



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 except the N1 location where winter wheat 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). 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 Grouping	Table
Conventional, Liberty Link, Roundup Ready, Xtend	North	Early (2.1-3.0)	Table 3
		Late (3.1-3.9)	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

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. 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. There was no lodging at the other locations.

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 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	Oct. 18 (early trial); Oct. 19 (late trial)	Oct. 23	Oct. 21	Oct. 12	Oct. 3	Oct. 1

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	Seed Trt	RM	Type	Table #	Variety	Seed Trt	RM	Type	Table #	Variety	Seed Trt	RM	Type	Table #
LG Seeds					Seed Consultants, Inc.					NK SEEDS/SYNGENTA				
9915 W M21 989-834-2251 lgseeds.com					648 Miami Trace Rd. 800-708-2676 Washington Court House, OH 43160 seedconsultants.com					11055 Wayzata Blvd. 612-656-8600 Minnetonka, MN 55305 syngenta.com				
LGS2444RX	AG+IL	2.4	Xtend	3	DB2616R	DPH	2.6	RR1	3	S27-M8X	CC+M	2.7	Xtend	3
LGS2759RX	AG+IL	2.7	Xtend	3, 5	28X9	DPH	2.8	Xtend	3	S29-K3X	CC+M	2.9	Xtend	3
C2888RX	AG+IL	2.8	Xtend	3, 5	30R8	DPH	3.0	RR1	3	S30-M9X	CC+M	3.0	Xtend	3
LGS3297RX	AG+IL	3.2	Xtend	4, 5, 7	DB3617X	DPH	3.6	Xtend	4	S31-Y2X	CC+M	3.1	Xtend	5
LGS3411EX	AG+IL	3.4	Xtend	4, 6, 7	39X9	DPH	3.9	Xtend	4, 6	S33-D7X	CC+M	3.3	Xtend	5
C3550RX	AG+IL	3.5	Xtend	4, 6, 7	SC 8279X™	TT+L	2.7	Xtend	3	S34-T2X	CC+M	3.4	Xtend	6
LGS3777RX	AG+IL	3.7	Xtend/ STS	4, 6, 8	SC 9318R™	TT+L	3.1	GT	4, 5	S35-K9X	CC+M	3.5	Xtend	7
C3985RX	AG+IL	3.9	Xtend	6, 8	SC 8326X™		3.2	Xtend	5	S39-R9X	CC+M	3.9	Xtend	8
NuTech Seed, LLC					University of Missouri									
2321 North Loop Dr., Suite 120 800-942-6748 Ames, IA 50010 yieldleader.com					SC 9339R™ 3.3 GT 4, 5, 7					PO Box 160, 147 St Hwy T Portageville, MO 63873				
3252L	SC	2.5	LL	3	SC 9367R™	TT+L	3.6	GT	6, 7	S13-3851C CR+A+IL 4.4 CV 8				
7253	SC	2.5	RR1	3, 5	SC 3374LL™	TT+L	3.7	LL	6, 8	Wellman Seeds, Inc.				
7279	SC	2.7	RR1	3, 5	SC 8379X™	TT+L+IL	3.7	Xtend	6, 8	23778 Jennings Delphos Rd. 800-717-7333 Delphos, OH 45833 wellmanseeds.com				
7287X	SC	2.8	Xtend	3, 5	SCS 9385RR™	TT+L	3.8	GT	6, 8	W 4525 EN 2.5 RR2Y 3, 5, 7				
3309L	SC	3.0	LL	3, 5	Seedway LLC					W 5926X EN 2.6 Xtend 3, 5, 7				
7317	SC	3.1	RR1	4, 5	275 North Eight St. 800-338-2137 Mifflinburg, PA 17844 seedway.com					W 265 EN 2.6 CV 3, 5, 7				
3321L	SC	3.2	LL	4, 5	SG2832XT	AC+TL	2.8	Xtend	3	W 5828X EN 2.8 Xtend 3, 5, 7				
3343L	SC	3.4	LL	4, 6, 7	SG3042XT	AC+TL	3.0	Xtend	4	W 295 EN 2.9 CV 3, 5, 7				
7352X	SC	3.5	Xtend	6, 7	SG3494XT	AC+TL	3.4	Xtend	4	W 4732 EN 3.2 RR2Y 4, 5, 7				
3361L	SC	3.6	LL	6, 7	SG3783XT	AC+TL	3.7	Xtend	4	W 5932X EN 3.2 Xtend 4, 5, 7				
7387X	SC	3.8	Xtend	8	Shur Grow					W 335 EN 3.3 CV 4, 5, 7				
3386L	SC	3.8	LL	6, 8	11177 Twp. Rd. 133 800-231-7333 West Mansfield, OH 43358 heritagecooperative.com					W 4333 EN 3.3 RR2Y 4, 5, 7				
7410X	SC	4.1	Xtend	8	SG-2728R2X	W	2.7	Xtend	3, 5	W 5833X EN 3.3 Xtend 4, 5, 7				
Ohio Foundation Seeds, Inc.					SG-2929R2X	None	2.9	Xtend	3, 5	W 5836X EN 3.6 Xtend 4, 6, 7				
11491 Foundation Rd./Box 6 740-893-2501 Croton, OH 43013					SG-3026R2X	WR	3.0	Xtend	3, 5	W 4339 EN 3.9 RR2Y 4, 6, 8				
Summit	IS	2.6	CV	3, 5	SG-3229R2X	MA+A	3.2	Xtend	4, 5, 7	Seed Treatments				
Wyandot 14	IS	2.9	CV	3, 5	SG-3428R2X	WR	3.4	Xtend	4, 6, 7	A- Apron XL IL- ILeVO				
Illini2904N	IS	2.9	CV	5	SG-3628R2X	W	3.6	Xtend	6, 7	AC- Acceleron IS- Intego Suite				
Streeter	IS	3.0	CV	3, 5	SG-3729R2X	MA+A	3.7	Xtend	6, 8	AG- AgriShield F+I L- Lumisena				
Lorain	IS	3.4	CV	4, 6	Stewart Seeds					AGN- AgriShield F+I+N MA- Maxim 4FS				
Clermont	IS	3.9	CV	8	2230 CR E 300 N 800-365-SEED Greensburg, IN 47240 stewartseeds.com					AL- Allegiance M- Mertect				
Rupp Seeds, Inc.					2949R2X	AC	2.9	Xtend	3	C- Clariva OP- Optimize				
17919 Co. Rd. B 877-591-7333 Wauseon, OH 43567 ruppseeds.com					3029R2X	AC	3.0	Xtend	3, 5	CC- Clariva Complete PV- Poncho/Votivo				
RS 21XT18	CM	2.1	Xtend	3	3337R2X	AC	3.3	Xtend	4, 5	CM- CruiserMaxx R- Rizolex Fungicide				
RS 28XT37	CM	2.8	Xtend	3	3449R2X	AC	3.4	Xtend	4, 6, 7	DPH- DPH Boost SC- SmartCote Surpeme				
RS 31XT40	CM	3.1	Xtend	4, 5	3628R2X	AC	3.6	Xtend	4, 6, 7	EC- EclipseUS Duo TL- Tag Team LCO XC				
RS 35XT55	CM	3.5	Xtend	6	3729R2X	AC	3.7	Xtend	4, 6, 8	EN- Encase TT- Turbo Treat				
					4029R2X	AC	4.0	Xtend	8	EQ- Equity VIP V- Varnimo- ST				
										EV- EvergolEnergy W- Warden CX				
										FL- Flo Rite 1706 WR- Warden RTA				
										G- Gaucho				
										Type				
										CV- Conventional (non-GMO)				
										GT- Glyphosate Tolerant				
										LL- Liberty Link				
										RR1- Roundup Ready				
										RR2Y- Roundup Ready 2 Yield				
										STS- Sulfonyl-Urea Tolerant Soybean				

