

2025

SOYBEAN

VARIETY YIELDS & PRODUCTION PRACTICES



2025 SOYBEAN VARIETY YIELDS AND PRODUCTION PRACTICES

Soybean production guidelines are prepared by LSU AgCenter cooperating personnel from Louisiana Agricultural Experiment Station researchers and by Louisiana Cooperative Extension Service specialists.

VARIETY SELECTION

Variety selection is not a decision to be made lightly as it is the most important decision facing a producer going into the season. No other input can radically change the yield potential to the extent that variety selection can. This decision can be daunting, but through the LSU AgCenter, producers do have information at their disposal to improve this decision-making process.

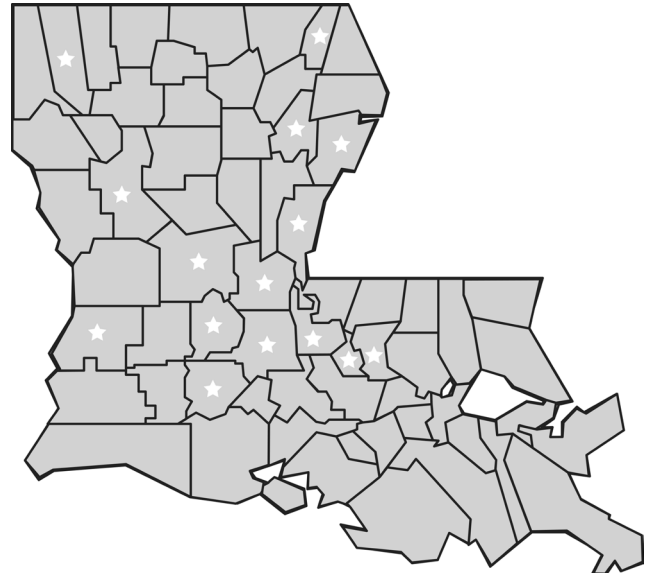
Fortunately, growers in Louisiana have two types of multi-environment data to use when selecting varieties. The official variety trials (OVT) are small-plot trials where varieties are evaluated. For the 2024 OVT, 91 varieties were entered by 11 seed companies and two university soybean breeding programs. The varieties consisted of several different herbicide technologies, and the maturity groups (MG) range from 3.9 to 5.7. The trial was conducted at six research stations across the state in different soil types, including sandy loam, silt loam and silty clay loam.

In addition to the OVT, the LSU AgCenter collaborates with soybean producers to evaluate soybean varieties on farms. For these core-block demonstrations, LSU AgCenter parish agents cooperate with producers to plant, maintain and harvest strip trials submitted by seed companies. These demonstrations provide valuable yield data from local growing conditions and agronomic practices. The core-block program is designed to evaluate a select number of soybean varieties in large plots located across the state. In some cases, observations from these large plots can result in identification of varieties that are resistant to a number of soilborne maladies. Six seed companies submitted varieties for the 2024 core-block demonstrations. A total of 25 demonstrations were planted across 13 parishes. The demonstrations were divided by maturity group (MG). A demonstration consisted of varieties with a MG of 4.1 to 4.4, 4.5 to 4.9, or 5.0 to 5.5. The numbers of varieties submitted for each MG were six (MG 4.1 to 4.4), 11 (MG 4.5 to 4.9) and six (MG 5.0 to 5.5).

The OVT and the core-block demonstrations allow producers to select from the large number of varieties in the OVT and from varieties tested in environments similar to their farms. We would advise growers to make all variety decisions based on multi-environment and multi-year (when possible) data to identify stable varieties that perform well over a range of environments.

For best use of this guide, we recommend evaluating variety yield results based on performance and stability. Performance refers to identifying the varieties that are high yielding in environments that best represent your local farm. Stability refers to the performance of a variety across multiple environments. It is important for growers to consider both factors when making variety decisions.

2024 SOYBEAN CORE BLOCK PARISHES



OTHER VARIETAL CHARACTERISTICS

Variety yield potential is an important trait in selecting a variety, but other varietal characteristics should also be considered. How these criteria rank in importance to the grower may vary from one grower to the next and may vary from one field to the next. Several of these criteria for variety selection are discussed below.

Herbicide Tolerance and Weed Management Programs

Six different herbicide tolerances are available in soybean in 2025. They are Roundup Ready, Enlist, Liberty

Link and STS/BOLT. Both Xtend and XtendFlex soybean varieties will be available for purchase, but no dicamba formulation is currently registered for use; therefore, dicamba cannot be legally applied. Roundup Ready is tolerant to glyphosate; Enlist is tolerant to glyphosate, glufosinate and 2,4-D choline; Liberty Link is tolerant to glufosinate; STS/BOLT is tolerant to glyphosate and higher rates of Classic and other ALS-herbicides; Xtend is tolerant to glyphosate and Engenia, Tavium and XtendiMax; and XtendFlex is tolerant to glyphosate, glufosinate, and Engenia, Tavium, and XtendiMax. At the time of this publication, Engenia, Tavium and XtendiMax are not registered for use in Xtend or XtendFlex soybean. If multiple herbicide technologies are utilized by a producer, they should be careful in their planning because there is no cross tolerance among the varieties. Regardless of the herbicide-tolerant technology utilized, application of a residual herbicide prior to soybean emergence followed by a post-emergence application of a residual herbicide that is tank-mixed with a nonselective herbicide is the best strategy to manage herbicide-resistant weeds. For Enlist varieties, the company website should be consulted prior to mixing herbicides to ensure whether the desired herbicide combination is legal. Applications of Enlist One or Enlist Duo require specific spray nozzles; therefore, check the company website to ensure spray nozzles are legal. Research has shown that maintaining soybean weed-free for the first five weeks after emergence can maximize yield and the best program to accomplish this is use of residual herbicides preemergence and postemergence.

Disease Resistance

Soybean varieties differ in susceptibility to diseases and nematodes. Aerial blight is an important foliar disease south of Alexandria and is becoming more of an issue in northern parishes. Cercospora leaf blight is a major disease throughout the state. Frogeye leaf spot has been less of an issue in recent years because of resistant varieties but can be found annually. These, and other foliar diseases, may cause significant yield losses and harvest delays. Soilborne diseases may also be a problem in any given year. Sudden death syndrome (SDS) has been confirmed in Louisiana, but it is not widespread and is rarely seen. A soilborne disease with similar foliar symptoms as SDS known as taproot decline (TRD) has been confirmed by pathologists. Data from a specialized TRD variety trial is available in this publication. Phytophthora root rot is an isolated issue and is more prevalent in clay or poorly drained soils. Root-knot nematode is prevalent in sandy soils and is an annual problem in certain areas. When these and other diseases occur in official variety trials, ratings are conducted to identify potential sources of resistance, making variety selection the most economical way for producers to manage diseases. Specialized variety trials may be conducted in certain areas to target specific diseases, such as the taproot decline variety screening at Macon Ridge Research Station.

Insects

Soybeans are vulnerable to a range of insect pests including stink bugs (such as redbanded stink bug, brown stink bug, green stink bug and southern green stink bug), threecornered alfalfa hopper, beetles, Lepidopteran defoliators (such as soybean looper, velvetbean caterpillar and green cloverworm) and pod feeders (such as corn earworm/soybean podworm) from plant emergence until harvest. While soybean plants can withstand some level of insect injury, high insect pest populations can lead to severe yield reductions or even total crop loss. To reduce yield loss, fields should be scouted weekly using a sweep net, and appropriate control measures (e.g., insecticides) should be applied when action thresholds are met. Soybean varieties may vary in their ability to tolerate insect pests, less tolerant varieties should be scouted more frequently.

Scouting is particularly important for detecting the redbanded stink bug, the most damaging soybean pest in Louisiana. This insect pest feeds exclusively on legumes; thus, earlier maturing varieties are more vulnerable to redbanded stink bug damage. Generally, MG IV soybeans will have more damage than MG V at pod initiation, as seed set begins earlier and lasts longer. This results in longer exposure to stink bugs over time, resulting in greater opportunities for stink bug injury. Planting soybean as early as possible can help mitigate late-season damage. As early planted soybeans mature and are harvested, later planted soybeans act as a sponge and absorb all the surrounding stink bugs searching for a new host. As a rule, scouting for redbanded stink bugs should begin at R2 and occur every five days if possible. Failure to detect early populations can result in missed opportunities for control. As a reminder, the action threshold for the redbanded stink bug is 16 insects (nymphs and adults) per 100 sweeps.

For several years, we have screened high-yielding, commercially available soybean varieties for their susceptibility to stink bugs to provide information to agents, consultants and growers. Currently, no varieties offer immunity from stink bugs, but many commercial varieties yield very well under various growing conditions despite being susceptible to stink bugs.

Salt-Chloride Tolerance

Soybeans under continuous irrigation may be subjected to high levels of salts or chlorides from well or surface water. Observations from several years at the Macon Ridge Research Station near Winnsboro have made it possible to identify varieties that are tolerant or sensitive to salt-chloride. The problem shows up as leaf scorching and usually occurs shortly after irrigation water is applied. When choosing varieties to be utilized in irrigated systems, excluders (those varieties that can tolerate high chloride levels) should be chosen. However, yield potential of both excluders and includers (those varieties that cannot tolerate high chloride levels) will be reduced in soils with high chloride levels.

Maturity

There is a certain amount of overlap in maturity between groups within the state. Environmental conditions, especially drought and pest pressure, can cause variation in maturity. Most varieties within a group mature in the following range when planted at recommended times:

- Very early maturity (MG 3.0-4.5): Aug. 10-Aug. 19
- Early maturity (MG 4.5-4.9): Aug. 20-Sept. 10
- Medium maturity (MG 5+): Sept. 11-Oct. 1

Where large acreages are involved, varieties of differing maturity should be selected to stagger the harvest and avoid losses from shattering and poor quality.

Lower Pod Height

Pod height is especially important in rough, poorly drained soils and new ground. It is important for all varieties to set pods a reasonable distance above the soil surface to aid in harvestability.

