



**THE OHIO STATE
UNIVERSITY**

COLLEGE OF FOOD, AGRICULTURAL,
AND ENVIRONMENTAL SCIENCES

The 2023 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 C2 where the previous crop was soybean. All locations were no-till except the N2 and S2 locations, which were 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.

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 2023 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.

2023 Tables by Region and Maturity Grouping

North	Early (1.9-3.1)	Table 3
	Late (3.2-3.9)	Table 4
Central	Early (2.4-3.3)	Table 5
	Late (3.4-4.2)	Table 6
South	Early (2.5-3.6)	Table 7
	Late (3.7-4.3)	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 2023.

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.

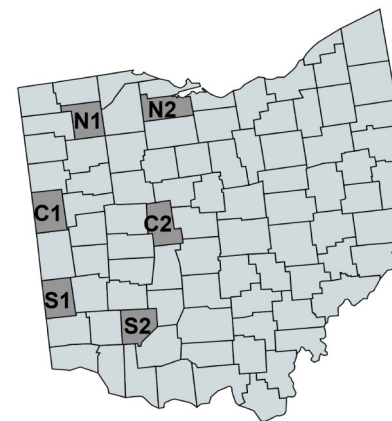


Table 1: The 2023 Ohio Soybean Performance Trials, Site Descriptions

	N1	N2	C1	C2	S1	S2
	Henry Co.	Sandusky Co.	Mercer Co.	Union Co.	Preble Co.	Clinton Co.
Soil texture	Clay	Clay loam	Clay loam	Clay loam	Clay loam	Silty clay loam
Organic matter (%)	3.5	2.4	2.5	2.8	3.1	3.3
Soil pH	6.4	6.1	7.1	6.9	6.7	6.4
Soil Test P-Mehlich (ppm)	33	21	60	24	55	64
Soil Test K (ppm)	180	105	132	94	153	169
Plant date	5-15-2023	5-10-2023	5-17-2023	5-23-2023	5-11-2023	5-18-2023
Harvest date	10-18-2023	10-11-2023	10-24-2023	10-19-2023 (early) 10-26-2023 (late)	10-25-2023	10-13-2023

Table 2. Directory by Company Listed by Variety/Brand, 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 #	Variety	RM	Type	Table #	Variety	RM	Type	Table #
Advanced Genetics, Inc.				Dyna-Gro Seed				Golden Harvest			
11491 Foundation Rd.			740-893-2501	717 Robinson Rd SE			740-207-0182	2001 Butterfield Rd, STE 1600			800-652-7333
Croton, OH 43013			advancedgeneticsinc.com	Washington CH, OH 43160			dynagroseed.com	Downer's Grove, IL 60515			goldenharvestseeds.com
AGI 3725AE	2.5	EN	3	S25EN74	2.5	EN	3	GH2814E3S	2.8	EN	3, 5
AGI 3727AE	2.7	EN	3	S26EN53	2.6	EN	3	GH2922E3	2.9	EN	3, 5
AGI 3728AE	2.8	EN	3	S29EN62	2.9	EN	3, 5	GH3043E3S	3.0	EN	5
AGI 3729AE	2.9	EN	3, 5	S31EN14	3.1	EN	3, 5	GH3373E3S	3.3	EN	4, 5, 7
AGI 3730AE	3.0	EN	3, 5	S31EN91	3.1	EN	3, 5	GH3693E3S	3.6	EN	6, 7
AGI 3731AE	3.1	EN	3, 5	S33EN42	3.3	EN	4, 5, 7	GH3774E3	3.7	EN	8
AGI 3733AE	3.3	EN	4, 5, 7	S35ES82	3.5	EN	6, 7	GH3994E3	3.9	EN	8
AGI 3734AE	3.4	EN	4, 6, 7	S37ES52	3.7	EN	4, 6, 8	Growmark, Inc./FS HISOY			
AGI 3735AE	3.5	EN	4, 6, 7	S40EN54	4.0	EN	8	1701 Towanda Ave.			309-557-6399
AGI 3737AE	3.7	EN	4, 6, 8	Ebberts Field Seeds Inc.				Bloomington, IL 61701			growmark.com
AGI 3738AE	3.8	EN	4, 6, 8	6840 N State Route 48			937-473-2521	HS 23E10	2.3	EN	3
AGI 3738BE	3.8	EN	6, 8	Covington, OH 45318			ebbertsseeds.com	HS 26E20	2.6	EN	3, 5
AGI 3739AE	3.9	EN	6, 8	E2170 E3	2.1	EN	3	HS 28E10	2.8	EN	3, 5
AGI 3740AE	4.0	EN	6, 8	E2570 E3	2.5	EN	3	HS 28F30	2.8	XF	3, 5
AGI 3743AE	4.3	EN	8	E2980 E3	2.9	EN	3, 5	HS 29F10	2.9	XF	3, 5
Bayer Crop Science				303XF	3.0	XF	3, 5	HS 31E20	3.1	EN	3, 5
800 North Lindbergh Blvd			800-768-6387	E3171 E3	3.1	EN	3, 5	HS 34F30	3.4	XF	4, 6
St. Louis, MO 63167			dekalbasgrowdeltapine.com	E3380 E3	3.3	EN	4, 5, 7	HS 35E10	3.5	EN	4, 6
AG24XF3	2.4	XF	3, 5	E3370 E3	3.3	EN	4, 5, 7	HS 37E10	3.7	EN	4, 6
AG26XF3	2.6	XF	3, 5	333XF	3.3	XF	4, 5, 7	HS 38E20	3.8	EN	4, 6
AG27XF3	2.7	XF	3, 5, 7	G3480E	3.4	EN	4, 6	Luckey Farmers, LLC			
AG28XF3	2.8	XF	3, 5, 7	E3580 E3	3.5	EN	4, 6, 7	1200 W. Main St, PO Box 217			419-287-3275
AG30XF2	3.0	XF	3, 5, 7	E3760 E3	3.7	EN	4, 6, 8	Woodville, OH 43469			luckeyfarmers.com
AG32XF2	3.2	XF	4, 5, 7	E3880 E3	3.8	EN	4, 6, 8	Gro-Mor EXP622E52	2.5	EN	3
AG33XF3	3.3	XF	4, 6, 7	384XF	3.8	XF	4, 6, 8	Gro-Mor EXP21E13	3.1	EN	3
AG35XF1	3.5	XF	4, 6, 7	GDM Seeds				Gro-Mor EXP03E43	3.4	EN	4
AG38XF1	3.8	XF	4, 6, 8	3414 Big Pine Trail			217-560-6374	NK Seeds			
AG39XF3	3.9	XF	4, 6, 8	Champaign, IL 61822			gdmseeds.com	2001 Butterfield Rd STE 1600			260-433-4135
AG43XF2	4.3	XF	8	EXPERIMENTAL 6	2.2	EN	3	Downer's Grove, IL 60515			syngenta-us.com/seeds/nk
Blue River/Albert Lea Seed House				EXPERIMENTAL 1	2.7	EN	3	NK28-B9D3S	2.8	EN	5
1414 W. Main St, PO Box 1327			800-352-5247	EXPERIMENTAL 2	2.9	EN	3, 5	NK30-B2E3	3.0	EN	5
Albert Lea, MN 46007			alseed.com	EXPERIMENTAL 3	3.2	EN	4, 5, 7	NK36-H9E3S	3.6	EN	6, 7
BR 2702	2.7	CV	3	EXPERIMENTAL 4	3.4	EN	6, 7	NK37-C1E3	3.7	EN	8
BR 29DC5	2.9	CV	3	EXPERIMENTAL 5	4.0	EN	8	NK39-J2E3	3.9	EN	8
BR 30B4	3.0	CV	3, 5	Seed Consultants, Inc.				648 Miami Trace Rd.			800-708-2676
BR 3418N	3.4	CV	4, 6	Washington CH, OH 43160			seedconsultants.com	SC7293E™	2.9	EN	3, 5
BR 3923	3.9	CV	6	3414 Big Pine Trail			217-560-6374	SC7311E™	3.1	EN	3, 5
BR 42D40	4.2	CV	6	Champaign, IL 61822			donmarioseeds.com	SC7332E™	3.3	EN	4, 5, 7
DONMARIO Seeds				DM39E03	3.9	EN	4, 6, 8	SC7341E™	3.4	EN	4, 6, 7
3414 Big Pine Trail			217-560-6374	SC7364E™							
Champaign, IL 61822			donmarioseeds.com								

