 10/10/2025 Previous Crop: Spring Wheat.

Table 25. Soybean - New Salem - Recrop **Dickinson**

Variety	KWT	Seeds per Pound	Test Weight	Oil Content	Protein	Grain Yield
	g/1000		lb/bu	%	%	bu/a
AG0333	92	4,941	60.1	14.8	35.4	41.9
AG005X8	137	3,302	58.3	16.6	33.1	35.9
AG11X8	98	4,647	59.5	15.0	35.0	42.0
ND146120GT	103	4,421	59.7	16.1	34.1	37.6
ND1522873GT	89	5,088	61.3	15.8	33.6	46.0
ND17009GT	121	3,753	61.8	16.3	36.0	38.0
ND1820092GTSCN	88	5,164	60.2	16.5	34.5	36.8
0325RXF	111	4,127	59.6	16.1	34.5	43.2
0525RXF	98	4,660	58.8	15.8	33.8	41.3
0823RXF	96	4,762	59.9	14.9	35.3	44.9
Trial Mean	103	4,486	59.9	15.8	34.5	40.8
C.V. (%)	6.4	6.8	0.6	3.2	2.2	9.4
LSD (10%)	6	281	0.4	0.5	0.7	3.5

Planting Date: May 5, 2025
Harvest Date: October 7, 2025
Protein adjusted to 13% moisture
Oil adjusted to 13% moisture
Previous Crop: corn

Table 26. Soybean - Recrop **Dickinson**

Variety	Days to Mature	Plant Height	Seeds per Pound	KWT	Test Weight	Oil Content	Protein	Grain Yield
		inches		g/1000	lb/bu	%	%	---bu/a---
ND Benson	136	28	5,190	88	56.6	18.4	29.3	30.3
ND Dickey	140	31	4,114	111	56.8	16.4	32.4	38.8
ND Rolette	127	28	4,811	94	57.8	18.7	29.6	41.1
ND17009GT	127	31	3,735	122	59.1	18.4	31.1	31.1
0325RXF	134	30	3,943	115	56.5	18.2	30.2	41.3
0525RXF	138	31	4,376	104	56.5	17.9	28.6	39.1
0823RXF	141	28	4,912	93	56.8	17.1	31.0	43.4
Trial Mean	135	29	4,571	101	57.4	17.8	30.5	35.8
CV (%)	1.3	6.3	5.1	4.7	1.0	2.8	4.1	11.6
LSD (10%)	2	2	213	4	0.5	0.5	1.1	3.8

Planting Date: May 12, 2025
Harvest Date: October 3, 2025
Protein adjusted to 13% moisture
Oil adjusted to 13% moisture
Previous Crop: oat

