The 2024 OHIO SOYBEAN PERFORMANCE TRIALS

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INTRODUCTION

The purpose of the Ohio Soybean Performance Trials is to evaluate soybean varieties for yield and other agronomic characteristics. This evaluation gives soybean producers comparative information for selecting the best varieties for their unique production systems.

FIELD PLOT DESIGN

The entries for each test site were planted in a randomized complete block design. Each entry was replicated four times and planted in plots 28 ft long and 5 ft wide containing four rows seeded at 15-inch row width. Seeding rate was 150,000 seeds per acre. Corn was the previous crop at all locations, except N2 which was wheat followed by a cover crop and S1 which was soybean. All locations were no-till except the C2 which was minimum till and S2 which was planted into a stale seedbed. Farmer cooperators sprayed pre-emergence herbicides (varied by location). All locations were sprayed post-emergence with First Rate, Flexstar, and Select Max except N2 where Cobra replaced Flexstar.

METHOD OF CONDUCTING TRIALS

Entries in Trials. Performance of entries in The Ohio Soybean Performance Trials are published if seed will be available to Ohio soybean producers for the following planting season. All 2024 entries were submitted voluntarily by seed companies. Entry fee charges were paid per entry and region.

Test by Maturity and Type. Varieties were grouped, tested, and analyzed by maturity (early and late). Conventional (CV), Enlist (EN), and XtendFlex (XF) varieties were tested in the same block to allow for head-to-head comparisons. Varieties are comparable within a location and maturity grouping (early or late). Conventional herbicides were sprayed on all entries. Use the table below to find varieties by region and maturity.

2024 Tables by Region and Maturity Grouping		
North	Early (2.0-3.1)	Table 3
	Late (3.2-3.9)	Table 4
Central	Early (2.4-3.3)	Table 5
	Late (3.4-4.3)	Table 6
South	Early (2.7-3.6)	Table 7
	Late (3.7-4.4)	Table 8

MEASUREMENTS AND RECORDS

Relative Maturity. Relative maturity (RM) is a rating designed to account for all of the factors that affect maturity date and includes variety, planting date, weather, and latitude. Maturity is defined as the "95% brown pods" stage. A variety with a RM rating of 3.5 should reach the 95% brown pod stage 5 days later than a variety with a rating of 3.0. RM was submitted by seed companies.

Lodging Score. There was no lodging in 2024.

Seed Size is reported as number of seeds per pound. Seed size was determined from varieties grown at the C2 location.

Yield. Each soybean variety was harvested when the moisture content was between 8 and 14 percent and yields reported in bushels per acre at 13 percent moisture.

Protein, Oil %. Analysis was determined by near infrared transmittance technology. The test was performed using a Foss NIR whole grain analyzer and is reported at 13 percent moisture. Protein and oil were determined from varieties grown at the C2 location.

LSD. A Least Significant Difference (LSD) for yield was computed for each location and maturity grouping. LSDs are reported in bushels per acre at 13 percent moisture. Yields of two varieties within a location and maturity grouping are significantly different 90% of the time if their yields differ by more than the LSD value shown for that maturity group. A double asterisk (**) is used to denote the variety with the highest yield within a location and maturity grouping. A single asterisk (*) is used to denote varieties with yield not statistically different than the highest yielding variety.

DATA USE. Inclusion of entries in the Ohio Soybean Performance Trials does not constitute an endorsement of a particular entry by the Ohio State University, Ohio Agricultural Research and Development Center, or Ohio State University Extension.

Table 1: The 2024 Ohio Soybean Performance Trials, Site Descriptions

	N1 Henry Co.	N2 Sandusky Co.	C1 Mercer Co.	C2 Licking Co.	S1 Preble Co.	S2 Clinton Co.
Soil texture	Clay	Clay	Clay	Clay loam	Clay	Silt loam
Organic matter (%)	3.9	4.5	2.9	4.6	4.5	2.0
Soil pH	7.1	6.9	7.3	6.4	6.8	6.3
Soil Test P-Mehlich (ppm)	22	17	88	47	57	105
Soil Test K (ppm)	115	128	155	175	145	180
Plant date	May 23	May 21	May 22	May 13	May 16	May 20
Harvest date	Oct 10	Oct 11	Oct 9	Oct 4	Oct 7	Oct 8

Table 2. Company Listed by Variety, Maturity Rating, and Type

Physical characteristics and yield data for a variety can be located using the table number(s) associated with each entry in this directory.

Variety	RM	Type	Table #
Albert Lea Seed House			
1414 W. Main St.			**800-352-5247**
PO Box 1327			alseed.com
Albert Lea, MN 46007			
27B4	2.7	CV	3
30B4	3.0	CV	3, 5
3418N	3.4	CV	4, 6
39R4	3.9	CV	6
42D40	4.2	CV	6
Axis			
2974 Marion Green Camp Rd.			**614-348-6314**
Marion, OH 43302			axisohio.com
2315E	2.3	EN	3
2635ES	2.6	EN	3
2924ES	2.9	EN	3, 5
3104ES	3.1	EN	3, 5
3324 EXP	3.3	XF	4, 5, 7
3314E	3.3	EN	4, 5, 7
3514ES*	3.5	EN	4, 6, 7
3525E	3.5	EN	4, 6, 7
3605XF*	3.6	XF	4, 6, 7
3624 EXP	3.6	EN	4, 6, 7
3835E	3.8	EN	8
Bayer Crop Science			
800 North Lindbergh Blvd			**800-768-6387**
St. Louis, MO 63167			cropscience.bayer.us
AG24XF4	2.4	XF	3, 5
AG26XF4	2.6	XF	3, 5
AG27XF3	2.7	XF	3, 5, 7
AG30XF4	3.0	XF	3, 5, 7
AG33XF3	3.3	XF	4, 5, 7
AG36XF4	3.6	XF	4, 6, 7
AG39XF3	3.9	XF	4, 6, 8
AG43XF2	4.3	XF	6, 8

Variety	RM	Type	Table #
Benson Hill			
1001 North Warson Rd.			**614-594-7624**
St. Louis, MO 63132			bensonhillfarmers.com
BH23Q217	2.3	CV	3
BH23H228	2.3	CV	3
BH25C137	2.5	CV	3
E31Y806	3.1	CV	3, 5
BH31Q146	3.1	CV	3, 5
N35D950S	3.5	CV	4, 6, 7
BH35A231	3.5	CV	4, 6, 7
BH35A233	3.5	CV	4, 7
BX36Q861	3.6	CV	7
BX37C755	3.7	CV	6, 8
BH37Q218	3.7	CV	6, 8
BX37Q467	3.7	CV	6, 8
BH37U205	3.8	CV	6, 8
C38H052S	3.8	CV	8
BH39A232	3.9	CV	6, 8
DONMARIO			
2100 S Oak St., Suite 100			**217-372-5201**
Champaign, IL 61822			donmarioseeds.com
DM22E64	2.2	EN	3
DM24E84	2.4	EN	3, 5
DM36E94	3.6	EN	4, 6, 7
DM38E54	3.8	EN	4, 6, 8
Ebberts Field Seeds Inc.			
6840 N State Route 48			**937-473-2521**
Covington, OH 45318			ebbertsseeds.com
E2390 E3	2.3	EN	3
E2570 E3	2.5	EN	3
E2790 E3	2.7	EN	3, 5
E2980 E3	2.9	EN	3, 5
E3171 E3	3.1	EN	3, 5, 7
E3380 E3	3.3	EN	4, 5, 7
E3580 E3	3.5	EN	4, 6, 7
E3690 E3	3.6	EN	4, 6, 7
E3760 E3	3.7	EN	4, 6, 8
E3880 E3	3.8	EN	4, 6