Table 2. Directory by Company Listed by Variety/Brand, Maturity Rating, and Type, CONTINUED

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 #	Variety	RM	Type	Table #	Variety	RM	Type	Table #
Seedway 1734 Railroad Place Hall, NY 14463 800-836-3710 seedway.com				The Ohio State University 2021 Coffey Rd. Columbus, OH 43210 Columbus, OH 43210				Williamsfield Seed Company 1122 Knox Hwy 18 Williamsfield, IL 61489 bairdseedcompany.com 309-569-0008			
SG 2923E3	2.9	EN	3	HM14-3614-4	3.6	CV	6	WSC 8300NY	2.6	CV	3, 5
SG 3323E3	3.3	EN	4	HM18-19023	3.8	CV	6	WSC 2967NY	3.2	CV	5
SG 3327XTF	3.3	XF	4	HM18-18047	3.9	CV	6	WSC 1217N	3.3	CV	5
SG 3522E3	3.5	EN	4	HM18-21128	4.0	CV	6	WSC 3496NY	3.4	CV	6
Shur Grow 6239 St Rt 187 Mechanicsburg, OH 43044 heritagecooperative.com 800-231-7333				The Scoular Company 5750 Greenville Falls-Clayton Rd Covington, OH 45318 937-473-2025 scoular.com				Xitavo Soybean Seed 103 Avenue D West Point, IA 52656 xitavosoybeanseed.com 419-561-7008			
SG2554E	2.5	EN	3, 5, 7	SCI29776	2.9	CV	3, 5, 7	XO 2323E	2.3	EN	3
SG2753E	2.7	EN	3, 5, 7	SCI30061	3.0	CV	3, 5, 7	XO 2444E	2.4	EN	3
SG3053E	3.0	EN	3, 5, 7	SCI33225	3.3	CV	4, 5, 7	XO 2613E	2.6	EN	3, 5
SD3284E	3.2	EN	4, 5, 7	SCM34311	3.5	CV	4, 6, 7	XO 2832E	2.8	EN	3, 5
SG3254E	3.2	EN	4, 5, 7	Virtue Seeds 3414 Big Pine Trail Champaign, IL 61822 217-560-6374 virtueseeds.com			XO 2963E	2.9	EN	3, 5	
SG33EXP	3.3	EN	4, 5, 7	V2922	2.9	CV	3, 5, 7	XO 3014E	3.0	EN	3, 5, 7
SG3454E	3.4	EN	4, 6, 7	V3623	3.6	CV	4, 6, 7	XO 3131E	3.1	EN	3, 5, 7
SG3652E	3.6	EN	4, 6, 7	Wellman Seeds, Inc. 23778 Jennings Delphos Rd Delphos, OH 45833 800-717-7333 wellmanseeds.com			XO 3224E	3.2	EN	4, 5, 7	
SG3784E	3.7	EN	4, 6, 8	W 6319E	1.9	EN	3	XO 3483E	3.4	EN	4, 6, 7
SG3853E	3.8	EN	4, 6, 8	W 6125E	2.5	EN	3	XO 3651E	3.6	EN	4, 6, 7
Stewart Seeds 306 N Main St Monticello, IN 47960 800-365-7333 stewartseeds.com				W 6330E	3.0	EN	3, 5	XO 3752E	3.7	EN	4, 6, 8
2964XF	2.9	XF	3	W 6133E	3.3	EN	4, 5	XO 3803E	3.8	EN	4, 6, 8
3144XF	3.1	XF	3	W 6335E	3.5	EN	4, 6	XO 3992E	3.9	EN	6, 8
3843XF	3.8	XF	4, 6, 8	W 6339E	3.9	EN	8	XO 4084E	4.0	EN	8
4053XF	4.0	XF	6, 8								

TABLE 3: The 2023 Ohio Soybean Performance Trials, North Region - Early Varieties (RM 1.9-3.1)

Entry		Seed & Plant Characteristics				North Region Yield (bu/ac)			
Variety	Brand/Company Name	Type	Seed Treatment	RM	N1	N2	'23 Mean	'22-'23 Mean	
AG27XF3	Asgrow	XF	Acceleron	2.7	84.9*	92.1*	88.5		
SC7311E™	Seed Consultants, Inc.	EN	LumiGen, ILeVO	3.1	87.1*	89.1*	88.1	90.2	
GH2814E3S	Golden Harvest	EN	CruiserMaxx, Saltro	2.8	83.0	93.0**	88.0		
SG2554E	Shur Grow	EN	Warden CX II	2.5	85.4*	88.4*	86.9		
SG 2923E3	Seedway	EN	Obtayn	2.9	89.0*	80.0	84.5		
HS 28E10	Growmark, Inc.	EN	Acceleron I+F, Saltro	2.8	82.6	86.3	84.5	87.1	
E3171 E3	Ebberts Field Seeds	EN	Ebberts Complete	3.1	82.7	85.7	84.2		
S25EN74	Dyna-Gro Seed	EN	Equity VIP, Saltro, Vayantis	2.5	79.6	88.3*	84.0		
303XF	Ebberts Field Seeds	XF	Ebberts Complete	3.0	85.0*	82.8	83.9	88.9	
XO 3131E	Xitavo Soybean Seed	EN	Obvius Plus, Poncho/Votivo, ILeVO, Relenya	3.1	83.5*	84.3	83.9	90.2	
SG3284E	Shur Grow	EN	Warden CX II	3.2	84.3*	82.8	83.6		
S31EN91	Dyna-Gro Seed	EN	Equity VIP, Saltro, Vayantis	3.1	75.8	91.1*	83.5	87.7	

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

TABLE 3: The 2023 Ohio Soybean Performance Trials, North Region - Early Varieties (RM 1.9-3.1)
CONTINUED FROM PREVIOUS PAGE

