



THE OHIO STATE
UNIVERSITY

COLLEGE OF FOOD, AGRICULTURAL,
AND ENVIRONMENTAL SCIENCES

THE 2018 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. All sites were no-till except the N1 location, which was conventionally tilled. Farmer cooperators sprayed preemergence herbicides (varied by location). Postemergence herbicides included: N1, N2, and S2 = Select Max, Alliance, Basagran, First Rate, and Flexstar. C2 = Select Max, Alliance, Basagran, and Flexstar. C1 and S1 = Select Max, Alliance, Basagran, First Rate, Flexstar, and Raptor.

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 2018 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, Liberty Link, Roundup Ready, and Xtend varieties were tested in the same block to allow for head-to-head comparisons. Conventional, Liberty Link, Roundup Ready, and Xtend entries are statistically comparable within a location and maturity grouping (early or late). Enlist varieties were planted in a separate block due to restrictions. Conventional herbicides were sprayed on all entries. Use the table below to find varieties by region, maturity, and type.

2018 Tables by Type, Region, Maturity Grouping

Type	Region	Maturity	Table
Conventional, Liberty Link, Roundup Ready, Xtend	North	Early	Table 3
		Late	Table 4
Conventional, Liberty Link, Roundup Ready, Xtend	Central	Early (2.5-3.3)	Table 5
		Late (3.4-4.1)	Table 6
Conventional, Liberty Link, Roundup Ready, Xtend	South	Early (2.5-3.6)	Table 7
		Late (3.7-4.4)	Table 8
Enlist	All	Both (2.8-3.9)	Table 9

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, latitude, and disease. 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. Lodging was rated at the S1 and S2 locations at harvest using the scale: 1 = nearly all plants erect, 2 = most plants leaning slightly, 3 = most plants leaning moderately (45° angle), 4 = most plants horizontal, 5 = 80% or more of the plants down on the soil surface.

Seed Size is reported as number of seeds per pound.

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, Fiber %. 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.

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 region 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 2018 Ohio Soybean Performance Trials, Site Descriptions

	N1	N2	C1	C2	S1	S2
	Henry Co.	Sandusky Co.	Mercer Co.	Marion Co.	Preble Co.	Clinton Co.
Soil texture	Clay	Sandy loam	Clay	Clay	Clay loam	Silt loam
Soil pH	6.5	6.8	7.2	6.3	6.3	6.7
Soil Test P-Mehlich (ppm)	21	23	88	31	158	51
Soil Test K (ppm)	191	79	192	175	169	134
Plant date	May 29	June 4	May 24	May 17	May 14	May 11
Harvest date		Coming Soon!		Oct. 12	Oct. 3	Oct. 2

