



THE OHIO STATE
UNIVERSITY

COLLEGE OF FOOD, AGRICULTURAL,
AND ENVIRONMENTAL SCIENCES

THE 2016 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. (Note: Emergence was poor at the S2 location due to soil crusting after planting.) All sites had corn as the previous crop and received no tillage prior to soybean planting. Farmer cooperators sprayed preemergence herbicides (varied by location). Postemergence herbicides included: Select Max, Flexstar, Basagran, and First Rate.

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 2016 entries were submitted voluntarily by seed companies and the Ohio Seed Improvement Association. Entry fee charges were paid per entry and region.

Test by Maturity and Type. Varieties are grouped, tested and analyzed by maturity (early and late). Conventional, Liberty Link, and Roundup Ready varieties were tested in the same block to allow for head-to-head comparisons. Xtend soybeans were planted in a separate block due to lack of EU approval at time of planting. Conventional herbicides were sprayed on all entries. Conventional, Liberty Link, and Roundup Ready entries are statistically comparable within a maturity range (early or late). Use the table below to find varieties by region, maturity, and type.

2016 Tables by Type, Region, Maturity Grouping			
Conventional, Liberty Link, and Roundup Ready	North	Early (2.0-3.0)	Table 3
		Late (3.1-3.9)	Table 4
Conventional, Liberty Link, and Roundup	Central	Early (2.6-3.4)	Table 5
		Late (3.5-4.1)	Table 6
Conventional, Liberty Link, and Roundup	South	Early (3.1-3.7)	Table 7
		Late (3.8-4.3)	Table 8
Xtend	All	Early + Late (2.1-4.2)	Table 9

MEASUREMENTS AND RECORDS

Relative Maturity. Relative maturity 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 Relative Maturity rating of 3.5 will reach the 95% brown pod stage 5 days later than a variety with a rating of 3.0. Relative maturity was submitted by seed companies.

Plant height was measured as a group at physiological maturity.

Seed size is reported as number of seeds per pound.

Yield. Each soybean variety was harvested when the moisture content was between 8 and 12 percent and yields reported in bushels per acre at 13 percent moisture.

Lodging score. There was no lodging in 2016.

Protein, Oil, Fiber %. Analysis was determined by near infrared transmittance technology. The test was performed using a Tecator Infratec whole grain analyzer calibrated with the Composition Systems Calibration developed at Iowa State University and is reported at 13 percent moisture.

LSD. A Least Significant Difference (LSD) for yield was computed for each maturity group. LSD's are reported in bushels per acre at 13 percent moisture. Yields of two varieties within a maturity group 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.



Table 1: The 2016 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	6.0	5.8	7.1	6.4	6.0	6.6
Soil Test P-Mehlich (ppm)	25	62	59	35	121	53
Soil Test K (ppm)	171	72	183	140	287	144
Plant date	23-May	25-May	23-May	20-May	16-May	19-May
Harvest date	12-Oct	18-Oct	14-Oct	17-Oct	19-Oct	25-Oct