Table 27. Soybean **Minot**

Company	Variety	Herbicide System	Maturity Group	Days to mature	Lodging	Plant Height	Test Weight	Protein	Oil Content	Yield 2025
				days	1 to 9**	inches	lb/bu	%	%	bu/a
BASF	XO 0094E	Enlist E3	0.0	139	1	23	57.4	32.5	15.6	37.8
BASF	XO 0234E	Enlist E3	0.2	143	1	23	57.5	32.4	15.6	36.2
BASF	XO 0436E	Enlist E3	0.4	143	1	27	57.6	32.2	16.1	44.2
BASF	XO 0554E	Enlist E3	0.5	144	1	24	57.6	31.3	15.9	42.6
Channel	0325RXF	RRXF	0.3	139	1	26	55.8	32.4	15.8	44.6
Channel	0525RXF	RRXF	0.5	140	1	29	56.7	31.3	16.0	44.0
Channel	CT0126E	Enlist E3	0.1	139	1	25	55.8	32.4	15.6	39.6
Channel	CT0623E	Enlist E3	0.6	143	1	25	56.9	32.9	15.6	37.9
Fortus	0324E	Enlist	0.3	137	1	25	56.6	32.6	15.4	40.8
Golden Harvest	GH0225XF	RR2XF	0.2	133	1	27	56.3	32.0	16.2	38.2
Golden Harvest	GH0384XF	RR2XF	0.3	139	1	28	56.7	33.1	15.5	47.3
Golden Harvest	GH0446XF	RR2XF	0.4	143	1	25	58.2	31.6	15.7	42.4
Integra	XF0115	Enlist E3	0.1	134	1	27	56.0	32.1	15.6	40.1
Integra	XF0212	Xtend Flex	0.2	136	1	30	56.6	32.7	15.7	42.1
Integra	XF0493	Xtend Flex	0.4	142	1	25	57.2	31.8	15.7	35.6
NDSU	ND17009GT	GT	0.09	135	1	23	58.6	32.9	16.4	25.3
NDSU	ND21008GT20	GT	0.08	134	1	25	57.4	31.5	16.2	30.7
NK Seeds	NK008-P8XF	Xtend Flex	0.08	132	1	26	56.5	32.7	15.8	43.1
NK Seeds	NK02-Y2XF	Xtend Flex	0.2	138	1	23	56.9	31.1	16.4	38.7
NK Seeds	NK03-J1XF	Xtend Flex	0.3	143	1	27	57.0	32.2	15.8	45.7
NK Seeds	NK04-Q9XF	Xtend Flex	0.4	143	1	25	58.8	31.8	15.7	40.7
NK Seeds	NK06-C4XF	Xtend Flex	0.6	140	1	29	57.5	31.2	14.8	43.1
PROSEED	XF30-092N	Xtend Flex	0.09	134	1	26	57.2	31.3	16.2	46.1
PROSEED	XF40-12	Xtend Flex	0.1	134	1	27	55.9	32.8	15.2	38.0
PROSEED	XF60-092	Xtend Flex	0.09	132	1	26	56.1	32.1	15.6	35.1
PROSEED	XF60-22N	Xtend Flex	0.2	139	1	25	56.2	30.5	16.0	35.2
Thunder Seeds	TE76007	Enlist E3	00.7	132	1	25	57.7	34.2	15.3	36.5
Thunder Seeds	TE7601N	Enlist E3	0.1	138	1	29	55.1	33.2	15.5	40.1
Thunder Seeds	TX8301	XtendFlex	0.1	133	1	22	56.4	31.8	15.5	34.5
Thunder Seeds	TX85008	XtendFlex	00.8	134	1	24	56.4	32.7	15.3	37.2
Trial Mean	--	--	--	138	1	26	56.9	32.2	15.7	39.4
C.V. (%)	--	--	--	2.4	--	10.2	1.0	2.6	2.1	5.3
LSD (10%)	--	--	--	5	--	3	0.8	1.2	0.4	2.8

***Lodging: 1 = none, 9 = lying flat on the ground.*

Planting date: June 3, 2025 *Previous crop: wheat*

Harvest date: October 8, 2025 *Tillage system: no-till*

Seeding rate: 150,000 live seeds/acre *Soil type: Williams loam*

Table 28. Soybean **Rugby**

Company	Variety	Herbicide System	Maturity Group	Lodging	Plant Height	Test Weight	Protein	Oil Content	Yield 2025
				1 to 9*	inches	lb/bu	%	%	bu/a
BASF	XO 0094E	Enlist E3	0.09	1	25	57.4	33.8	16.0	35.1
Fortus	0324E	Enlist E3	0.3	1	25	56.8	33.8	16.0	37.6
Golden Harvest	GH00864XF	RR2XF	0.08	1	28	56.5	34.5	15.8	41.7
Golden Harvest	GH0225XF	RR2XF	0.2	1	27	56.8	33.7	16.2	39.4
Golden Harvest	GH0384XF	RR2XF	0.3	1	31	55.7	34.4	16.0	42.4
Integra	XF0115	XtendFlex	0.1	1	29	56.1	33.4	15.9	43.6
Integra	XF0212	XtendFlex	0.2	1	35	56.1	34.4	16.2	44.5
Integra	XF0493	XtendFlex	0.4	1	28	57.1	33.7	16.2	44.3
NDSU	ND17009GT	GT	0.09	1	26	58.5	35.7	16.6	40.5
NDSU	ND21008GT20	GT	0.08	1	26	57.4	34.0	16.2	37.0
PROSEED	EL40-093N	Enlist E3	0.09	1	25	57.2	33.9	15.8	41.7
PROSEED	XF30-092N	XtendFlex	0.09	1	26	56.1	33.1	16.7	51.6
PROSEED	XF60-092	XtendFlex	0.09	1	30	56.1	33.5	16.2	52.9
PROSEED	XF60-22N	XtendFlex	0.2	1	29	55.4	33.2	15.8	43.5
Thunder Seed	TE76007	Enlist E3	0.07	1	27	57.6	34.9	16.2	47.5
Thunder Seed	TE7601N	Enlist E3	0.1	1	27	55.1	35.2	16.1	40.4
Thunder Seed	TX8402N	XtendFlex	0.2	1	27	55.9	32.6	16.2	40.2
Thunder Seed	TX85008	XtendFlex	0.08	1	27	56.3	33.8	16.0	40.2
Trial Mean	--	--	--	1	28	56.6	34.0	16.1	42.4
C.V. (%)	--	--	--	--	6.5	0.9	1.6	2.1	5.2
LSD (10%)	--	--	--	--	2	0.7	0.7	0.5	3.0