TABLE 3: The 2018 Ohio Soybean Performance Trials, North Region - Early Varieties (RM 2.1-3.0)

Variety	Entry Brand/Company Name	Type	Physical Characteristics				North Region Yield (bu/acre)			
			RM	Seeds/lb.	% Protein	% Oil	N1	N2	'18 Mean	'17-'18 Mean
28X9	Seed Consultants, Inc.	Xtend	2.8	3000	37.3	18.4	68.1*	66.2**	67.2	
RS 28XT37	Rupp Seeds, Inc.	Xtend	2.8	3109	35.7	18.4	69.2*	65.0*	67.1	
SC 8279X™	Seed Consultants, Inc.	Xtend	2.7	2555	37.5	18.3	69.9*	63.8*	66.9	
7287X	NuTech Seed, LLC	Xtend	2.8	2583	36.5	18.9	68.9*	62.3*	65.6	
GH3088X	Golden Harvest	Xtend	3.0	3067	35.3	20.1	66.7*	63.3*	65.0	
HS 28X70	Growmark, Inc.	Xtend	2.8	3000	36.0	18.5	70.0**	59.3	64.7	53.7
7279	NuTech Seed, LLC	RR1	2.7	2596	36.4	19.3	67.0*	62.0*	64.5	53.3
3252L	NuTech Seed, LLC	LL	2.5	2791	35.7	20.0	64.2	64.7*	64.5	56.2
SG-2629R2X	Shur Grow	Xtend	2.6	3069	36.2	18.7	64.4	64.1*	64.3	
G2900RX	AgriGold Hybrids	Xtend	2.9	2762	36.3	18.4	65.8*	62.4*	64.1	57.1
DB2616R	Seed Consultants, Inc.	RR1	2.6	2752	37.2	19.4	66.0*	61.9*	64.0	
C2888RX	LG Seeds	Xtend	2.8	2840	36.6	18.2	68.2*	59.2	63.7	53.6
30R8	Seed Consultants, Inc.	RR1	3.0	2739	34.9	19.7	63.7	63.1*	63.4	
SG-2929R2X	Shur Grow	Xtend	2.9	2823	36.8	18.8	65.4	61.3	63.4	
SG-2728R2X	Shur Grow	Xtend	2.7	2925	35.8	19.0	66.2*	60.4	63.3	56.1
W 5828X	Wellman Seeds, Inc.	Xtend	2.8	2923	35.6	19.3	67.1*	59.4	63.3	58.2
SG2832XT	Seedway LLC	Xtend	2.8	2955	35.9	18.4	68.6*	56.9	62.8	
CZ 2312 LL	Credenz/BASF	LL	2.3	3179	36.5	18.3	63.7	61.2	62.5	
CZ 2810 LL	Credenz/BASF	LL	2.8	3030	36.4	18.6	61.5	63.2*	62.4	56.1
S30-M9X	NK Seeds/Syngenta	Xtend	3.0	3026	35.6	19.5	64.2	60.3	62.3	
CZ 2408 LL	Credenz/BASF	LL	2.4	2986	35.5	19.6	60.4	63.8*	62.1	
AG26X8	Asgrow/Bayer Crop Science	Xtend	2.6	2842	36.4	18.8	64.9	59.2	62.1	50.7
W 295	Wellman Seeds, Inc.	CV	2.9	2673	38.5	17.7	65.1	58.6	61.9	57.5
GH2981X	Golden Harvest	Xtend	2.9	2719	36.1	19.2	65.7*	57.8	61.8	57.2
HS 28L70	Growmark, Inc.	LL	2.8	2994	37.2	18.3	60.9	62.5*	61.7	
2949R2X	Stewart Seeds	Xtend	2.9	3249	35.9	19.0	65.8*	57.6	61.7	
29LL01	Advanced Genetics, Inc.	LL	2.9	3071	36.4	18.6	61.8	61.4	61.6	
AG30X8	Asgrow/Bayer Crop Science	Xtend	3.0	2862	36.2	19.0	69.2*	53.5	61.4	57.0
S30XT96	Dyna-Gro Seed	Xtend	3.0	3020	37.3	18.0	65.7*	56.6	61.2	57.2
27M05	Advanced Genetics, Inc.	RR1	2.7	3081	36.4	18.9	62.9	59.2	61.1	57.9
S28XT58	Dyna-Gro Seed	Xtend	2.8	2925	35.8	18.5	66.7*	55.3	61.0	54.3
AG21X7	Asgrow/Bayer Crop Science	Xtend	2.1	3088	35.2	18.6	64.6	57.2	60.9	
S2908N	Dyna-Gro Seed	CV	2.9	2904	37.3	18.6	64.8	56.8	60.8	53.7
S29-K3X	NK Seeds/Syngenta	Xtend	2.9	2687	36.3	18.3	64.5	56.7	60.6	59.6
W 5926X	Wellman Seeds, Inc.	Xtend	2.6	3400	33.7	20.0	63.4	57.8	60.6	
SG-3026R2X	Shur Grow	Xtend	3.0	3079	37.5	17.7	65.4	55.4	60.4	56.7
W 265	Wellman Seeds, Inc.	CV	2.6	2754	37.0	18.4	62.1	58.2	60.2	
AG27X7	Asgrow/Bayer Crop Science	Xtend	2.7	3541	36.4	18.9	63.0	57.2	60.1	56.1
CZ 2928 LL	Credenz/BASF	LL	2.9	3277	36.9	18.3	62.6	57.4	60.0	
LGS2759RX	LG Seeds	Xtend	2.7	2838	34.8	18.8	65.7*	54.2	60.0	
Streeter	Ohio Foundation Seeds, Inc.	CV	3.0	2895	37.1	18.8	64.1	55.8	60.0	51.2
CZ 2601 LL	Credenz/BASF	LL	2.6	2904	36.0	19.3	59.9	59.9	59.9	53.9
S27-M8X	NK Seeds/Syngenta	Xtend	2.7	3263	35.9	18.8	65.2	54.5	59.9	47.1
3029R2X	Stewart Seeds	Xtend	3.0	3006	35.2	19.6	61.5	58.1	59.8	
DSR-3028/R2Y	Dairyland Seed	RR2Y	3.0	2687	37.0	18.0	64.6	54.7	59.7	53.7
Summit	Ohio Foundation Seeds, Inc.	CV	2.6	2582	35.6	19.7	64.4	54.8	59.6	55.0
HS 25X70	Growmark, Inc.	Xtend	2.5	2919	35.4	20.1	60.4	58.3	59.4	57.9
30M08	Advanced Genetics, Inc.	RR1	3.0	3313	—	—	64.3	54.1	59.2	54.6
G3098RX	AgriGold Hybrids	Xtend	3.0	2906	36.1	18.4	63.5	54.1	58.8	
7253	NuTech Seed, LLC	RR1	2.5	2458	—	—	60.6	57.0	58.8	
HS 27X80	Growmark, Inc.	Xtend	2.7	2769	34.9	20.2	64.6	52.8	58.7	
W 4525	Wellman Seeds, Inc.	RR2Y	2.5	3224	36.1	18.6	63.1	53.7	58.4	