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	Seed Trt	RM	Type	Table #	Variety	Seed Trt	RM	Type	Table #	Variety	Seed Trt	RM	Type	Table #	Variety	Seed Trt	RM	Type	Table #
Advanced Genetics, Inc. 11491 Foundation Rd. Croton, OH 43013 740-893-2501 advancedgeneticsinc.com					Dyna-Gro Seed 615 Hilliard Rome Rd. Columbus, OH 43228 614-620-5008 dynagroseed.com					NuTech Seed, LLC 2321 North Loop Dr., Suite 120 Ames, IA 50010 800-942-6748 yieldleader.com					Stewart Seeds 2230 CR E 300 N Greensburg, IN 47240 800-365-SEED stewartseeds.com				
26RY2	AC + L + TL	2.6	RR2Y	5	S28XT58	EQ + C	2.8	Xtend	5	3252L	SC	2.5	LL		2949R2X	AC	2.9	Xtend	
2601RX	AC + L + TL	2.6	Xtend	5	S2908N	EQ + C	2.9	CV		7253	SC	2.5	RR1	5	3029R2X	AC	3.0	Xtend	5
27M05	EC	2.7	RR1		S30XT96	EQ + C	3.0	Xtend		7279	SC	2.7	RR1	5	3337R2X	AC	3.3	Xtend	5
29LL01	AL + EV + G	2.9	LL		S31XT59	EQ + C	3.1	Xtend	5	7287X	SC	2.8	Xtend	5	3449R2X	AC	3.4	Xtend	6, 7
30RY3	AC + FL	3.0	RR2Y	5	S33XT79	EQ + C	3.3	Xtend	5	3309L	SC	3.0	LL	5	3628R2X	AC	3.6	Xtend	6, 7
30M08	AC + L + TL	3.0	RR1		S33RY76	EQ + C	3.3	RR2Y	5	7317	SC	3.1	RR1	5	3729R2X	AC	3.7	Xtend	6, 8
31CN07	EC	3.1	CV		S3305N	EQ + C	3.3	CV	5	3321L	SC	3.2	LL	5	4029R2X	AC	4.0	Xtend	8
3301RX	AC + L + TL	3.3	Xtend	5	S34XT69	EQ + C	3.4	Xtend	6, 7	3343L	SC	3.4	LL	6, 7	SYNGENTA 11055 Wayzata Blvd. Minnetonka, MN 55305 612-656-8600 syngenta.com				
35RY4	AC + FL	3.5	RR2Y	6	S35XT97	EQ + C	3.5	Xtend	6, 7	7352X	SC	3.5	Xtend	6, 7	S27-M8X	CC + M	2.7	Xtend	
36LL01	IS + V	3.6	LL	6	S36XT09	EQ + C	3.6	Xtend	6, 7	3361L	SC	3.6	LL	6, 7	S29-K3X	CC + M	2.9	Xtend	
3601RX	AC + L + TL	3.6	Xtend	6	S36LL77	EQ + C	3.6	LL	6	7387X	SC	3.8	Xtend	8	S30-M9X	CC + M	3.0	Xtend	
38RY3	IS + V	3.8	RR2Y	6	S37XS89	EQ + C	3.7	Xtend, STS	6, 8	3386L	SC	3.8	LL	6, 8	S31-Y2X	CC + M	3.1	Xtend	5
3801RX	AC + L + TL	3.8	Xtend	6	S3805N	EQ + C	3.8	CV	8	7410X	SC	4.1	Xtend	8	S33-D7X	CC + M	3.3	Xtend	5
AgriGold Hybrids 5381 Akin Rd. St. Francisville, IL 62460 800-262-7333 agrigold.com					Golden Harvest 11055 Wayzata Blvd Minnetonka, MN 55305 800-445-0956 goldenharvestseeds.com					Ohio Foundation Seeds, Inc. 11491 Foundation Rd./Box 6 Croton, OH 43013 740-893-2501					University of Missouri PO Box 160, 147 St Hwy T Portageville, MO 63873 S13-3851C CR + A + IL 4.4 CV 8				
G2900RX	AGN	2.9	Xtend	5	Ebberts Field Seeds Inc. 6840 N State Route 48 Covington, OH 45318 937-473-2521 ebbertsseed.com					Rupp Seeds, Inc. 17919 Co. Rd. B Wauseon, OH 43567 419-337-1841 ruppseeds.com					Wellman Seeds, Inc. 23778 Jennings Delphos Rd. Delphos, OH 45833 800-717-7333 wellmanseeds.com				
G3098RX	AGN	3.0	Xtend		Ebberts 319R2X	IS + R	3.1	Xtend	5	Summit	IS	2.6	CV	5	W 4525	EN	2.5	RR2Y	5, 7
G3285RX	AGN	3.2	Xtend	5	Ebberts 339R2X	IS + R	3.3	Xtend	5, 7	Wyandot 14	IS	2.9	CV	5	W 5926X	EN	2.6	Xtend	5, 7
G3440RX	AGN	3.4	Xtend	6, 7	Ebberts 358R2X	IS + R	3.5	Xtend	7	Streeter	IS	3.0	CV	5	W 265	EN	2.6	CV	5, 7
G3520RX	AGN + IL	3.5	Xtend	6, 7	Ebberts 368R2X	IS + R	3.6	Xtend	6, 7	Lorain	IS	3.4	CV	6	W 6928E	EN	2.8	Enlist	9
G3602RX	AGN	3.6	Xtend	6, 7	Ebberts 379R2X	IS + R	3.7	Xtend	6, 8	Clermont	IS	3.9	CV	8	W 5828X	EN	2.8	Xtend	5, 7
G3722RX	AGN	3.7	Xtend	6, 8	Ebberts 388R2X	IS + R	3.8	Xtend	6, 8	Seed Consultants, Inc. 648 Miami Trace Rd. Washington Court House, OH 43160 800-708-2676 seedconsultants.com					W 295	EN	2.9	CV	5, 7
G3980RX	AGN	3.9	Xtend	8	GROWMARK, Inc 1701 Towanda Ave. Bloomington, IL 61701 309-557-6399 fsseeds.com					Seedway LLC 275 North Eight St. Mifflinburg, PA 17844 800-338-2137 seedway.com					W 6930E	EN	3.0	Enlist	9