**Lodging: 1 = none, 9 = lying flat on the ground.*

Planting date: May 2, 2025
Harvest date: October 27, 2025
Seeding rate: 150,000 live seeds/acre
Previous crop: soybeans
Tillage system: no-till
Soil type: Gardena silt loam

Table 29. Soybean **Anamoose**

Company	Variety	Herbicide System	Maturity Group	Lodging	Plant Height	Test Weight	Protein	Oil Content	Yield 2025
				1 to 9*	inches	lb/bu	%	%	bu/a
BASF	XO 0234E	Enlist E3	0.2	1	25	56.5	32.9	16.8	59.2
Fortus	0324E	Enlist E3	0.3	1	24	56.1	32.7	16.5	64.8
Golden Harvest	GH0384XF	ExtendFlex	0.3	1	27	55.5	33.2	16.8	48.9
Golden Harvest	GH0446XF	ExtendFlex	0.4	1	25	58.7	31.9	16.8	55.1
Golden Harvest	GH0502XF	ExtendFlex	0.5	1	27	58.3	34.1	15.6	53.3
Integra	XF0212	ExtendFlex	0.1	1	29	55.9	33.3	16.7	53.6
Integra	XF0493	ExtendFlex	0.2	1	25	57.1	33.2	16.4	55.7
Intregra	XF0115	ExtendFlex	0.4	1	26	55.8	32.6	16.2	58.3
NDSU	ND17009GT	GT	0.09	1	22	58.3	35.6	16.9	46.4
NDSU	ND21008GT20	GT	0.08	1	19	57.4	33.4	17.1	32.9
PROSEED	XF40-12	ExtendFlex	0.1	1	27	56.1	32.2	16.5	61.3
PROSEED	XF50-52N	ExtendFlex	0.5	1	24	57.6	33	16.2	50.5
PROSEED	XF50-62N	ExtendFlex	0.6	1	30	56.2	30.6	17.6	54.3
PROSEED	XF60-22N	ExtendFlex	0.2	1	28	55.9	33.1	15.9	56.7
PROSEED	XF60-42N	ExtendFlex	0.4	1	30	55.4	32.2	17.2	57.8
Trial Mean	--	--	--	1	26	56.8	32.9	16.6	54.6
C.V. (%)	--	--	--	--	13.8	1.6	2.9	3.5	6.0
LSD (10%)	--	--	--	--	5	1.3	1.3	0.8	4.5

**Lodging: 1 = none, 9 = lying flat on the ground.*

Planting date: May 28, 2025 *Previous crop: canola*

Harvest date: October 2, 2025 *Tillage system: no-till*

Seeding rate: 150,000 live seeds/acre *Soil type: Barnes-Svea*

Table 30. Soybean **Mohall**

Company	Variety	Herbicide System	Maturity Group	Lodging	Plant Height	Test Weight	Protein	Oil Content	Yield 2025
				1 to 9*	inches	lb/bu	%	%	bu/a
Fortus	0084E	Enlist E3	0.08	1	31	59.1	32.2	15.7	33.5
Fortus	0165E	Enlist E3	0.1	1	29	58.1	34.7	15.9	38.0
Golden Harvest	GH00864XF	XtendFlex	0.08	1	34	58.0	32.0	16.3	39.2
Golden Harvest	GH0225XF	XtendFlex	0.2	1	33	57.2	30.7	15.9	37.6
Golden Harvest	GH0384XF	XtendFlex	0.3	1	33	58.6	32.7	16.2	51.5
Integra	XF0115	XtendFlex	0.1	1	36	57.4	31.5	16.3	41.9
Integra	XF0212	XtendFlex	0.2	1	33	57.9	31.6	15.8	49.5
NDSU	ND17009GT	GT	0.08	1	32	59.1	33.0	15.5	39.2
NDSU	ND21008GT20	GT	0.09	1	32	57.9	31.5	15.9	33.0
PROSEED	XF30-092N	XtendFlex	0.09	1	32	58.7	32.2	15.9	52.2
PROSEED	XF40-12	XtendFlex	0.1	1	35	57.6	31.6	16.0	43.2
PROSEED	XF60-082	XtendFlex	0.08	1	30	57.6	32.3	15.7	44.0
PROSEED	XF60-092	XtendFlex	0.09	1	29	57.3	32.0	15.5	45.0
Thunder Seed	TE76007	Enlist E3	0.07	1	32	58.4	33.6	15.1	50.8
Thunder Seed	TX8301	XtendFlex	0.1	1	29	56.7	31.0	14.5	39.3
Thunder Seed	TX85008	XtendFlex	0.08	1	33	57.8	31.3	15.6	45.3
Trial Mean	--	--	--	1	32	58.0	32.1	15.7	42.7
C.V. (%)	--	--	--	--	10.8	1.3	4.4	3.0	6.9
LSD (10%)	--	--	--	--	5	1.0	2.0	0.6	4.1