Poor Drainage

Many soybeans in Louisiana are planted on heavy clay soils with poor internal drainage. Research has determined that certain varieties are superior to others under these conditions. Planting on raised beds is desirable where drainage is less than optimal.

Lodging Resistance

Soybean varieties are more likely to lodge if a population of more than six plants per foot of row is present and if grown on a highly fertile soil. Tall varieties tend to lodge more severely than short ones. When lodging occurs, seed quality and yield are affected. A lodged field is more susceptible to disease and reduces harvest efficiency.

Plant Height

Plant height varies according to growing conditions, planting date, soil type and variety. If canopy closure has been a problem, a taller variety should be selected or a closer row spacing should be adopted. On highly fertile soil, too much growth is sometimes a problem, and a shorter variety is the better choice.

Seed Quality

Poor seed quality is more often found in early maturing varieties. Poor quality is especially true for indeterminate varieties that do not mature uniformly. However, in wet harvest seasons when temperatures and humidity remain high, seed quality issues can often be observed for most varieties. Poor seed quality occurs when fields are not harvested when ready or under heavy disease pressure. When poor conditions occur between physiological maturity (maximum dry matter accumulation) and harvest, chances increase for a decline in seed quality.

CULTURAL PRACTICES

Lime and Molybdenum

Availability of most plant nutrients is typically greatest in soils with a pH of 5.8 to 7.0. When the soil pH drops below 5.2 on sandy loam and silt loam soils, and below 5.0 on clay soils, manganese toxicity may occur. When the soil pH drops below 5.0, aluminum toxicity may also occur. Soil testing should be conducted on a regular basis, and agricultural lime should be used to correct low pH soils to proper levels.

In extreme cases, manganese toxicity is expressed as a stunted plant with crinkled leaves. In milder cases, manganese toxicity may result in reduced yields even when visible symptoms are not present. Aluminum toxicity typically affects the roots, resulting in short, thick roots, a condition known as club root. Manganese and aluminum toxicities can be controlled by keeping the soil pH above critical levels.

Molybdenum is a critical component of the nitrogenase complex that fixes atmospheric nitrogen into a usable form for the soybean plant. Molybdenum is a nutrient needed by soybeans in small quantities. Although our soils typically have enough molybdenum for optimal growth, molybdenum is less available to plants as the soil becomes more acidic. At soil pH below 6.2, molybdenum should be applied as seed treatment at planting. However, if a commercial inoculum is needed and is applied as a seed treatment, molybdenum should not be applied as a seed treatment. The molybdenum salt will reduce the viability of the inoculum and will result in poor nodulation.

Nitrogen

Soybeans need large quantities of nitrogen. Soybeans remove about 4 pounds of nitrogen in each harvested bushel. Fortunately, soybeans are legumes and can obtain most of their nitrogen from the atmosphere. They accomplish this with the aid of the bacterium *Rhizobium japonicum*. These bacteria use soybean roots as a livable environment and form nodules on soybean roots that capture nitrogen from the atmosphere and fix it into a usable form. Seed should be inoculated with *Rhizobium japonicum* bacteria in soils with no recent history of soybeans or when conditions have reduced bacteria survival.

Phosphorus

Phosphorous is critical in the early stages of soybean growth. It stimulates root growth, is essential in the storage and transfer of energy throughout the plant and is an important component of several biochemicals that control plant growth and development. Phosphorus is concentrated in the seed and strongly affects seed formation. Soybeans remove about 0.8 of a pound of phosphate (P_2O_5) per bushel in the harvested portion of the crop.

Phosphorus deficiencies are not easily observed. Usually, no striking visual symptoms indicate phosphorus deficiency in soybeans. The most common characteristics of phosphorus-deficient soybean plants are stunted growth and reduced yields.

Phosphorus fertilization rates should be based on soil test results. Soil pH affects the availability of phosphorus, which is most available to soybeans when the soil pH is between 6.0 and 7.0.

Potassium

Potassium is essential in the growth and development of soybeans and is indirectly related to many plant cell functions. Some 60 enzymes require the presence of potassium, and plants with adequate amounts of potassium are better able to resist diseases than potassium-deficient plants. About four times as much potash (K_2O) is required by soybeans as phosphate (P_2O_5) and about twice as much potash (K_2O) is removed in the seed as phosphate (P_2O_5). Soybeans remove about 1.4 pounds of potash (K_2O) per bushel in the harvested portion of the plant.

Potassium deficiency symptoms are easy to diagnose when they are severe enough to be seen visually and will usually occur on the lower leaves during pod fill as margins (edges) of the leaves appear necrotic (dead and brown). Severe potassium deficiencies can greatly reduce yields. Potassium fertilizer rates should be based on soil test results.

Early Planting

Soybeans should not be planted until soil temperature reaches 60 F. Because emergence may also be affected by cool soil temperatures after planting, early planting decisions should also consider the forecast up to seven days after planting. Adequate soil temperatures are often observed in April but can vary by location and year. Maturity Group IV and indeterminate Group V varieties perform best in April plantings. Research in north Louisiana has shown instances of high yields for Group IV and V planted in mid-to-late March. In these cases, daily average soil temperatures were generally at or above 60 F at planting. A few (especially determinate types) may be sensitive to planting before early May. Narrow row spacing may be beneficial when planting early because of the potential of reduced plant height. Always use a base fungicide seed treatment when planting early and conditions are less than favorable.

Late Planting

When planting is delayed until June 15 or later, the amount of vegetative growth that the plant produces becomes more critical. It is important to choose varieties that grow rapidly in a short time. When blooming starts, most vegetative growth ceases in determinate varieties. Maturity Group V soybeans should be used when planting after June 1. When planting late, seeding rates should be increased to compensate for reduced vegetative growth.

Seeding Rate

Plant populations that are too dense reduce yields, encourage diseases and lodging, and increase seed cost. When calibrating planters, use seed-per-foot as your guide rather than pounds of seed per acre. In the following table, the estimated pounds per acre should be used only to calculate how much seed to buy. Because of varietal difference in seed size, as well as seasonal variation within lots of the same variety, planting rates can be misleading if expressed in pounds per acre. The following rates are recommended:

Row Width (Inches)	Seed/Row Foot	Plants/Row Foot	Population in 1,000s
36-40	8-9	6-8	78-104
30-32	6-7	4-5	78-104
20-24	5-6	4-5	104-130
7-10	4-5	3	104-130
Broadcast	5-6/sq. ft.	3/sq. ft.	150
Late planting	6-7/sq. ft.	4/sq. ft.	200

Planting Dates

Because weather conditions are different from year to year, planting dates can be affected by environmental conditions. Early or late planting can cause a reduction in plant height in many varieties. Generally, late plantings have less chance of success unless irrigation is available or optimal weather and timely rains occur throughout the growing season. A general rule is that half a bushel per day is lost for every day that planting is delayed past the first week of June.

Optimal seeding dates for each maturity group planted in Louisiana are:

- Group III: April 15-May 10
- Group IV: April 15-May 10
- Group V: March 25-May 5
- Group VI (not typically recommended in Louisiana): March 25-April 30

Row Spacing

Varieties respond differently to row spacing. An important consideration is that the canopy closes as quickly as possible to avoid late-season weed problems and to maximize the amount of light captured. Research has shown that narrow row spacing (30 inches or fewer) may outyield wide row spacing in some environments.

Depth of Seeding

Plant only deep enough to get the seed in moist soil. On sandy or silt loam soils, plant 1 inch deep if moisture is available. On clay soils, plant 1 to 2 inches deep, depending on moisture conditions. Rolling the soil, especially clays, after planting will help obtain a standby conserving moisture.

Table 1A. Maturity Group 3.9-4.4 Soybean OVT Yield Data.

Variety	Central Station	Dean Lee	Iberia	Macon Ridge	Rice Station	2024 Average ¹	2-Year Average	3-Year Average
Bayer AG 39XF3	39.7	33.4	20.8	43.3	30.3	33.5	37.5	
Bayer AG 40XF5	36.4	23.6	20.5	41.5	30.2	30.4		
Bayer AG 42XF4	38.1	38.3	21.4	36.1	25.2	31.8		
Bayer AG 43XF5	53.6	53.6	22.6	44.6	30.6	41.0		
Bayer AG 44XF4	42.2	40.8	25.5	52.7	33.4	38.9		
Corteva Agriscience P41Z80BLX	41.6	37.3	25.3	49.4	30.3	36.8		
Corteva Agriscience P42A84E	45.7	49.4	30.2	44.2	28.1	39.5	42.2	
Corteva Agriscience P43Z44SE	34.0	50.7	22.4	49.0	27.9	36.8		
Corteva Agriscience P44A60LX	44.6	58.0	26.1	46.0	34.6	41.8		
Delta Grow Seed 43XF65STS	52.7	46.8	26.4	44.9	30.5	40.3		
Dyna-Gro Seed S43XF85S	43.8	38.3	19.3	48.9	28.7	35.8		
Stine 42EG23	38.1	50.0	23.8	41.7	25.3	35.8		
Stine 43EG29	38.2	50.0	25.8	42.7	26.7	36.7		
Syngenta NK43-W1XFS	48.6	43.6	23.2	48.5	23.3	37.4		
Location Average	42.7	43.8	23.8	45.2	28.9			
Soil Type	silt loam	silt loam	silty clay loam	silt loam	silt loam			
LSD P=0.05	8.82	5.0	4.24	NS	NS			
Standard Deviation	6.2	3.5	2.9	6.1	5.3			
CV	14.4	7.9	12.4	13.5	18.3			

The 2024 OVT Trial was planted at these LSU AgCenter research stations: Central Station, Baton Rouge; Dean Lee, Alexandria; Iberia, Jeanerette; Macon Ridge, Winnsboro; Red River, Bossier City; and Rice Station, Crowley. The MG 3.9-4.4 OVT data from the Red River Research Station was not included due to extreme weather damage.

All yields are expressed in bushels per acre and adjusted to 13% moisture.