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

TABLE 3: The 2018 Ohio Soybean Performance Trials, North Region - Early Varieties (RM 2.1-3.0)
CONTINUED FROM PREVIOUS PAGE

Variety	Entry Brand/Company Name	Type	Physical Characteristics				North Region Yield (bu/acre)			
			RM	Seeds/lb.	% Protein	% Oil	N1	N2	'18 Mean	'17-'18 Mean
DSR-2909/R2Y	Dairyland Seed	RR2Y	2.9	2724	35.7	20.0	62.7	53.9	58.3	51.5
31M04	Advanced Genetics, Inc.	RR1	3.1	—	—	—	62.5	53.9	58.2	
3309L	NuTech Seed, LLC	LL	3.0	3869	35.5	18.7	62.7	53.6	58.2	52.6
26RY2	Advanced Genetics, Inc.	RR2Y	2.6	3280	35.9	18.4	62.3	55.9	57.2	57.7
2601RX	Advanced Genetics, Inc.	Xtend	2.6	3360	36.6	17.5	61.8	52.1	57.0	54.2
RS 21XT18	Rupp Seeds, Inc.	Xtend	2.1	2302	—	—	59.9	54.0	57.0	
HS 28C70	Growmark, Inc.	CV	2.8	2589	37.0	19.2	57.5	55.7	56.6	52.7
LGS2444RX	LG Seeds	Xtend	2.4	2955	36.3	18.5	65.6*	46.9	56.3	
Wyandot 14	Ohio Foundation Seeds, Inc.	CV	2.9	2381	37.6	19.0	57.9	52.0	55.0	49.2
		Min	2.1	2302	33.7	17.5	57.5	46.9	55.0	
		Max	3.0	3869	38.5	20.2	70.0	66.2	67.2	
		Mean	2.7	2944	36.2	18.8	64.3	58.1	61.2	
		LSD (0.1)					4.5	4.7		
		CV					5.9	6.9		

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

TABLE 4: The 2018 Ohio Soybean Performance Trials, North Region - Late Varieties (RM 3.1-3.9)

Variety	Entry Brand/Company Name	Type	Physical Characteristics				North Region Yield (bu/acre)			
			RM	Seeds/lb.	% Protein	% Oil	N1	N2	'18 Mean	'17-'18 Mean
S3305N	Dyna-Gro Seed	CV	3.3	3163	36.7	18.7	74.3*	67.8**	71.1	58.0
Ebberts 388R2X	Ebberts Field Seeds	Xtend	3.8	2835	37.3	18.1	76.6**	62.4	69.5	
SC 9339R™	Seed Consultants, Inc.	GT	3.3	2427	34.7	19.9	75.7*	62.4	69.1	
AG38X8	Asgrow/Bayer Crop Science	Xtend	3.8	2751	35.6	18.7	71.6	65.4*	68.5	56.0
LGS3777RX	LG Seeds	Xtend, STS	3.7	2634	37.1	18.2	73.8*	61.0	67.4	
HS 38X70	Growmark, Inc.	Xtend	3.8	2980	37.0	18.0	73.0*	57.6	65.3	60.4
GH3546X	Golden Harvest	Xtend	3.5	2684	35.5	18.7	65.7	64.5*	65.1	56.4
Ebberts 368R2X	Ebberts Field Seeds	Xtend	3.6	2577	36.6	18.8	71.6	57.8	64.7	54.2
3449R2X	Stewart Seeds	Xtend	3.4	2741	35.5	18.8	69.0	59.9	64.5	
W 5932X	Wellman Seeds, Inc.	Xtend	3.2	2752	36.9	17.7	69.0	58.5	63.8	
3601RX	Advanced Genetics, Inc.	Xtend	3.6	2679	35.9	19.2	68.4	58.6	63.5	
CZ 3601 LL	Credenz/BASF	LL	3.6	2631	35.6	19.3	69.4	57.4	63.4	53.0
G3520RX	AgriGold Hybrids	Xtend	3.5	3128	36.8	18.7	69.8	56.8	63.3	53.1
LGS3411RX	LG Seeds	Xtend	3.4	2742	35.1	19.4	66.8	59.8	63.3	
S34XT69	Dyna-Gro Seed	Xtend	3.4	2921	37.2	18.5	71.6	54.8	63.2	
7317	NuTech Seed, LLC	RR1	3.1	2807	36.2	19.2	60.1	66.2*	63.2	52.8
AG36X6	Asgrow/Bayer Crop Science	Xtend	3.6	3057	35.5	19.3	67.1	59.1	63.1	55.9
W 5836X	Wellman Seeds, Inc.	Xtend	3.6	2676	36.0	18.9	66.4	59.6	63.0	56.5
HS 33X80	Growmark, Inc.	Xtend	3.3	2957	37.0	18.4	69.4	56.2	62.8	
31CN07	Advanced Genetics, Inc.	CV	3.1	2858	37.2	17.8	65.7	59.9	62.8	56.3
S33RY76	Dyna-Gro Seed	RR2Y	3.3	3028	36.1	18.5	69.3	56.1	62.7	57.2
S31XT59	Dyna-Gro Seed	Xtend	3.1	2695	35.6	19.7	64.1	61.3	62.7	
3337R2X	Stewart Seeds	Xtend	3.3	2970	37.5	17.2	69.7	55.2	62.5	54.0
SG3494XT	Seedway LLC	Xtend	3.4	3238	36.9	18.6	64.5	60.3	62.4	
W 4339	Wellman Seeds, Inc.	RR2Y	3.9	2906	35.5	19.3	68.5	56.3	62.4	59.9
3301RX	Advanced Genetics, Inc.	Xtend	3.3	2891	37.1	18.3	67.0	57.7	62.4	
3729R2X	Stewart Seeds	Xtend	3.7	2942	34.9	19.0	66.5	57.4	62.0	
GH3195X	Golden Harvest	Xtend	3.1	2882	35.8	19.0	67.7	55.9	61.8	54.1
G3440RX	AgriGold Hybrids	Xtend	3.4	2807	37.0	18.7	66.5	57.0	61.8	

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

TABLE 4: The 2018 Ohio Soybean Performance Trials, North Region - Late Varieties (RM 3.1-3.9)
CONTINUED FROM PREVIOUS PAGE