**Lodging: 1 = none, 9 = lying flat on the ground.*

Planting date: May 29, 2025 *Previous crop: wheat*

Harvest date: October 27, 2025 *Tillage system: minimum*

Seeding rate: 150,000 live seeds/acre *Soil type: Barnes loam*

Table 31. Soybean **Garrison**

Company	Variety	Herbicide System	Maturity Group	Lodging	Plant Height	Test Weight	Protein	Oil Content	Yield 2025
				1 to 9*	inches	lb/bu	%	%	bu/a
Fortus	0324E	Enlist E3	0.3	1	26	57.6	38.7	13.5	32.7
Golden Harvest	GH0384XF	RR2XF	0.3	1	27	57.7	37.5	14.3	35.9
Golden Harvest	GH0446XF	RR2XF	0.4	1	28	57.2	36.8	14.4	34.8
Golden Harvest	GH0502XF	RR2XF	0.5	1	29	57.5	39.0	13.0	32.7
Integra	XF0115	Xtend Flex	0.1	1	32	57.4	35.9	14.5	38.6
Integra	XF0212	Xtend Flex	0.2	1	33	57.7	37.5	14.8	33.6
Integra	XF0493	Xtend Flex	0.4	1	28	58.3	37.1	15.0	36.1
NDSU	ND17009GT	GT	0.09	1	32	57.6	38.9	14.4	33.6
NDSU	ND21008GT20	GT	0.08	1	32	57.7	37.6	14.4	32.1
NKSeeds	NK008-P8XF	Xtend Flex	0.08	1	30	57.7	36.8	14.8	40.3
NKSeeds	NK02-Y2XF	Xtend Flex	0.2	1	28	57.1	36.6	14.8	35.8
NKSeeds	NK03-J1XF	Xtend Flex	0.3	1	29	57.1	37.0	14.7	40.0
NKSeeds	NK04-Q9XF	Xtend Flex	0.4	1	26	58.9	36.2	14.7	39.5
NKSeeds	NK06-C4XF	Xtend Flex	0.6	1	26	57.2	36.3	13.7	37.1
PROSEED	XF30-092N	Enlist E3	0.09	1	27	58.3	36.5	15.0	40.1
PROSEED	XF40-12	XtendFlex	0.1	1	31	57.6	35.7	14.7	39.6
PROSEED	XF60-082	XtendFlex	0.08	1	35	57.0	35.7	15.2	35.7
PROSEED	XF60-092	Enlist E3	0.09	1	29	59.1	36.1	15.2	40.3
Thunder Seed	TE7405N	Enlist E3	0.5	1	26	57.3	36.7	14.8	35.6
Thunder Seed	TE7603N	XtendFlex	0.3	1	25	57.7	40.7	12.2	31.3
Thunder Seed	TX8304N	XtendFlex	0.4	1	31	57.1	38.2	13.5	33.5
Thunder Seed	TX8603N	XtendFlex	0.3	1	27	57.7	38.6	14.0	33.6
Trial Mean	--	--	--	1	29	57.7	37.3	14.3	36.0
C.V. (%)	--	--	--	--	9.5	1.4	2.5	3.6	5.3
LSD (10%)	--	--	--	--	4	1.1	1.3	0.7	2.6