Entry		Seed & Plant Characteristics			North Region Yield (bu/ac)			
Variety	Brand/Company Name	Type	Seed Treatment	RM	N1	N2	'23 Mean	'22-'23 Mean
BR 30B4	Blue River	CV	None	3.0	91.1**	75.6	83.4	
AG30XF2	Asgrow	XF	Acceleron	3.0	82.6	82.8	82.7	83.9
AG28XF3	Asgrow	XF	Acceleron	2.8	82.0	82.7	82.4	
E2980 E3	Ebberts Field Seeds	EN	Ebberts Complete	2.9	79.7	85.0	82.4	
SC7293E™	Seed Consultants, Inc.	EN	LumiGen, ILeVO	2.9	80.0	84.3	82.2	
E2570 E3	Ebberts Field Seeds	EN	Ebberts Complete	2.5	80.2	83.8	82.0	
HS 28F30	Growmark, Inc.	XF	Acceleron I+F, Saltro	2.8	75.8	85.7	80.8	
HS 29F10	Growmark, Inc.	XF	Acceleron I+F, Saltro	2.9	82.3	78.9	80.6	82.5
W 6125E	Wellman Seeds, Inc.	EN	Encase	2.5	75.1	85.8	80.5	80.8
HS 31E20	Growmark, Inc.	EN	Acceleron I+F, Saltro	3.1	77.1	83.0	80.1	84.6
BR 29DC5	Blue River	CV	None	2.9	76.7	82.9	79.8	
XO 2832E	Xitavo Soybean Seed	EN	Obvius Plus, Poncho/Votivo, ILeVO, Relenya	2.8	75.1	84.4	79.8	85.9
Gro-Mor EXP622E52	Luckey Farmers, LLC	EN	None	2.5	78.5	82.9	79.4	
AG24XF3	Asgrow	XF	Acceleron	2.4	81.5	77.0	79.3	
S29EN62	Dyna-Gro Seed	EN	Equity VIP, Saltro, Vayantis	2.9	80.3	78.0	79.2	84.4
AGI 3731AE	Advanced Genetics, Inc.	EN	Cruiser Maxx APX	3.1	82.4	75.7	79.1	
EXPERIMENTAL 2	GDM Seeds	EN	CruiserMaxx APX	2.9	77.3	80.8	79.1	
EXPERIMENTAL 1	GDM Seeds	EN	CruiserMaxx APX	2.7	75.0	82.6	78.8	
XO 3014E	Xitavo Soybean Seed	EN	Obvius Plus, Poncho/Votivo, ILeVO, Relenya	3.0	76.5	80.4	78.5	
XO 2444E	Xitavo Soybean Seed	EN	Obvius Plus, Poncho/Votivo, ILeVO, Relenya	2.4	79.1	77.5	78.3	
3144XF	Stewart Seeds	XF	Acceleron	3.1	78.6	77.5	78.1	
W 6330E	Wellman Seeds, Inc.	EN	Encase	3.0	81.8	74.1	78.0	84.0
HS 26E20	Growmark, Inc.	EN	Acceleron I+F, Saltro	2.6	78.2	77.4	77.8	83.1
AGI 3730AE	Advanced Genetics, Inc.	EN	CruiserMaxx APX	3.0	80.4	75.1	77.8	
AGI 3725AE	Advanced Genetics, Inc.	EN	CruiserMaxx APX	2.5	74.4	81.0	77.7	
SG3053E	Shur Grow	EN	Warden CX II	3.0	81.9	73.5	77.7	83.8
AGI 3729AE	Advanced Genetics, Inc.	EN	CruiserMaxx APX	2.9	78.1	77.1	77.6	
HS 23E10	Growmark, Inc.	EN	Acceleron I+F, Saltro	2.3	82.7	71.6	77.2	
Gro-Mor EXP21E13	Luckey Farmers, LLC	EN	None	3.1	76.0	78.3	77.2	
V2922	Virtue Seeds	CV	CruiserMaxx APX	2.9	73.8	80.3	77.1	82.7
AGI 3727AE	Advanced Genetics, Inc.	EN	CruiserMaxx APX	2.7	70.2	83.8	77.0	
XO 2613E	Xitavo Soybean Seed	EN	Obvius Plus, Poncho/Votivo, ILeVO, Relenya	2.6	76.7	77.2	77.0	80.1
EXPERIMENTAL 6	GDM Seeds	EN	CruiserMaxx APX	2.2	74.2	79.6	76.9	
AG26XF3	Asgrow	XF	Acceleron	2.6	76.0	77.6	76.8	
Gro-Mor EXP03E43	Luckey Farmers, LLC	EN	None	3.4	75.8	77.8	76.8	
GH2922E3	Golden Harvest	EN	CruiserMaxx, Saltro	2.9	76.3	77.1	76.7	79.4
WSC 8300NY	Williamsfield Seed Company	CV	Eclipse US Trio	2.6	74.5	78.0	76.3	
BR 2702	Blue River	CV	None	2.7	76.3	75.1	75.7	
2964XF	Stewart Seeds	XF	Acceleron	2.9	76.8	74.0	75.4	
XO 2323E	Xitavo Soybean Seed	EN	Obvius Plus, Poncho/Votivo, ILeVO, Relenya	2.3	71.1	79.6	75.4	
E2170 E3	Ebberts Field Seeds	EN	Ebberts Complete	2.1	69.7	80.4	75.1	
SCI30061	The Scoular Company	CV	None	3.0	75.7	72.0	73.9	
XO 2963E	Xitavo Soybean Seed	EN	Obvius Plus, Poncho/Votivo, ILeVO, Relenya	2.9	74.8	72.8	73.8	80.5
S26EN53	Dyna-Gro Seed	EN	Equity VIP, Saltro, Vayantis	2.6	67.3	79.5	73.4	79.5
SG2753E	Shur Grow	EN	Warden CX II	2.7	69.3	77.2	73.3	76.1
S31EN14	Dyna-Gro Seed	EN	Equity VIP, Saltro, Vayantis	3.1	63.0	83.3	73.2	
SCI29776	The Scoular Company	CV	None	2.9	70.7	74.5	72.6	
W 6319E	Wellman Seeds, Inc.	EN	Encase	1.9	73.2	71.9	72.6	75.9
AGI 3728AE	Advanced Genetics, Inc.	EN	ProTec S4	2.8	61.2	73.2	67.2	
				Min	1.9	61.2	71.6	67.2
				Max	3.1	91.1	93.0	88.5
				Mean	2.8	77.8	80.4	79.1
				LSD (0.1)		7.6	6.2	
				CV		8.3	6.6	

**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 2023 Ohio Soybean Performance Trials, North Region - Late Varieties (RM 3.2-3.9)