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

Company/Variety/ Brand	Seed Treatment	Maturity Rating	Type r/n/l	Table #	Company/Variety/ Brand	Seed Treatment	Maturity Rating	Type r/n/l	Table #	Company/Variety/ Brand	Seed Treatment	Maturity Rating	Type r/n/l	Table #	Company/Variety/ Brand	Seed Treatment	Maturity Rating	Type r/n/l	Table #
Advanced Genetics, Inc.																			
11491 Foundation Rd. Box 6		740-893-2501			800 N. Lindbergh Blvd. St. Louis, MO 63167					9915 West M-21 Ovid, MI 48866					800-257-7333				
Croton, OH 43013-0145					www.advancedgeneticsinc.com					www.channel.com									
AGI 26RY2	AC	2.6	RR2Y	3, 5	Channel 2817RR2Xtend	AC + G	2.8	Xtend	9	GL 2789R2	AG + CC	2.7	RR2	3	Stewart 2815R2	AC + F/I	2.8	RR2	3
AGI 2701RX	AC	2.7	Xtend	9	Channel 3009RR2	AC + G	3.0	RR2Y	3, 5	GL 3267NRX	AG + CC	3.2	Xtend	9	Stewart 3016R2	AC + F/I	3.0	RR2	3
AGI 28RY5	EC + NH	2.8	RR2Y	3	Channel 3017RR2Xtend	AC + G	3.0	Xtend	9	GL 3460NRX	AG + CC	3.4	Xtend	9	Stewart 3213R2	AC + F/I	3.2	RR2	4, 5
AGI 28RY3	EC	2.8	RR2Y	3	Channel 3417RR2Xtend	AC + G	3.4	Xtend	9	GL 3659R2	AG + CC	3.6	RR2	4, 6, 7	Stewart 3337R2X	AC + F/I	3.3	Xtend	9
AGI 28LL01	AC	2.8	LL	3	Channel 3509RR2	AC + G	3.5	RR2Y	4, 6, 7	GL 3729R2	AG + CC	3.7	RR2	6, 7	Stewart 3437R2X	AC + F/I	3.4	Xtend	9
AGI 3001RX	AC	3.0	Xtend	9	Channel 3617RR2Xtend	AC + G	3.6	Xtend	9	GL 3852NR2	AG + CC	3.8	RR2	8	Stewart 3527R2X	AC + F/I	3.5	Xtend	9
AGI 30M08	EC	3.0	RR1	3	Channel 3707RR2/SR	AC + G	3.7	RR2Y/SR	6, 7						Stewart 3516R2	AC + F/I	3.5	RR2	6, 7
AGI 30RY3	AC	3.1	RR2Y	4, 5	Channel 3917RR2Xtend	AC + G	3.9	Xtend	9						Stewart 3827R2X	AC + F/I	3.8	Xtend	9
AGI 31M04	EC + NH	3.1	RR1	4	Channel 4116RR2Xtend	AC + G	4.1	Xtend	9						Stewart 3816R2X	AC + F/I	3.8	Xtend	9
AGI 31RY6	EC + NH	3.1	RR2Y	4											Stewart 4116R2X	AC + F/I	4.1	Xtend	9
AGI 31CN07	EC	3.1	CV	4	Dairyland Seed Co., Inc.														
AGI 32R2Y4	AC	3.2	RR2Y	4, 5	PO Box 958		800-236-0163			LG C3070R2	AG	3.0	RR2	3	Steyer Seeds				
AGI 3301RX	AC	3.3	Xtend	9	West Bend, WI 53095					LG C3026RX	AG	3.0	Xtend	9	PO Box 209		800-231-4274		
AGI 33R2Y4	EC	3.3	RR2Y	5	www.dairylandseed.com					LG C3171R2	AG	3.1	RR2	4, 5	Old Fort, OH 44861				
AGI 35LL01	IS	3.5	LL	6, 7	DSR-2909/R2Y	CM + OP	2.9	RR2	3	LG C3321R2	AG	3.3	RR2	4, 5	www.steyerseeds.com				
AGI 35RY4	AC	3.5	RR2Y	4, 6	DSR-3250/R2Y	CM + OP	3.2	RR2	4	LG C3550RX	AG	3.5	Xtend	9	Steyer 2704XR	SS	2.7	Xtend	9
AGI 3501RX	AC	3.5	Xtend	9	DSR-3434/R2Y	CM + OP	3.4	RR2	4	LG C3647R2	AG	3.6	RR2	6, 7	Steyer 2805R2	SS	2.8	RR2	3, 5
AGI 36LL01	IS	3.6	LL	6	DSR-3630/R2Y	CM + OP	3.6	RR2	6	LG C3989R2	AG	3.9	RR2	8	Steyer 3003XR	SS	3	Xtend	9