**Lodging: 1 = none, 9 = lying flat on the ground.*

Planting date: May 30, 2025 *Previous crop: wheat*

Harvest date: October 1, 2025 *Tillage system: no-till*

Seeding rate: 150,000 live seeds/acre *Soil type: Williams Bowbells loam*

Table 32. Soybean - RR2XF, Enlist and GT - 2025 **Langdon**

Brand	Variety	Herb. Trait[1]	Maturity Group[1]	Maturity	Plant Height	Oil	Protein	------Yield------ 2024	2025	2-yr Avg
				date[2]	in	%	%	------bu/a-----		
Channel	00526RXF	RR2XF	00.5	09/18	36	15.6	33.4	--	53.4	--
Channel	00924RXF	RR2XF	00.9	09/24	36	14.9	33.6	56.6	58.4	57.5
Dyna-Gro	S009XF33	RR2XF	00.9	09/21	31	15.0	33.7	--	53.6	--
Dyna-Gro	S01XF25	RR2XF	0.1	09/24	39	15.1	33.3	61.5	55.1	58.3
Fortus	0084E	Enlist E3	00.9	09/29	32	15.2	34.9	68.6	56.7	62.7
Fortus	0086E	Enlist E3	0.8	09/28	34	16.1	32.8	--	59.7	--
Fortus	0165E	Enlist E3	0.1	09/28	34	15.2	35.0	64.6	56.9	60.8
Golden Harvest	GH00973E3	Enlist E3	00.9	09/26	31	15.1	35.0	69.2	56.8	63.0
Golden Harvest	GH0116E3	Enlist E3	0.1	09/26	36	15.3	34.7	--	57.6	--
Integra	XF0063	RR2XF	0.6	09/11	32	15.9	32.9	52.7	55.7	54.2
Integra	XF0115	RR2XF	0.1	09/25	40	14.7	34.7	--	58.9	--
Legacy	L00860E	Enlist E3	0.8	09/29	33	14.9	35.9	--	58.3	--
Legacy	L0160E	Enlist E3	0.1	09/30	33	15.4	34.3	--	58.2	--
Legacy	LS0098-23 XF	RR2XF	00.9	09/27	35	16.4	32.5	69.4	56.5	63.0
Legacy	LS014-23 XF	RR2XF	0.1	09/25	37	15.3	33.2	58.8	52.5	55.7
Legacy	LS024-25 XF	RR2XF	0.2	09/28	34	15.8	31.5	--	57.8	--
Legacy	LS034-24 XF	RR2XF	0.2	09/29	36	16.3	32.2	71.7	59.8	65.7
NDSU	ND17009GT	GT	00.9	09/24	38	16.7	34.9	48.5	46.8	47.6
Proseed	EL50-13N	Enlist E3	0.1	09/26	34	15.0	35.5	--	61.3	--
Proseed	EL60-083	Enlist E3	0.8	09/26	36	15.3	35.1	--	61.0	--
Proseed	XF30-092N	RR2XF	00.9	09/26	38	16.0	33.3	66.0	63.6	64.8
Proseed	XF60-082	RR2XF	0.8	09/24	39	15.5	33.3	--	57.8	--
Proseed	XF60-092	RR2XF	00.9	09/25	38	15.1	34.0	--	58.5	--
Thunder Seed	TE76007	Enlist E3	0.7	09/20	35	15.2	35.7	--	54.3	--
Thunder Seed	TE7601N	Enlist E3	0.1	09/27	36	15.8	34.2	--	56.8	--
Thunder Seed	TX8301	RR2XF	0.1	09/22	31	15.4	34.4	--	54.6	--
Thunder Seed	TX8402N	RR2XF	0.2	09/24	36	15.2	33.2	55.7	53.9	54.8
Thunder Seed	TX85008	RR2XF	0.8	09/25	38	15.2	34.3	62.1	57.7	59.9
Xitavo	XO 0094E	Enlist E3	0	09/29	35	15.0	35.4	65.7	60.2	62.9
Trial Mean				09/25	34.9	15.5	34.0	61.8	56.1	
C.V. (%)				2.5	4.8	0.2	0.6	4.6	4.3	
LSD (10%)				1.8	11.6	1.2	1.4	6.3	6.6	

Planting Date: May 27 Harvest Date: October 3 Previous Crop: Barley

Soil Type: Svea-Barnes loam [1]Herbicide Trait and Maturity Group provided by company

[2]Date of physiological maturity at R7 stage (one brown pod on the main stem obtains mature brown or tan color).