Entry		Seed & Plant Characteristics			North Region Yield (bu/ac)			
Variety	Brand/Company Name	Type	Seed Treatment	RM	N1	N2	'23 Mean	'22-'23 Mean
E3760 E3	Ebberts Field Seeds	EN	Ebberts Complete	3.7	95.5**	83.4*	89.5	93.3
HS 37E10	Growmark, Inc.	EN	Acceleron I+F, Saltro	3.7	89.9	87.7**	88.8	90.4
XO 3483E	Xitavo Soybean Seed	EN	Obvius Plus, Poncho/Votivo, ILeVO, Relenya	3.4	88.9	87.6*	88.3	89.0
SG3652E	Shur Grow	EN	Warden CX II	3.6	89.6	86.6*	88.1	
AG35XF1	Asgrow	XF	Acceleron	3.5	91.0*	84.6*	87.8	87.1
XO 3752E	Xitavo Soybean Seed	EN	Obvius Plus, Poncho/Votivo, ILeVO, Relenya	3.7	90.5*	84.1*	87.3	89.3
384XF	Ebberts Field Seeds	XF	Ebberts Complete	3.8	85.9	87.2*	86.6	
S37ES52	Dyna-Gro Seed	EN	Equity VIP, Saltro, Vayantis	3.7	89.3	82.0	85.7	89.3
SC7364E™	Seed Consultants, Inc.	EN	LumiGen, ILeVO	3.6	86.3	84.1*	85.2	
XO 3224E	Xitavo Soybean Seed	EN	Obvius Plus, Poncho/Votivo, ILeVO, Relenya	3.2	83.1	87.0*	85.1	
AG33XF3	Asgrow	XF	Acceleron	3.3	86.8	83.1*	85.0	
E3880 E3	Ebberts Field Seeds	EN	Ebberts Complete	3.8	88.2	79.5	83.9	
E3580 E3	Ebberts Field Seeds	EN	Ebberts Complete	3.5	85.8	81.8	83.8	
SG 3327XTF	Seedway	XF	Obtavn	3.3	86.7	80.5	83.6	
E3380 E3	Ebberts Field Seeds	EN	Ebberts Complete	3.3	81.3	85.6*	83.5	
E3370 E3	Ebberts Field Seeds	EN	Ebberts Complete	3.3	85.6	81.0	83.3	86.7
SG3454E	Shur Grow	EN	Warden CX II	3.4	82.2	84.1*	83.2	
S33EN42	Dyna-Gro Seed	EN	Equity VIP, Saltro, Vayantis	3.3	84.5	81.7	83.1	86.6
HS 35E10	Growmark, Inc.	EN	Acceleron I+F, Saltro	3.5	84.2	82.0	83.1	87.0
333XF	Ebberts Field Seeds	XF	Ebberts Complete	3.3	82.8	83.3*	83.1	83.5
SG3254E	Shur Grow	EN	Warden CX II	3.2	81.4	84.5*	83.0	
HS 34F30	Growmark, Inc.	XF	Acceleron I+F, Saltro	3.4	80.5	85.3*	82.9	
EXPERIMENTAL 3	GDM Seeds	EN	CruiserMaxx APX	3.2	82.2	83.2*	82.7	
SG3853E	Shur Grow	EN	Warden CX II	3.8	87.9	77.2	82.6	
3843XF	Stewart Seeds	XF	Acceleron	3.8	82.1	82.8*	82.5	85.9
SG 3323E3	Seedway	EN	Obtavn	3.3	82.7	81.9	82.3	
AGI 3734AE	Advanced Genetics, Inc.	EN	CruiserMaxx APX	3.4	83.4	80.9	82.2	
SG33EXP	Shur Grow	EN	Warden CX II	3.3	86.2	78.1	82.2	
AGI 3733AE	Advanced Genetics, Inc.	EN	ProTec S4	3.3	84.2	80.0	82.1	
AG39XF3	Asgrow	XF	Acceleron	3.9	80.0	84.2*	82.1	
SC7332E™	Seed Consultants, Inc.	EN	LumiGen, ILeVO	3.3	81.6	82.5	82.1	84.6
SC7341E™	Seed Consultants, Inc.	EN	LumiGen, ILeVO	3.4	87.4	76.5	82.0	84.9
AG32XF2	Asgrow	XF	Acceleron	3.2	83.1	80.5	81.8	81.5
GH3373E3S	Golden Harvest	EN	CruiserMaxx APX, Saltro	3.3	84.3	79.2	81.8	83.5
XO 3803E	Xitavo Soybean Seed	EN	Obvius Plus, Poncho/Votivo, ILeVO, Relenya	3.8	83.2	80.3	81.8	
SG3784E	Shur Grow	EN	Warden CX II	3.7	87.7	74.1	80.9	
AG38XF1	Asgrow	XF	Acceleron	3.8	83.7	77.4	80.6	82.2
HS 38E20	Growmark, Inc.	EN	Acceleron I+F, Saltro	3.8	83.6	77.4	80.5	85.0
AGI 3735AE	Advanced Genetics, Inc.	EN	CrusierMaxx APX	3.5	79.7	79.5	79.6	
BR 3418N	Blue River	CV	None	3.4	84.2	74.4	79.3	
SG 3522E3	Seedway	EN	Obtavn	3.5	79.5	76.9	78.2	84.4
DM39E03	DONMARIO Seeds	EN	CrusierMaxx APX	3.9	82.0	72.9	77.5	
V3623	Virtue Seeds	CV	CruiserMaxx APX	3.6	80.0	73.9	77.0	
G3480E	Ebberts Field Seeds	EN	Ebberts Complete	3.4	78.6	75.3	77.0	
SCI33225	The Scoular Company	CV	None	3.3	81.7	70.0	75.9	
AGI 3738AE	Advanced Genetics, Inc.	EN	CruiserMaxx APX	3.8	75.6	75.6	75.6	
XO 3651E	Xitavo Soybean Seed	EN	Obvius Plus, Poncho/Votivo, ILeVO, Relenya	3.6	76.7	74.0	75.4	83.1
SCM34311	The Scoular Company	CV	None	3.4	73.6	69.4	71.5	
AGI 3737AE	Advanced Genetics, Inc.	EN	ProTec S4	3.7	74.3	62.4	68.4	
			Min	3.2	73.6	62.4	68.4	
			Max	3.9	95.5	87.7	89.5	
			Mean	3.5	83.7	80.1	82.0	
			LSD (0.1)		5.0	5.0		
			CV		5.1	5.3		

**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 2023 Ohio Soybean Performance Trials, Central Region - Early Varieties (RM 2.4-3.3)

Entry		Seed & Plant Characteristics			Central Region Yield (bu/ac)			
Variety	Brand/Company Name	Type	Seed Treatment	RM	C1	C2	'23 Mean	'22-'23 Mean
BR 30B4	Blue River	CV	None	3.0	74.4	85.3**	79.9	
NK28-B9E3S	NK Seeds	EN	CruiserMaxx APX, Saltro	2.8	76.3*	78.8*	77.6	
S33EN42	Dyna-Gro Seed	EN	Equity VIP, Saltro, Vayantis	3.3	72.0	79.7*	75.9	69.1
303XF	Ebberts Field Seeds	XF	Ebberts Complete	3.0	75.6	75.4	75.5	67.1
E2980 E3	Ebberts Field Seeds	EN	Ebberts Complete	2.9	73.6	76.7	75.2	
GH2814E3S	Golden Harvest	EN	CruiserMaxx, Saltro	2.8	71.4	78.7*	75.1	
W 6330E	Wellman Seeds, Inc.	EN	Encase	3.0	81.4**	68.5	75.0	64.7
XO 3131E	Xitavo Soybean Seed	EN	Obvius Plus, Poncho/Votivo, ILeVO, Relenya	3.1	75.0	74.7	74.9	67.6
E3370 E3	Ebberts Field Seeds	EN	Ebberts Complete	3.3	73.6	75.0	74.3	64.9
AG27XF3	Asgrow	XF	Acceleron	2.7	73.0	75.0	74.0	
SG3254E	Shur Grow	EN	Warden CX II	3.2	71.5	74.7	73.1	
V2922	Virtue Seeds	CV	CruiserMaxx APX	2.9	75.8*	69.7	72.8	68.5
XO 3014E	Xitavo Soybean Seed	EN	Obvius Plus, Poncho/Votivo, ILeVO, Relenya	3.0	74.7	69.0	71.9	
E3380 E3	Ebberts Field Seeds	EN	Ebberts Complete	3.3	74.4	69.2	71.8	
XO 3224E	Xitavo Soybean Seed	EN	Obvius Plus, Poncho/Votivo, ILeVO, Relenya	3.2	74.4	68.0	71.2	
S31EN91	Dyna-Gro Seed	EN	Equity VIP, Saltro, Vayantis	3.1	75.4	66.9	71.2	64.6
AGI 3733AE	Advanced Genetics, Inc.	EN	ProTec S4	3.3	71.8	70.0	70.9	
SG3284E	Shur Grow	EN	Warden CX II	3.2	76.0*	65.5	70.8	
SC7311E™	Seed Consultants, Inc.	EN	LumiGen, ILeVO	3.1	75.1	66.3	70.7	63.3
AGI 3730AE	Advanced Genetics, Inc.	EN	CruiserMaxx APX	3.0	69.5	70.8	70.2	
SCI33225	The Scoular Company	CV	None	3.3	75.5	64.3	69.9	
HS 31E20	Growmark, Inc.	EN	Acceleron I+F, Saltro	3.1	73.7	66.0	69.9	65.2
AG32XF2	Asgrow	XF	Acceleron	3.2	70.7	67.9	69.3	61.3
AGI 3731AE	Advanced Genetics, Inc.	EN	CruiserMaxx APX	3.1	77.2*	61.4	69.3	
GH3373E3S	Golden Harvest	EN	CruiserMaxx APX, Saltro	3.3	68.1	70.1	69.1	63.2
AG28XF3	Asgrow	XF	Acceleron	2.8	69.1	68.5	68.8	
333XF	Ebberts Field Seeds	XF	Ebberts Complete	3.3	76.5*	61.0	68.8	62.7
SG3053E	Shur Grow	EN	Warden CX II	3.0	73.3	63.6	68.5	63.8
HS 29F10	Growmark, Inc.	XF	Acceleron I+F, Saltro	2.9	68.9	67.8	68.4	61.0
WSC 1217N	Williamsfield Seed Company	CV	Eclipse US Trio	3.3	70.1	66.6	68.4	62.7
SCI29776	The Scoular Company	CV	None	2.9	68.7	67.6	68.2	
E3171 E3	Ebberts Field Seeds	EN	Ebberts Complete	3.1	72.5	63.2	67.9	
SC7293E	Seed Consultants, Inc.	EN	LumiGen, ILeVO	2.9	68.0	67.6	67.8	
SG2554E	Shur Grow	EN	Warden CX II	2.5	69.8	65.4	67.6	
HS 28E10	Growmark, Inc.	EN	Acceleron I+F, Saltro	2.8	69.4	65.4	67.4	62.7
SC7332E	Seed Consultants, Inc.	EN	LumiGen, ILeVO	3.3	71.8	60.3	66.1	61.6
SCI30061	The Scoular Company	CV	None	3.0	66.2	64.9	65.6	
EXPERIMENTAL 2	GDM Seeds	EN	CruiserMaxx APX	2.9	68.5	61.6	65.1	
WSC 8300NY	Williamsfield Seed Company	CV	Eclipse US Trio	2.6	65.1	65.0	65.1	
XO 2832E	Xitavo Soybean Seed	EN	Obvius Plus, Poncho/Votivo, ILeVO, Relenya	2.8	66.4	62.9	64.7	60.4
AG30XF2	Asgrow	XF	Acceleron	3.0	67.8	60.9	64.4	61.2
AG33XF3	Asgrow	XF	Acceleron	3.3	68.1	60.4	64.3	
AGI 3729AE	Advanced Genetics, Inc.	EN	CruiserMaxx APX	2.9	66.0	62.0	64.0	
XO 2613E	Xitavo Soybean Seed	EN	Obvius Plus, Poncho/Votivo, ILeVO, Relenya	2.6	66.7	60.2	63.5	
S29EN62	Dyna-Gro Seed	EN	Equity VIP, Saltro, Vayantis	2.9	69.3	57.1	63.2	59.4
WSC 2967NY	Williamsfield Seed Company	CV	Eclipse US Trio	3.2	72.2	54.1	63.2	
EXPERIMENTAL 3	GDM Seeds	EN	CruiserMaxx APX	3.2	66.7	59.4	63.1	
XO 2963E	Xitavo Soybean Seed	EN	Obvius Plus, Poncho/Votivo, ILeVO, Relenya	2.9	66.9	58.3	62.6	59.5
S31EN14	Dyna-Gro Seed	EN	Equity VIP, Saltro, Vayantis	3.1	64.2	60.7	62.5	
GH2922E3	Golden Harvest	EN	CruiserMaxx, Saltro	2.9	68.6	55.9	62.3	58.0
AG24XF3	Asgrow	XF	Acceleron	2.4	70.0	54.2	62.1	
HS 26E20	Growmark, Inc.	EN	Acceleron I+F, Saltro	2.6	62.6	60.6	61.6	58.4
SG2753E	Shur Grow	EN	Warden CX II	2.7	70.5	52.2	61.4	
W 6133E	Wellman Seeds, Inc.	EN	Encase	3.3	70.3	51.0	60.7	
SG33EXP	Shur Grow	EN	Warden CX II	3.3	68.5	52.1	60.3	
HS 28F30	Growmark, Inc.	XF	Acceleron I+F, Saltro	2.8	72.0	47.4	59.7	