Entry			Physical Characteristics				North Region Yield (bu/acre)			
Variety	Brand/Company Name	Type	RM	Seeds/lb.	% Protein	% Oil	N1	N2	'18 Mean	'17-'18 Mean
DSR-3250/R2Y	Dairyland Seed	RR2Y	3.2	2660	36.5	18.6	65.1	58.3	61.7	54.8
S33XT79	Dyna-Gro Seed	Xtend	3.3	2821	34.8	19.7	65.3	58.0	61.7	
HS 35X80	Growmark, Inc.	Xtend	3.5	2898	35.8	18.4	63.4	59.9	61.7	
HS 32L60	Growmark, Inc.	LL	3.2	2716	36.4	19.6	62.7	60.4	61.6	55.9
CZ 3118 LL	Credenz/BASF	LL	3.1	2805	36.3	19.2	62.3	60.6	61.5	52.9
CZ 3548 LL	Credenz/BASF	LL	3.5	3028	34.7	19.9	65.0	57.8	61.4	56.5
SC 9367R TM	Seed Consultants, Inc.	GT	3.5	—	—	—	64.4	58.2	61.3	
HS 34X60	Growmark, Inc.	Xtend	3.4	2837	36.4	19.2	65.7	56.9	61.3	53.1
SG3783XT	Seedway LLC	Xtend	3.7	2790	38.0	18.4	68.9	53.5	61.2	
DSR-3555/R2Y	Dairyland Seed	RR2Y	3.5	2732	36.3	17.8	65.2	57.1	61.2	54.5
W 4333	Wellman Seeds, Inc.	RR2Y	3.3	3192	36.3	18.8	65.8	56.3	61.1	53.8
C3550RX	LG Seeds	Xtend	3.5	2719	36.2	18.9	68.5	53.5	61.0	55.1
AG34X6	Asgrow/Bayer Crop Science	Xtend	3.4	3212	35.5	18.8	66.7	55.0	60.9	53.6
G3285RX	AgriGold Hybrids	Xtend	3.2	2671	37.0	18.2	62.7	58.8	60.8	
39X9	Seed Consultants, Inc.	Xtend	3.9	—	—	—	64.3	57.1	60.7	
SG-3229R2X	Shur Grow	Xtend	3.2	2686	—	—	62.8	58.4	60.6	
HS 32C80	Growmark, Inc.	CV	3.2	2957	35.9	18.9	66.7	54.4	60.6	
3628R2X	Stewart Seeds	Xtend	3.6	2910	36.7	19.0	68.0	53.0	60.5	52.8
Ebberts 379R2X	Ebberts Field Seeds	Xtend	3.7	2821	37.4	18.0	65.5	55.1	60.3	
W 5833X	Wellman Seeds, Inc.	Xtend	3.3	2830	36.4	18.4	66.4	54.1	60.3	53.8
RS 31XT40	Rupp Seeds, Inc.	Xtend	3.1	2851	36.1	18.5	64.2	56.0	60.1	
DB3617X	Seed Consultants, Inc.	Xtend	3.6	3014	35.6	18.7	64.2	56.0	60.1	
SG-3428R2X	Shur Grow	Xtend	3.4	2871	36.5	19.1	67.4	52.7	60.1	
LGS3297RX	LG Seeds	Xtend	3.2	2823	36.5	18.4	62.0	58.1	60.1	
3343L	NuTech Seed, LLC	LL	3.4	2742	36.1	18.5	64.4	55.5	60.0	52.8
CZ 3233 LL	Credenz/BASF	LL	3.2	2990	35.2	18.8	63.7	55.5	59.6	
AG32X8	Asgrow/Bayer Crop Science	Xtend	3.2	2778	36.4	18.0	62.5	55.8	59.2	52.0
Ebberts 319R2X	Ebberts Field Seeds	Xtend	3.1	2756	—	—	64.3	54.0	59.2	
HS 32X80	Growmark, Inc.	Xtend	3.2	2957	36.0	18.4	62.9	55.3	59.1	
3321L	NuTech Seed, LLC	LL	3.2	3059	35.9	18.9	63.6	54.5	59.1	
SC 9318R TM	Seed Consultants, Inc.	GT	3.1	3077	35.8	19.4	54.0	63.8	58.9	49.5
Ebberts 339R2X	Ebberts Field Seeds	Xtend	3.3	2817	37.0	18.4	63.9	53.5	58.7	
Lorain	Ohio Foundation Seeds, Inc.	CV	3.4	2791	36.0	18.8	61.1	55.9	58.5	52.4
HS 34C80	Growmark, Inc.	CV	3.4	2831	35.7	19.1	60.5	56.3	58.4	
HS 38L32	Growmark, Inc.	LL	3.8	2646	36.2	19.0	64.5	52.2	58.4	52.1
W 4732	Wellman Seeds, Inc.	RR2Y	3.2	2676	—	—	63.7	52.7	58.2	51.6
W 335	Wellman Seeds, Inc.	CV	3.3	2531	36.0	18.9	63.1	53.3	58.2	
SG3042XT	Seedway LLC	Xtend	3.0	3165	36.3	17.8	63.5	51.0	57.3	
G3602RX	AgriGold Hybrids	Xtend	3.6	2595	37.2	17.5	63.9	50.2	57.1	
AG33X8	Asgrow/Bayer Crop Science	Xtend	3.3	2823	—	—	61.2	50.9	56.1	50.1
SC 8326X TM	Seed Consultants, Inc.	Xtend	3.2	—	—	—	59.8	50.4	55.1	
		Min	3.1	2477	34.7	17.2	54.0	50.2	55.1	
		Max	3.9	3238	38.0	19.9	76.6	67.8	71.1	
		Mean	3.4	2837	36.2	18.7	66.0	57.2	61.6	
		LSD (0.1)					3.6	3.9		
		CV					4.7	5.8		