G4190RX	AGN	4.1	Xtend	8	HS 25X70	AC + IL	2.5	Xtend	5	DB2616R	DPH	2.6	RR1		W 4732	EN	3.2	RR2Y	5, 7
Bayer Crop Science 800 North Lindbergh Blvd. St. Louis, MO 63167 314-694-1000 agseedselect.com					HS 27X80	AC + IL	2.7	Xtend	5	28X9	DPH	2.8	Xtend		W 5932X	EN	3.2	Xtend	5, 7
AG21X7	AC	2.1	Xtend		HS 28X70	AC + IL	2.8	Xtend	5	30R8	DPH	3.0	RR1		W 335	EN	3.3	CV	5, 7
AG26X8	AC	2.6	Xtend		HS 28C70	AC + IL	2.8	CV		DB3617X	DPH	3.6	Xtend		W 4333	EN	3.3	RR2Y	5, 7
AG27X7	AC	2.7	Xtend	5	HS 28L70	AC + IL	2.8	LL	5	38R9	DPH	3.8	RR1		W 5833X	EN	3.3	Xtend	5, 7
AG30X8	AC	3.0	Xtend	5	HS 32L60	AC + IL	3.2	LL	5	SC 8279X TM	TT + L	2.7	Xtend		W 6933E	EN	3.3	Enlist	9
AG32X8	AC	3.2	Xtend	5, 7	HS 32X80	AC + IL	3.2	Xtend	5	SC 8326X TM	TT + L	3.1	GT	5	W 5836X	EN	3.6	Xtend	6, 7
AG33X8	AC	3.3	Xtend	5, 7	HS 33X80	AC + IL	3.3	Xtend	5	SC 9339R TM		3.3	GT	5, 7	W 6937E	EN	3.7	Enlist	9
AG34X6	AC	3.4	Xtend	6, 7	HS 34X60	AC + IL	3.4	Xtend	6	SC 9367R	TT + L	3.6	GT	6, 7	W 4339	EN	3.9	RR2Y	6, 8
AG36X6	AC	3.6	Xtend	6, 7	HS 34C80	AC + IL	3.4	CV		SC 3374LL TM	TT + L	3.7	LL	6, 8	W 6939E	EN	3.9	Enlist	9
AG38X8	AC	3.8	Xtend	6, 8	HS 35X80	AC + IL	3.5	Xtend	6	SC 8379X TM	TT + L + IL	3.7	Xtend	6, 8	Seed Treatments- Provided by companies A - Apron XL IL - ILeVO AC - Acceleron IS - Intego Suite AG - AgriShield F+I L - Lumisena AGN - AgriShield F+I+N MA - Maxim 4FS AL - Allegiance M - Mertect C - Clariva OP - Optimize CC - Clariva Complete PV - Poncho/Votivo CM - CruiserMaxx R - Rizolex Fungicide DPH - DPH Boost SC - SmartCote Supreme EC - EclipseUS Duo Advanced IM TL - Tag Team LCO XC EN - Encase TT - Turbo Treat EQ - Equity VIP V - Varnimo - ST EV - EvergolEnergy W - Warden CX FL - Flo Rite 1706 WR - Warden RTA G - Gaucho				
AG39X7	AC	3.9	Xtend	8	HS 38X70	AC + IL	3.8	Xtend	6	SCS 9385RR TM	TT + L	3.8	GT	6, 8	Type - As provided by seed companies CV - Conventional (non-GMO)				
AG41X8	AC	4.1	Xtend	8	HS 38L32	AC + IL	3.8	LL	6	Shur Grow 11177 Twp. Rd. 133 West Mansfield, OH 43358 800-231-7333 heritagecooperative.com									
Credenz/BASF 2 T.W. Alexander Dr. Research Triangle Park, NC 27709 419-561-7008 agproducts.basf.com					LG Seeds 9915 W M21 Ovid, MI 48866 lgseeds.com					Dairyland Seed PO Box 958 West Bend, WI 53095 800-236-0163 dairylandseed.com									
CZ 2312 LL	PV + IL + EV	2.3	LL		LGS2444RX	AG + IL	2.4	Xtend		SG-2728R2X	W	2.7	Xtend	5	Enlist GT - Glyphosate Tolerant LL - Liberty Link RR1 - Roundup Ready RR2Y - Roundup Ready 2 Yield STS - Sulfonyl-Urea Tolerant Soybean				
CZ 2408 LL	PV + IL + EV	2.4	LL		LGS2759RX	AG + IL	2.7	Xtend	5	SG-2929R2X	None	2.9	Xtend	5					
CZ 2601 LL	PV + IL + EV	2.6	LL	5	C2888RX	AG + IL	2.8	Xtend	5	SG-3026R2X	WR	3.0	Xtend	5					
CZ 2810 LL	PV + IL + EV	2.8	LL	5	LGS3297RX	AG + IL	3.2	Xtend	5, 7	SG-3229R2X	MA + A	3.2	Xtend	5, 7					
CZ 2928 LL	PV + IL + EV	2.9	LL	5	LGS3411EX	AG + IL	3.4	Xtend	6, 7	SG-3428R2X	WR	3.4	Xtend	6, 7					
CZ 3118 LL	PV + IL + EV	3.1	LL	5	C3550RX	AG + IL	3.5	Xtend	6, 7	SG-3628R2X	W	3.6	Xtend	6, 7					
CZ 3233 LL	PV + IL + EV	3.2	LL	5, 7	LGS3777RX	AG + IL	3.7	Xtend, STS	6, 8	SG-3729R2X	MA + A	3.7	Xtend	6, 8					
CZ 3548 LL	PV + IL + EV	3.5	LL	6, 7	C3985RX	AG + IL	3.9	Xtend	6, 8										
CZ 3601 LL	PV + IL + EV	3.6	LL	6, 7															
CZ 3841 LL	PV + IL + EV	3.8	LL	6, 8															
CZ 4105 LL	PV + IL + EV	4.1	LL	8															
CZ 4308 LL	PV + IL + EV	4.3	LL	8															