Bold - Highest yielding (P=0.05) at this location in 2024.

NS - Not significant.

¹Variety average from five research stations.

Table 1B. MG 3.9-4.4 Agronomic Data.

Variety	Dean Lee Maturity ¹	Iberia Maturity ²	Red River Maturity ²	Rice Station Maturity ²	Dean Lee Height ³	Iberia Height ³	Red River Height ³	Rice Station Height ³	Dean Lee Lodging ⁴	Red River Lodging ⁴	Dean Lee Green Stem ⁵
Bayer AG 39XF3	108	121	110	113	23	31	20	26	1	1	4
Bayer AG 40XF5	110	117	108	108	24	29	21	27	1	1	5
Bayer AG 42XF4	105	122	107	112	31	35	24	29	1	1	2
Bayer AG 43XF5	118	126	112	115	28	30	23	26	1	1	3
Bayer AG 44XF4	109	130	111	114	23	30	23	26	1	1	4
Corteva Agriscience P41Z80BLX	110	124	110	111	27	35	26	31	1	1	4
Corteva Agriscience P42A84E	105	126	110	114	28	33	26	26	1	1	1
Corteva Agriscience P43Z44SE	107	134	111	115	26	28	22	23	1	1	3
Corteva Agriscience P44A60LX	110	126	111	114	33	38	28	31	2	1	2
Delta Grow Seed 43XF65STS	111	128	110	114	34	36	25	30	1	1	5
Dyna-Gro Seed S43XF85S	112	135	111	116	28	31	25	28	1	1	5
Stine 42EG23	107	126	110	115	28	32	21	24	1	1	3
Stine 43EG29	107	125	109	115	27	30	21	25	1	1	3
Syngenta NK43-W1XFS	110	133	111	115	27	31	25	27	1	1	4

¹R7 Date (One pod with the mature color; Prior to desiccation; Days after planting).

²Maturity (R8 - 95% brown pods; Days after planting).

³Plant height at R8 in inches.

⁴Lodging (1-5): 1=almost all plants erect; 5=all plants down.

⁵Green stem (0-5 scale): 0=no plants with symptoms; 3=36%-65% plants with symptoms; 5=91%-100% plants with symptoms.

Table 1C. MG 3.9-4.4 - Abiotic/Biotic Stress Tolerance (With and Without Fungicide).

Variety	Dean Lee FE Fungicide ¹	Dean Lee FE Untreated ¹	Central Station CLB Fungicide ²	Central Station CLB Untreated ²	Dean Lee CLB Fungicide ²	Dean Lee CLB Untreated ²	Macon Ridge TRD ³	Macon Ridge PSS ⁴	Macon Ridge Seed Quality ⁵	Macon Ridge Yield ⁶	Dean Lee Yield Fungicide ⁷	Dean Lee Yield Untreated ⁸	Central Station Yield Fungicide ⁹	Central Station Yield Untreated ¹⁰
Bayer AG 39XF3	0.00	4.50	4.40	4.10	2.50	3.80	6.50	2.20	6.00	24.80	33.36	26.60	39.68	34.43
Bayer AG 40XF5	0.00	4.30	2.40	3.20	1.50	4.30	8.00	4.50	6.30	18.50	23.59	22.10	36.40	33.60
Bayer AG 42XF4	0.00	3.80	3.70	3.90	0.80	3.80	4.00	4.30	7.00	17.80	38.28	41.55	38.13	33.93
Bayer AG 43XF5	0.30	3.50	2.20	2.40	0.00	1.80	5.00	2.00	7.30	31.10	53.60	44.80	53.60	51.65
Bayer AG 44XF4	0.00	3.30	2.20	2.00	2.00	2.50	7.50	4.60	6.00	28.10	40.78	33.93	42.23	44.28
Corteva Agriscience P41Z80BLX	0.00	3.00	4.90	4.00	2.80	5.30	14.00	3.50	6.00	22.60	37.30	24.70	41.57	36.63
Corteva Agriscience P42A84E	0.00	3.80	2.90	2.90	0.50	3.50	9.50	4.70	6.30	25.30	49.38	45.00	45.65	41.53
Corteva Agriscience P43Z44SE	0.00	2.80	2.50	3.60	0.30	2.80	15.30	2.70	6.00	25.70	50.68	42.35	34.00	38.39
Corteva Agriscience P44A60LX	0.00	2.80	4.50	3.90	0.00	2.50	7.50	3.30	7.00	28.80	57.98	48.80	44.55	54.03
Delta Grow Seed 43XF65STS	0.00	4.30	4.20	3.20	0.00	2.80	8.30	5.10	7.30	23.90	46.80	45.80	52.73	46.48
Dyna-Gro Seed S43XF85S	0.00	3.50	2.70	2.50	2.00	2.50	6.80	1.90	6.30	25.50	38.33	39.83	43.78	47.33
Stine 42EG23	0.00	3.30	3.70	3.70	0.30	1.80	9.50	3.70	6.30	20.30	49.95	44.93	38.13	37.55
Stine 43EG29	0.00	3.80	3.60	2.50	0.30	2.00	7.30	6.90	6.00	17.20	49.98	44.53	38.18	41.05
Syngenta NK43-W1XFS	0.00	3.00	3.50	2.50	2.00	2.80	8.30	3.20	7.00	27.90	43.55	41.35	48.60	49.48
Grand Mean	0.02	3.55	3.39	3.17	1.05	2.98	8.39	3.76	6.46	24.11	43.82	39.02	42.66	42.17
LSD P=0.05	NS	1.08	NS	1.26 - 1.50s	0.83	1.17		NS	1.00	5.49	4.98	9.28	8.82	6.25
LSD P=0.10							3.34							
Standard Deviation	0.13	0.76	0.13 ^t	0.11 ^t	0.58	0.82	2.80	0.79 ^t	0.70	3.84	3.47	6.46	6.15	4.36
CV	748.33	21.55	21.03 ^t	17.3 ^t	54.76	27.45	33.48	38.65 ^t	10.80	15.91	7.93	16.56	14.43	10.35

NS - Not significant.

¹Frogeye leaf spot (FE) (0-9 scale): 0=no damage; 9=all plants are dead.

²Cercospora leaf blight (CLB) (0-9 scale): 0=no disease; 5=20%-40% foliar symptoms/20% defoliation; 9=completely defoliated.

³Taproot decline (TRD) (Number of plants with symptoms per row with a 20-ft row and 8 seed/ft).

⁴Purple seed stain (PSS) (0%-100% scale): 0%=no PSS; 100%=complete seed coverage of PSS.

⁵Seed quality (0-9 scale): 0=all seeds severely damaged; 9=no damage.

⁶Delayed harvest yield (bu/A) with a delayed harvest of one month.

⁷Yield (bu/A) for four-row OVT plots at the Dean Lee Research Station with a fungicide application (Revvytek 8 oz/A with a non ionic surfactant at 0.25% applied at the R3-R4 growth stage).

⁸Yield (bu/A) for two-row OVT plots at the Dean Lee Research Station without a fungicide application.

⁹Yield (bu/A) for four-row OVT plots at the Central Station with a fungicide application (Revvytek 8 oz/A with a non ionic surfactant at 0.25% applied at the R3-R4 growth stage).

¹⁰Yield (bu/A) for two-row OVT plots at the Central Station without a fungicide application.

^tMean descriptions are reported in transformed data units and are not de-transformed.

^sLSD value is a range calculated after transforming data.

Table 2A. Maturity Group 4.5-4.7 Soybean OVT Yield Data.

Variety	Central Station	Dean Lee	Iberia	Macon Ridge	Rice Station	2024 Average ¹	2-Year Average	3-Year Average
Armor 45-F02S	46.8	57.5	21.7	44.2	36.6	41.4	43.4	44.9
Armor 45-F65S	40.2	44.5	22.8	44.5	36.3	37.7		
Armor 46-F15S	48.3	56.3	25.0	50.8	30.9	42.2		
Armor 46-F96	50.4	46.7	22.0	43.5	29.2	38.4	39.2	41.0
Bayer AG 45XF3	53.6	55.7	23.1	43.4	33.5	41.9	43.9	
Bayer AG 46XF3	51.8	63.1	21.8	49.5	35.6	44.3	46.3	
Corteva Agriscience P45A81E	50.7	48.7	20.9	41.0	29.1	38.1		
Corteva Agriscience P45Z75E	49.4	46.4	25.1	46.0	35.7	40.5		
Corteva Agriscience P46A90LX	54.4	59.0	27.3	46.5	42.2	45.9		
Corteva Agriscience P46Z53E	50.1	50.9	24.0	42.6	30.7	39.7		
Delta Grow Seed 46X65RR2XSTS	46.6	53.7	20.7	47.6	35.3	40.8	43.9	44.7
Delta Grow Seed 46XF54STS	44.8	52.3	30.5	44.7	35.7	41.6	43.3	
Delta Grow Seed 47E70STS	39.6	43.9	15.8	40.2	33.4	34.6		
Delta Grow Seed 47XF90STS	42.9	66.0	25.1	51.2	29.1	42.9		
DONMARIO SEEDS DM46F54S	42.3	56.6	22.8	37.3	33.8	38.5		
DONMARIO SEEDS DM47F44S	44.8	51.4	20.6	42.3	27.1	37.2		
Dyna Gro Seed S47XF23S	52.8	49.6	19.2	47.0	34.7	40.6	41.3	42.0
Integra XF4634S	42.1	57.1	26.0	44.0	33.3	40.5		
Progeny 4604XFS	43.1	60.4	18.5	43.1	25.9	38.2	41.6	43.0
Progeny 4623XF	55.1	54.2	27.1	44.9	28.1	41.9		
Progeny 4691XFS	50.9	58.6	20.6	50.2	31.7	42.4	41.7	42.1
Progeny 4775E3S	46.2	47.2	20.2	50.4	27.6	38.3		
Progeny 4798XF	52.8	51.7	18.6	48.7	30.3	40.4	40.6	42.5
Revere Seed 47-F77	44.9	67.6	23.4	47.9	35.3	43.8		
Stine 46EG92	49.2	61.0	22.2	42.1	31.2	41.1		
Syngenta NK46-B4XFS	45.0	42.6	25.6	43.4	40.6	39.4		
University of Arkansas R19C-1012	54.6	56.3	30.0	44.8	33.6	43.8		
University of Missouri S20-5669	35.2	49.8	22.6	41.6	19.8	33.8		
Location Average	47.4	53.9	23.0	45.1	32.4			
Soil Type	silt loam	silt loam	silty clay loam	silt loam	silt loam			
LSD P=0.05	7.5	14.0	5.1	NS	8.7			
Standard Deviation	5.3	10.0	3.7	7.6	6.2			
CV	11.2	18.5	15.9	16.8	19.1			

The 2024 OVT Trial was planted at these LSU AgCenter research stations: Central Station, Baton Rouge; Dean Lee, Alexandria; Iberia, Jeanerette; Macon Ridge, Winnsboro; Red River, Bossier City; and Rice Station, Crowley. The MG 3.9-4.4 OVT data from the Red River Research Station was not included due to extreme weather damage.