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

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

Variety	Entry		Physical Characteristics				Central Region Yield (bu/ac)			
	Brand/Company Name	Type	RM	Seeds/lb.	% Protein	% Oil	C1	C2	'18 Mean	'17-'18 Mean
SC 9339R™	Seed Consultants, Inc.	GT	3.3	2427	34.7	19.9	64.3*	66.3*	65.3	
HS 28X70	Growmark, Inc.	Xtend	2.8	3000	36.0	18.5	64.8**	63.4*	64.1	59.9
G2900RX	AgriGold Hybrids	Xtend	2.9	2762	36.3	18.4	60.0*	68.1**	64.1	58.7
S3305N	Dyna-Gro Seed	CV	3.3	3163	36.7	18.7	62.8*	65.2*	64.0	61.1
3321L	NuTech Seed, LLC	LL	3.2	3059	35.9	18.9	64.1*	62.9*	63.5	
S28XT58	Dyna-Gro Seed	Xtend	2.8	2925	35.8	18.5	60.5*	66.3*	63.4	60.1
S31XT59	Dyna-Gro Seed	Xtend	3.1	2695	35.6	19.7	58.4	65.9*	62.2	
CZ 2601 LL	Credenz/BASF	LL	2.6	2904	36.0	19.3	58.3	65.2*	61.8	
C2888RX	LG Seeds	Xtend	2.8	2840	36.6	18.2	58.6	64.7*	61.7	
LGS3297RX	LG Seeds	Xtend	3.2	2823	36.5	18.4	61.4*	61.0*	61.2	
7287X	NuTech Seed, LLC	Xtend	2.8	2583	36.5	18.9	63.3*	59.1	61.2	
SG-2728R2X	Shur Grow	Xtend	2.7	2925	35.8	19.0	61.8*	60.6	61.2	
CZ 3233 LL	Credenz/BASF	LL	3.2	2990	35.2	18.8	63.3*	58.8	61.1	
HS 32L60	Growmark, Inc.	LL	3.2	2716	36.4	19.6	62.5*	59.4	61.0	57.5
S33XT79	Dyna-Gro Seed	Xtend	3.3	2821	34.8	19.7	61.6*	59.6	60.6	
GH3195X	Golden Harvest	Xtend	3.1	2882	35.8	19.0	58.7	62.5*	60.6	
S31-Y2X	NK Seeds/Syngenta	Xtend	3.1	2737	36.4	19.1	59.4	61.6*	60.5	57.9
W 5932X	Wellman Seeds, Inc.	Xtend	3.2	2752	36.9	17.7	58.3	61.8*	60.1	
CZ 3118 LL	Credenz/BASF	LL	3.1	2805	36.3	19.2	61.8*	58.2	60.0	58.0
7317	NuTech Seed, LLC	RR1	3.1	2807	36.2	19.2	63.9*	56.0	60.0	57.6
SG-2929R2X	Shur Grow	Xtend	2.9	2823	36.8	18.8	61.2*	58.7	60.0	
SG-2629R2X	Shur Grow	Xtend	2.6	3069	36.2	18.7	63.0*	56.7	59.9	
GH3088X	Golden Harvest	Xtend	3.0	3067	35.3	20.1	60.1*	59.4	59.8	
3029R2X	Stewart Seeds	Xtend	3.0	3006	35.2	19.6	59.1	60.0	59.6	
HS 25X70	Growmark, Inc.	Xtend	2.5	2919	35.4	20.1	57.1	61.7*	59.4	56.9
HS 33X80	Growmark, Inc.	Xtend	3.3	2690	37.0	18.4	58.6	59.8	59.2	
CZ 2810 LL	Credenz/BASF	LL	2.8	3030	36.4	18.6	60.8*	57.5	59.2	57.7
Ebberts 319R2X	Ebberts Field Seeds	Xtend	3.1	2756	—	—	53.3	64.9*	59.1	
W 5828X	Wellman Seeds, Inc.	Xtend	2.8	2923	35.6	19.3	53.9	64.0*	59.0	54.7
AG32X8	Asgrow/Bayer Crop Science	Xtend	3.2	2778	36.4	18.0	58.4	59.0	58.7	56.9
AG33X8	Asgrow/Bayer Crop Science	Xtend	3.3	2823	—	—	58.1	58.6	58.4	56.4
Ebberts 339R2X	Ebberts Field Seeds	Xtend	3.3	2817	37.0	18.4	55.1	61.6*	58.4	
SG-3229R2X	Shur Grow	Xtend	3.2	2686	37.2	17.8	61.6*	54.9	58.3	
S33-D7X	NK Seeds/Syngenta	Xtend	3.3	2791	36.4	19.0	59.6	56.8	58.2	
HS 32X80	Growmark, Inc.	Xtend	3.2	2957	36.0	18.4	57.3	59.0	58.2	
3337R2X	Stewart Seeds	Xtend	3.3	2970	37.5	17.2	59.9*	56.4	58.2	57.6
S33RY76	Dyna-Gro Seed	RR2Y	3.3	3028	36.1	18.5	58.3	57.8	58.1	58.9
26RY2	Advanced Genetics, Inc.	RR2Y	2.6	3280	35.9	18.4	57.8	58.2	58.0	56.9
G3285RX	AgriGold Hybrids	Xtend	3.2	2671	37.0	18.2	56.8	59.2	58.0	
W 4732	Wellman Seeds, Inc.	RR2Y	3.2	2676	—	—	54.0	62.0*	58.0	55.7
LGS2759RX	LG Seeds	Xtend	2.7	2838	34.8	18.8	56.3	58.6	57.5	
28X9	Seed Consultants, Inc.	Xtend	2.8	2499	37.3	18.4	58.5	55.6	57.1	
W 4333	Wellman Seeds, Inc.	RR2Y	3.3	3192	36.3	18.8	54.4	59.7	57.1	56.1
W 265	Wellman Seeds, Inc.	CV	2.6	2754	37.0	18.4	57.7	55.4	56.6	
SC 9318R™	Seed Consultants, Inc.	GT	3.1	3077	35.8	19.4	56.4	56.3	56.4	55.4
SG-3026R2X	Shur Grow	Xtend	3.0	3079	37.5	17.7	58.7	53.7	56.2	55.3
AG30X8	Asgrow/Bayer Crop Science	Xtend	3.0	2862	36.2	19.0	57.1	55.2	56.2	54.3
Illini 2904N	Ohio Foundation Seeds, Inc.	CV	2.9	—	—	—	56.3	55.3	55.8	
2601RX	Advanced Genetics, Inc.	Xtend	2.6	3360	36.6	17.5	55.4	55.5	55.5	
AG27X7	Asgrow/Bayer Crop Science	Xtend	2.7	3541	36.4	18.9	57.8	53.1	55.5	55.6
3309L	NuTech Seed, LLC	LL	3.0	2869	35.5	18.7	52.0	58.7	55.4	53.8
30RY3	Advanced Genetics, Inc.	RR2Y	3.0	2739	36.1	18.5	53.7	56.9	55.3	55.2
W 295	Wellman Seeds, Inc.	CV	2.9	2673	38.5	17.7	55.8	54.8	55.3	56.0
W 5833X	Wellman Seeds, Inc.	Xtend	3.3	2830	36.4	18.4	53.9	56.3	55.1	57.1