Variety	RM	Type	Table #
FS HiSOY			
1705 Towanda Ave.			**309-557-6000**
Bloomington, IL 61702			fssystem.com
HS 23E40	2.3	EN	3
HS 24F40	2.4	XF	3
HS 25E30	2.5	EN	3, 5
HS 26E20	2.6	EN	3, 5
HS 28E10	2.8	EN	3, 5
HS 28F30	2.8	XF	3, 5
HS 29E40	2.9	EN	3, 5
HS 30F40	3.0	XF	3, 5
HS 30E40	3.0	EN	3, 5
HS 31E20	3.1	EN	3, 5
HS 33E20	3.3	EN	4, 5
HS 34E40	3.4	EN	4, 6
HS 34F30	3.4	XF	4
HS 36F40	3.6	XF	4, 6
HS 36E40	3.6	EN	4, 6
HS 37E40	3.7	EN	4, 6
Golden Harvest			
2001 Butterfield Rd, STE 1600			**800-652-7333**
Downer's Grove, IL 60515			goldenharvestseeds.com
GH2775E3	2.7	EN	3
GH2814E3S	2.8	EN, STS	3, 5
GH3035E3	3.0	EN	3, 5
GH3355E3S	3.3	EN, STS	4, 5, 7
GH3774E3	3.7	EN	8
GH3994E3	3.9	EN	8
NK Seeds			
2001 Butterfield Rd STE 1600			***260-433-4135***
Downer's Grove, IL 60515			syngenta-us.com/seeds/nk
NK26-M6E3	2.6	EN	3
NK30-A9E3	3.0	EN	3
NK33-Y7E3S	3.3	EN	5
NK34-Z8E3S	3.4	EN	6
NK36-Q6E3S	3.6	EN	6, 7
NK37-C1E3	3.7	EN	6, 8
NK39-J2E3	3.9	EN	8
NK40-P5E3	4.0	EN	8

*Variety was tested twice with 1- Revolve+ seed treatment and 2- Revline Hopper Throttle with Ether + Revolve+ seed treatment.

Table 2. Company Listed by Variety, Maturity Rating, and Type
CONTINUED FROM PREVIOUS PAGE

Physical characteristics and yield data for a variety can be located using the table number(s) associated with each entry in this directory.

Variety	RM	Type	Table #
Nutrien Ag Solutions			
717 Robinson Rd SE			**740-207-0182**
Washington CH, OH 43160			dynagroseed.com
S25EN74	2.5	EN	3
S29ES45	2.9	EN	3, 5, 7
S31EN14	3.1	EN	3, 5, 7
S38EN75	3.8	EN	6, 8
S40EN54	4.0	EN	8
Seed Consultants, Inc.			
648 Miami Trace Rd.			**800-708-2676**
Washington CH, OH 43160			seedconsultants.com
SC7315E™	3.1	EN	3, 5
SC7332E™	3.3	EN	4, 5, 7
SC7355E™	3.5	EN	4, 6, 7
SC7364E™	3.6	EN	4, 6, 7
SC7375E™	3.7	EN	4, 6, 8
SC7385E™	3.8	EN	4, 6, 8
Seed Genetics Direct			
PO Box 32			**740-505-6545**
9983 Jeffersonville West Lancaster Rd.			
Jeffersonville, OH 43128			seedgeneticsdirect.com
ET-1724E3S	2.4	EN	3
ET-4725E3	2.5	EN	3
ET-3728E3	2.8	EN	3, 5
ET-3729E3S	2.9	EN	3, 5
ET-3731E3S	3.1	EN	3, 5
ET-4732E3	3.2	EN	4, 5, 7
ET-0733E3	3.3	EN	4, 5, 7
ET-3733E3	3.3	EN	4, 5, 7
ET-4734E3S	3.4	EN	4, 7
ET-3735E3	3.5	EN	4, 6, 7
ET-4736E3	3.6	EN	4, 6, 7
ET-4738E3	3.8	EN	6, 8
ET-4739E3	3.9	EN	6, 8
ET-3739E3S	3.9	EN	6, 8
ET-4743E3S	4.3	EN	8
ET-4744E3S	4.4	EN	8

Variety	RM	Type	Table #
Seedway			
1734 Railroad Place			**800-836-3710**
Hall, NY 14463			seedway.com
SG 2923E3	2.9	EN	3
SX 3194XTF	3.1	XF	3
SG 3323E3	3.3	EN	EN
SX 3514E3	3.5	EN	EN
Shur Grow			
6239 St. Rt. 187			**800-231-7333**
Mechanicsburg, OH 43044			heritagecooperative.com
SG-2554E3	2.5	EN	5
SG-EXP25A	2.5	EN	5
CT-2625E3	2.6	EN	5
SG-2954E3S	2.9	EN	5
CT-3055E3S	3.0	EN	5
SG-3053E3S	3.0	EN	5
SG-3254E3	3.2	EN	5
CT-3385E3S	3.3	EN	5
CT-3485E3S	3.4	EN	6
SG-3454E3S	3.4	EN	6
SG-EXP35A	3.5	EN	6
SG-EXP36A	3.6	EN	6
SG-3784E3	3.7	EN	6

Variety	RM	Type	Table #
Xitavo Soybean Seed			
103 Avenue D			**419-466-5154**
West Point, IA, 52656			xitavosoybeanseed.com
XO 2305E	2.3	EN	3
XO 2444E	2.4	EN	3
XO 2625E	2.6	EN	3
XO 2865E	2.8	EN	3, 5
XO 2985E	2.9	EN	3, 5
XO 3014E	3.0	EN	3, 5, 7
XO 3105E	3.1	EN	3, 5, 7
XO 3224E	3.2	EN	4, 5, 7
XO 3375E	3.3	EN	4, 5, 7
XO 3555E	3.5	EN	4, 6, 7
XO 3655E	3.6	EN	4, 6, 7
XO 3795E	3.7	EN	4, 6, 8
XO 3855E	3.8	EN	6, 8
XO 4255E	4.2	EN	8

TABLE 3: The 2024 Ohio Soybean Performance Trials, *North Region - Early Varieties (RM 2.0-3.1)*