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

TABLE 5: The 2023 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/Company Name	Type	Seed Treatment	RM	C1	C2	'23 Mean	'22-'23 Mean
AG26XF3	Asgrow	XF	Accelaron	2.6	67.3	52.0	59.7	
NK30-B2E3	NK Seeds	EN	CruiserMaxx APX, Saltro	3.0	63.2	54.2	58.7	56.8
GH3043E3S	Golden Harvest	EN	CruiserMaxx APX, Saltro	3.0	61.1	54.0	57.6	
				Min	2.4	61.1	47.4	57.6
				Max	3.3	81.4	85.3	79.9
				Mean	3.0	70.6	64.6	67.7
				LSD (0.1)		5.7	7.8	
				CV		6.9	10.3	

**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 2023 Ohio Soybean Performance Trials, Central Region - Late Varieties (RM 3.4-4.2)

Entry		Seed & Plant Characteristics			Central Region Yield (bu/ac)			
Variety	Brand/Company Name	Type	Seed Treatment	RM	C1	C2	'23 Mean	'22-'23 Mean
XO 3752E	Xitavo Soybean Seed	EN	Obvius Plus, Poncho/Votivo, ILeVO, Relenya	3.7	77.9*	81.7**	79.8	70.8
S37ES52	Dyna-Gro Seed	EN	Equity VIP, Saltro, Vayantis	3.7	75.9*	80.9*	78.4	70.8
E3760 E3	Ebberts Field Seeds	EN	Ebberts Complete	3.7	77.2*	79.4*	78.3	72.1
384XF	Ebberts Field Seeds	XF	Ebberts Complete	3.8	78.0*	76.0*	77.0	
HS 37E10	Growmark, Inc.	EN	Accelaron I+F, Saltro	3.7	76.0*	76.0*	76.0	70.0
W 6335E	Wellman Seeds, Inc.	EN	Encase	3.5	78.1**	72.6	75.4	
SG3652E	Shur Grow	EN	Warden CX II	3.6	74.9*	73.1	74.0	66.6
HS 34F30	Growmark, Inc.	XF	Accelaron I+F, Saltro	3.4	73.7*	72.9	73.3	
V3623	Virtue Seeds	CV	CruiserMaxx APX	3.6	75.4*	70.3	72.9	
GH3693E3S	Golden Harvest	EN	CruiserMaxx APX, Saltro	3.6	76.4*	68.1	72.3	
NK36-H9E3S	NK Seeds	EN	CruiserMaxx APX, Saltro	3.6	73.2*	71.1	72.2	66.2
E3580 E3	Ebberts Field Seeds	EN	Ebberts Complete	3.5	73.2*	71.0	72.1	
3843XF	Stewart Seeds	XF	Accelaron	3.8	69.5	73.5	71.5	68.2
XO 3483E	Xitavo Soybean Seed	EN	Obvius Plus, Poncho/Votivo, ILeVO, Relenya	3.4	75.0*	65.9	70.5	
HS 35E10	Growmark, Inc.	EN	Accelaron I+F, Saltro	3.5	70.5	70.0	70.3	67.0
AG39XF3	Asgrow	XF	Accelaron	3.9	70.4	70.0	70.2	
WSC 3496NY	Williamsfield Seed Company	CV	Eclipse US Trio	3.4	78.1*	61.8	70.0	
XO 3803E	Xitavo Soybean Seed	EN	Obvius Plus, Poncho/Votivo, ILeVO, Relenya	3.8	74.7*	64.9	69.8	67.5
SG3454E	Shur Grow	EN	Warden CX II	3.4	75.1*	64.2	69.7	
SC7364E	Seed Consultants, Inc.	EN	LumiGen, ILeVO	3.6	68.1	70.7	69.4	
HM18-19023	The Ohio State University	CV	None	3.8	72.4*	66.1	69.3	
SG3853E	Shur Grow	EN	Warden CX II	3.8	69.8	68.3	69.1	66.0
BR 3418N	Blue River	CV	None	3.4	75.9*	62.1	69.0	
SG3784E	Shur Grow	EN	Warden CX II	3.7	76.8*	61.0	68.9	
AGI 3738AE	Advanced Genetics, Inc.	EN	CruiserMaxx APX	3.8	70.5	65.6	68.1	
4053XF	Stewart Seeds	XF	Accelaron	4.0	66.4	69.2	67.8	66.1
S35ES82	Dyna-Gro Seed	EN	Equity VIP, Saltro, Vayantis	3.5	75.5*	59.0	67.3	62.6
SC7341E™	Seed Consultants, Inc.	EN	LumiGen, ILeVO	3.4	67.6	66.7	67.2	62.9
AGI 3738BE	Advanced Genetics, Inc.	EN	CruiserMaxx APX	3.8	70.4	63.7	67.1	
AG38XF1	Asgrow	XF	Accelaron	3.8	72.2*	61.4	66.8	62.9
XO 3651E	Xitavo Soybean Seed	EN	Obvius Plus, Poncho/Votivo, ILeVO, Relenya	3.6	70.2	63.3	66.8	62.0
BR 42D40	Blue River	CV	None	4.2	70.4	62.7	66.6	
BR 3923	Blue River	CV	None	3.9	67.6	64.7	66.2	
AGI 3734AE	Advanced Genetics, Inc.	EN	CruiserMaxx APX	3.4	75.7*	56.5	66.1	
G3480E	Ebberts Field Seeds	EN	Ebberts Complete	3.4	67.4	63.8	65.6	
HS 38E20	Growmark, Inc.	EN	Accelaron I+F, Saltro	3.8	66.4	64.2	65.3	66.0
AGI 3739AE	Advanced Genetics, Inc.	EN	ProTec S4	3.9	70.9	58.9	64.9	