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)			
Variety	Brand/Company Name	Type	RM	Seeds/lb.	% Protein	% Oil	C1	C2	'18 Mean	'17-'18 Mean
7253	NuTech Seed, LLC	RR1	2.5	2458	—	—	53.6	56.5	55.1	
3301RX	Advanced Genetics, Inc.	Xtend	3.3	2891	37.1	18.3	57.5	52.5	55.0	
Wyandot 14	Ohio Foundation Seeds, Inc.	CV	2.9	2381	37.3	19.0	52.4	57.3	54.9	53.3
RS 31XT40	Rupp Seeds, Inc.	Xtend	3.1	2851	36.1	18.5	52.9	56.6	54.8	
30R8	Seed Consultants, Inc.	RR1	3.0	2739	34.9	19.7	52.7	56.2	54.5	
CZ 2928 LL	Credenz/BASF	LL	2.9	3277	36.9	18.3	56.2	52.1	54.2	
HS 28L70	Growmark, Inc.	LL	2.8	2994	37.2	18.3	51.7	54.9	53.3	
W 335	Wellman Seeds, Inc.	CV	3.3	2531	36.0	18.9	51.4	53.4	52.4	
HS 27X80	Growmark, Inc.	Xtend	2.7	2769	34.9	20.2	52.9	50.6	51.8	
Summit	Ohio Foundation Seeds, Inc.	CV	2.6	2582	35.6	19.7	49.8	52.5	51.2	53.5
W 4525	Wellman Seeds, Inc.	RR2Y	2.5	3224	36.1	18.6	51.4	50.5	51.0	
W 5926X	Wellman Seeds, Inc.	Xtend	2.6	3400	33.7	20.0	46.3	53.2	49.8	
DB2616R	Seed Consultants, Inc.	RR1	2.6	2752	37.2	19.4	51.2	47.7	49.5	
SC 8326X™	Seed Consultants, Inc.	Xtend	3.2	—	—	—	51.7	45.8	48.8	
7279	NuTech Seed, LLC	RR1	2.7	2596	36.4	19.3	51.4	44.5	48.0	48.9
Streeter	Ohio Foundation Seeds, Inc.	CV	3.0	2895	37.1	18.8	49.2	46.1	47.7	49.2
		Min	2.5	2381	33.7	17.2	46.3	37.3	47.7	
		Max	3.3	3541	38.5	20.2	64.8	68.1	65.3	
		Mean	3.0	2868	36.2	18.8	57.0	57.2	57.5	
		LSD (0.1)					5.0	7.4		
		CV					7.4	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)			
Variety	Brand/Company Name	Type	RM	Seeds/lb.	% Protein	% Oil	C1	C2	'18 Mean	'17-'18 Mean
LGS3777RX	LG Seeds	Xtend, STS	3.7	2634	37.1	18.2	59.3*	64.1*	61.7	
3601RX	Advanced Genetics, Inc.	Xtend	3.6	2679	35.9	19.2	61.1*	61.9*	61.5	57.7
W 5836X	Wellman Seeds, Inc.	Xtend	3.6	2676	36.0	18.9	60.2*	61.8*	61.0	59.0
AG38X8	Asgrow/Bayer Crop Science	Xtend	3.8	2751	35.6	18.7	58.7*	62.5*	60.6	59.6
HS 38X70	Growmark, Inc.	Xtend	3.8	2980	37.0	18.0	57.6*	63.1*	60.4	61.1
3386L	NuTech Seed, LLC	LL	3.8	2533	36.4	19.1	54.1	66.4*	60.3	60.1
Ebberts 388R2X	Ebberts Field Seeds	Xtend	3.8	2835	37.3	18.1	57.1*	62.0*	59.6	59.1
Ebberts 368R2X	Ebberts Field Seeds	Xtend	3.6	2577	36.6	18.8	61.6**	57.0	59.3	57.2
SG-3628R2X	Shur Grow	Xtend	3.6	2571	35.8	19.3	61.0*	56.9	59.0	59.1
S36XT09	Dyna-Gro Seed	Xtend	3.6	3362	36.2	18.3	58.5*	59.3	58.9	
3801RX	Advanced Genetics, Inc.	Xtend	3.8	2904	36.2	18.4	50.3	66.7**	58.5	
AG34X6	Asgrow/Bayer Crop Science	Xtend	3.4	3212	35.5	18.8	59.2*	57.8	58.5	56.2
S37XS89	Dyna-Gro Seed	Xtend, STS	3.7	2605	36.9	18.5	56.5	60.4*	58.5	
3361L	NuTech Seed, LLC	LL	3.6	2718	35.4	19.4	52.9	63.8*	58.4	57.6
G3722RX	AgriGold Hybrids	Xtend	3.7	2475	37.2	18.2	55.2	61.2*	58.2	
HS 34X60	Growmark, Inc.	Xtend	3.4	3837	36.4	19.2	57.3*	59.1	58.2	58.4
SG-3729R2X	Shur Grow	Xtend	3.7	2793	36.6	18.1	59.9*	56.3	58.1	
GH3475X	Golden Harvest	Xtend	3.4	—	—	—	56.2	59.9*	58.1	
SC 3374LL™	Seed Consultants, Inc.	LL	3.7	2796	36.1	19.1	54.1	61.6*	57.9	
LGS3411RX	LG Seeds	Xtend	3.4	2742	35.1	19.4	56.5	59.0	57.8	
G3520RX	AgriGold Hybrids	Xtend	3.5	3128	36.8	18.7	53.0	62.3*	57.7	57.1
HS 35X80	Growmark, Inc.	Xtend	3.5	2896	35.8	18.4	54.4	60.7*	57.6	
SCS 9385RR™	Seed Consultants, Inc.	GT	3.8	2659	34.5	19.8	57.8*	57.2	57.5	57.0
3449R2X	Stewart Seeds	Xtend	3.4	2741	35.5	18.8	55.6	59.3	57.5	