Entry		Seed & Plant Characteristics			North Region Yield (bu/ac)			
Variety	Brand	Type	Seed Treatment	RM	N1	N2	'24 Mean	'23-'24 Mean
30B4	Viking|Blue River	CV	None	3.0	57.5*	51.0**	54.3	
SG 2923E3	Seedway	EN	Obtayn	2.9	58.8*	45.7*	52.3	68.4
E3171 E3	Ebberts Field Seeds	EN	EBBERTS Complete	3.1	58.6*	41.7	50.2	67.2
27B4	Viking|Blue River	CV	None	2.7	55.0*	43.8	49.4	
E2790 E3	Ebberts Field Seeds	EN	EBBERTS Complete	2.7	56.5*	42.0	49.3	66.8
HS 30F40	Growmark, Inc.	XF	Acceleron I+F with Saltro	3.0	56.2*	41.1	48.7	
SC7315E™	Seed Consultants, Inc.	EN	LumiGen	3.1	55.3*	41.7	48.5	
3104ES	Axis	EN	Revolve+	3.1	51.1	45.8*	48.5	
GH2814E3S	Golden Harvest	EN, STS	CruiserMaxx APX + Saltro	2.8	55.5*	40.7	48.1	68.1
AG26XF4	Asgrow	XF	Acceleron	2.6	59.5**	36.4	48.0	
E2980 E3	Ebberts Field Seeds	EN	EBBERTS Complete	2.9	53.0	42.3	47.7	65.1
AG30XF4	Asgrow	XF	Acceleron	3.0	51.1	41.9	46.5	
SX 3194XTF	Seedway	XF	Obtayn	3.1	49.0	43.7	46.4	
HS 25E30	Growmark, Inc.	EN	Acceleron I+F with Saltro	2.5	44.6	47.1*	45.9	
S29ES45	Dyna-Gro Seed	EN	Equity VAYO + Saltro	2.9	43.3	48.3*	45.8	
GH2775E3	Golden Harvest	EN	CruiserMaxx APX + Saltro	2.7	48.2	43.0	45.6	
XO 3014E	Xitavo	EN	Obvius Plus, Poncho Votivo, ILEVO, Relenya	3.0	52.9	37.2	45.1	61.8
S25EN74	Dyna-Gro Seed	EN	Equity VAYO + Saltro	2.5	51.9	37.8	44.9	64.5
S31EN14	Dyna-Gro Seed	EN	Equity VAYO + Saltro	3.1	51.4	38.1	44.8	59.0
ET-3729E3S	Seed Genetics Direct	EN	Fludioxonil + Metalaxyl + Vitavax + N-Force	2.9	50.8	37.8	44.3	
DM22E64	DONMARIO	EN	CruiserMaxx APX + ILEVO	2.2	51.5	35.6	43.6	
2924ES	Axis	EN	Revolve+	2.9	51.7	35.3	43.5	
XO 2625E	Xitavo	EN	Obvius Plus, Poncho Votivo, ILEVO, Relenya	2.6	45.3	41.7	43.5	
BH23Q217	Benson Hill	CV	CruiserMaxx APX + Saltro	2.3	51.5	35.4	43.5	
HS 31E20	Growmark, Inc.	EN	Acceleron I+F with Saltro	3.1	50.1	36.4	43.3	61.7
GH3035E3	Golden Harvest	EN	CruiserMaxx APX + Saltro	3.0	53.4	33.0	43.2	
2635ES	Axis	EN	Revolve+	2.6	50.1	36.2	43.2	
XO 2985E	Xitavo	EN	Obvius Plus, Poncho Votivo, ILEVO, Relenya	2.9	48.5	37.7	43.1	
NK30-A9E3	NK Seeds	EN	CruiserMaxx APX + Saltro	3.0	53.2	32.4	42.8	
E31Y806	Benson Hill	CV	CruiserMaxx APX + Saltro	3.1	45.9	39.5	42.7	
XO 3105E	Xitavo	EN	Obvius Plus, Poncho Votivo, ILEVO, Relenya	3.1	53.7*	31.2	42.5	
E2570 E3	Ebberts Field Seeds	EN	EBBERTS COMPLETE	2.5	47.8	36.6	42.2	62.1
XO 2444E	Xitavo	EN	Obvius Plus, Poncho Votivo, ILEVO, Relenya	2.4	47.4	36.6	42.0	60.2
HS 30E40	Growmark, Inc.	EN	Acceleron I+F with Saltro	3.0	43.3	38.7	41.0	
XO 2865E	Xitavo	EN	Obvius Plus, Poncho Votivo, ILEVO, Relenya	2.8	45.7	36.2	41.0	
AG27XF3	Asgrow	XF	Acceleron	2.7	48.8	33.0	40.9	64.7
ET-3731E3S	Seed Genetics Direct	EN	Fludioxonil + Metalaxyl + Vitavax + N-Force	3.1	46.4	35.3	40.9	
BH31Q146	Benson Hill	CV	CruiserMaxx APX + Saltro	3.1	49.7	31.4	40.6	
HS 28E10	Growmark, Inc.	EN	Acceleron I+F with Saltro	2.8	48.0	33.1	40.6	62.6
NK26-M6E3	NK Seeds	EN	CruiserMaxx APX + Saltro	2.6	44.1	37.0	40.6	
HS 29E40	Growmark, Inc.	EN	Acceleron I+F with Saltro	2.9	42.9	36.0	39.5	
BH25C137	Benson Hill	CV	CruiserMaxx APX + Saltro	2.5	45.9	32.2	39.1	
HS 24F40	Growmark, Inc.	XF	Acceleron I+F with Saltro	2.4	42.2	33.8	38.0	
HS 26E20	Growmark, Inc.	EN	Acceleron I+F with Saltro	2.6	38.7	37.3	38.0	57.9
E2390 E3	Ebberts Field Seeds	EN	EBBERTS Complete	2.3	43.3	32.4	37.9	
AG24XF4	Asgrow	XF	Acceleron	2.4	45.5	29.3	37.4	
ET-3728E3	Seed Genetics Direct	EN	Fludioxonil + Metalaxyl + Vitavax + N-Force	2.8	41.1	33.3	37.2	
ET-1724E3S	Seed Genetics Direct	EN	Fludioxonil + Metalaxyl + Vitavax + N-Force	2.4	41.2	31.9	36.6	
DM24E84	DONMARIO	EN	CruiserMaxx APX + ILEVO	2.4	41.3	31.7	36.5	
HS 28F30	Growmark, Inc.	XF	Acceleron I+F with Saltro	2.8	37.6	35.0	36.3	58.6
BH23H228	Benson Hill	CV	CruiserMaxx APX + Saltro	2.3	41.5	30.5	36.0	
2315E	Axis	EN	Revolve+	2.3	33.4	33.2	33.3	
ET-4725E3	Seed Genetics Direct	EN	Fludioxonil + Metalaxyl + Vitavax-34 + N-Force	2.5	37.4	29.2	33.3	
XO 2305E	Xitavo	EN	Obvius Plus, Poncho Votivo, ILEVO, Relenya	2.3	31.5	34.5	33.0	
HS 23E40	Growmark, Inc.	EN	Acceleron I+F with Saltro	2.3	31.9	32.9	32.4	
			Min	2.0	31.5	29.2	32.4	
			Max	3.1	59.5	51.0	54.3	
			Mean	2.7	48.0	37.8	42.5	
			LSD (0.1)		5.9	6.5		
			CV		10.3	14.6		

**Highest yielding variety; *Varieties with yield not statistically different than the highest yielding variety. Please note: Minimum, maximum, and mean include data for experimental soybean varieties that are not published in this bulletin.

TABLE 4: The 2024 Ohio Soybean Performance Trials, *North Region - Late Varieties (RM 3.2-3.9)*