Table 33. Soybean - RR2XF, Enlist and GT - 2025 **Cavalier-Pembina County**

Brand	Variety	Herb. Trait[1]	Maturity Group[1]	Maturity	Plant Height	Oil	Protein	Yield 2023	Yield 2025	Yield 2-yr Avg.
				date[2]	in	%	%	bu/a	bu/a	bu/a
Channel	00526RXF	RR2XF	00.5	09/19	37	15.5	33.8	--	52.1	--
Channel	00924RXF	RR2XF	00.9	09/20	41	15.4	33.0	--	57.8	--
Dyna-Gro	S009XF33	RR2XF	00.9	09/22	32	15.3	34.1	55.8	52.8	54.3
Dyna-Gro	S01XF25	RR2XF	0.1	09/22	42	15.5	33.6	--	54.6	--
Golden Harvest	GH00973E3	Enlist E3	00.9	09/22	34	15.2	35.0	57.9	54.3	56.1
Golden Harvest	GH0116E3	Enlist E3	0.1	09/24	37	15.2	35.8	--	55.1	--
Integra	XF0063	RR2XF	0.6	09/20	37	15.4	33.9	56.3	52.5	54.4
Legacy	L00860E	Enlist E3	0.8	09/24	35	15.7	34.3	--	50.5	--
Legacy	L0160E	Enlist E3	0.1	09/26	35	15.8	33.8	--	57.8	--
Legacy	LS0098-23 XF	RR2XF	00.9	09/24	36	16.2	33.0	61.2	49.5	55.4
Legacy	LS014-23 XF	RR2XF	0.1	09/23	40	14.9	34.8	61.3	49.3	55.3
Legacy	LS024-25 XF	RR2XF	0.2	09/23	40	15.6	33.7	--	58.8	--
Legacy	LS034-24 XF	RR2XF	0.2	09/24	39	16.0	33.6	--	57.2	--
NDSU	ND17009GT	GT	00.9	09/23	37	15.8	36.0	53.2	48.6	50.9
Proseed	EL50-13N	Enlist E3	0.1	09/24	37	15.5	34.5	--	54.3	--
Proseed	XF30-092N	RR2XF	00.9	09/22	38	16.6	33.0	62.7	54.7	58.7
Proseed	XF60-092	RR2XF	00.9	09/22	26	15.5	33.8	--	54.1	--
Proseed	XF60-22N	RR2XF	0.2	09/23	38	15.7	32.5	--	57.8	--
Thunder Seed	TE76007	Enlist E3	0.7	09/19	37	15.7	35.3	--	48.0	--
Thunder Seed	TE7601N	Enlist E3	0.1	09/24	40	15.7	35.4	--	56.1	--
Thunder Seed	TX8301	RR2XF	0.1	09/22	34	15.2	34.1	58.1	53.7	55.9
Thunder Seed	TX8402N	RR2XF	0.2	09/21	40	15.7	33.1	57.8	51.3	54.5
Thunder Seed	TX85008	RR2XF	0.8	09/21	36	15.6	34.1	--	52.9	--
Xitavo	XO 0094E	Enlist E3	0	09/25	35	16.3	33.5	58.8	57.7	58.3
Trial Mean				09/22	36.4	15.6	34.1	57.6	53.0	
C.V. (%)				1.7	3.4	0.4	0.7	4.5	4.8	
LSD (10%)				1.2	8.0	1.8	1.5	6.7	7.7	

Planting Date: May 31 Harvest Date: October 9

There was no data in 2024 No-till trial

Previous Crop: HRSW [1]Herbicide Trait and Maturity Group provided by company

Soil Type: Svea-Barnes loam

[2]Date of physiological maturity at R7 stage (one brown pod on the main stem obtains mature brown or tan color).

Table 34. Soybean - Conventional 2025 **Park River - Walsh County**

Brand	Variety	Maturity Group[1]	Maturity	Plant Height	Oil	Protein	Yield 2024	Yield 2025	Yield 2-yr Avg.
			Date[2]	in	%	%	bu/a	bu/a	bu/a
NDSU	ND Rolette	00.9	09/19	32	16.2	34.7	62.0	66.3	64.1
Richland IFC	MK009	00.9	09/20	31	15.1	34.2	51.7	46.3	49.0
Richland IFC	MK0249	0.2	09/22	26	15.7	33.7	52.1	45.3	48.7
Trial Mean			09/20	29.6	15.8	34.9	59.7	48.9	
C.V. (%)			1.3	6.4	0.4	0.6	7.8	10.6	
LSD (10%)			5.3	2.0	2.1	1.5	5.6	17.8	

Planting Date: May 28 [1]Maturity Group provided by company

Previous Crop: Wheat [2]Days to physiological maturity at R7 stage(one brown pod on the