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

Variety	Entry Brand/Company Name	Type	Physical Characteristics				Central Region Yield (bu/ac)			
			RM	Seeds/lb.	% Protein	% Oil	C1	C2	'18 Mean	'17-'18 Mean
CZ 3601 LL	Credenz/BASF	LL	3.6	2631	35.6	19.3	50.5	64.3*	57.4	57.2
DSR-3555/R2Y	Dairyland Seed	RR2Y	3.5	2732	36.3	17.8	57.3*	57.0	57.2	57.3
HS 38L32	Growmark, Inc.	LL	3.8	2646	36.2	19.0	52.3	61.8*	57.1	55.7
S36LL77	Dyna-Gro Seed	LL	3.6	2563	35.5	19.2	52.4	60.6*	56.5	56.9
G3602RX	AgriGold Hybrids	Xtend	3.6	2895	37.2	17.5	55.9	56.7	56.3	
CZ 3841 LL	Credenz/BASF	LL	3.8	2593	36.5	18.7	51.9	60.6*	56.3	58.3
S34XT69	Dyna-Gro Seed	Xtend	3.4	2921	37.2	18.5	53.8	57.7	55.8	
SC 9367R™	Seed Consultants, Inc.	GT	3.6	—	—	—	58.3*	53.1	55.7	
DB3617X	Seed Consultants, Inc.	Xtend	3.6	3014	35.6	18.7	55.3	55.5	55.4	
AG36X6	Asgrow/Bayer Crop Science	Xtend	3.6	3057	35.5	19.3	54.3	55.7	55.0	57.6
C3550RX	LG Seeds	Xtend	3.5	2719	36.2	18.9	53.3	56.7	55.0	56.6
3628R2X	Stewart Seeds	Xtend	3.6	2910	36.7	19.0	52.8	57.2	55.0	57.1
35RY4	Advanced Genetics, Inc.	RR2Y	3.5	2689	36.5	17.7	56.3	53.6	55.0	55.1
Ebberts 379R2X	Ebberts Field Seeds	Xtend	3.7	2821	37.4	18.0	54.5	55.1	54.8	
39X9	Seed Consultants, Inc.	Xtend	3.9	—	—	—	55.3	54.0	54.7	
RS 35XT55	Rupp Seeds, Inc.	Xtend	3.5	2908	36.1	18.8	49.8	59.5	54.7	55.7
7352X	NuTech Seed, LLC	Xtend	3.5	3231	35.1	19.0	57.3*	51.9	54.6	52.8
SC 8379X™	Seed Consultants, Inc.	Xtend	3.7	2849	36.9	18.1	52.9	55.5	54.2	
36LL01	Advanced Genetics, Inc.	LL	3.6	2558	36.2	19.3	51.9	56.1	54.0	54.4
SG-3428R2X	Shur Grow	Xtend	3.4	2871	36.5	19.1	52.4	54.9	53.7	55.5
3729R2X	Stewart Seeds	Xtend	3.7	2942	34.9	19.0	58.8*	48.2	53.5	
GH3546X	Golden Harvest	Xtend	3.5	2684	35.5	18.7	54.1	52.4	53.3	55.8
CZ 3548 LL	Credenz/BASF	LL	3.5	3028	34.7	19.9	50.7	55.5	53.1	54.1
G3440RX	AgriGold Hybrids	Xtend	3.4	2807	37.0	18.7	50.8	54.6	52.7	
C3985RX	LG Seeds	Xtend	3.9	2739	37.0	17.9	50.2	54.2	52.2	55.0
S35XT97	Dyna-Gro Seed	Xtend	3.5	3681	36.3	19.4	50.5	53.6	52.1	54.7
38RY3	Advanced Genetics, Inc.	RR2Y	3.8	2746	36.0	18.5	54.2	49.0	51.6	52.8
3343L	NuTech Seed, LLC	LL	3.4	2742	36.1	18.5	49.2	53.0	51.1	52.7
W 4339	Wellman Seeds, Inc.	RR2Y	3.9	2906	35.5	19.3	50.7	49.5	50.1	54.7
Lorain	Ohio Foundation Seeds, Inc.	CV	3.4	2791	36.0	18.8	42.4	51.3	46.9	49.6
GH3982X	Golden Harvest	Xtend	3.9	3340	35.3	19.2	44.2	45.4	44.8	49.1
		Min	3.4	2475	34.5	17.5	42.4	41.4	44.8	
		Max	4.1	3837	37.4	19.9	61.6	66.7	61.7	
		Mean	3.7	2853	36.1	18.8	53.8	56.1	56.1	
		LSD (0.1)					4.9	7.1		
		CV					7.8	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)			
Variety	Brand/Company Name	Type	RM	Lodging- S1	Seeds/ lb.	% Protein	% Oil	S1	S2	'18 Mean	'17-'18 Mean
G3520RX	AgriGold Hybrids	Xtend	3.5	0.9	3128	36.8	18.7	76.2**	76.3*	76.3	69.9
GH3546X	Golden Harvest	Xtend	3.5	1.1	2684	35.5	18.7	72.8*	78.6**	75.7	
Ebberts 368R2X	Ebberts Field Seeds	Xtend	3.6	0.9	2577	36.6	18.8	73.6*	73.2*	73.4	68.9
7352X	NuTech Seed, LLC	Xtend	3.5	2.2	3231	35.1	19.0	69.8*	76.7*	73.3	66.8
G3440RX	AgriGold Hybrids	Xtend	3.4	1.6	2807	37.0	18.7	69.9*	73.9*	71.9	
S35-K9X	NK Seeds/Syngenta	Xtend	3.5	1.5	2904	35.7	18.9	67.7	76.0*	71.9	68.6
C3550RX	LG Seeds	Xtend	3.5	1.0	2719	36.2	18.9	72.0*	71.4	71.7	67.8
S34XT69	Dyna-Gro Seed	Xtend	3.4	1.0	2921	37.2	18.5	65.3	76.3*	70.8	
AG34X6	Asgrow/Bayer Crop Science	Xtend	3.4	1.5	3212	35.5	18.8	69.4*	72.0*	70.7	67.0
W 5836X	Wellman Seeds, Inc.	Xtend	3.6	2.3	2676	36.0	18.9	70.8*	68.2	69.5	
SG-3229R2X	Shur Grow	Xtend	3.2	2.3	2686	37.2	17.8	65.5	73.3*	69.4	
AG36X6	Asgrow/Bayer Crop Science	Xtend	3.6	2.0	3057	35.5	19.3	72.0*	66.6	69.3	66.5
3361L	NuTech Seed, LLC	LL	3.6	1.5	2718	35.4	19.4	65.1	73.2*	69.2	67.0
3628R2X	Stewart Seeds	Xtend	3.6	0.9	2910	36.7	19.0	69.7*	68.2	69.0	67.8
W 5828X	Wellman Seeds, Inc.	Xtend	2.8	1.4	2923	35.6	19.3	70.7*	67.2	69.0	
W 335	Wellman Seeds, Inc.	CV	3.3	1.0	2531	36.0	18.9	60.6	76.0*	68.3	
SG-3628R2X	Shur Grow	Xtend	3.6	1.8	2571	35.8	19.3	63.8	72.6*	68.2	65.3
Ebberts 358R2X	Ebberts Field Seeds	Xtend	3.5	1.1	2751	36.2	19.0	68.6	67.6	68.1	64.6
W 265	Wellman Seeds, Inc.	CV	2.6	2.3	2754	37.0	18.4	65.1	71.0	68.1	
CZ 3548 LL	Credenz/BASF	LL	3.5	1.4	3028	34.7	19.9	63.8	72.2*	68.0	64.8
SC 9339R™	Seed Consultants, Inc.	GT	3.3	2.8	2427	34.7	19.9	61.5	74.2*	67.9	
Ebberts 339R2X	Ebberts Field Seeds	Xtend	3.3	0.9	2817	37.0	18.4	62.5	71.5	67.0	
SG-3428R2X	Shur Grow	Xtend	3.4	1.4	2871	36.5	19.1	67.3	66.7	67.0	