Entry		Seed & Plant Characteristics			North Region Yield (bu/ac)			
Variety	Brand	Type	Seed Treatment	RM	N1	N2	'24 Mean	'23-'24 Mean
E3880 E3	Ebberts Field Seeds	EN	EBBERTS Complete	3.8	66.0*	47.3*	56.7	70.3
E3580 E3	Ebberts Field Seeds	EN	EBBERTS Complete	3.5	59.0	50.2*	54.6	69.2
HS 34E40	Growmark, Inc.	EN	Acceleron I+F with Saltro	3.4	61.3	47.8*	54.6	
HS 36F40	Growmark, Inc.	XF	Acceleron I+F with Saltro	3.6	63.0*	45.7*	54.4	
E3690 E3	Ebberts Field Seeds	EN	EBBERTS Complete	3.6	58.3	49.6*	54.0	
E3380 E3	Ebberts Field Seeds	EN	EBBERTS Copmlete	3.3	59.7	47.3*	53.5	68.5
3605XF	Axis	XF	Revline Hopper Throttle with Ether + Revolve+	3.6	62.8*	44.1	53.5	
E3760 E3	Ebberts Field Seeds	EN	EBBERTS Complete	3.7	67.4**	38.8	53.1	71.3
HS 37E40	Growmark, Inc.	EN	Acceleron I+F with Saltro	3.7	53.5	52.4**	53.0	
SC7385E™	Seed Consultants, Inc.	EN	LumiGen	3.8	60.7	45.1*	52.9	
N35D950S	Benson Hill	CV	CruiserMaxx APX + Saltro	3.5	58.3	46.1*	52.2	
XO 3555E	Xitavo	EN	Obvius Plus, Poncho Votivo, ILEVEL, Relenya	3.5	56.6	47.1*	51.9	
ET-4732E3	Seed Genetics Direct	EN	Fludioxonil + Metalaxyl + Vitavax-34 + N-Force	3.2	56.2	47.2*	51.7	
SG 3323E3	Seedway	EN	Obtayn	3.3	63.1*	40.0	51.6	67.0
SC7375E™	Seed Consultants, Inc.	EN	LumiGen	3.7	60.5	42.4	51.5	
HS 33E20	Growmark, Inc.	EN	Acceleron I+F with Saltro	3.3	64.2*	37.9	51.1	
3605XF	Axis	XF	Revolve+	3.6	57.9	43.9	50.9	
XO 3224E	Xitavo	EN	Obvius Plus, Poncho Votivo, ILEVEL, Relenya	3.2	59.4	41.9	50.7	67.9
3324 EXP	Axis	XF	Revolve+	3.3	54.1	47.0*	50.6	
XO 3375E	Xitavo	EN	Obvius Plus, Poncho Votivo, ILEVEL, Relenya	3.3	55.8	44.7	50.3	
3314E	Axis	EN	Revolve+	3.3	61.6*	38.8	50.2	
SX 3514E3	Seedway	EN	Obtayn	3.5	56.4	43.7	50.1	
SC7364E™	Seed Consultants, Inc.	EN	LumiGen	3.6	56.2	43.5	49.9	67.6
DM36E94	DONMARIO	EN	CruiserMaxx APX + Saltro	3.6	57.5	41.1	49.3	
SC7355E™	Seed Consultants, Inc.	EN	LumiGen	3.5	59.2	38.6	48.9	
HS 34F30	Growmark, Inc.	XF	Acceleron I+F with Saltro	3.4	55.0	42.6	48.8	65.9
3418N	Viking|Blue River	CV	None	3.4	56.4	41.0	48.7	
3624 EXP	Axis	EN	Revolve+	3.6	58.5	38.4	48.5	
GH3355E3S	Golden Harvest	EN, STS	CrusierMaxx APX + Saltro	3.3	56.3	40.6	48.5	
BH35A231	Benson Hill	CV	CrusierMaxx APX + Saltro	3.5	53.3	42.8	48.1	
DM38E54	DONMARIO	EN	CruiserMaxx APX + ILEVO	3.8	52.6	43.3	48.0	
BH35A233	Benson Hill	CV	CruiserMaxx APX + Saltro	3.5	52.0	42.8	47.4	
AG39XF3	Asgrow	XF	Acceleron	3.9	54.5	39.9	47.2	64.7
ET-0733E3	Seed Genetics Direct	EN	Fludioxonil + Metalaxyl + Vitavax-34 + N-Force	3.3	53.8	40.1	47.0	
ET-4734E3S	Seed Genetics Direct	EN	Fludioxonil + Metalaxyl + Vitavax-34 + N-Force	3.4	54.5	38.5	46.5	
XO 3795E	Xitavo	EN	Obvius Plus, Poncho Votivo, ILEVO, Relenya	3.7	54.4	38.1	46.3	
3514ES	Axis	EN	Revline Hopper Throttle with Ether + Revolve+	3.5	55.5	36.7	46.1	
3514ES	Axis	EN	Revolve+	3.5	53.0	38.7	45.9	
ET-4736E3	Seed Genetics Direct	EN	Fludioxonil + Metalaxyl + Vitavax-34 + N-Force	3.6	57.0	34.7	45.9	
SC7332E™	Seed Consultants, Inc.	EN	LumiGen	3.3	50.6	39.7	45.2	63.7
ET-3733E3	Seed Genetics Direct	EN	Fludioxonil + Metalaxyl + Vitavax-34 + N-Force	3.3	49.6	40.2	44.9	
AG36XF4	Asgrow	XF	Acceleron	3.6	56.9	32.7	44.8	
AG33XF3	Asgrow	XF	Acceleron	3.3	55.0	34.5	44.8	64.9
HS 36E40	Growmark, Inc.	EN	Acceleron I+F with Saltro	3.6	49.9	37.2	43.6	
3525E	Axis	EN	Revolve+	3.5	48.0	36.4	42.2	
XO 3655E	Xitavo	EN	Obvius Plus, Poncho Votivo, ILEVO, Relenya	3.6	48.2	35.2	41.7	
ET-3735E3	Seed Genetics Direct	EN	Fludioxonil + Metalaxyl + Vitavax-34 + N-Force	3.5	50.8	31.4	41.1	
			Min	3.2	48.0	31.4	41.1	
			Max	3.9	67.4	52.4	56.7	
			Mean	3.5	56.8	41.7	49.1	
			LSD (0.1)		5.8	7.3		
			CV		8.7	14.9		

**Highest yielding variety; *Varieties with yield not statistically different than the highest yielding variety. Please note: Minimum, maximum, and mean include data for experimental soybean varieties that are not published in this bulletin.

TABLE 5: The 2024 Ohio Soybean Performance Trials, *Central Region - Early Varieties (RM 2.4-3.3)*

Entry		Seed & Plant Characteristics			Central Region Yield (bu/ac)			
Variety	Brand	Type	Seed Treatment	RM	C1	C2	'24 Mean	'23-'24 Mean
30B4	Viking|Blue River	CV	None	3.0	71.4**	95.0*	83.2	
ET-3729E3S	Seed Genetics Direct	EN	Fludioxonil + Metalaxyl + Vitavax-34 + N– Force	2.9	70.5*	94.2*	82.4	
XO 3105E	Xitavo	EN	Obvius Plus, Poncho Votivo, ILEVO, Relenya	3.1	61.5	100.8**	81.2	
HS 30F40	Growmark, Inc.	XF	Acceleron I+F with Saltro	3.0	65.3*	91.1*	78.2	
SG-2954E3S	Shur Grow	EN	Not specified	2.9	62.0	92.6*	77.3	
HS 28E10	Growmark, Inc.	EN	Acceleron I+F with Saltro	2.8	61.9	92.2*	77.1	72.3
E2980 E3	Ebberts Field Seeds	EN	EBBERTS Complete	2.9	69.8*	83.7	76.8	76.0
SC7315E™	Seed Consultants, Inc.	EN	LumiGen	3.1	64.4	88.5	76.5	
XO 3014E	Xitavo	EN	Obvius Plus, Poncho Votivo, ILEVO, Relenya	3.0	67.6*	84.4	76.0	74.0
AG33XF3	Asgrow	XF	Acceleron	3.3	66.4*	85.1	75.8	70.1
NK33-Y7E3S	NK Seeds	EN	CruiserMaxx APX + Saltro	3.3	69.6*	81.4	75.5	
E2790 E3	Ebberts Field Seeds	EN	EBBERTS Complete	2.7	66.6*	83.6	75.1	
GH2814E3S	Golden Harvest	EN, STS	CruiserMaxx APX + Saltro	2.8	67.9*	80.6	74.3	74.7
ET-4732E3	Seed Genetics Direct	EN	Fludioxonil + Metalaxyl + Vitavax-34 + N– Force	3.2	66.9*	81.6	74.3	
AG27XF3	Asgrow	XF	Acceleron	2.7	59.4	88.9	74.2	74.1
E3380 E3	Ebberts Field Seeds	EN	EBBERTS Complete	3.3	64.4	83.1	73.8	72.8
SC7332E™	Seed Consultants, Inc.	EN	LumiGen	3.3	62.9	83.1	73.0	69.6
XO 3375E	Xitavo	EN	Obvius Plus, Poncho Votivo, ILEVO, Relenya	3.3	62.5	82.8	72.7	
HS 30E40	Growmark, Inc.	EN	Acceleron I+F with Saltro	3.0	62.2	82.8	72.5	
AG26XF4	Asgrow	XF	Acceleron	2.6	58.8	85.4	72.1	
3314E	Axis	EN	Revolve+	3.3	63.0	80.9	72.0	
S29ES45	Dyna-Gro Seed	EN	Equity VAYO + Saltro	2.9	62.2	81.6	71.9	
HS 25E30	Growmark, Inc.	EN	Acceleron I+F with Saltro	2.5	62.9	79.5	71.2	
S31EN14	Dyna-Gro Seed	EN	Equity VAYO + Saltro	3.1	61.5	79.9	70.7	66.6
HS 31E20	Growmark, Inc.	EN	Acceleron I+F with Saltro	3.1	66.5*	74.9	70.7	70.3
SG-3053E3S	Shur Grow	EN	Not specified	3.0	65.7*	75.4	70.6	
GH3355E3S	Golden Harvest	EN, STS	CruiserMaxx APX + Saltro	3.3	59.0	81.8	70.4	
XO 3224E	Xitavo	EN	Obvius Plux, Poncho Votivo, ILEVO, Relenya	3.2	58.9	81.7	70.3	70.8
HS 33E20	Growmark, Inc.	EN	Acceleron I+F with Saltro	3.3	63.5	76.0	69.8	
AG24XF4	Asgrow	XF	Acceleron	2.4	59.4	79.8	69.6	
ET-0733E3	Seed Genetics Direct	EN	Fludioxonil + Metalaxyl + Vitavax-34 + N-Force	3.3	63.6	75.5	69.6	
AG30XF4	Asgrow	XF	Acceleron	3.0	62.1	76.0	69.1	
CT-3385E3S	Shur Grow	EN	Not specified	3.3	64.2	73.7	69.0	
SG-3254E3	Shur Grow	EN	Not specified	3.2	60.2	77.4	68.8	
GH3035E3	Golden Harvest	EN	CruiserMaxx APX + Saltro	3.0	58.9	78.5	68.7	
XO 2985E	Xitavo	EN	Obvius Plux, Poncho Votivo, ILEVO, Relenya	2.9	59.9	75.8	67.9	
E3171 E3	Ebberts Field Seeds	EN	EBBERTS Complete	3.1	61.9	73.1	67.5	67.7
3324 EXP	Axis	XF	Revolve+	3.3	62.8	71.8	67.3	
E31Y806	Benson Hill	CV	CruiserMaxx APX + Saltro	3.1	59.2	75.2	67.2	
SG-EXP25A	Shur Grow	EN	Not specified	2.5	54.6	79.7	67.2	
ET-3731E3S	Seed Genetics Direct	EN	Fludioxonil + Metalaxyl + Vitavax-34 + N-Force	3.1	67.4*	66.7	67.1	
CT-2625E3	Shur Grow	EN	Not specified	2.6	60.0	72.8	66.4	
SG-2554E3	Shur Grow	EN	Not specified	2.5	57.2	75.1	66.2	
3104ES	Axis	EN	Revolve+	3.1	58.9	72.5	65.7	
ET-3728E3	Seed Genetics Direct	EN	Fludioxonil + Metalaxyl + Vitavax-34 + N-Force	2.8	62.8	68.6	65.7	
HS 29E40	Growmark, Inc.	EN	Acceleron I+F with Saltro	2.9	57.2	74.1	65.7	
CT-3055E3S	Shur Grow	EN	Not specified	3.0	61.8	68.0	64.9	
XO 2865E	Xitavo	EN	Obvius Plux, Poncho Votivo, ILEVO, Relenya	2.8	59.1	68.2	63.7	
2924ES	Axis	EN	Revolve+	2.9	63.1	63.8	63.5	
DM24E84	DONMARIO	EN	CruiserMaxx APX + ILEVO	2.4	45.2	81.5	63.4	
ET-3733E3	Seed Genetics Direct	EN	Fludioxonil + Metalaxyl + Vitavax-34 + N-Force	3.3	51.8	74.9	63.4	