TABLE 5: The 2018 Ohio Soybean Performance Trials, Central Region - Early Varieties (RM 2.5-3.3)

Entry			Physical Characteristics				Central Region Yield (bu/ac)				
Brand/Variety	Company Name	Type	RM	Seeds/lb.	% Protein	% Oil	% Fiber	C1	C2	'18 Mean	'17-'18 Mean
G2900RX	AgriGold Hybrids	Xtend	2.9						68.1**		
S28XT58	Dyna-Gro Seed	Xtend	2.8						66.3*		
SC 9339R™	Seed Consultants, Inc.	GT	3.3						66.3*		
S31XT59	Dyna-Gro Seed	Xtend	3.1						65.9*		
CZ 2601 LL	Credenz/BASF	LL	2.6						65.2*		
S3305N	Dyna-Gro Seed	CV	3.3						65.2*		
Ebberts 319R2X	Ebberts Field Seeds	Xtend	3.1						64.9*		
C2888RX	LG Seeds	Xtend	2.8						64.7*		
W 5828X	Wellman Seeds, Inc.	Xtend	2.8						64.0*		
HS 28X70	Growmark, Inc.	Xtend	2.8						63.4*		
3321L	NuTech Seed, LLC	LL	3.2						62.9*		
GH3195X	Golden Harvest	Xtend	3.1						62.5*		
W 4732	Wellman Seeds, Inc.	RR2Y	3.2						62.0*		
W 5932X	Wellman Seeds, Inc.	Xtend	3.2						61.8*		
HS 25X70	Growmark, Inc.	Xtend	2.5						61.7*		
Ebberts 339R2X	Ebberts Field Seeds	Xtend	3.3						61.6*		
S31-Y2X	Syngenta	Xtend	3.1						61.6*		
LGS3297RX	LG Seeds	Xtend	3.2						61.0*		
SG-2728R2X	Shur Grow	Xtend	2.7						60.6		
3029R2X	Stewart Seeds	Xtend	3.0						60.0		
HS 33X80	Growmark, Inc.	Xtend	3.3						59.8		
W 4333	Wellman Seeds, Inc.	RR2Y	3.3						59.7		
S33XT79	Dyna-Gro Seed	Xtend	3.3						59.6		
GH3088X	Golden Harvest	Xtend	3.0						59.4		
HS 32L60	Growmark, Inc.	LL	3.2						59.4		
G3285RX	AgriGold Hybrids	Xtend	3.2						59.2		
7287X	NuTech Seed, LLC	Xtend	2.8						59.1		
AG32X8	Bayer Crop Science	Xtend	3.2						59.0		
HS 32X80	Growmark, Inc.	Xtend	3.2						59.0		
CZ 3233 LL	Credenz/BASF	LL	3.2						58.8		
3309L	NuTech Seed, LLC	LL	3.0						58.7		
SG-2929R2X	Shur Grow	Xtend	2.9						58.7		
AG33X8	Bayer Crop Science	Xtend	3.3						58.6		
LGS2759RX	LG Seeds	Xtend	2.7						58.6		
26RY2	Advanced Genetics, Inc.	RR2Y	2.6						58.2		
CZ 3118 LL	Credenz/BASF	LL	3.1						58.2		
S33RY76	Dyna-Gro Seed	RR2Y	3.3						57.8		
CZ 2810 LL	Credenz/BASF	LL	2.8						57.5		
Wyandot 14	Ohio Foundation Seeds, Inc.	CV	2.9						57.3		
30RY3	Advanced Genetics, Inc.	RR2Y	3.0						56.9		
S33-D7X	Syngenta	Xtend	3.3						56.8		
SG-2629R2X	Shur Grow	Xtend	2.6						56.7		
RS 31XT40	Rupp Seeds, Inc.	Xtend	3.1						56.6		
7253	NuTech Seed, LLC	RR1	2.5						56.5		
3337R2X	Stewart Seeds	Xtend	3.3						56.4		
SC 9318R™	Seed Consultants, Inc.	GT	3.1						56.3		
W 5833X	Wellman Seeds, Inc.	Xtend	3.3						56.3		
30R8	Seed Consultants, Inc.	RR1	3.0						56.2		
7317	NuTech Seed, LLC	RR1	3.1						56.0		
28X9	Seed Consultants, Inc.	Xtend	2.8						55.6		
2601RX	Advanced Genetics, Inc.	Xtend	2.6						55.5		
W 265	Wellman Seeds, Inc.	CV	2.6						55.4		
Illini 2904N	Ohio Foundation Seeds, Inc.	CV	2.9						55.3		
AG30X8	Bayer Crop Science	Xtend	3.0						55.2		
HS 28L70	Growmark, Inc.	LL	2.8						54.9		
SG-3229R2X	Shur Grow	Xtend	3.2						54.9		