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

TABLE 6: The 2023 Ohio Soybean Performance Trials, Central Region - Late Varieties (RM 3.4-4.2)
CONTINUED FROM PREVIOUS PAGE

Entry		Seed & Plant Characteristics			Central Region Yield (bu/ac)			
Variety	Brand/Company Name	Type	Seed Treatment	RM	C1	C2	'23 Mean	'22-'23 Mean
DM39E03	DONMARIO Seeds	EN	CruiserMaxx APX	3.9	67.8	61.1	64.5	
E3880 E3	Ebberts Field Seeds	EN	Ebberts Complete	3.8	71.0	57.3	64.2	
HM18-18047	The Ohio State University	CV	None	3.9	68.6	59.7	64.2	
AG35XF1	Asgrow	XF	Acceleron	3.5	63.6	62.9	63.3	61.2
AGI 3735AE	Advanced Genetics, Inc.	EN	CruiserMaxx APX	3.5	67.4	59.1	63.3	
HM18-21128	The Ohio State University	CV	None	4.0	61.2	62.0	61.6	
EXPERIMENTAL 4	GDM Seeds	EN	CruiserMaxx APX	3.4	71.6*	50.7	61.2	
AGI 3737AE	Advanced Genetics, Inc.	EN	ProTec S4	3.7	68.0	52.9	60.5	
AGI 3740AE	Advanced Genetics, Inc.	EN	CruiserMaxx APX	4.0	66.4	53.5	60.0	
SCM34311	The Scoular Company	CV	None	3.4	64.6	53.9	59.3	
XO 3922E	Xitavo Soybean Seed	EN	Obvius Plus, Poncho/Votivo, ILeVO, Relenya	3.9	65.5	50.1	57.8	
HM17-07093	The Ohio State University	CV	None	4.0	58.4	53.4	55.9	
HM14-3614-4	The Ohio State University	CV	None	3.6	52.6	41.1	46.9	
				Min	3.4	52.6	41.1	46.9
				Max	4.2	78.1	81.7	79.8
				Mean	3.7	70.5	64.5	68.6
				LSD (0.1)		6.5	6.0	
				CV		7.9	8.0	

**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 2023 Ohio Soybean Performance Trials, South Region - Early Varieties (RM 2.5-3.6)

Entry		Seed & Plant Characteristics			South Region Yield (bu/ac)	
Variety	Brand/Company Name	Type	Seed Treatment	RM	S2	'22-'23 Mean
E3580 E3	Ebberts Field Seeds	EN	Ebberts Complete	3.5	96.2**	
AG35XF1	Asgrow	XF	Acceleron	3.5	96.0*	85.1
AG27XF3	Asgrow	XF	Acceleron	2.7	94.4*	
XO 3224E	Xitavo Soybean Seed	EN	Obvius Plus, Poncho/Votivo, ILeVO, Relenya	3.2	94.3*	
V2922	Virtue Seeds	CV	CruiserMaxx APX	2.9	94.0*	82.7
XO 3483E	Xitavo Soybean Seed	EN	Obvius Plus, Poncho/Votivo, ILeVO, Relenya	3.4	93.2*	82.9
SG3254E	Shur Grow	EN	Warden CX II	3.2	93.1*	
E3380 E3	Ebberts Field Seeds	EN	Ebberts Complete	3.3	91.3*	
SC7364E™	Seed Consultants, Inc.	EN	LumiGen, ILeVO	3.6	91.0*	
E3370 E3	Ebberts Field Seeds	EN	Ebberts Complete	3.3	89.9*	81.3
SG2554E	Shur Grow	EN	Warden CX II	2.5	89.4*	
AG33XF3	Asgrow	XF	Acceleron	3.3	89.1*	
SG3652E	Shur Grow	EN	Warden CX II	3.6	88.6*	
SG33EXP	Shur Grow	EN	Warden CX II	3.3	88.0	
SC7341E™	Seed Consultants, Inc.	EN	LumiGen, ILeVO	3.4	87.8	79.2
XO 3131E	Xitavo Soybean Seed	EN	Obvius Plus, Poncho/Votivo, ILeVO, Relenya	3.1	87.8	79.2
GH3693E3S	Golden Harvest	EN	CruiserMaxx APX, Saltro	3.6	87.3	
NK36-H9E3S	NK Seeds	EN	CruiserMaxx APX, Saltro	3.6	87.1	81.2
W 6335E	Wellman Seeds, Inc.	EN	Encase	3.5	86.9	
AG30XF2	Asgrow	XF	Acceleron	3.0	86.7	79.0
SC7332E™	Seed Consultants, Inc.	EN	LumiGen, ILeVO	3.3	86.4	80.5
SG3454E	Shur Grow	EN	Warden CX II	3.4	86.4	
SG3284E	Shur Grow	EN	Warden CX II	3.2	85.8	
V3623	Virtue Seeds	CV	CruiserMaxx APX	3.6	85.5	
AGI 3733AE	Advanced Genetics, Inc.	EN	ProTec S4	3.3	85.4	
XO 3651E	Xitavo Soybean Seed	EN	Obvius Plus, Poncho/Votivo, ILeVO, Relenya	3.6	85.3	79.7
S35ES82	Dyna-Gro Seed	EN	Equity VIP, Saltro, Vayantis	3.5	85.2	

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

TABLE 7: The 2023 Ohio Soybean Performance Trials, South Region - Early Varieties (RM 2.5-3.6)
CONTINUED FROM PREVIOUS PAGE

Variety	Entry Brand/Company Name	Seed & Plant Characteristics			South Region Yield (bu/ac)	
		Type	Seed Treatment	RM	S2	'22-'23 Mean
S33EN42	Dyna-Gro Seed	EN	Equity VIP, Saltro, Vayantis	3.3	84.8	77.1
XO 3014E	Xitavo Soybean Seed	EN	Obvius Plus, Poncho/Votivo, ILeVO, Relenya	3.0	84.8	
GH3373E3S	Golden Harvest	EN	CruiserMaxx APX, Saltro	3.3	84.5	79.0
W 6133E	Wellman Seeds, Inc.	EN	Encase	3.3	83.7	
AGI 3735AE	Advanced Genetics, Inc.	EN	CruiserMaxx APX	3.5	82.4	
SCI33225	The Scoular Company	CV	None	3.3	82.0	
AG28XF3	Asgrow	XF	Acceleron	2.8	81.1	
EXPERIMENTAL 3	GDM Seeds	EN	CruiserMaxx APX	3.2	80.9	
AGI 3734AE	Advanced Genetics, Inc.	EN	CruiserMaxx APX	3.4	80.5	
333XF	Ebberts Field Seeds	XF	Ebberts Complete	3.3	80.0	77.2
AG32XF2	Asgrow	XF	Acceleron	3.2	79.5	73.6
EXPERIMENTAL 4	GDM Seeds	EN	CruiserMaxx APX	3.4	77.3	
SCM34311	The Scoular Company	CV	None	3.4	76.6	
SG3053E	Shur Grow	EN	Warden CX II	3.0	75.0	
SG2753E	Shur Grow	EN	Warden CX II	2.7	71.0	
SCI29776	The Scoular Company	CV	None	2.9	69.9	
SCI30061	The Scoular Company	CV	None	3.0	68.0	
			Min	2.5	68.0	
			Max	3.6	96.2	
			Mean	3.3	85.3	
			LSD (0.1)		8.1	
			CV		6.8	

There was severe hail damage at the 2023 S1 location (Preble County) in July, causing approximately 90% defoliation. Due to the damage, soybean yield is not reported for the early trial at this location.