NOTE: Central Region, Early Variety Trial Results are Continued on the Next Page.

TABLE 5: The 2024 Ohio Soybean Performance Trials, *Central Region - Early Varieties (RM 2.4-3.3)*
CONTINUED FROM PREVIOUS PAGE

Entry		Seed & Plant Characteristics			Central Region Yield (bu/ac)			
Variety	Brand	Type	Seed Treatment	RM	C1	C2	'24 Mean	'23-'24 Mean
HS 26E20	Growmark, Inc.	EN	Acceleron I+F with Saltro	2.6	57.4	67.1	62.3	62.0
BH31Q146	Benson Hill	CV	CruiserMaxx APX + Saltro	3.1	54.2	69.1	61.7	
HS 28F30	Growmark, Inc.	XF	Acceleron I+F with Saltro	2.8	55.3	64.6	60.0	59.9
			Min	2.4	45.2	63.8	60.0	
			Max	3.3	71.4	100.8	83.2	
			Mean	3.0	61.7	78.8	70.3	
			LSD (0.1)		6.9	10.4		
			CV		9.5	11.4		

**Highest yielding variety; *Varieties with yield not statistically different than the highest yielding variety. Please note: Minimum, maximum, and mean include data for experimental soybean varieties that are not published in this bulletin.

TABLE 6: The 2024 Ohio Soybean Performance Trials, *Central Region - Late Varieties (RM 3.4-4.3)*

Entry		Seed & Plant Characteristics			Central Region Yield (bu/ac)			
Variety	Brand	Type	Seed Treatment	RM	C1	C2	'24 Mean	'23-'24 Mean
SG-EXP36A	Shur Grow	EN	Not specified	3.6	67.0*	95.9**	81.5	
SC7355E™	Seed Consultants, Inc.	EN	LumiGen	3.5	68.2**	93.4*	80.8	
E3690 E3	Ebberts Field Seeds	EN	EBBERTS Complete	3.6	67.9*	92.0*	80.0	
ET-4738E3	Seed Genetics Direct	EN	Fludioxonil + Metalaxyl + Vitavax-34 + N-Force	3.8	64.5*	92.3*	78.4	
3605XF	Axis	XF	Revolve+	3.6	61.4	94.5*	78.0	
SC7375E™	Seed Consultants, Inc.	EN	LumiGen	3.7	64.6*	89.8*	77.2	
S38EN75	Dyna-Gro Seed	EN	Equity VAYO + Saltro	3.8	60.9	93.4*	77.2	
DM38E54	DONMARIO	EN	CruiserMaxx APX + ILEVO	3.8	58.1	95.3*	76.7	
3605XF*	Axis	XF	Revline Hopper Throttle with Ether + Revolve+	3.6	63.5*	89.7*	76.6	
SC7364E™	Seed Consultants, Inc.	EN	LumiGen	3.6	60.7	92.5*	76.6	73.0
NK37-C1E3	NK Seeds	EN	CruiserMaxx APX + Saltro	3.7	62.7*	88.9*	75.8	
3514ES*	Axis	EN	Revline Hopper Throttle with Ether + Revolve+	3.5	63.6*	87.7*	75.7	
HS 34E40	Growmark, Inc.	EN	Acceleron I+F with Saltro	3.4	67.6*	83.6	75.6	
AG36XF4	Asgrow	XF	Acceleron	3.6	60.5	90.6*	75.6	
BX37C755	Benson Hill	CV	CruiserMaxx APX + Saltro	3.7	61.6	88.9*	75.3	
BH35A231	Benson Hill	CV	CruiserMaxx APX + Saltro	3.5	65.2*	84.0	74.6	
E3760 E3	Ebberts Field Seeds	EN	EBBERTS Complete	3.7	62.7*	86.2	74.5	76.4
HS 37E40	Growmark, Inc.	EN	Acceleron I+F with Saltro	3.7	62.6*	86.3	74.5	
NK36-Q6E3S	NK Seeds	EN	CruiserMaxx APX + Saltro	3.6	63.2*	85.7	74.5	
ET-4736E3	Seed Genetics Direct	EN	Fludioxonil + Metalaxyl + Vitavax-34 + N-Force	3.6	58.8	90.1*	74.5	
39R4	Viking|Blue River	CV	None	3.9	65.1*	83.8	74.5	
3525E	Axis	EN	Revolve+	3.5	62.4*	86.4	74.4	
N35D950S	Benson Hill	CV	CruiserMaxx APX + Saltro	3.5	63.5*	85.2	74.4	
XO 3555E	Xitavo	EN	Obvius Plus, Poncho Votivo, ILEVO, Relenya	3.5	66.8*	81.9	74.4	
SG-3784E3	Shur Grow	EN	Not specified	3.7	60.6	87.8*	74.2	
SG-EXP35A	Shur Grow	EN	Not specified	3.5	56.6	91.3*	74.0	
3514ES	Axis	EN	Revolve+	3.5	59.8	87.6*	73.7	
3418N	Viking|Blue River	CV	None	3.4	59.8	87.3*	73.6	
BH39A232	Benson Hill	CV	CruiserMaxx APX + Saltro	3.9	63.2*	83.6	73.4	
AG39XF3	Asgrow	XF	Acceleron	3.9	62.3*	84.2	73.3	71.8
BH37Q218	Benson Hill	CV	CruiserMaxx APX + Saltro	3.7	63.1*	83.3	73.2	
SC7385E™	Seed Consultants, Inc.	EN	LumiGen	3.8	63.8*	82.5	73.2	
HS 36F40	Growmark, Inc.	XF	Acceleron I+F with Saltro	3.6	60.9	85.2	73.1	
DM36E94	DONMARIO	EN	CruiserMaxx APX ILEVO	3.6	57.4	88.2*	72.8	
3624 EXP	Axis	EN	Revolve+	3.6	59.1	86.4	72.8	
E3580 E3	Ebberts Field Seeds	EN	EBBERTS Complete	3.5	63.4*	81.6	72.5	72.3
ET-3735E3	Seed Genetics Direct	EN	Fludioxonil + Metalaxyl + Vitavax-34 + N-Force	3.5	61.3	83.6	72.5	
ET-4739E3	Seed Genetics Direct	EN	Fludioxonil + Metalaxyl + Vitavax-34 + N-Force	3.9	61.8*	82.1	72.0	

NOTE: Central Region, Late Variety Trial Results are Continued on the Next Page.