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

TABLE 5: The 2018 Ohio Soybean Performance Trials, Central Region - Early Varieties (RM 2.5-3.3)
CONTINUED FROM PREVIOUS PAGE

Entry			Physical Characteristics				Central Region Yield (bu/ac)				
Brand/Variety	Company Name	Type	RM	Seeds/lb.	% Protein	% Oil	% Fiber	C1	C2	'18 Mean	'17-'18 Mean
W 295	Wellman Seeds, Inc.	CV	2.9						54.8		
SG-3026R2X	Shur Grow	Xtend	3.0						53.7		
W 335	Wellman Seeds, Inc.	CV	3.3						53.4		
W 5926X	Wellman Seeds, Inc.	Xtend	2.6						53.2		
AG27X7	Bayer Crop Science	Xtend	2.7						53.1		
3301RX	Advanced Genetics, Inc.	Xtend	3.3						52.5		
Summit	Ohio Foundation Seeds, Inc.	CV	2.6						52.5		
CZ 2928 LL	Credenz/BASF	LL	2.9						52.1		
HS 27X80	Growmark, Inc.	Xtend	2.7						50.6		
W 4525	Wellman Seeds, Inc.	RR2Y	2.5						50.5		
DB2616R	Seed Consultants, Inc.	RR1	2.6						47.7		
Streeter	Ohio Foundation Seeds, Inc.	CV	3.0						46.1		
SC 8326X™	Seed Consultants, Inc.	Xtend	3.2						45.8		
7279	NuTech Seed, LLC	RR1	2.7						44.5		
		Min	2.5						37.3		
		Max	3.3						68.1		
		Mean	3.0						57.2		
		LSD (0.1)							7.4		
		CV							9.5		

Note: Min, max, mean, LSD, and CV values include experimental cultivars that were not printed in this publication.

TABLE 6: The 2018 Ohio Soybean Performance Trials, Central Region - Late Varieties (RM 3.4-4.1)

Entry			Physical Characteristics				Central Region Yield (bu/ac)				
Brand/Variety	Company Name	Type	RM	Seeds/lb.	% Protein	% Oil	% Fiber	C1	C2	'18 Mean	'17-'18 Mean
AGI 3801RX	Advanced Genetics, Inc.	Xtend	3.8						66.7**		
3386L	NuTech Seed, LLC	LL	3.8						66.4*		
CZ 3601 LL	Credenz/BASF	LL	3.6						64.3*		
LGS3777RX	LG Seeds	Xtend, STS	3.7						64.1*		
3361L	NuTech Seed, LLC	LL	3.6						63.8*		
HS 38X70	Growmark, Inc.	Xtend	3.8						63.1*		
AG38X8	Bayer Crop Science	Xtend	3.8						62.5*		
G3520RX	AgriGold Hybrids	Xtend	3.5						62.3*		
Ebberts 388R2X	Ebberts Field Seeds	Xtend	3.8						62.0*		
AGI 3601RX	Advanced Genetics, Inc.	Xtend	3.6						61.9*		
HS 38L32	Growmark, Inc.	LL	3.8						61.8*		
W 5836X	Wellman Seeds, Inc.	Xtend	3.6						61.8*		
SC 3374LL™	Seed Consultants, Inc.	LL	3.7						61.6*		
G3722RX	AgriGold Hybrids	Xtend	3.7						61.2*		
HS 35X80	Growmark, Inc.	Xtend	3.5						60.7*		
CZ 3841 LL	Credenz/BASF	LL	3.8						60.6*		
S36LL77	Dyna-Gro Seed	LL	3.6						60.6*		
S37XS89	Dyna-Gro Seed	Xtend, STS	3.7						60.4*		
GH3475X	Golden Harvest	Xtend	3.4						59.9*		

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

TABLE 6: The 2018 Ohio Soybean Performance Trials, Central Region - Late Varieties (RM 3.4-4.1)
CONTINUED FROM PREVIOUS PAGE