**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 2023 Ohio Soybean Performance Trials, South Region - Late Varieties (RM 3.7-4.3)

Variety	Entry Brand/Company Name	Seed & Plant Characteristics			South Region Yield (bu/ac)			
		Type	Seed Treatment	RM	S1	S2	'23 Mean	'22-'23 Mean
384XF	Ebberts Field Seeds	XF	Ebberts Complete	3.8	75.4**	90.3*	82.9	
NK40-P5E3	NK Seeds	EN	CruiserMaxx APX, Saltro	4.0	68.5	90.9**	79.7	
AG38XF1	Asgrow	XF	Acceleron	3.8	68.6	88.2*	78.4	76.0
AGI 3739BE	Advanced Genetics, Inc.	EN	ProTec S4	3.8	65.6	88.0*	76.8	
NK39-J2E3	NK Seeds	EN	CruiserMaxx APX, Saltro	3.9	62.6	89.6*	76.1	
3843XF	Stewart Seeds	XF	Acceleron	3.8	68.2	83.9	76.1	76.7
SG3853E	Shur Grow	EN	Warden CX II	3.8	63.8	86.3*	75.1	
AG43XF2	Asgrow	XF	Acceleron	4.3	64.7	85.2*	75.0	74.8
XO 3803E	Xitavo Soybean Seed	EN	Obvius Plus, Poncho/Votivo, ILeVO, Relenya	3.8	62.7	85.6*	74.2	71.8
W 6339E	Wellman Seeds, Inc.	EN	Encase	3.9	65.6	82.5	74.1	
E3760 E3	Ebberts Field Seeds	EN	Ebberts Complete	3.7	62.8	84.4*	73.6	
GH3774E3	Golden Harvest	EN	CruiserMaxx APX, Saltro	3.7	66.4	80.1	73.3	
NK37-C1E3	NK Seeds	EN	CruiserMaxx APX, Saltro	3.7	62.4	84.1*	73.3	
EXPERIMENTAL 5	GDM Seeds	EN	CruiserMaxx APX	4.0	64.6	81.6	73.1	
XO 3752E	Xitavo Soybean Seed	EN	Obvius Plus, Poncho/Votivo, ILeVO, Relenya	3.7	64.5	81.7	73.1	74.5
E3880 E3	Ebberts Field Seeds	EN	Ebberts Complete	3.8	59.8	85.8*	72.8	
S40EN54	Dyna-Gro Seed	EN	Equity VIP, Saltro, Vayantis	4.0	63.2	82.3	72.8	
XO 4084E	Xitavo Soybean Seed	EN	Obvius Plus, Poncho/Votivo, ILeVO, Relenya	4.0	60.1	85.0*	72.6	
S37ES52	Dyna-Gro Seed	EN	Equity VIP, Saltro, Vayantis	3.7	63.4	81.4	72.4	75.7
AGI 3740AE	Advanced Genetics, Inc.	EN	CruiserMaxx APX	4.0	59.4	84.8*	72.1	
GH3994E3	Golden Harvest	EN	CruiserMaxx APX, Saltro	3.9	59.3	84.1*	71.7	
4053XF	Stewart Seeds	XF	Acceleron	4.0	69.5*	72.8	71.2	72.5
SG3784E	Shur Grow	EN	Warden CX II	3.7	57.4	83.5	70.5	
AGI 3739AE	Advanced Genetics, Inc.	EN	ProTec S4	3.9	59.4	79.6	69.5	
AGI 3743AE	Advanced Genetics, Inc.	EN	CruiserMaxx APX	4.3	63.3	75.6	69.5	

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

TABLE 8: The 2023 Ohio Soybean Performance Trials, South Region - Late Varieties (RM 3.7-4.3)
CONTINUED FROM PREVIOUS PAGE

Entry		Seed & Plant Characteristics			South Region Yield (bu/ac)			
Variety	Brand/Company Name	Type	Seed Treatment	RM	S1	S2	'23 Mean	'22-'23 Mean
AG39XF3	Asgrow	XF	Acceleron	3.9	57.3	81.6	69.5	
AGI 3738AE	Advanced Genetics, Inc.	EN	CruiserMaxx APX	3.8	58.6	78.3	68.5	
XO 3922E	Xitavo Soybean Seed	EN	Obvius Plus, Poncho/Votivo, ILeVO, Relenya	3.9	56.6	77.1	66.9	68.9
DM39E03	DONMARIO Seeds	EN	CruiserMaxx APX	3.9	58.6	74.5	66.6	
AGI 3737AE	Advanced Genetics, Inc.	EN	ProTec S4	3.7	51.4	77.0	64.2	
				Min	3.7	51.4	72.8	64.2
				Max	4.3	75.4	90.9	82.9
				Mean	3.9	63.1	82.5	72.8
				LSD (0.1)		6.2	6.8	
				CV		8.3	5.8	