All yields are expressed in bushels per acre and adjusted to 13% moisture.

Bold - Highest yielding (P=0.05) at this location in 2024.

NS - Not significant.

¹Variety average from five research stations.

Table 2B. MG 4.5-4.7 Agronomic Data.

Variety	Dean Lee Maturity ¹	Iberia Maturity ²	Red River Maturity ²	Rice Station Maturity ²	Dean Lee Height ³	Iberia Height ³	Red River Height ³	Rice Station Height ³	Dean Lee Lodging ⁴	Red River Lodging ⁴	Dean Lee Green Stem ⁵
Armor 45-F02S	111	136	112	120	36	31	28	31	1	1	3
Armor 45-F65S	112	124	113	121	25	30	19	27	1	1	5
Armor 46-F15S	112	134	113	122	35	33	29	34	1	1	2
Armor 46-F96	113	136	111	121	29	30	25	31	1	1	4
Bayer AG 45XF3	110	133	111	120	32	27	22	28	1	1	3
Bayer AG 46XF3	113	139	115	122	31	31	27	30	1	1	4
Corteva Agriscience P45A81E	112	136	116	121	28	29	24	27	1	1	3
Corteva Agriscience P45Z75E	112	138	114	120	30	29	21	27	1	1	1
Corteva Agriscience P46A90LX	112	131	112	121	31	32	22	30	1	1	4
Corteva Agriscience P46Z53E	112	131	114	120	31	28	22	27	1	1	1
Delta Grow Seed 46X65RR2XSTS	110	143	112	122	28	30	22	29	1	1	1
Delta Grow Seed 46XF54STS	112	123	112	122	37	31	23	33	1	1	2
Delta Grow Seed 47E70STS	112	131	115	122	32	27	21	27	1	1	2
Delta Grow Seed 47XF90STS	112	128	116	122	35	32	21	30	2	1	2
DONMARIO SEEDS DM46F54S	113	124	110	120	32	33	26	32	1	1	4
DONMARIO SEEDS DM47F44S	113	129	116	122	34	37	29	34	1	1	4
Dyna Gro Seed S47XF23S	113	134	111	122	31	32	24	30	1	1	3
Integra XF4634S	113	126	112	123	36	32	24	32	1	1	2
Progeny 4604XFS	112	139	112	123	37	36	28	33	1	1	3
Progeny 4623XF	113	135	112	121	28	30	24	29	1	1	5
Progeny 4691XFS	111	130	111	121	32	31	25	33	1	1	2
Progeny 4775E3S	111	133	110	122	37	31	30	31	1	1	2
Progeny 4798XF	112	139	114	122	35	35	21	30	2	1	1
Revere Seed 47-F77	111	139	112	122	37	31	29	33	2	1	4
Stine 46EG92	113	137	111	122	33	32	23	28	1	1	3
Syngenta NK46-B4XFS	113	125	113	120	29	31	25	31	1	1	5
University of Arkansas R19C-1012	110	133	114	121	36	33	33	33	1	1	2
University of Missouri S20-5669	110	129	114	121	31	28	22	27	1	1	3

¹R7 Date (One pod with the mature color; Prior to desiccation; Days after planting).

²Maturity (R8 - 95% brown pods; Days after planting).

³Plant height at R8 in inches.

⁴Lodging (1-5): 1=almost all plants erect; 5=all plants down.

⁵Green stem (0-5 scale): 0=no plants with symptoms; 3=36%-65% plants with symptoms; 5=91%-100% plants with symptoms.

Table 2C. MG 4.5-4.7 Abiotic/Biotic Stress Tolerance (With and Without Fungicide).

Variety	Dean Lee FE Fungicide ¹	Dean Lee FE Untreated ¹	Central Station CLB Fungicide ²	Central Station CLB Untreated ²	Macon Ridge TRD ³	Macon Ridge PSS ⁴	Macon Ridge Seed Quality ⁵	Macon Ridge Yield ⁶	Dean Lee Yield Fungicide ⁷	Dean Lee Yield Untreated ⁸	Central Station Yield Fungicide ⁹	Central Station Yield Untreated ¹⁰
Armor 45-F02S	0.00	3.50	2.50	2.00	8.00	2.10	7.30	27.60	57.50	42.60	46.83	52.73
Armor 45-F65S	0.00	3.50	2.00	2.00	7.50	1.80	7.00	27.20	44.50	25.65	40.18	40.50
Armor 46-F15S	0.00	3.30	2.20	2.30	5.30	3.40	7.80	27.30	56.29	45.16	48.30	54.23
Armor 46-F96	0.00	4.30	3.20	2.80	6.00	2.40	7.00	28.40	46.73	37.76	50.43	47.70
Bayer AG 45XF3	0.00	4.50	2.50	2.30	9.30	4.40	6.80	24.40	55.73	48.68	53.58	49.98
Bayer AG 46XF3	0.00	4.00	2.20	2.30	8.30	5.50	7.80	30.40	63.05	41.87	51.80	55.07
Corteva Agriscience P45A81E	0.00	4.00	2.20	3.00	13.80	5.40	6.80	21.40	48.73	36.76	50.68	52.15
Corteva Agriscience P45Z75E	0.00	3.00	2.20	2.00	13.00	1.90	6.50	24.60	46.38	39.11	49.38	49.38
Corteva Agriscience P46A90LX	0.00	2.80	2.70	3.00	11.30	5.10	7.00	30.30	59.00	43.54	54.38	45.65
Corteva Agriscience P46Z53E	0.00	2.80	3.20	3.50	12.00	1.90	6.50	22.70	50.93	37.20	50.10	43.60
Delta Grow Seed 46X65RR2XSTS	0.00	3.50	2.00	2.00	2.50	4.00	8.00	29.50	53.73	38.61	46.60	45.93
Delta Grow Seed 46XF54STS	0.00	3.00	1.70	2.30	3.50	4.60	7.30	19.50	52.28	45.52	44.78	37.55
Delta Grow Seed 47E70STS	0.00	3.50	3.90	3.30	8.80	4.40	6.80	17.10	43.90	40.67	39.63	46.35
Delta Grow Seed 47XF90STS	0.00	3.00	2.00	2.00	9.30	7.50	8.00	23.40	66.00	56.79	42.93	49.85
DONMARIO SEEDS DM46F54S	0.00	4.30	2.50	2.80	8.50	1.20	7.30	20.60	56.58	38.35	42.30	45.38
DONMARIO SEEDS DM47F44S	0.00	2.80	2.00	2.00	9.50	2.90	7.00	26.70	51.38	40.13	44.80	48.45
Dyna Gro Seed S47XF23S	0.00	4.50	2.70	3.00	8.80	5.90	8.00	28.70	49.58	40.66	52.78	56.90
Integra XF4634S	0.00	4.00	2.20	2.50	4.30	2.40	7.80	25.20	57.13	43.64	42.08	39.80
Progeny 4604XFS	0.00	3.50	3.00	3.00	4.30	3.00	8.00	29.10	60.40	48.95	43.08	46.90
Progeny 4623XF	0.00	3.30	2.50	2.80	7.80	16.20	6.80	28.20	54.20	47.33	55.08	52.75
Progeny 4691XFS	0.00	3.80	2.50	2.50	3.50	6.60	8.00	30.90	58.58	41.01	50.88	44.25
Progeny 4775E3S	0.00	4.00	2.20	2.30	6.30	0.60	7.80	22.10	47.18	45.73	46.20	38.08
Progeny 4798XF	0.00	4.00	1.70	2.00	6.80	1.90	7.50	24.40	51.73	40.59	52.80	51.20
Revere Seed 47-F77	0.00	3.80	2.40	2.30	5.30	6.10	7.00	31.00	67.59	49.34	44.85	46.25
Stine 46EG92	0.00	3.00	2.50	2.80	6.00	9.60	7.00	22.70	61.00	46.79	49.18	43.10
Syngenta NK46-B4XFS	0.00	3.80	2.70	2.50	8.00	2.20	7.30	21.80	42.58	27.25	44.98	47.85
University of Arkansas R19C-1012	0.00	3.50	2.20	2.50	7.80	2.20	7.00	18.90	56.28	54.41	54.60	47.35
University of Missouri S20-5669	0.00	4.00	2.00	2.50	4.30	2.20	7.00	19.70	49.83	28.61	35.23	42.80
Grand Mean	0.00	3.59	2.41	2.50	7.49	4.19	7.27	25.34	53.88	41.88	47.44	47.20
LSD P=0.05	NS	0.88	0.65-0.96 ^s	0.72		2.73-7.07 ^s	0.92	7.69	14.03	6.776-9.063 ^s	7.47	8.40
LSD P=0.10					3.48							
Standard Deviation	0.00	0.62	0.07 ⁱ	0.51	2.96	4.37 ⁱ	0.66	5.46	9.97	0.444 ⁱ	5.31	5.97
CV	0.00	17.34	12.61 ⁱ	20.36	39.64	38.99 ⁱ	9.03	21.55	18.49	6.84 ⁱ	11.19	12.64

NS - Not significant.