Entry			Physical Characteristics				Central Region Yield (bu/ac)				
Brand/Variety	Company Name	Type	RM	Seeds/lb.	% Protein	% Oil	% Fiber	C1	C2	'18 Mean	'17-'18 Mean
RS 35XT55	Rupp Seeds, Inc.	Xtend	3.5							59.5	
S36XT09	Dyna-Gro Seed	Xtend	3.6							59.3	
3449R2X	Stewart Seeds	Xtend	3.4							59.3	
HS 34X60	Growmark, Inc.	Xtend	3.4							59.1	
LGS3411RX	LG Seeds	Xtend	3.4							59.0	
AG34X6	Bayer Crop Science	Xtend	3.4							57.8	
S34XT69	Dyna-Gro Seed	Xtend	3.4							57.7	
SCS 9385RR™	Seed Consultants, Inc.	GT	3.8							57.2	
3628R2X	Stewart Seeds	Xtend	3.6							57.2	
DSR-3555/R2Y	Dairyland Seed	RR2Y	3.5							57.0	
Ebberts 368R2X	Ebberts Field Seeds	Xtend	3.6							57.0	
SG-3628R2X	Shur Grow	Xtend	3.6							56.9	
G3602RX	AgriGold Hybrids	Xtend	3.6							56.7	
C3550RX	LG Seeds	Xtend	3.5							56.7	
SG-3729R2X	Shur Grow	Xtend	3.7							56.3	
AGI 36LL01	Advanced Genetics, Inc.	LL	3.6							56.1	
AG36X6	Bayer Crop Science	Xtend	3.6							55.7	
CZ 3548 LL	Credenz/BASF	LL	3.5							55.5	
DB3617X	Seed Consultants, Inc.	Xtend	3.6							55.5	
SC 8379X™	Seed Consultants, Inc.	Xtend	3.7							55.5	
Ebberts 379R2X	Ebberts Field Seeds	Xtend	3.7							55.1	
SG-3428R2X	Shur Grow	Xtend	3.4							54.9	
G3440RX	AgriGold Hybrids	Xtend	3.4							54.6	
C3985RX	LG Seeds	Xtend	3.9							54.2	
39X9	Seed Consultants, Inc.	Xtend	3.9							54.0	
AGI 35RY4	Advanced Genetics, Inc.	RR2Y	3.5							53.6	
S35XT97	Dyna-Gro Seed	Xtend	3.5							53.6	
SC 9367R™	Seed Consultants, Inc.	GT	3.5							53.1	
3343L	NuTech Seed, LLC	LL	3.4							53.0	
GH3546X	Golden Harvest	Xtend	3.5							52.4	
7352X	NuTech Seed, LLC	Xtend	3.5							51.9	
Lorain	Ohio Foundation Seeds, Inc.	CV	3.4							51.3	
W 4339	Wellman Seeds, Inc.	RR2Y	3.9							49.5	
AGI 38RY3	Advanced Genetics, Inc.	RR2Y	3.8							49.0	
3729R2X	Stewart Seeds	Xtend	3.7							48.2	
GH3982X	Golden Harvest	Xtend	3.9							45.4	
		Min	3.4							41.4	
		Max	4.1							66.7	
		Mean	3.7							56.1	
		LSD (0.1)								7.1	
		CV								9.3	

Note: Min, max, mean, LSD, and CV values include experimental cultivars that were not printed in this publication.

TABLE 7: The 2018 Ohio Soybean Performance Trials, South Region - Early Varieties (RM 2.5-3.6)