**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 Union County location, 2023.

Entry						Entry							
Variety		RM	Type	Seeds/lb	% Protein	% Oil	Variety		RM	Type	Seeds/lb	% Protein	% Oil
Advanced Genetics, Inc.						Dyna-Gro Seed							
AGI 3725AE		2.5	EN	3131	32.6	20.9	S25EN74		2.5	EN	3355	31.7	20.7
AGI 3727AE		2.7	EN	3251	34.7	19.4	S26EN53		2.6	EN	2886	34.8	19.2
AGI 3728AE		2.8	EN	—	—	—	S29EN62		2.9	EN	—	—	—
AGI 3729AE		2.9	EN	3452	32.8	20.4	S31EN14		3.1	EN	2808	31.4	20.2
AGI 3730AE		3.0	EN	3095	33.8	18.5	S31EN91		3.1	EN	2840	34.7	18.7
AGI 3731AE		3.1	EN	3007	30.8	20.5	S33EN42		3.3	EN	2945	34.1	19.5
AGI 3733AE		3.3	EN	3095	33.8	19.2	S35ES82		3.5	EN	2729	34.4	18.5
AGI 3734AE		3.4	EN	3081	35.3	19.4	S37ES52		3.7	EN	2676	34.6	19.3
AGI 3735AE		3.5	EN	2948	34.7	18.4	S40EN54		4.0	EN	2910	34.3	18.5
AGI 3737AE		3.7	EN	—	—	—	Ebberts Field Seed Inc.						
AGI 3738AE		3.8	EN	3642	36.3	17.0	E2170 E3		2.1	EN	2546	33.8	20.7
AGI 3738BE		3.8	EN	2589	33.0	19.4	E2570 E3		2.5	EN	2650	33.5	19.4
AGI 3739AE		3.9	EN	—	—	—	E2980 E3		2.9	EN	2849	33.9	18.6
AGI 3740AE		4.0	EN	2861	34.9	18.0	303XF		3.0	XF	2536	35.5	17.9
AGI 3743AE		4.3	EN	2861	33.4	18.7	E3171 E3		3.1	EN	2935	33.6	19.7
Bayer Crop Science						E3380 E3							
AG24XF3		2.4	XF	2344	34.9	19.5	E3370 E3		3.3	EN	2702	35.1	19.2
AG26XF3		2.6	XF	—	—	—	333XF		3.3	XF	2832	35.4	17.8
AG27XF3		2.7	XF	2826	33.5	19.1	G3480E		3.4	EN	2774	31.8	20.3
AG28XF3		2.8	XF	2826	35.0	19.1	E3580 E3		3.5	EN	2987	33.8	18.8
AG30XF2		3.0	XF	2814	36.0	18.3	E3760 E3		3.7	EN	—	—	—
AG32XF2		3.2	XF	2980	34.2	18.0	E3880 E3		3.8	EN	2785	35.0	18.2
AG33XF3		3.3	XF	2904	34.4	19.1	384XF		3.8	XF	2743	33.4	19.2
AG35XF1		3.5	XF	—	—	—	GDM Seeds						
AG38XF1		3.8	XF	2855	35.0	17.7	EXPERIMENTAL 6		2.2	EN	—	—	—
AG39XF3		3.9	XF	3017	33.7	18.2	EXPERIMENTAL 1		2.7	EN	3020	34.4	19.4
AG43XF2		4.3	XF	2980	34.2	18.6	EXPERIMENTAL 2		2.9	EN	3401	33.7	20.0
Blue River/Albert Lea Seed House						EXPERIMENTAL 3							
BR 2702		2.7	CV	2541	35.5	19.5	EXPERIMENTAL 4		3.2	EN	2820	35.3	19.4
BR 29DC5		2.9	CV	2780	34.4	19.2	EXPERIMENTAL 5		3.4	EN	2993	35.4	19.4
BR 30B4		3.0	CV	2320	33.7	18.3	Golden Harvest						
BR 3418N		3.4	CV	2898	33.7	19.4	GH2814E3S		2.8	EN	—	—	—
BR 3923		3.9	CV	2716	35.1	18.2	GH2922E3		2.9	EN	3274	33.8	19.5
BR 42D40		4.2	CV	2929	35.4	18.5	GH3043E3S		3.0	EN	2829	33.3	19.2
DONMARIO Seeds						GH3373E3S							
DM39E03		3.9	EN	2873	36.1	18.0	GH3693E3S		3.3	EN	3405	34.2	18.6
							GH3774E3		3.6	EN	2788	31.2	20.4
							GH3994E3		3.7	EN	3251	32.8	19.2
									3.9	EN	—	—	—

**TABLE 9: Seed characteristics (seeds/lb, % protein, and % oil) from seed collected at the Union County location, 2023.
CONTINUED FROM PREVIOUS PAGE**

Entry			Seed Quality			Entry			Seed Quality		
Variety	RM	Type	Seeds/lb	% Protein	% Oil	Variety	RM	Type	Seeds/lb	% Protein	% Oil
Growmark, Inc./FS HiSOY						Stewart Seeds					
HS 23E10	2.3	EN	2777	34.3	19.3	2964XF	2.9	XF	2945	35.0	18.3
HS 26E20	2.6	EN	2948	33	19.9	3144XF	3.1	XF	3095	33.3	18.9
HS 28E10	2.8	EN	2948	33.9	19	3843XF	3.8	XF	3262	33.3	18.2
HS 28F30	2.8	XF	3000	33.3	19.8	4053XF	4.0	XF	2951	33.5	18.4
HS 29F10	2.9	XF	—	—	—	The Ohio State University					
HS 31E20	3.1	EN	2892	34.3	19.0	HM14-3614-4	3.3	CV	4821	34.2	17
HS 34F30	3.4	XF	—	—	—	HM18-19023	3.8	CV	2165	36.3	18.1
HS 35E10	3.5	EN	3050	32.8	20.0	HM18-18047	3.9	CV	2051	37.1	17.5
HS 37E10	3.7	EN	2879	31.6	20.4	HM18-21128	4.0	CV	2527	38.1	17.5
HS 38E20	3.8	EN	2634	34.5	18.7	HM17-07093	4.0	CV	—	—	—
Lucky Farmers, LLC						The Scoular Company					
Gro-Mor EXP622E52	2.5	EN	3205	33.5	20.2	SCI29776	2.9	CV	2849	38.1	19.7
Gro-Mor EXP21E13	3.1	EN	2929	33.2	20.1	SCI30061	3.0	CV	3145	36.0	20.2
Gro-Mor EXP03E43	3.4	EN	2624	34.8	19.4	SCI33225	3.3	CV	3208	37.1	19.1
NK Seeds						SCM34311	3.4	CV	3666	38.8	18.9
NK28-B9D3S	2.8	EN	2757	35.2	18.5	Virtue Seed					
NK30-B2E3	3.0	EN	2876	35.2	18.2	V2922	2.9	CV	—	—	—
NK36-H9E3S	3.6	EN	2808	33.7	19.5	V3623	3.6	CV	2518	36.0	18.0
NK37-C1E3	3.7	EN	3117	34.3	18.5	Wellman Seeds Inc.					
NK39-J2E3	3.9	EN	2684	34.7	18.4	W 6319E	1.9	EN	2634	32.7	20.4
NK40-P5E3	4.0	EN	2729	34.9	18.7	W 6125E	2.5	EN	2800	32.5	20.8
Seed Consultants, Inc.						W 6330E	3.0	EN	2974	34.2	19.3
SC7293E™	2.9	EN	3017	33.5	19.7	W 6133E	3.3	EN	3017	33.6	19.6
SC7311E™	3.1	EN	2974	34.9	18.3	W 6335E	3.5	EN	—	—	—
SC7332E™	3.3	EN	2945	35.7	18.3	W 6339E	3.9	EN	—	—	—
SC7341E™	3.4	EN	2974	32.7	20.0	Williamsfield Seed Company					
SC7364E™	3.6	EN	2855	34.5	18.9	WSC 8300NY	2.6	CV	3409	34.5	18.2
Seedway						WSC 2967NY	3.2	CV	—	—	—
SG 2923E3	2.9	EN	2961	34.2	18.6	WSC 1217N	3.3	CV	—	—	—
SG 3323E3	3.3	EN	2895	32.8	19.3	WSC 3496NY	3.4	CV	3000	34.8	18.3
SG 3327XTF	3.3	XF	2858	35.8	17.6	Xitavo Soybean Seed					
SG 3522E3	3.5	EN	—	—	—	XO 2323E	2.3	EN	3138	34.8	19.1
Shur Grow						XO 2444E	2.4	EN	2472	33.6	20.1
SG2554E	2.5	EN	2832	33.9	19.4	XO 2613E	2.6	EN	2993	34.2	19.4
SG2753E	2.7	EN	2984	32.3	19.9	XO 2832E	2.8	EN	—	—	—
SG3053E	3.0	EN	3110	32.5	20.1	XO 2963E	2.9	EN	3220	33.1	20.1
SD3284E	3.2	EN	2663	35.3	19.3	XO 3014E	3.0	EN	3044	33.5	19
SG3254E	3.2	EN	2948	31.2	19.7	XO 3131E	3.1	EN	2904	34.9	18.5
SG33EXP	3.3	EN	3085	35.3	19.3	XO 3224E	3.2	EN	2785	33.8	19
SG3454E	3.4	EN	2932	34.1	18.6	XO 3483E	3.4	EN	—	—	—
SG3652E	3.6	EN	—	—	—	XO 3651E	3.6	EN	—	—	—
SG3784E	3.7	EN	2814	35.0	18.1	XO 3752E	3.7	EN	2624	34.9	19.3
SG3853E	3.8	EN	2663	32.4	19.5	XO 3803E	3.8	EN	—	—	—
						XO 3992E	3.9	EN	2883	34.6	18.3
						XO 4084E	4.0	EN	2702	34.5	18.9

—Grain sample was not collected due to combine malfunction.