¹Frogeye leaf spot (FE) (0-9 scale): 0=no damage; 9=all plants are dead.

²Cercospora leaf blight (CLB) (0-9 scale): 0=no disease; 5=20%-40% foliar symptoms/20% defoliation; 9=completely defoliated.

³Taproot decline (TRD) (Number of plants with symptoms per row with a 20-ft row and 8 seed/ft).

⁴Purple seed stain (PSS) (0%-100% scale): 0%=no PSS; 100%=complete seed coverage of PSS.

⁵Seed quality (0-9 scale): 0=all seeds severely damaged; 9=no damage.

⁶Delayed harvest yield (bu/A) with a delayed harvest of one month.

⁷Yield (bu/A) for four-row OVT plots at the Dean Lee Research Station with a fungicide application (Revytek 8 oz/A with a non ionic surfactant at 0.25% applied at the R3-R4 growth stage).

⁸Yield (bu/A) for two-row OVT plots at the Dean Lee Research Station without a fungicide application.

⁹Yield (bu/A) for four-row OVT plots at the Central Station with a fungicide application (Revytek 8 oz/A with a non ionic surfactant at 0.25% applied at the R3-R4 growth stage).

¹⁰Yield (bu/A) for two-row OVT plots at the Central Station without a fungicide application.

ⁱMean descriptions are reported in transformed data units and are not de-transformed.

^sLSD value is a range calculated after transforming data.

Table 3A. Maturity Group 4.8-4.9 Soybean OVT Yield Data.

Variety	Central Station	Dean Lee	Iberia	Macon Ridge	Rice Station	2024 Average ¹	2-Year Average	3-Year Average
Armor 48-F25S	58.7	57.9	16.0	35.6	32.3	40.1		
Armor 48-F55S	60.3	58.8	16.4	37.4	32.2	41.0		
Bayer AG 49XF4	60.6	51.9	19.9	38.4	30.8	40.3		
Corteva Agriscience P48A04LX	59.9	48.7	19.3	36.1	35.2	39.9		
Corteva Agriscience P48A14E	53.7	61.2	19.2	30.2	36.1	40.1	41.0	43.6
Corteva Agriscience P48Z70BLX	51.2	51.2	14.0	36.4	26.8	35.9		
Delta Grow Seed 48X45RR2X	52.4	43.6	17.2	33.3	25.2	34.3	36.5	37.9
Delta Grow Seed 48XF33STS	58.0	50.3	25.9	32.6	29.9	39.3	42.2	42.8
Delta Grow Seed 48XF70STS	63.9	58.2	18.0	31.9	30.7	40.5		
Delta Grow Seed 48XF80	58.0	49.2	20.2	30.2	29.3	37.4		
Delta Grow Seed 49XF85STS	55.5	54.7	20.4	33.6	25.3	37.9	38.4	
DONMARIO SEEDS DM48F53	48.5	50.0	19.0	37.4	33.0	37.6	40.6	
Dyna Gro Seed S48XF35	65.2	63.2	22.4	34.1	33.2	43.6		
Dyna Gro Seed S49XF43S	59.7	55.7	13.9	35.1	30.2	38.9	41.5	
Integra XF4875S	57.7	57.4	21.3	31.6	32.6	40.1		
Integra XF4914S	58.4	60.5	16.4	32.8	31.9	40.0		
Progeny 4806XFS	48.4	52.6	16.3	28.5	23.5	33.9	38.9	40.0
Progeny 4848XF	55.0	49.0	18.5	36.7	33.3	38.5		
Progeny 4947XFS	61.9	61.5	13.7	35.7	28.4	40.2		
Progeny 4999E3S	63.0	58.9	19.1	28.6	30.8	40.1		
Revere Seed 4826XFS	56.3	52.4	11.0	35.0	32.5	37.4		
Revere Seed 48-F72	47.8	51.9	21.6	41.7	28.9	38.4		
Revere Seed 49-F36	58.6	58.6	17.4	39.0	30.7	40.8		
Stine 48EE20	54.3	59.0	18.6	29.1	29.2	38.1		
Syngenta NK48-A8XFS	62.3	58.2	15.9	33.3	31.3	40.2	42.3	
Syngenta NK49-N7XF	54.8	49.7	14.0	42.4	34.2	39.0		
University of Arkansas R18C-13665	50.0	45.7	15.7	34.2	23.3	33.8		
Location Average	56.8	54.4	17.8	34.5	30.4			
Soil Type	silt loam	silt loam	silty clay loam	silt loam	silt loam			
LSD P=0.05	7.277	4.549-5.945 ^s	4.049-6.799 ^s	7.934	4.929			
Standard Deviation	5.156	0.030 ^t	0.090 ^t	5.633	3.492			
CV	9.08	1.72 ^t	7.07 ^t	16.35	11.49			

The 2024 OVT Trial was planted at these LSU AgCenter research stations: Central Station, Baton Rouge; Dean Lee, Alexandria; Iberia, Jeanerette; Macon Ridge, Winnsboro; Red River, Bossier City; and Rice Station, Crowley. The MG 3.9-4.4 OVT data from the Red River Research Station was not included due to extreme weather damage.

All yields are expressed in bushels per acre and adjusted to 13% moisture.

Bold - Highest yielding (P=0.05) at this location in 2024.

^tVariety average from five research stations.

^sMean descriptions are reported in transformed data units and are not de-transformed.

^sLSD value is a range calculated after transforming data.

Table 3B. MG 4.8-4.9 Agronomic Data.

Variety	Dean Lee Maturity ¹	Iberia Maturity ²	Red River Maturity ²	Rice Station Maturity ²	Dean Lee Height ³	Iberia Height ³	Red River Height ³	Rice Station Height ³	Dean Lee Lodging ⁴	Red River Lodging ⁴	Dean Lee Green Stem ⁵
Armor 48-F25S	115	141	113	122	34	33	19	28	1	1	2
Armor 48-F55S	116	140	116	121	36	34	23	32	1	1	4
Bayer AG 49XF4	116	137	113	121	34	32	23	25	1	1	2
Corteva Agriscience P48A04LX	118	133	114	120	32	36	22	30	1	1	4
Corteva Agriscience P48A14E	117	139	115	121	34	32	26	25	1	1	2
Corteva Agriscience P48Z70BLX	111	141	114	122	32	30	25	29	1	1	2
Delta Grow Seed 48X45RR2X	117	139	115	123	28	28	19	26	1	1	4
Delta Grow Seed 48XF33STS	115	135	113	121	31	32	22	31	1	1	2
Delta Grow Seed 48XF70STS	117	139	115	121	36	32	24	28	1	1	4
Delta Grow Seed 48XF80	115	134	114	120	32	24	21	25	1	1	3
Delta Grow Seed 49XF85STS	116	139	114	120	26	28	18	24	1	1	3
DONMARIO SEEDS DM48F53	110	140	114	120	26	23	22	24	1	1	2
Dyna Gro Seed S48XF35	113	133	113	120	28	27	20	25	1	1	3
Dyna Gro Seed S49XF43S	115	145	115	121	30	27	22	25	1	1	5
Integra XF4875S	118	137	116	122	37	32	21	30	1	1	4
Integra XF4914S	112	143	115	121	28	27	22	26	1	1	3
Progeny 4806XFS	118	140	116	123	30	30	23	29	1	1	4
Progeny 4848XF	110	137	115	120	33	28	25	30	1	1	3
Progeny 4947XFS	118	141	115	122	36	31	23	31	1	1	3
Progeny 4999E3S	112	138	113	122	34	34	26	29	1	1	2
Revere Seed 4826XFS	111	143	114	121	26	29	24	29	1	1	2
Revere Seed 48-F72	115	139	115	122	33	26	23	25	1	1	3
Revere Seed 49-F36	116	137	116	123	36	32	22	31	1	1	4
Stine 48EE20	111	142	115	121	28	26	19	26	1	1	2
Syngenta NK48-A8XFS	116	134	113	122	34	31	25	30	1	1	3
Syngenta NK49-N7XF	117	140	116	121	31	28	22	29	1	1	3
University of Arkansas R18C-13665	113	133	116	122	44	33	23	26	2	1	2

¹R7 Date (One pod with the mature color; Prior to desiccation; Days after planting).

²Maturity (R8 - 95% brown pods; Days after planting).

³Plant height at R8 in inches.

⁴Lodging (1-5): 1=almost all plants erect; 5=all plants down.

⁵Green stem (0-5 scale): 0=no plants with symptoms; 3=36%-65% plants with symptoms; 5=91%-100% plants with symptoms.

Table 3C. MG 4.8-4.9 Abiotic/Biotic Stress Tolerance (With and Without Fungicide).