Entry			Physical Characteristics					South Region Yield (bu/ac)				
Brand/Variety	Company Name	Type	RM	Lodging- S1	Seeds/ lb.	% Protein	% Oil	% Fiber	S1	S2	'18 Mean	'17-'18 Mean
G3520RX	AgriGold Hybrids	Xtend	3.5	0.9					76.2**	76.3*	76.3	69.9
GH3546X	Golden Harvest	Xtend	3.5	1.1					72.8*	78.6**	75.7	
Ebberts 368R2X	Ebberts Field Seeds	Xtend	3.6	0.9					73.6*	73.2*	73.4	68.9
7352X	NuTech Seed, LLC	Xtend	3.5	2.2					69.8*	76.7*	73.3	66.8
G3440RX	AgriGold Hybrids	Xtend	3.4	1.6					69.9*	73.9*	71.9	
S35-K9X	Syngenta	Xtend	3.5	1.5					67.7	76.0*	71.9	
C3550RX	LG Seeds	Xtend	3.5	1.0					72.0*	71.4	71.7	67.8
S34XT69	Dyna-Gro Seed	Xtend	3.4	1.0					65.3	76.3*	70.8	
AG34X6	Bayer Crop Science	Xtend	3.4	1.5					69.4*	72.0*	70.7	67.0
W 5836X	Wellman Seeds, Inc.	Xtend	3.6	2.3					70.8*	68.2	69.5	
SG-3229R2X	Shur Grow	Xtend	3.2	2.3					65.5	73.3*	69.4	
AG36X6	Bayer Crop Science	Xtend	3.6	2.0					72.0*	66.6	69.3	66.5
3361L	NuTech Seed, LLC	LL	3.6	1.5					65.1	73.2*	69.2	67.0
3628R2X	Stewart Seeds	Xtend	3.6	0.9					69.7*	68.2	69.0	67.8
W 5828X	Wellman Seeds, Inc.	Xtend	2.8	1.4					70.7*	67.2	69.0	
W 335	Wellman Seeds, Inc.	CV	3.3	1.0					60.6	76.0*	68.3	
SG-3628R2X	Shur Grow	Xtend	3.6	1.8					63.8	72.6*	68.2	65.3
Ebberts 358R2X	Ebberts Field Seeds	Xtend	3.5	1.1					68.6	67.6	68.1	64.6
W 265	Wellman Seeds, Inc.	CV	2.6	2.3					65.1	71.0	68.1	
CZ 3548 LL	Credenz/BASF	LL	3.5	1.4					63.8	72.2*	68.0	64.8
SC 9339R™	Seed Consultants, Inc.	GT	3.3	2.8					61.5	74.2*	67.9	
Ebberts 339R2X	Ebberts Field Seeds	Xtend	3.3	0.9					62.5	71.5	67.0	
SG-3428R2X	Shur Grow	Xtend	3.4	1.4					67.3	66.7	67.0	
AG32X8	Bayer Crop Science	Xtend	3.2	1.0					64.3	69.6	67.0	63.8
LGS3297RX	LG Seeds	Xtend	3.2	0.9					61.3	71.8	66.6	
G3602RX	AgriGold Hybrids	Xtend	3.6	1.6					63.8	69.2	66.5	
AG33X8	Bayer Crop Science	Xtend	3.3	2.0					67.7	64.7	66.2	64.8
3449R2X	Stewart Seeds	Xtend	3.4	2.5					61.7	70.6	66.2	
SC 9367R™	Seed Consultants, Inc.	GT	3.5	1.3					62.0	70.2	66.1	
W 5833X	Wellman Seeds, Inc.	Xtend	3.3	1.0					64.5	67.3	65.9	65.7
S36XT09	Dyna-Gro Seed	Xtend	3.6	1.5					63.2	68.0	65.6	
LGS3411RX	LG Seeds	Xtend	3.4	1.8					61.7	69.4	65.6	
CZ 3601 LL	Credenz/BASF	LL	3.6	1.5					57.8	73.2*	65.5	65.7
W 295	Wellman Seeds, Inc.	CV	2.9	2.3					59.4	69.8	64.6	
W 5932X	Wellman Seeds, Inc.	Xtend	3.2	2.3					61.7	67.4	64.6	
S35XT97	Dyna-Gro Seed	Xtend	3.5	1.7					63.3	65.2	64.3	64.5
W 4732	Wellman Seeds, Inc.	RR2Y	3.2	3.0					58.9	67.4	63.2	62.8
W 4525	Wellman Seeds, Inc.	RR2Y	2.5	2.3					61.3	64.4	62.9	
CZ 3233 LL	Credenz/BASF	LL	3.2	2.3					53.0	72.1*	62.6	
3343L	NuTech Seed, LLC	LL	3.4	1.8					60.1	61.4	60.8	56.2
W 4333	Wellman Seeds, Inc.	RR2Y	3.3	2.8					53.9	62.8	58.4	61.5
W 5926X	Wellman Seeds, Inc.	Xtend	2.6	3.6					47.0	63.3	55.2	
	Min		2.5	0.9					44.8	51.6	48.2	
	Max		3.6	3.8					76.2	78.6	76.3	
	Mean		3.3	1.8					63.7	69.5	66.6	
	LSD (0.1)								7.2	6.7		
	CV								9.7	8.2		

Note: Min, max, mean, LSD, and CV values include experimental cultivars that were not printed in this publication.

TABLE 8: The 2018 Ohio Soybean Performance Trials, South Region - Late Varieties (RM 3.7-4.4)