TABLE 6: The 2024 Ohio Soybean Performance Trials, *Central Region - Late Varieties (RM 3.4-4.3)*
CONTINUED FROM PREVIOUS PAGE

Entry		Seed & Plant Characteristics			Central Region Yield (bu/ac)			
Variety	Brand	Type	Seed Treatment	RM	C1	C2	'24 Mean	'23-'24 Mean
XO 3855E	Xitavo	EN	Obvius Plus, Poncho Votivo, ILEVO, Relenya	3.8	65.2*	78.3	71.8	
42D40	Viking|Blue River	CV	None	4.2	57.8	85.2	71.5	
XO 3655E	Xitavo	EN	Obvius Plus, Poncho Votivo, ILEVO, Relenya	3.6	59.5	83.5	71.5	
E3880 E3	Ebberts Field Seeds	EN	EBBERTS Complete	3.8	61.5	80.2	70.9	67.6
XO 3795E	Xitavo	EN	Obvius Plus, Poncho Votivo, ILEVO, Relenya	3.7	63.3*	78.1	70.7	
NK34-Z8E3S	NK Seeds	EN	CruiserMaxx APX + Saltro	3.4	59.1	79.2	69.2	
CT-3485E3S	Shur Grow	EN	Not specified	3.4	62.0*	76.3	69.2	
BH37U205	Benson Hill	CV	CruiserMaxx APX + Saltro	3.8	58.4	79.8	69.1	
ET-3739E3S	Seed Genetics Direct	EN	Fludioxonil + Metalaxyl + Vitavax-34 + N-Force	3.9	66.9*	70.7	68.8	
BX37Q467	Benson Hill	CV	CruiserMaxx APX + Saltro	3.7	57.0	80.3	68.7	
AG43XF2	Asgrow	XF	Acceleron	4.3	55.3	81.7	68.5	
HS 36E40	Growmark, Inc.	EN	Acceleron I+F with Saltro	3.6	57.6	79.1	68.4	
BX36Q861	Benson Hill	CV	CruiserMaxx APX + Saltro	3.6	57.8	78.0	67.9	
3835E	Axis	EN	Revolve+	3.8	56.1	79.2	67.7	
BH35A233	Benson Hill	CV	CruiserMaxx APX + Saltro	3.5	60.9	74.2	67.6	
ET-4734E3S	Seed Genetics Direct	EN	Fludioxonil + Metalaxyl + Vitavax-34 + N-Force	3.4	59.3	75.4	67.4	
SG-3454E3S	Shur Grow	EN	Not specified	3.4	55.0	79.6	67.3	
HS 34F30	Growmark, Inc.	XF	Acceleron I+F with Saltro	3.4	62.0*	71.6	66.8	70.1
C38H052S	Benson Hill	CV	CruiserMaxx APX + Saltro	3.8	60.1	71.3	65.7	
			Min	3.4	55.0	70.7	65.7	
			Max	4.3	68.2	95.9	81.5	
			Mean	3.7	61.6	84.6	73.0	
			LSD (0.1)		6.4	8.6		
			CV		8.9	8.7		

**Highest yielding variety; *Varieties with yield not statistically different than the highest yielding variety. Please note: Minimum, maximum, and mean include data for experimental soybean varieties that are not published in this bulletin.

TABLE 7: The 2024 Ohio Soybean Performance Trials, *South Region - Early Varieties (RM 2.7-3.6)*

Entry		Seed & Plant Characteristics			South Region Yield (bu/ac)			
Variety	Brand	Type	Seed Treatment	RM	S1	S2	'24 Mean	'23-'24
ET-4736E3	Seed Genetics Direct	EN	Fludioxonil + Metalaxyl + Vitavax-34 + N-Force	3.6	78.2*	85.4*	81.8	
E3690 E3	Ebberts Field Seeds	EN	EBBERTS Complete	3.6	77.1*	86.5**	81.8	
XO 3555E	Xitavo	EN	Obvius Plus, Poncho Votivo, ILEVO, Relenya	3.5	80.3*	82.2*	81.3	
AG33XF3	Asgrow	XF	Acceleron	3.3	80.1*	80.7*	80.4	84.8
XO 3014E	Xitavo	EN	Obvius Plus, Poncho Votivo, ILEVO, Relenya	3.0	79.5*	81.3*	80.4	82.6
3314E	Axis	EN	Revolve+	3.3	75.9	83.6*	79.8	
S29ES45	Dyna-Gro Seed	EN	Equity VAYO + Saltro	2.9	79.3*	79.9	79.6	
SC7355E™	Seed Consultants, Inc.	EN	LumiGen	3.5	78.8*	78.9	78.9	
3624 EXP	Axis	EN	Revolve+	3.6	71.0	86.4*	78.7	
E3171 E3	Ebberts Field Seeds	EN	EBBERTS Complete	3.1	77.1*	80.3	78.7	
3324 EXP	Axis	XF	Revolve+	3.3	77.9*	78.5	78.2	
DM36E94	DONMARIO	EN	CruiserMaxx APX + ILEVO	3.6	72.9	83.5*	78.2	
AG30XF4	Asgrow	XF	Acceleron	3.0	76.6*	78.7	77.7	
E3580 E3	Ebberts Field Seeds	EN	EBBERTS Complete	3.5	77.5*	77.8	77.7	87.0
GH3355E3S	Golden Harvest	EN, STS	CrusierMaxx APX + Saltro	3.3	75.6	79.3	77.5	
AG27XF3	Asgrow	XF	Acceleron	2.7	76.0	77.9	77.0	85.7
3514ES*	Axis	EN	Revline Hopper Throttle with Ether + Revolve+	3.5	74.3	79.5	76.9	
XO 3224E	Xitavo	EN	Obvius Plus, Poncho Votivo, ILEVO, Relenya	3.2	76.2	77.5	76.9	85.6
AG36XF4	Asgrow	XF	Acceleron	3.6	78.3*	75.2	76.8	

NOTE: South Region, Early Variety Trial Results are Continued on the Next Page.

TABLE 7: The 2024 Ohio Soybean Performance Trials, *South Region - Early Varieties (RM 2.7-3.6)*
CONTINUED FROM PREVIOUS PAGE

Entry		Seed & Plant Characteristics			South Region Yield (bu/ac)			
Variety	Brand	Type	Seed Treatment	RM	S1	S2	'24 Mean	'23-'24 Mean
3605XF	Axis	XF	Revolve+	3.6	81.2**	72.3	76.8	
SC7364E™	Seed Consultants, Inc.	EN	LumiGen	3.6	77.2*	75.8	76.5	83.8
3525E	Axis	EN	Revolve+	3.5	72.1	80.7*	76.4	
E3380 E3	Ebberts Field Seeds	EN	EBBERTS Complete	3.3	72.3	79.7	76.0	83.7
S31EN14	Dyna-Gro Seed	EN	Equity VAYO + Saltro	3.1	75.8	75.4	75.6	
3514ES	Axis	EN	Revolve+	3.5	72.4	78.6	75.5	
ET-3733E3	Seed Genetics Direct	EN	Fludioxonil + Metalaxyl + Vitavax-34 + N-Force	3.3	76.1	74.7	75.4	
ET-4732E3	Seed Genetics Direct	EN	Fludioxonil + Metalaxyl + Vitavax-34 + N-Force	3.2	73.8	76.0	74.9	
3605XF	Axis	XF	Revline Hopper Throttle with Ether + Revolve+	3.6	76.3	73.4	74.9	
XO 3105E	Xitavo	EN	Obvius Plus, Poncho Votivo, ILEVO, Relenya	3.1	75.2	73.7	74.5	
XO 3655E	Xitavo	EN	Obvius Plus, Poncho Votivo, ILEVO, Relenya	3.6	71.4	77.2	74.3	
XO 3375E	Xitavo	EN	Obvius Plus, Poncho Votivo, ILEVO, Relenya	3.3	74.5	74.0	74.3	
BH35A231	Benson Hill	CV	CruiserMaxx APX + Saltro	3.5	71.1	77.0	74.1	
SC7332E™	Seed Consultants, Inc.	EN	LumiGen	3.3	71.6	74.4	73.0	79.7
BH35A233	Benson Hill	CV	CruiserMaxx APX + Saltro	3.5	72.1	73.8	73.0	
ET-3735E3	Seed Genetics Direct	EN	Fludioxonil + Metalaxyl + Vitavax-34 + N-Force	3.5	70.5	74.9	72.7	
ET-0733E3	Seed Genetics Direct	EN	Fludioxonil + Metalaxyl + Vitavax-34 + N-Force	3.3	71.3	74.1	72.7	
N35D950S	Benson Hill	CV	CruiserMaxx APX + Saltro	3.5	69.4	72.6	71.0	
ET-4734E3S	Seed Genetics Direct	EN	Fludioxonil + Metalaxyl + Vitavax-34 + N-Force	3.4	72.0	64.5	68.3	
NK36-Q6E3S	NK Seeds	EN	CruiserMaxx APX + Saltro	3.6	65.4	71.0	68.2	
BX36Q861	Benson Hill	CV	CruiserMaxx APX + Saltro	3.6	62.3	65.2	63.8	
			Min	2.7	62.3	64.5	63.8	
			Max	3.6	81.2	86.5	81.8	
			Mean	3.4	74.3	76.7	75.7	
			LSD (0.1)		4.7	6.0		
			CV		5.4	6.7		