Variety	Central Station CLB Fungicide ¹	Central Station CLB Untreated ¹	Dean Lee CLB Fungicide ¹	Dean Lee CLB Untreated ¹	Macon Ridge TRD ²	Macon Ridge PSS ³	Macon Ridge Seed Quality ⁴	Macon Ridge Yield ⁵	Dean Lee Yield Fungicide ⁶	Dean Lee Yield Untreated ⁷	Central Station Yield Fungicide ⁸	Central Station Yield Untreated ⁹
Armor 48-F25S	3.90	3.90	3.50	6.00	4.00	4.00	7.30	40.00	57.92	46.08	58.70	49.88
Armor 48-F55S	2.70	3.00	2.50	4.00	4.80	8.90	6.80	42.20	58.80	50.90	60.28	55.83
Bayer AG 49XF4	5.00	4.70	3.50	5.50	6.00	9.90	7.00	42.40	51.93	41.30	60.55	47.83
Corteva Agriscience P48A04LX	3.90	4.20	3.50	6.50	11.50	4.10	7.00	34.10	48.71	37.50	59.93	51.20
Corteva Agriscience P48A14E	2.50	4.40	3.00	6.50	9.00	12.10	7.00	41.10	61.15	45.18	53.67	45.68
Corteva Agriscience P48Z70BLX	2.70	3.70	4.50	7.00	11.00	10.50	7.30	51.60	51.16	35.15	51.18	35.38
Delta Grow Seed 48X45RR2X	2.00	2.70	2.00	4.50	3.00	5.10	7.00	40.90	43.55	27.55	52.38	36.85
Delta Grow Seed 48XF33STS	4.20	4.70	3.50	7.00	5.50	7.30	6.30	43.40	50.25	38.85	57.97	48.18
Delta Grow Seed 48XF70STS	3.20	3.20	2.50	4.00	8.50	2.20	6.30	42.50	58.22	51.23	63.93	58.08
Delta Grow Seed 48XF80	2.20	3.00	3.00	4.50	3.50	6.20	6.60	47.60	49.19	43.70	57.98	56.23
Delta Grow Seed 49XF85STS	3.20	3.50	2.00	5.00	4.30	5.40	7.30	50.00	54.72	36.00	55.48	44.98
DONMARIO SEEDS DM48F53	4.20	4.20	4.50	6.50	13.80	0.60	7.00	38.80	50.01	39.83	48.50	43.40
Dyna Gro Seed S48XF35	3.00	3.70	2.00	5.00	6.30	3.50	7.30	49.80	63.17	46.30	65.20	55.60
Dyna Gro Seed S49XF43S	3.20	3.70	2.00	5.50	8.00	7.60	7.00	46.10	55.71	35.73	59.73	51.38
Integra XF4875S	2.50	2.70	2.00	4.50	7.00	2.20	6.50	40.20	57.41	56.90	57.68	47.65
Integra XF4914S	3.20	3.70	2.00	5.00	5.80	1.90	6.60	37.80	60.50	48.18	58.40	53.60
Progeny 4806XFS	2.50	4.10	3.00	4.50	7.80	3.30	6.80	37.10	52.63	41.23	48.43	41.13
Progeny 4848XF	3.90	4.50	4.50	5.50	8.80	5.00	7.00	35.10	49.03	36.50	54.95	52.33
Progeny 4947XFS	3.20	3.20	2.50	4.00	6.50	5.50	7.00	48.10	61.51	52.90	61.90	50.40
Progeny 4999E3S	3.50	3.50	4.00	5.00	11.00	11.20	7.00	34.60	58.90	49.70	63.00	45.53
Revere Seed 4826XFS	3.90	4.20	3.50	6.00	9.00	4.90	7.50	50.10	52.44	40.18	56.30	57.37
Revere Seed 48-F72	2.90	3.20	2.50	5.00	10.00	1.40	6.60	49.00	51.85	43.83	47.80	53.83
Revere Seed 49-F36	3.20	3.20	2.50	4.00	7.00	8.20	7.00	45.70	58.55	51.70	58.55	61.38
Stine 48EE20	2.70	3.70	5.00	6.00	9.50	7.90	7.00	43.70	58.99	44.08	54.30	42.93
Syngenta NK48-A8XFS	5.00	4.70	2.00	6.50	4.00	0.40	6.80	28.80	58.18	46.45	62.30	49.13
Syngenta NK49-N7XF	3.40	3.70	4.00	5.50	8.30	2.60	6.80	43.40	49.73	37.48	54.78	48.28
University of Arkansas R18C-13665	6.00	6.70	5.00	6.50	12.50	2.10	7.30	42.30	45.66	41.95	50.03	43.63
Grand Mean	3.40	3.84	3.13	5.39	7.64	5.33	6.91	42.46	54.44	43.20	56.81	49.17
LSD P=0.05	0.75- 1.41 ^s	0.86- 1.45 ^s	1.01	1.47		3.03- 6.90 ^s	NS	10.28	4.549- 5.945 ^s	5.65	7.28	8.12
LSD P=0.10					3.80							
Standard Deviation	0.07 ^t	0.06 ^t	0.49	0.72	3.22	5.07 ^t	0.69	7.29	0.030 ^t	4.01	5.16	5.76
CV	10.86 ^t	9.39 ^t	15.77	13.31	42.26	40.21 ^t	9.95	17.16	1.72 ^t	9.28	9.08	11.72

NS - Not significant.

¹Cercospora leaf blight (CLB) (0-9 scale): 0=no disease; 5=20%-40% foliar symptoms/20% defoliation; 9=completely defoliated.

²Taproot decline (TRD) (Number of plants with symptoms per row with a 20-ft row and 8 seed/ft).

³Purple seed stain (PSS) (0%-100% scale): 0%=no PSS; 100%=complete seed coverage of PSS.

⁴Seed quality (0-9 scale): 0=all seeds severely damaged; 9=no damage.

⁵Delayed harvest yield (bu/A) with a delayed harvest of one month.

⁶Yield (bu/A) for four-row OVT plots at the Dean Lee Research Station with a fungicide application (Revtek 8 oz/A with a non ionic surfactant at 0.25% applied at the R3-R4 growth stage).

⁷Yield (bu/A) for four-row OVT plots at the Dean Lee Research Station without a fungicide application.

⁸Yield (bu/A) for four-row OVT plots at the Central Station with a fungicide application (Revtek 8 oz/A with a non ionic surfactant at 0.25% applied at the R3-R4 growth stage).

⁹Yield (bu/A) for two-row OVT plots at the Central Station without a fungicide application.

^tMean descriptions are reported in transformed data units and are not de-transformed.

^sLSD value is a range calculated after transforming data.

Table 4A. Maturity Group 5.0-5.3 Soybean OVT Yield Data.

Variety	Central Station	Dean Lee	Iberia	Macon Ridge	Red River	Rice Station	2024 Average ¹	2-Year Average	3-Year Average
Bayer AG 50XF5	57.8	50.4	11.0	34.8	28.8	33.5	36.1		
Bayer AG 52XF5	51.6	49.0	8.7	31.5	46.5	22.7	35.0		
Corteva AgriscienceP50A08LX	45.7	49.1	16.3	29.7	37.0	32.8	35.1		
Corteva AgriscienceP53Z60LX	55.0	53.4	18.5	39.3	41.6	29.7	39.6		
Delta Grow Seed 52E30	47.2	52.6	15.2	29.8	28.9	24.9	33.1		
Delta Grow Seed 52XF90STS	42.2	60.5	18.6	31.2	34.5	26.2	35.5		
Delta Grow Seed 53XF95STS	46.7	45.9	11.7	32.7	28.3	25.8	31.9	36.8	
Dyna Gro Seed S51XF84S	59.4	57.7	12.5	31.1	31.5	36.1	38.0	38.8	
Progeny 5056XFS	50.7	47.5	15.2	30.1	46.6	28.2	36.4	38.6	41.7
Syngenta NK52-V1XF	57.3	51.6	11.7	35.1	40.5	25.3	36.9	39.1	
University of Missouri S20-1492	57.0	54.6	8.3	33.4	36.0	23.1	35.4		
University of Missouri S20-4428	53.6	53.2	13.9	29.7	42.2	20.6	35.5		
Location Average	52.0	52.1	13.5	32.4	36.9	27.4			
Soil Type	silt loam	silt loam	silty clay loam	silt loam	sandy loam	silt loam			
LSD P=0.05	5.40	NS	4.52	NS	NS	4.27			
Standard Deviation	3.75	7.13	3.11	5.06	9.26	2.96			
CV	7.21	13.68	23.08	15.64	25.13	10.79			

The 2024 OVT Trial was planted at these LSU AgCenter research stations: Central Station, Baton Rouge; Dean Lee, Alexandria; Iberia, Jeanerette; Macon Ridge, Winnsboro; Red River, Bossier City; and Rice Station, Crowley.

All yields are expressed in bushels per acre and adjusted to 13% moisture.

Bold - Highest yielding (P=0.05) at this location in 2024.

NS - Not significant.

¹Variety average from six research stations.

Table 4B. MG 5.0-5.3 Agronomic Data.

Variety	Dean Lee Maturity ¹	Iberia Maturity ²	Red River Maturity ²	Rice Station Maturity ²	Dean Lee Height ³	Iberia Height ³	Red River Height ³	Rice Station Height ³	Dean Lee Lodging ⁴	Red River Lodging ⁴	Dean Lee Green Stem ⁵
Bayer AG 50XF5	124	143	115	124	33	32	24	28	1	1	2
Bayer AG 52XF5	144	154	118	126	46	38	24	32	2	1	2
Corteva AgriscienceP50A08LX	122	141	115	123	26	30	23	28	2	1	2
Corteva AgriscienceP53Z60LX	122	137	116	123	21	23	21	26	1	1	3
Delta Grow Seed 52E30	122	145	114	124	33	31	23	28	2	1	1
Delta Grow Seed 52XF90STS	127	132	114	123	36	35	27	28	2	1	2
Delta Grow Seed 53XF95STS	124	137	112	125	25	27	20	25	1	1	2
Dyna Gro Seed S51XF84S	119	144	115	123	28	28	22	28	1	1	2
Progeny 5056XFS	130	144	117	124	34	33	25	30	2	1	3
Syngenta NK52-V1XF	118	141	114	126	32	28	23	27	1	1	3
University of Missouri S20-1492	121	137	114	125	37	29	21	25	2	1	1
University of Missouri S20-4428	116	143	114	126	40	32	27	28	2	1	2

¹R7 Date (One pod with the mature color; Prior to desiccation; Days after planting).

²Maturity (R8 - 95% brown pods; Days after planting).

³Plant height at R8 in inches.

⁴Lodging (1-5): 1=almost all plants erect; 5=all plants down.

⁵Green stem (0-5 scale): 0=no plants with symptoms; 3=36%-65% plants with symptoms; 5=91%-100% plants with symptoms.

Table 4C. MG 5.0-5.3 Abiotic/Biotic Stress Tolerance (With and Without Fungicide).