Entry			Physical Characteristics							South Region Yield (bu/ac)			
Brand/Variety	Company Name	Type	Lodging-		Seeds/ lb.	% Protein	% Oil	% Fiber	S1	S2	'18 Mean	'17-'18 Mean	
			RM	S1									
LGS3777RX	LG Seeds	Xtend, STS	3.7	1.4	1.5				66.4*	80.3**	73.4		
C3985RX	LG Seeds	Xtend	3.9	1.0	1.2				64.3*	77.9*	71.1	67.8	
CZ 4105 LL	Credenz/BASF	LL	4.1	1.2	0.0				62.1	80.1*	71.1	68.6	
SC 8379X TM	Seed Consultants, Inc.	Xtend	3.7	1.0	0.0				70.8**	71.4	71.1		
G3722RX	AgriGold Hybrids	Xtend	3.7	2.7	1.5				65.4*	75.9*	70.7		
S37XS89	Dyna-Gro Seed	Xtend, STS	3.7	1.4	1.3				68.7*	70.6	69.7		
3386L	NuTech Seed, LLC	LL	3.8	1.2	1.3				62.6	76.4*	69.5	68.3	
SG-3729R2X	Shur Grow	Xtend	3.7	1.7	1.2				65.2*	73.2*	69.2		
AG39X7	Bayer Crop Science	Xtend	3.9	1.2	1.8				65.9*	72.4*	69.2	66.5	
4029R2X	Stewart Seeds	Xtend	4.0	1.7	0.8				63.4*	74.8*	69.1		
CZ 3841 LL	Credenz/BASF	LL	3.8	2.0	1.9				64.4*	72.0*	68.2	67.4	
G4190RX	AgriGold Hybrids	Xtend	4.1	2.0	2.0				60.7	72.7*	66.7		
Ebberts 388R2X	Ebberts Field Seeds	Xtend	3.8	2.3	0.0				62.4	69.7	66.1	65.4	
7387X	NuTech Seed, LLC	Xtend	3.8	1.5	1.3				66.0*	66.1	66.1	64.1	
AG38X8	Bayer Crop Science	Xtend	3.8	1.0	2.9				62.0	69.2	65.6	65.0	
G3980RX	AgriGold Hybrids	Xtend	3.9	1.3	2.0				61.0	70.2	65.6	66.6	
SC 3374LL TM	Seed Consultants, Inc.	LL	3.7	2.0	0.9				53.6	76.8*	65.2		
Ebberts 379R2X	Ebberts Field Seeds	Xtend	3.7	1.3	0.9				63.7*	65.6	64.7		
S41XS98	Dyna-Gro Seed	Xtend, STS	4.1	2.4	1.3				56.0	73.0*	64.5	65.6	
AG41X8	Bayer Crop Science	Xtend	4.1	2.0	1.4				57.8	71.1	64.5	63.5	
S39-R9X	Syngenta	Xtend	3.9	2.0	0.9				55.9	65.9	60.9		
3729R2X	Stewart Seeds	Xtend	3.7	1.6	1.7				57.0	64.2	60.6		
SCS 9385RR TM	Seed Consultants, Inc.	GT	3.8	1.6	1.5				53.2	67.9	60.6	62.2	
S3805N	Dyna-Gro Seed	CV	3.8	2.2	2.2				55.2	65.7	60.5	61.4	
W 4339	Wellman Seeds, Inc.	RR2Y	3.9	1.9	2.0				54.3	64.1	59.2	61.5	
7410X	NuTech Seed, LLC	Xtend	4.1	2.0	2.2				52.1	65.3	58.7	60.0	
S40LL35	Dyna-Gro Seed	LL	4.0	1.9	1.5				51.9	63.7	57.8		
CZ 4308 LL	Credenz/BASF	LL	4.3	2.2	2.7				46.6	65.7	56.2		
S4209N	Dyna-Gro Seed	CV	4.2	1.7	1.5				43.6	65.8	54.7		
GH3982X	Golden Harvest	Xtend	3.9	1.4	2.2				49.6	59.1	54.4	57.8	
S39XT08	Dyna-Gro Seed	Xtend	3.9	1.7	1.3				52.5	55.6	54.1	58.0	
S13-3851C	University of Missouri	CV	4.4	2.2	2.2				41.3	62.9	52.1		
Clermont	Ohio Foundation Seeds, Inc.	CV	3.9	3.2	3.5				42.6	52.4	47.5	52.3	
		Min	3.7	1.0	0.0				38.4	47.5	45.5		
		Max	4.4	3.5	3.7				70.8	80.3	73.4		
		Mean	3.9	1.9	1.8				55.4	66.4	60.9		
		LSD (0.1)							7.8	8.4			
		CV							12.0	10.8			

Note: Min, max, mean, LSD, and CV values include experimental cultivars that were not printed in this publication.

TABLE 9: The 2018 Ohio Soybean Performance Trials, South Region - Enlist Trial (RM 2.8-3.9)

Entry			Physical Characteristics						South Region Yield (bu/ac)			
Brand/Variety	Company Name	Type	RM	Lodging- S1	Lodging- S2	Seeds/lb.	% Protein	% Oil	% Fiber	S1	S2	'18 Mean
W 6939E	Wellman Seeds, Inc.	Enlist	3.9	2.5	1.4					69.0**	76.5*	72.8
W 6933E	Wellman Seeds, Inc.	Enlist	3.3	1.5	1.1					52.4	75.6*	64.0
W 6928E	Wellman Seeds, Inc.	Enlist	2.8	2.3	0.6					54.0	73.5*	63.8
W 6937E	Wellman Seeds, Inc.	Enlist	3.7	1.5	0.4					45.5	77.3**	61.4
W 6930E	Wellman Seeds, Inc.	Enlist	3.0	2.5	2.1					43.7	54.3	49.0
		Min	2.8	1.5	0.4					43.7	54.3	49.0
		Max	3.9	2.5	2.4					69.0	77.3	72.8
		Mean	3.3	2.1	1.4					56.8	71.7	64.2
		LSD (0.1)								11.8	8.3	
		CV								16.9	9.5	

Note: Min, max, mean, LSD, and CV values include experimental cultivars that were not printed in this publication.