**Highest yielding variety; *Varieties with yield not statistically different than the highest yielding variety. Please note: Minimum, maximum, and mean include data for experimental soybean varieties that are not published in this bulletin.

TABLE 8: The 2024 Ohio Soybean Performance Trials, *South Region - Late Varieties (RM 3.7-4.4)*

Entry		Seed & Plant Characteristics			South Region Yield (bu/ac)			
Variety	Brand	Type	Seed Treatment	RM	S1	S2	'24 Mean	'23-'24 Mean
ET-4738E3	Seed Genetics Direct	EN	Fludioxonil + Metalaxyl + Vitavax-34 + N-Force	3.8	87.3**	84.4*	85.9	
S38EN75	Dyna-Gro Seed	EN	Equity VAYO + Saltro	3.8	83.1*	86.0*	84.6	
E3760 E3	Ebberts Field Seeds	EN	EBBERTS Complete	3.7	82.0	84.9*	83.5	78.6
NK40-P5E3	NK Seeds	EN	CruiserMaxx APX + Saltro	4.0	77.4	86.5*	82.0	80.9
3835E	Axis	EN	Revolve+	3.8	78.4	85.1*	81.8	
AG39XF3	Asgrow	XF	Acceleron	3.9	81.9	80.7*	81.3	75.4
GH3774E3	Golden Harvest	EN	CruiserMaxx APX + Saltro	3.7	74.9	86.8*	80.9	77.1
SC7375E™	Seed Consultants, Inc.	EN	LumiGen	3.7	77.5	84.1*	80.8	
BH39A232	Benson Hill	CV	CruiserMaxx APX + Saltro	3.9	78.4	82.2*	80.3	
SC7385E™	Seed Consultants, Inc.	EN	LumiGen	3.8	72.9	87.5**	80.2	
BX37C755	Benson Hill	CV	CruiserMaxx APX + Saltro	3.7	77.5	81.7*	79.6	
GH3994E3	Golden Harvest	EN	CruiserMaxx APX + Saltro	3.9	72.8	85.5*	79.2	75.5
NK39-J2E3	NK Seeds	EN	CruiserMaxx APX + Saltro	3.9	72.8	85.3*	79.1	77.6
NK37-C1E3	NK Seeds	EN	CruiserMaxx APX + Saltro	3.7	78.3	79.5	78.9	76.1
ET-4739E3	Seed Genetics Direct	EN	Fludioxonil + Metalaxyl + Vitavax-34 + N-Force	3.9	73.2	78.7	76.0	
XO 3855E	Xitavo	EN	Obvius Plus, Poncho Votivo, ILEVO, Relenya	3.8	73.5	78.4	76.0	

NOTE: South Region, Late Variety Trial Results are Continued on the Next Page.

TABLE 8: The 2024 Ohio Soybean Performance Trials, *South Region - Late Varieties (RM 3.7-4.4)*
CONTINUED FROM PREVIOUS PAGE

Entry		Seed & Plant Characteristics			South Region Yield (bu/ac)			
Variety	Brand	Type	Seed Treatment	RM	S1	S2	'24 Mean	'23-'24 Mean
DM38E54	DONMARIO	EN	CruiserMaxx APX + ILEVO	3.8	75.2	75.4	75.3	
ET-3739E3S	Seed Genetics Direct	EN	Fludioxonil + Metalaxyl + Vitavax-34 + N-Force	3.9	74.0	76.6	75.3	
BX37Q467	Benson Hill	CV	CruiserMaxx APX + Saltro	3.7	73.7	76.5	75.1	
XO 3795E	Xitavo	EN	Obvius Plus, Poncho Votivo, ILEVO, Relenya	3.7	70.5	78.4	74.5	
AG43XF2	Asgrow	XF	Acceleron	4.3	71.6	75.7	73.7	74.4
ET-4743E3S	Seed Genetics Direct	EN	Fludioxonil + Metalaxyl + Vitavax-34 + N-Force	4.3	77.5	69.7	73.6	
S40EN54	Dyna-Gro Seed	EN	Equity VAYO + Saltro	4.0	70.8	75.3	73.1	73.0
BH37Q218	Benson Hill	CV	CruiserMaxx APX + Saltro	3.7	72.7	71.4	72.1	
BH37U205	Benson Hill	CV	CruiserMaxx APX + Saltro	3.8	68.5	69.6	69.1	
C38H052S	Benson Hill	CV	CruiserMaxx APX + Saltro	3.8	66.8	68.4	67.6	
XO 4255E	Xitavo	EN	Obvius Plus, Poncho Votivo, ILEVO, Relenya	4.2	59.3	71.7	65.5	
ET-4744E3S	Seed Genetics Direct	EN	Fludioxonil + Metalaxyl + Vitavax-34 + N-Force	4.4	62.7	67.5	65.1	
			Min	3.7	59.3	67.5	65.1	
			Max	4.4	87.3	87.5	85.9	
			Mean	3.9	74.7	78.9	76.8	
			LSD (0.1)		4.4	7.7		
			CV		5.0	8.2		

**Highest yielding variety; *Varieties with yield not statistically different than the highest yielding variety. Please note: Minimum, maximum, and mean include data for experimental soybean varieties that are not published in this bulletin.

TABLE 9: Seed characteristics (seeds/lb, % protein, and % oil) from seed collected at the Licking County location, 2024.