Variety	Central Station CLB Fungicide ¹	Central Station CLB Untreated ¹	Dean Lee CLB Fungicide ¹	Dean Lee CLB Untreated ¹	Macon Ridge TRD ²	Macon Ridge PSS ³	Macon Ridge Seed Quality ⁴	Macon Ridge Yield ⁵	Dean Lee Yield Fungicide ⁶	Dean Lee Yield Untreated ⁷	Central Station Yield Fungicide ⁸	Central Station Yield Untreated ⁹
Bayer AG 50XF5	2.80	2.80	3.70	6.50	9.80	2.10	7.50	22.70	50.42	52.95	57.78	48.85
Bayer AG 52XF5	1.80	2.00	0.00	2.50	6.00	0.40	7.50	21.40	49.00	56.78	51.58	48.19
Corteva Agriscience P50A08LX	3.50	4.80	2.90	6.50	9.30	6.70	6.30	19.50	49.10	42.23	45.72	35.68
Corteva Agriscience P53Z60LX	4.50	4.80	5.20	6.80	8.80	1.60	7.80	27.10	53.39	54.78	54.95	53.03
Delta Grow Seed 52E30	2.30	2.50	2.00	4.80	1.30	1.60	8.00	19.40	52.63	53.33	47.18	42.33
Delta Grow Seed 52XF90STS	2.80	2.80	2.20	5.30	7.50	4.30	7.30	18.00	60.52	47.78	42.18	43.95
Delta Grow Seed 53XF95STS	3.30	4.30	3.20	6.30	3.50	5.90	7.80	21.50	45.93	42.55	46.68	38.93
Dyna Gro Seed S51XF84S	4.30	5.30	4.70	6.00	6.30	1.60	7.80	18.50	57.73	46.75	59.38	47.27
Progeny 5056XFS	3.00	3.50	3.20	6.80	8.30	1.40	7.80	21.10	47.53	40.10	50.73	40.95
Syngenta NK52-V1XF	2.80	3.30	3.20	5.50	7.30	6.50	6.80	23.10	51.55	47.68	57.28	46.83
University of Missouri S20-1492	4.00	4.50	4.20	7.30	4.00	2.10	7.30	20.10	54.58	38.20	57.03	41.85
University of Missouri S20-4428	4.30	4.30	3.20	5.00	3.80	3.00	6.50	17.10	53.15	49.78	53.60	52.05
Grand Mean	3.25	3.71	3.14	5.75	6.33	3.10	7.33	20.80	52.13	47.74	52.00	44.99
LSD P=0.05	0.86	0.95	0.76- 1.25 ^s	1.06		2.21- 4.70 ^s	1.03	4.59	NS	6.98	5.40	NS
LSD P=0.10					3.26							
Standard Deviation	0.60	0.66	0.07 ^t	0.74	2.76	0.28 ^t	0.71	3.19	7.13	4.85	3.75	7.34
CV	18.43	17.72	11.62 ^t	12.79	43.17	50.83 ^t	9.74	15.33	13.68	10.16	7.21	16.30

NS - Not significant.

¹Cercospora leaf blight (CLB) (0-9 scale): 0=no disease; 5=20%-40% foliar symptoms/20% defoliation; 9=completely defoliated.

²Taproot decline (TRD) (Number of plants with symptoms per row with a 20-ft row and 8 seed/ft).

³Purple seed stain (PSS) (0%-100% scale): 0%=no PSS; 100%=complete seed coverage of PSS.

⁴Seed quality (0-9 scale): 0=all seeds severely damaged; 9=no damage.

⁵Delayed harvest yield (bu/A) with a delayed harvest of one month.

⁶Yield (bu/A) for four-row OVT plots at the Dean Lee Research Station with a fungicide application (Revytek 8 oz/A with a nonionic surfactant at 0.25% applied at the R3-R4 growth stage).

⁷Yield (bu/A) for two-row OVT plots at the Dean Lee Research Station without a fungicide application.

⁸Yield (bu/A) for four-row OVT plots at the Central Station with a fungicide application (Revytek 8 oz/A with a nonionic surfactant at 0.25% applied at the R3-R4 growth stage).

⁹Yield (bu/A) for two-row OVT plots at the Central Station without a fungicide application.

^tMean descriptions are reported in transformed data units and are not de-transformed.

^sLSD value is a range calculated after transforming data.

Table 5A. Maturity Group 5.4-5.7 Soybean OVT Yield Data.

Variety	Central Station	Dean Lee	Iberia	Macon Ridge	Red River	Rice Station	2024 Average ¹	2-Year Average	3-Year Average
Bayer AG 54XF5	51.5	64.4	11.3	28.2	28.6	30.7	35.8		
Bayer AG 55XF5	53.9	60.2	9.5	32.8	26.5	32.9	36.0		
Bayer AG 56XF2	51.6	61.2	15.9	31.3	33.3	26.6	36.7	37.3	40.6
Corteva Agriscience P56A71E	53.3	63.3	15.1	30.5	26.7	30.0	36.5	39.4	43.4
Delta Grow Seed 55X25RR2X	52.4	58.7	13.3	31.6	26.7	26.6	34.9	38.8	
Delta Grow Seed 55XF23	45.3	53.2	11.3	31.6	23.6	22.6	31.3	35.0	
Dyna Gro Seed S55XF95	52.3	61.4	9.9	35.0	33.9	31.5	37.3		
Progeny 5751XFS	49.9	67.3	14.0	34.4	25.0	23.7	35.7	37.6	
Syngenta NK54-J9XFS	61.5	65.6	8.6	31.6	33.3	29.8	38.4		
Syngenta NK56-Z6XFS	59.9	59.7	13.3	28.8	26.7	31.7	36.7	40.1	
Location Average	53.2	61.5	12.2	31.6	28.4	28.6			
Soil Type	silt loam	silt loam	silty clay loam	silt loam	sandy loam	silt loam			
LSD P=0.05	3.77	6.27	4.11	NS	NS	5.17			
Standard Deviation	2.60	3.65	2.81	5.64	6.77	3.56			
CV	4.89	5.94	22.99	17.85	23.83	12.43			

The 2024 OVT Trial was planted at these LSU AgCenter research stations: Central Station, Baton Rouge; Dean Lee, Alexandria; Iberia, Jeanerette; Macon Ridge, Winnsboro; Red River, Bossier City; and Rice Station, Crowley.

All yields are expressed in bushels per acre and adjusted to 13% moisture.

Bold - Highest yielding (P=0.05) at this location in 2024.

NS - Not significant.

¹Variety average from six research stations.

Table 5B. MG 5.4-5.7 Agronomic Data.

Variety	Dean Lee Maturity ¹	Iberia Maturity ²	Red River Maturity ²	Rice Station Maturity ²	Dean Lee Height ³	Iberia Height ³	Red River Height ³	Rice Station Height ³	Dean Lee Lodging ⁴	Red River Lodging ⁴	Dean Lee Green Stem ⁵
Bayer AG 54XF5	130	139	116	126	26	28	19	29	1	1	3
Bayer AG 55XF5	127	138	117	126	21	22	16	28	1	1	5
Bayer AG 56XF2	127	138	116	126	21	21	18	29	1	1	4
Corteva Agriscience P56A71E	128	148	115	127	20	23	19	28	1	1	3
Delta Grow Seed 55X25RR2X	132	143	117	127	21	23	16	26	1	1	5
Delta Grow Seed 55XF23	128	141	115	127	23	25	19	27	1	1	3
Dyna Gro Seed S55XF95	129	139	117	127	22	23	18	29	1	1	4
Progeny 5751XFS	151	153	118	127	18	24	15	27	1	1	3
Syngenta NK54-J9XFS	145	154	118	128	40	28	21	27	1	1	4
Syngenta NK56-Z6XFS	144	150	118	127	15	21	15	25	1	1	2

¹R7 Date (One pod with the mature color; Prior to desiccation; Days after planting).

²Maturity (R8 - 95% brown pods; Days after planting).

³Plant height at R8 in inches.

⁴Lodging (1-5): 1=almost all plants erect; 5=all plants down.

⁵Green stem (0-5 scale): 0=no plants with symptoms; 3=36%-65% plants with symptoms; 5=91%-100% plants with symptoms.

Table 5C. MG 5.4-5.7 Abiotic/Biotic Stress Tolerance (With and Without Fungicide).

Variety	Central Station CLB Fungicide ¹	Central Station CLB Untreated ¹	Dean Lee CLB Fungicide ¹	Dean Lee CLB Untreated ¹	Macon Ridge TRD ²	Macon Ridge PSS ³	Macon Ridge Seed Quality ⁴	Macon Ridge Yield ⁵	Dean Lee Yield Fungicide ⁶	Dean Lee Yield Untreated ⁷	Central Station Yield Fungicide ⁸	Central Station Yield Untreated ⁹
Bayer AG 54XF5	5.00	5.30	5.30	6.80	4.30	0.50	7.00	14.00	64.43	55.88	51.45	46.87
Bayer AG 55XF5	4.50	4.50	4.30	5.50	9.50	0.80	7.00	14.30	60.23	57.80	53.90	46.67
Bayer AG 56XF2	5.00	4.50	3.80	5.50	5.30	0.00	7.00	16.10	61.23	58.23	51.60	45.20
Corteva Agriscience P56A71E	3.30	3.50	3.00	5.30	8.00	0.00	6.50	13.20	63.33	50.15	53.33	38.77
Delta Grow Seed 55X25RR2X	4.80	4.50	3.80	5.30	8.50	0.50	7.30	12.90	58.67	52.53	52.43	49.33
Delta Grow Seed 55XF23	3.30	3.30	2.30	5.50	2.00	1.30	6.80	14.80	53.23	36.80	45.28	32.33
Dyna Gro Seed S55XF95	5.50	4.50	5.00	6.80	7.50	0.50	7.30	15.00	61.43	56.70	52.28	49.70
Progeny 5751XFS	2.30	2.00	2.50	4.30	11.50	0.00	7.50	15.90	67.30	55.95	49.90	50.23
Syngenta NK54-J9XFS	2.00	2.00	0.00	2.00	5.00	0.30	6.30	14.50	65.57	60.70	61.45	46.60
Syngenta NK56-Z6XFS	2.50	3.00	3.00	5.00	3.80	0.00	6.80	19.30	59.70	46.10	59.93	63.33
Grand Mean	3.80	3.71	3.28	5.14	6.54	0.38	6.93	14.99	61.51	54.89	53.15	46.90
LSD P=0.05	0.65	0.72	0.75	0.92		0.79	NS	NS	6.27	7.23	3.77	13.03
LSD P=0.10					3.26							
Standard Deviation	0.45	0.50	0.52	0.63	2.76	0.54	0.60	3.45	3.65	4.95	2.60	7.59
CV	11.77	13.46	15.85	12.21	43.17	144.93	8.73	23.00	5.94	9.02	4.89	16.19

NS - Not significant.