AG32X8	Asgrow/Bayer Crop Science	Xtend	3.2	1.0	2778	36.4	18.0	64.3	69.6	67.0	63.8
LGS3297RX	LG Seeds	Xtend	3.2	0.9	2823	36.5	18.4	61.3	71.8	66.6	
G3602RX	AgriGold Hybrids	Xtend	3.6	1.6	2895	37.2	17.5	63.8	69.2	66.5	
AG33X8	Asgrow/Bayer Crop Science	Xtend	3.3	2.0	2823	—	—	67.7	64.7	66.2	64.8
3449R2X	Stewart Seeds	Xtend	3.4	2.5	2741	35.5	18.8	61.7	70.6	66.2	
SC 9367R™	Seed Consultants, Inc.	GT	3.6	1.3	—	—	—	62.0	70.2	66.1	
W 5833X	Wellman Seeds, Inc.	Xtend	3.3	1.0	2830	36.4	18.4	64.5	67.3	65.9	65.7
S36XT09	Dyna-Gro Seed	Xtend	3.6	1.5	3362	36.2	18.3	63.2	68.0	65.6	
LGS3411RX	LG Seeds	Xtend	3.4	1.8	2742	35.1	19.4	61.7	69.4	65.6	
CZ 3601 LL	Credenz/BASF	LL	3.6	1.5	2631	35.6	19.3	57.8	73.2*	65.5	65.7
W 295	Wellman Seeds, Inc.	CV	2.9	2.3	2673	38.5	17.7	59.4	69.8	64.6	
W 5932X	Wellman Seeds, Inc.	Xtend	3.2	2.3	2752	36.9	17.7	61.7	67.4	64.6	
S35XT97	Dyna-Gro Seed	Xtend	3.5	1.7	2681	36.3	19.4	63.3	65.2	64.3	64.5
W 4732	Wellman Seeds, Inc.	RR2Y	3.2	3.0	2676	—	—	58.9	67.4	63.2	62.8
W 4525	Wellman Seeds, Inc.	RR2Y	2.5	2.3	3224	36.1	18.6	61.3	64.4	62.9	
CZ 3233 LL	Credenz/BASF	LL	3.2	2.3	2990	35.2	18.8	53.0	72.1*	62.6	
3343L	NuTech Seed, LLC	LL	3.4	1.8	2742	36.1	18.5	60.1	61.4	60.8	56.2
W 4333	Wellman Seeds, Inc.	RR2Y	3.3	2.8	3192	36.3	18.8	53.9	62.8	58.4	61.5
W 5926X	Wellman Seeds, Inc.	Xtend	2.6	3.6	3400	33.7	20.0	47.0	63.3	55.2	
		Min	2.5	0.9	2427	34.7	17.5	44.8	51.6	48.2	
		Max	3.6	3.8	3362	38.5	19.9	76.2	78.6	76.3	
		Mean	3.3	1.8	2829	36.1	18.8	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)			
Variety	Brand/Company Name	Type	Lodging-		Seeds/ lb.	% Protein	% Oil			'18 Mean	'17-'18 Mean	
			RM	S1				S2	S1			S2
LGS3777RX	LG Seeds	Xtend, STS	3.7	1.4	1.5	2634	37.1	18.2	66.4*	80.3**	73.4	
C3985RX	LG Seeds	Xtend	3.9	1.0	1.2	2739	37.0	17.9	64.3*	77.9*	71.1	67.8
CZ 4105 LL	Credenz/BASF	LL	4.1	1.2	0.0	2462	37.5	18.2	62.1	80.1*	71.1	68.6
SC 8379X TM	Seed Consultants, Inc.	Xtend	3.7	1.0	0.0	2849	36.9	18.1	70.8**	71.4	71.1	
G3722RX	AgriGold Hybrids	Xtend	3.7	2.7	1.5	2475	37.2	18.2	65.4*	75.9*	70.7	
S37XS89	Dyna-Gro Seed	Xtend, STS	3.7	1.4	1.3	2605	36.9	18.5	68.7*	70.6	69.7	
3386L	NuTech Seed, LLC	LL	3.8	1.2	1.3	2533	36.4	19.1	62.6	76.4*	69.5	68.3
SG-3729R2X	Shur Grow	Xtend	3.7	1.7	1.2	2793	36.6	18.1	65.2*	73.2*	69.2	
AG39X7	Asgrow/Bayer Crop Science	Xtend	3.9	1.2	1.8	2662	35.4	18.1	65.9*	72.4*	69.2	66.5
4029R2X	Stewart Seeds	Xtend	4.0	1.7	0.8	2694	35.7	18.8	63.4*	74.8*	69.1	
CZ 3841 LL	Credenz/BASF	LL	3.8	2.0	1.9	2593	36.5	18.7	64.4*	72.0*	68.2	67.4
G4190RX	AgriGold Hybrids	Xtend	4.1	2.0	2.0	2662	37.6	17.7	60.7	72.7*	66.7	
Ebberts 388R2X	Ebberts Field Seeds	Xtend	3.8	2.3	0.0	2835	37.3	18.1	62.4	69.7	66.1	65.4
7387X	NuTech Seed, LLC	Xtend	3.8	1.5	1.3	2557	35.7	19.2	66.0*	66.1	66.1	64.1
AG38X8	Asgrow/Bayer Crop Science	Xtend	3.8	1.0	2.9	2751	35.6	18.7	62.0	69.2	65.6	65.0
G3980RX	AgriGold Hybrids	Xtend	3.9	1.3	2.0	2945	37.4	17.3	61.0	70.2	65.6	66.6
SC 3374LL TM	Seed Consultants, Inc.	LL	3.7	2.0	0.9	2796	36.1	19.1	53.6	76.8*	65.2	
Ebberts 379R2X	Ebberts Field Seeds	Xtend	3.7	1.3	0.9	2821	37.4	18.0	63.7*	65.6	64.7	
S41XS98	Dyna-Gro Seed	Xtend, STS	4.1	2.4	1.3	2588	36.6	18.2	56.0	73.0*	64.5	65.6
AG41X8	Asgrow/Bayer Crop Science	Xtend	4.1	2.0	1.4	2628	37.2	17.9	57.8	71.1	64.5	63.5
S39-R9X	NK Seeds/Syngenta	Xtend	3.9	2.0	0.9	2687	37.2	19.2	55.9	65.9	60.9	
3729R2X	Stewart Seeds	Xtend	3.7	1.6	1.7	2942	34.9	19.0	57.0	64.2	60.6	
SCS 9385RR TM	Seed Consultants, Inc.	GT	3.8	1.6	1.5	2659	34.5	19.8	53.2	67.9	60.6	62.2
S3805N	Dyna-Gro Seed	CV	3.8	2.2	2.2	3008	35.6	18.4	55.2	65.7	60.5	61.4
W 4339	Wellman Seeds, Inc.	RR2Y	3.9	1.9	2.0	2906	35.5	19.3	54.3	64.1	59.2	61.5
7410X	NuTech Seed, LLC	Xtend	4.1	2.0	2.2	2826	36.9	17.7	52.1	65.3	58.7	60.0
S40LL35	Dyna-Gro Seed	LL	4.0	1.9	1.5	2513	36.3	19.3	51.9	63.7	57.8	
CZ 4308 LL	Credenz/BASF	LL	4.3	2.2	2.7	2853	36.8	18.9	46.6	65.7	56.2	
S4209N	Dyna-Gro Seed	CV	4.2	1.7	1.5	2431	36.8	18.5	43.6	65.8	54.7	
GH3982X	Golden Harvest	Xtend	3.9	1.4	2.2	3340	35.3	19.2	49.6	59.1	54.4	57.8
S39XT08	Dyna-Gro Seed	Xtend	3.9	1.7	1.3	2961	37.6	18.7	52.5	55.6	54.1	58.0
S13-3851C	University of Missouri	CV	4.4	2.2	2.2	3040	37.0	17.9	41.3	62.9	52.1	
Clermont	Ohio Foundation Seeds, Inc.	CV	3.9	3.2	3.5	2315	37.1	17.7	42.6	52.4	47.5	52.3
		Min	3.7	1.0	0.0	2431	34.5	17.3	38.4	47.5	45.5	
		Max	4.4	3.5	3.7	3340	37.6	19.8	70.8	80.3	73.4	
		Mean	3.9	1.9	1.8	2743	35.5	18.5	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.