Entry			Seed Quality			Entry			Seed Quality		
Variety	RM	Type	Seeds/lb	% Protein	% Oil	Variety	RM	Type	Seeds/lb	% Protein	% Oil
Albert Lea Seed House						**Benson Hill**					
27B4	2.7	CV	3071	34.5	19.4	BH23Q217	2.3	CV	2877	39.9	18.9
30B4	3.0	CV	2470	33.3	19.0	BH23H228	2.3	CV	2674	37.3	19.5
3418N	3.4	CV	2914	33.1	19.9	BH25C137	2.5	CV	2914	39.0	19.3
39R4	3.9	CV	2841	34.0	19.2	E31Y806	3.1	CV	3157	36.4	19.3
42D40	4.2	CV	3551	33.4	19.9	BH31Q146	3.1	CV	3030	40.0	17.8
Axis						N35D950S	3.5	CV	3726	38.2	17.1
2315E	2.3	EN	3551	33.6	20.6	BH35A231	3.5	CV	3294	34.4	19.4
2635ES	2.6	EN	3551	33.5	19.7	BH35A233	3.5	CV	3294	34.4	19.5
2924ES	2.9	EN	2990	32.3	19.7	BX36Q861	3.6	CV	3030	43.0	16.3
3104ES	3.1	EN	3294	33.6	19.7	BX37C755	3.7	CV	3392	34.2	19.7
3324 EXP	3.3	XF	3551	33.1	19.9	BH37Q218	3.7	CV	2877	37.7	17.6
3314E	3.3	EN	3294	32.3	20.1	BX37Q467	3.7	CV	3157	39.2	17.6
3514ES	3.5	EN	3294	31.6	20.4	BH37U205	3.8	CV	3497	40.8	16.5
3514ES*	3.5	EN	3113	32.3	19.9	C38H052S	3.8	CV	3392	39.0	19.7
3525E	3.5	EN	3551	35.6	19.3	BH39A232	3.9	CV	3071	34.2	19.0
3605XF	3.6	XF	2990	33.1	19.7	**DONMARIO**					
3605XF*	3.6	XF	2990	33.3	19.6	DM22E64	2.2	EN	3551	33.3	21.1
3624 EXP	3.6	EN	3294	32.7	20.2	DM24E84	2.4	EN	3342	34.8	19.7
3835E	3.8	EN	3726	32.8	19.8	DM36E94	3.6	EN	3444	34.1	20.2
Bayer Crop Science						DM38E54	3.8	EN	3918	34.0	19.3
AG24XF4	2.4	XF	3247	33.8	19.9	**Ebberts Field Seeds Inc.**					
AG26XF4	2.6	XF	3201	34.2	20.3	E2390 E3	2.3	EN	3294	34.6	19.5
AG27XF3	2.7	XF	3247	31.6	20.6	E2570 E3	2.5	EN	3113	33.6	20.2
AG30XF4	3.0	XF	2914	33.7	19.7	E2790 E3	2.7	EN	3071	34.3	20.0
AG33XF3	3.3	XF	3392	33.5	20.1	E2980 E3	2.9	EN	2952	33.7	19.2
AG36XF4	3.6	XF	2841	33.7	19.0	E3171 E3	3.1	EN	3551	34.3	19.2
AG39XF3	3.9	XF	3247	33.4	19.0	E3380 E3	3.3	EN	3030	32.7	19.8
AG43XF2	4.3	XF	3551	33.2	20.4	E3580 E3	3.5	EN	3030	32.1	20.2
						E3690 E3	3.6	EN	3201	32.6	19.8
						E3760 E3	3.7	EN	2990	33.0	20.3
						E3880 E3	3.8	EN	3392	32.4	20.4

*Variety was tested with Revline Hopper Throttle with Ether + Revolve+ seed treatment.

TABLE 9: Seed characteristics (seeds/lb, % protein, and % oil) from seed collected at the Licking County location, 2024.

CONTINUED FROM PREVIOUS PAGE

Entry			Seed Quality		
Variety	RM	Type	Seeds/lb	% Protein	% Oil
FS HiSOY					
HS 23E40	2.3	EN	3201	33.5	20.2
HS 24F40	2.4	XF	2643	34.2	20.0
HS 25E30	2.5	EN	3392	33.0	20.9
HS 26E20	2.6	EN	3444	34.3	20.1
HS 28E10	2.8	EN	3071	33.8	19.9
HS 28F30	2.8	XF	3157	35.0	19.6
HS 29E40	2.9	EN	3726	32.2	19.6
HS 30F40	3.0	XF	3113	33.0	19.4
HS 30E40	3.0	EN	3342	32.7	20.6
HS 31E20	3.1	EN	3247	33.0	19.9
HS 33E20	3.3	EN	3157	34.0	19.8
HS 34E40	3.4	EN	3666	34.1	19.8
HS 34F30	3.4	XF	2674	34.4	19.8
HS 36F40	3.6	XF	2990	34.1	18.9
HS 36E40	3.6	EN	3201	32.8	19.8
HS 37E40	3.7	EN	3071	34.0	19.2
Golden Harvest					
GH2775E3	2.7	EN	3157	34.2	19.3
GH2814E3S	2.8	EN, STS	2806	33.8	19.6
GH3035E3	3.0	EN	2877	33.9	19.9
GH3355E3S	3.3	EN, STS	3342	33.4	20.4
GH3774E3	3.7	EN	3444	32.9	19.8
GH3994E3	3.9	EN	3608	34.8	19.4
NK Seeds					
NK26-M6E3	2.6	EN	4058	34.0	20.0
NK30-A9E3	3.0	EN	3342	34.4	19.4
NK33-Y7E3S	3.3	EN	3551	34.0	19.9
NK34-Z8E3S	3.4	EN	3201	33.8	19.8
NK36-Q6E3S	3.6	EN	3666	34.6	19.0
NK37-C1E3	3.7	EN	3157	33.7	19.2
NK39-J2E3	3.9	EN	2990	33.2	19.7
NK40-P5E3	4.0	EN	3444	34.7	19.3
Nutrien Ag Solutions					
S25EN74	2.5	EN	3497	32.8	20.8
S29ES45	2.9	EN	3247	34.2	18.8
S31EN14	3.1	EN	3030	32.4	19.7
S38EN75	3.8	EN	3666	34.1	19.6
S40EN54	4.0	EN	3392	35.2	18.5
Seed Consultants, Inc.					
SC7315E™	3.1	EN	3071	33.7	20.6
SC7332E™	3.3	EN	3726	33.4	19.9
SC7355E™	3.5	EN	3497	33.1	19.6
SC7364E™	3.6	EN	2841	35.3	19.7
SC7375E™	3.7	EN	3294	33.8	20.3
SC7385E™	3.8	EN	2990	33.5	19.9
Seed Genetics Direct					
ET-1724E3S	2.4	EN	3666	33.4	21.2
ET-4725E3	2.5	EN	3788	33.9	19.5
ET-3728E3	2.8	EN	3551	34.3	19.6
ET-3729E3S	2.9	EN	3444	33.5	18.8
ET-3731E3S	3.1	EN	3444	34.6	19.2
ET-4732E3	3.2	EN	3157	32.3	20.1
ET-0733E3	3.3	EN	3392	34.2	19.3
ET-3733E3	3.3	EN	3342	32.3	20.0
ET-4734E3S	3.4	EN	3392	32.2	20.3
ET-3735E3	3.5	EN	2952	32.3	19.7
ET-4736E3	3.6	EN	3666	33.6	19.8
ET-4738E3	3.8	EN	2952	33.3	19.9
ET-4739E3	3.9	EN	3444	33.6	19.9
ET-3739E3S	3.9	EN	3247	32.4	19.8
ET-4743E3S	4.3	EN	3157	33.0	19.5
ET-4744E3S	4.4	EN	4371	36.2	17.1
Seedway					
SG 2923E3	2.9	EN	3726	32.7	19.0
SX 3194XTF	3.1	XF	2738	33.5	19.8
SG 3323E3	3.3	EN	3444	32.1	19.9
SX 3514E3	3.5	EN	3157	32.9	20.2
Shur Grow					
SG-2554E3	2.5	EN	2990	35.2	19.8
SG-EXP25A	2.5	EN	3918	33.6	20.9
CT-2625E3	2.6	EN	3551	32.7	20.2
SG-2954E3S	2.9	EN	3918	32.9	19.0
CT-3055E3S	3.0	EN	3444	—*	—
SG-3053E3S	3.0	EN	3113	33.5	19.9
SG-3254E3	3.2	EN	3157	32.1	20.4
CT-3385E3S	3.3	EN	3666	32.1	19.9
CT-3485E3S	3.4	EN	2914	32.4	20.4
SG-3454E3S	3.4	EN	3157	31.6	20.2
SG-EXP35A	3.5	EN	2914	35.8	19.8
SG-EXP36A	3.6	EN	3497	33.7	19.6
SG-3784E3	3.7	EN	2990	34.1	19.3
Xitavo					
XO 2305E	2.3	EN	3157	35.4	19.8
XO 2444E	2.4	EN	2990	33.3	20.1
XO 2625E	2.6	EN	3342	34.6	20.4
XO 2865E	2.8	EN	3294	34.6	18.9
XO 2985E	2.9	EN	3666	30.9	20.4
XO 3014E	3.0	EN	3444	33.1	19.0
XO 3105E	3.1	EN	3157	32.7	20.2
XO 3224E	3.2	EN	2990	31.6	20.4
XO 3375E	3.3	EN	3157	32.1	20.1
XO 3555E	3.5	EN	3157	33.4	19.3
XO 3655E	3.6	EN	3551	35.2	19.0
XO 3795E	3.7	EN	3788	34.0	19.5
XO 3855E	3.8	EN	3551	34.8	19.0
XO 4255E	4.2	EN	3666	35.4	18.6

*Sample size was too small for protein and oil analysis due to human error.