¹Cercospora leaf blight (CLB) (0-9 scale): 0=no disease; 5=20%-40% foliar symptoms/20% defoliation; 9=completely defoliated.

²Taproot decline (TRD) (Number of plants with symptoms per row with a 20-ft row and 8 seed/ft).

³Purple seed stain (PSS) (0%-100% scale): 0=no PSS; 100%=complete seed coverage of PSS.

⁴Seed quality (0-9 scale): 0=all seeds severely damaged; 9=no damage.

⁵Delayed harvest yield (bu/A) with a delayed harvest of one month.

⁶Yield (bu/A) for four-row OVT plots at the Dean Lee Research Station with a fungicide application (Revytek 8 oz/A with a nonionic surfactant at 0.25% applied at the R3-R4 growth stage).

⁷Yield (bu/A) for two-row OVT plots at the Dean Lee Research Station without a fungicide application.

⁸Yield (bu/A) for four-row OVT plots at the Central Station with a fungicide application (Revytek 8 oz/A with a nonionic surfactant at 0.25% applied at the R3-R4 growth stage).

⁹Yield (bu/A) for two-row OVT plots at the Central Station without a fungicide application.

Table 6A. Summary of 2024 On-Farm MG 4.1-4.4 Soybean Core-Block Demonstrations at Four Locations.

Variety	Acadia	Bossier	East Baton Rouge	Franklin
Bayer AG 42XF4	42.5	14.5	45.6	50.8
Delta Grow Seed DG43XF65STS	45.5	18.1	55.6	54.9
Delta Grow Seed DG46E10STS	40.9	7.4	-	43.6
Syngenta NK43-W1XFS	51.6	18.7	53.6	59.6
Corteva Agriscience P41Z80BLX	47.5	-	53.2	53.5
Corteva Agriscience P44A60LX	51.7	13.8	41.8	61.9
Location Average	46.6	14.5	50.0	54.1
Soil Type	Crowley silt loam	Moreland silty clay loam	Cancienne silt loam	silt loam
Planting Date	6/11/2024	Unavailable	6/12/2024	5/9/2024

All yields are expressed in bushels per acre and adjusted to 13% moisture.

Table 6B. Summary of 2024 On-Farm MG4.5-4.9 Soybean Core-Block Demonstrations at 11 Locations.

Variety	Acadia	Beauregard	Bossier	East Baton Rouge	Franklin	Franklin	Natchitoches	Pointe Coupee	Rapides	St. Landry	West Carroll
Bayer AG 46XF3	51.8	50.5	31.5	56.2	85.7	55.3	58.7	54.1	63.3	68.0	61.3
Bayer AG 49XF4	48.9	58.8	20.4	58.6	-	49.6	63.5	55.0	56.3	56.5	73.1
Corteva Agriscience P46A90LX	53.8	60.4	28.8	53.4	74.3	61.2	59.2	52.2	64.9	64.6	62.7
Corteva Agriscience P48Z70BLX	48.5	58.6	19.0	61.8	80.9	58.1	56.8	53.9	68.2	70.1	67.7
Delta Grow Seed DG46E30STS	48.6	-	23.9	46.9	-	39.7	-	50.5	70.4	62.8	50.6
Delta Grow Seed DG46XF54STS	42.5	56.4	15.9	52.2	79.6	54.6	55.8	46.1	70.5	67.3	63.0
Dyna-Gro Seed S47XF23S	44.8	58.5	12.2	59.2	81.7	58.6	59.7	55.0	68.4	68.0	70.5
Dyna-Gro Seed S49XF43S	39.8	50.5	27.6	47.9	84.4	39.0	58.3	51.4	67.6	66.9	61.7
Progeny 4691XF	39.3	62.8	28.5	58.1	92.9	53.8	60.4	54.5	60.6	69.8	68.8
Progeny 4947XFS	39.4	55.9	43.5	47.3	70.8	58.6	58.4	52.3	65.1	76.6	64.8
Syngenta NK49-N7XF	43.3	46.0	21.9	50.5	84.5	64.1	61.9	55.9	67.6	65.6	62.5
Location Average	45.5	55.9	24.8	53.8	81.7	53.9	59.3	52.8	65.7	66.9	64.3
Soil Type	Crowley silt loam	sandy Loam	Moreland silty clay loam	Cancienne silt loam	Gilbert-Gigger-Egypt	silt loam	sandy	silt loam	Coushatta silt loam	clay loam	Forestdale
Planting Date	6/11/2024	4/15/24	unavailable	6/12/2024	4/26/24	5/9/24	5/19/24	4/26/24	5/21/24	4/16/24	5/8/24

All yields are expressed in bushels per acre and adjusted to 13% moisture.

Table 6C. Summary of 2024 On-Farm MG 5.0-5.5 Soybean Core-Block Demonstrations at Five Locations.

Variety	Acadia	Bossier	East Baton Rouge	Evangeline	Franklin
Delta Grow Seed DG53XF95STS	23.5	21.8	42.1	38.7	26.0
Delta Grow Seed DG55XF23	30.1	32.0	43.4	22.7	-
Dyna-Gro 55XF95	22.3	39.6	47.1	-	66.1
Syngenta NK54-J9XFS	16.0	33.7	51.6	40.3	38.6
Corteva Agriscience P50A08LX	38.8	36.3	44.4	37.2	44.1
Corteva Agriscience P53Z60LX	32.1	37.8	43.7	45.9	43.3
Location Average	27.1	33.6	45.4	37.0	43.6
Soil Type	Crowley silt loam	Moreland silty clay loam	Cancienne silt loam	silt loam	silt loam
Planting Date	6/11/2024	unavailable	6/12/2024	5/23/24	5/9/24

All yields are expressed in bushels per acre and adjusted to 13% moisture.

Table 7. Summary of 2024 Conventional Soybean On-Farm Demonstration.

Variety	MG	Bossier
Corteva Agriscience P40A40	4.0	19.4
Corteva Agriscience P47A10S	4.7	32.0
Corteva Agriscience P48Z70BLX	4.8	27.7
University of Arkansas UA4923C	4.9	35.7
Location Average		28.7
Soil Type		Caplis very fine sandy loam
Planting Date		unavailable

All yields are expressed in bushels per acre and adjusted to 13% moisture.

Table 8. Summary of 2024 Soybean Nematode Resistance Demonstration.

Variety	MG	Bossier	Franklin
Bayer AG52XF5	5.2	40.2	-
Bayer AG54XF5	5.4	43.5	-
Delta Grow Seed DG43XF65STS	4.3	27.7	32.9
Delta Grow Seed DG46E10STS	4.6	23.8	25.6
Delta Grow Seed DG55XF23	5.5	48.8	-
Progeny 4444RXS	4.4	37.8	36.1
Progeny 4724XFS	4.7	37.1	23.9
Progeny 5554RX	5.5	52.8	23.1
Progeny 5751XF	5.7	50.9	-
Syngenta NK48-A8XFS	4.8	27.7	31.6
Syngenta NK52-V1XF	5.2	47.9	18.2
Syngenta NK56-Z6XFS	5.6	51.7	-
Syngenta S49-F5X1	4.9	29.0	38.8
	Location Average	39.9	28.8
	Soil Type	Caplis very fine sandy loam	silt loam
	Planting Date	unavailable	5/9/2024

All yields are expressed in bushels per acre and adjusted to 13% moisture.
'Syngenta S49-F5X was submitted as root-knot nematode susceptible variety.

AUTHORS

David Moseley

Assistant Professor
Dean Lee Research Station

Boyd Padgett

Professor
Dean Lee Research Station

Trey Price

Associate Professor
Macon Ridge Research Station

Manoch Kongchum

Associate Professor
H. Rouse Caffey Rice Research Station

Daniel Stephenson

Professor
Dean Lee Research Station

Rasel Parvej

Assistant Professor
Macon Ridge Research Station

James Villegas

Assistant Professor
Dean Lee Research Station

Dawson Kerns

Assistant Professor
Macon Ridge Research Station

Jeff Davis

Professor
Department of Entomology

Tristan Watson

Assistant Professor
Department of Plant Pathology
and Crop Physiology

Dennis Burns

Station Director
Northeast Research Station

Christopher Roider

Research Associate
Central Region Station

Greg Williams

Research Associate
Iberia Research Station

Russell Anderson

Research Associate
Red River Research Station

Bill Waltman

Research Associate
Red River Research Station

James Leonards

Research Associate
H. Rouse Caffey Rice Research Station

Jacob Fluitt

Research Associate
H. Rouse Caffey Rice Research Station

Tashia Monaghan

Research Associate
Dean Lee Research Station

Myra Purvis

Research Associate
Macon Ridge Research Station

Dustin Ezell

Research Associate
Macon Ridge Research Station

Brady McKay

Research Associate
Macon Ridge Research Station

Katarzyna Fic

Research Associate
Dean Lee Research Station

Bruce Garner

Parish Agent – West Carroll Parish

Mark Carriere

Parish Agent – Pointe Coupee Parish

Vince Deshotel

Parish Agent – St. Landry Parish

Justin Dufour

Parish Agent – Avoyelles Parish

Carol Pinnell-Alison

Parish Agent – Franklin Parish

Randall Mallette

Parish Agent – Natchitoches Parish

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