Soil Type: Antler clay loam

Table 35. Soybean - RR2XF, Enlist and GT **Park River - Walsh County**

Brand	Variety	Herb. Trait[1]	Maturity Group[1]	Maturity date[2]	Plant Height	Oil	Protein	Yield 2024	Yield 2025	Yield 2-yr Avg.
					in	%	%	bu/a	bu/a	bu/a
Channel	00924RXF	RR2XF	00.9	09/18	32	15.8	33.8	61.3	54.9	58.1
Channel	0325RXF	RR2XF	0.3	09/21	32	16.4	34.4	71.3	60.4	65.9
Dyna-Gro	S01XF25	RR2XF	0.1	09/18	33	15.6	34.5	70.2	56.5	63.3
Dyna-Gro	S03XF36	RR2XF	0.3	09/21	31	16.2	34.6	--	61.5	--
Fortus	0084E	Enlist E3	00.9	09/20	30	15.6	35.7	67.5	55.7	61.6
Fortus	0086E	Enlist E3	00.8	09/19	29	16.5	34.6	--	47.5	--
Fortus	0165E	Enlist E3	0.1	09/19	31	16.3	35.4	69.1	60.7	64.9
Fortus	0324E	Enlist E3	0.3	09/22	30	16.0	34.2	61.3	58.1	59.7
Fortus	0544E	Enlist E3	0.5	09/25	32	16.6	33.3	64.6	61.6	63.1
Golden Harvest	GH0225XF	RR2XF	0.2	09/20	30	16.1	34.6	59.8	56.1	57.9
Golden Harvest	GH0384XF	RR2XF	0.3	09/22	33	16.2	34.5	56.1	56.7	56.4
Integra	XF0115	RR2XF	0.1	09/19	34	15.9	34.4	67.5	55.4	61.4
Integra	XF0493	RR2XF	0.4	09/22	32	16.0	34.6	66.6	54.9	60.7
Legacy	L0360E	Enlist E3	0.3	09/23	29	16.2	34.6	--	54.4	--
Legacy	L0380E	Enlist E3	0.3	09/22	33	16.6	34.3	--	57.5	--
Legacy	LS014-23 XF	RR2XF	0.1	09/19	32	15.8	34.4	69.0	52.6	60.8
Legacy	LS024-25XF	RR2XF	0.2	09/20	32	16.2	33.8	--	56.2	--
Legacy	LS034-24 XF	RR2XF	0.2	09/20	32	16.6	34.2	76.2	57.1	66.7
NDSU	ND17009GT	GT	00.9	09/19	33	16.2	37.1	62.4	50.4	56.4
Proseed	EL 50-13N	Enlist E3	0.1	09/19	29	15.4	35.8	70.2	48.9	59.5
Proseed	EL 50-33N	Enlist E3	0.3	09/23	31	16.1	34.1	63.4	53.9	58.7
Proseed	EL60-33N	Enlist E3	0.3	09/22	34	16.5	34.6	--	56.7	--
Proseed	XF 40-12	RR2XF	0.1	09/20	31	15.7	34.5	68.1	54.1	61.1
Proseed	XF60-22N	RR2XF	0.2	09/19	31	15.9	33.8	--	59.3	--
Thunder Seed	TE7405N	Enlist E3	0.5	09/25	34	16.8	33.4	--	60.1	--
Thunder Seed	TE7603N	Enlist E3	0.3	09/23	29	15.3	34.8	--	57.1	--
Thunder Seed	TX8402N	RR2XF	0.2	09/19	32	15.9	34.1	--	57.9	--
Thunder Seed	TX8603N	RR2XF	0.3	09/21	30	16.6	34.6	--	55.5	--
Thunder Seed	TX8605N	RR2XF	0.5	09/21	34	16.8	33.0	--	61.2	--
Trial Mean				09/21	31.3	16.1	34.5	64.3	55.2	
C.V. (%)				1.5	2.4	0.5	0.8	7.1	4.4	
LSD (10%)				1.1	6.4	1.7	1.4	9.4	6.8	

Planting Date: May 28

Harvest Date: October 10

Previous Crop: Wheat

Soil Type: Bearden Silty Clay Loam

[1]Herbicide Trait and Maturity Group provided by company

[2]Date of physiological maturity at R7 stage (one brown pod on the main stem obtains mature brown or tan color).

Table 36. Soybean - RR2XF, Enlist and GT - 2025 **Pekin - Nelson County**

Brand	Variety	Herb. Trait[1]	Maturity Group[1]	Maturity date[2]	Plant Height	Oil	Protein	Yield 2024	Yield 2025	2-yr Avg.
					in	%	%	bu/a	bu/a	bu/a
Channel	0325RXF	RR2XF	0.3	09/22	36	15.0	36.9	58.4	52.3	55.3
Dyna-Gro	S01XF25	RR2XF	0.1	09/19	35	14.9	35.7	--	46.1	--
Dyna-Gro	S03XF36	RR2XF	0.3	09/20	37	15.1	37.3	--	53.9	--
Fortus	0084E	Enlist E3	00.9	09/22	33	14.1	37.8	48.4	50.0	49.2
Fortus	0086E	Enlist E3	00.8	09/19	31	14.6	37.2	--	50.1	--
Fortus	0165E	Enlist E3	0.1	09/19	32	14.5	38.0	46.5	46.0	46.3
Fortus	0324E	Enlist E3	0.3	09/21	35	14.7	36.9	50.7	51.7	51.2
Fortus	0544E	Enlist E3	0.5	09/24	31	14.5	37.2	49.4	45.3	47.3
Golden Harvest	GH0384XF	RR2XF	0.3	09/21	37	15.0	36.0	62.5	54.4	58.5
Golden Harvest	GH0446XF	RR2XF	0.4	09/23	34	15.4	35.1	--	59.7	--
Integra	XF0115	RR2XF	0.1	09/20	35	14.5	36.1	51.7	52.7	52.2
Integra	XF0493	RR2XF	0.4	09/24	35	14.9	37.0	46.1	51.7	48.9
Legacy	L0360E	Enlist E3	0.3	09/21	32	14.7	37.1	--	46.0	--
Legacy	L0380E	Enlist E3	0.3	09/23	23	14.2	38.5	--	45.0	--
Legacy	LS014-23 XF	RR2XF	0.1	09/20	33	14.8	35.9	--	44.7	--
Legacy	LS024-25 XF	RR2XF	0.2	09/22	29	14.6	36.3	--	49.4	--
Legacy	LS034-24 XF	RR2XF	0.2	09/21	37	15.2	36.4	61.6	52.9	57.3
NDSU	ND17009GT	GT	00.9	09/22	29	15.6	37.6	47.0	44.0	45.5
Proseed	EL50-13N	Enlist E3	0.1	09/18	31	14.2	38.1	--	45.9	--
Proseed	EL50-33N	Enlist E3	0.3	09/23	29	14.8	36.7	56.6	44.3	50.5
Proseed	EL60-33N	Enlist E3	0.3	09/24	24	14.2	38.4	--	44.4	--
Proseed	XF60-22N	RR2XF	0.2	09/21	33	14.4	35.8	--	53.4	--
Proseed	XF60-32N	RR2XF	0.3	09/21	33	14.7	35.9	--	47.8	--
Thunder Seed	TE7405N	Enlist E3	0.5	09/25	34	15.2	36.0	--	48.6	--
Thunder Seed	TE7603N	Enlist E3	0.3	09/23	31	14.1	37.5	--	50.4	--
Thunder Seed	TX8402N	RR2XF	0.2	09/20	38	15.1	35.1	--	46.6	--
Thunder Seed	TX8603N	RR2XF	0.3	09/21	36	14.7	37.3	--	55.9	--
Thunder Seed	TX8605N	RR2XF	0.5	09/24	35	15.0	36.2	--	53.7	--
Xitavo	XO 0094E	Enlist E3	0.0	09/22	33	14.3	38.0	51.0	50.1	50.5
Xitavo	XO 0234E	Enlist E3	0.2	09/21	34	14.6	37.8	60.7	47.4	54.1
Trial Mean				09/21	32.1	14.8	36.8	53.0	48.8	
C.V. (%)				1.6	3.3	0.2	0.4	5.2	4.5	
LSD (10%)				1.2	8.6	1.3	1.0	8.1	7.8	

Planting Date: May 29 Harvest Date: October 10 Previous Crop: Barley

Soil Type: Svea-Cresbard loam [1]Herbicide Trait and Maturity Group provided by company

[2]Date of physiological maturity at R7 stage (one brown pod on the main stem obtains mature brown or tan color).

Data includes only released varieties. Experimental lines are not included. Statistics reflect the entire trial.

For more information on this and other topics, see www.ndsu.edu/extension

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