AGI 37RY3	EC	3.7	RR2Y	6	DSR-3745/R2Y	CM + OP	3.7	RR2	6	LG C3911RX	AG	3.9	Xtend	9	Steyer 3206XR	SS	3.2	Xtend	9
AGI 3701RX	EC	3.7	Xtend	9	DSR-3838/R2Y	CM + OP	3.8	RR2	6						Steyer 3205R2	SS	3.2	RR2Y	4, 5, 7
AGI 38RY3	EC	3.8	RR2Y	6											Steyer 3408XR	SS	3.4	Xtend	9
AGI 3901RX	IS	3.9	Xtend	9	Doeblers PA Hybrids, Inc.														
AGI 39LL01	IS	3.9	LL	6, 8	202 Tiadaghton Ave.		800-853-2676			2321 North Loop Dr., Suite 230					402-661-4700				
					Jersey Shore, PA 17740					Ames, IA 50010									
AGRA Solutions																			
23778 Delphos Jennings Rd		888-695-5503			www.agrasolutions.com/					NuTech 3252L	SC	2.5	LL	3	11055 Wayzata Blvd		800-445-0956		
Delphos, OH 45833-8932					RPM DB2616R	G + AL + EVE + P2	2.6	GT	3, 5	NuTech 7279	SC	2.7	RR1	3, 5	Minnetonka, MN 55305				
					RPM DB2817R	G + AL + EVE + P2	2.8	GT	3, 5	NuTech 3273L	SC	2.7	LL	5	www.syngenta.com				
Key 1726L	EN	2.6	LL	3	RPM DB3517R	G + AL + EVE + P2	3.5	GT	4, 6, 7	NuTech 7307	SC	3.0	RR1	3, 5	Syngenta S28-N6	CC + MT	2.8	RR2	3, 5
Key 1732L	EN	3.2	LL	4, 5	RPM DB3817R	G + AL + EVE + P2	3.8	GT	4, 6, 7	NuTech 3309L	SC	3.0	LL	5	Syngenta S30-V6	CC + MT	3.0	RR2	3, 5
Key 1735L	EN	3.6	LL	4, 6, 7	RPM DB4013RR	G + AL + EVE + P2	4.0	GT	8	NuTech 3341L	SC	3.4	LL	6, 7	Syngenta S36-Y6	CC + MT	3.6	RR2	4, 6
										NuTech 3361L	SC	3.6	LL	7	Syngenta S37-Z8	CC + MT	3.7	RR2	4, 6, 7
										NuTech 3386L	SC	3.8	LL	8	Syngenta S39-C4	CC + MT	3.9	RR2	6, 8
DuPont Pioneer																			
Asgrow																			
800 N Lindbergh Blvd		800-768-6387			59 Grief Parkway Suite 200		740-657-6120			Public Certified					740-893-2501				
St. Louis, MO 63167					Delaware, OH 43015					11491 Foundation Rd						23778 Delphos Jennings Rd		800-717-7333	
					www.asgrowanddekalb.com					www.pioneer.com						Delphos, OH 45833			
AG2336	AC	2.3	RR2Y	3	P28T62R	PPST	2.8	RR1	3	Summit	EC	2.6	CV	3, 5	www.wellmanseeds.com				
AG2535	AC	2.5	RR2Y	3	P31T11R	PPST	3.1	RR1	4	Streeter	EC	3.0	CV	3, 5	W 5627	EN	2.7	Xtend	9
AG2836	AC	2.8	RR2Y	3, 5	P33T72R	PPST	3.3	RR1	4, 5	Lorain	EC	3.4	CV	4, 6	W 295	EN	2.9	CV	3, 5
AG2935	AC	2.9	RR2Y	3, 5	P34T07R2	PPST	3.4	RR2	6	Highpro1	EC	3.7	CV	4, 6, 7	W 4529	EN	2.9	RR2	3, 5
AG3034	AC	3.0	RR2Y	3, 5	P35T75X	PPST	3.5	Xtend	9	HS6-3967B	EC	3.9	CV	6, 8	W 5630	EN	3.0	Xtend	9
AG3231	AC	3.2	RR2Y	4, 5, 7	P35T97R2	PPST	3.5	RR2	6	Clemont	EC	3.9	CV	8	W 315	EN	3.1	CV	4, 5
AG3334	AC	3.3	RR2Y	4, 5, 7	P36T14R2	PPST	3.6	RR2	7						W 4732	EN	3.2	RR2	4, 5, 7
AG35																			

TABLE 3: The 2016 Ohio Soybean Performance Trials, North Region - Early Varieties (RM 2.0-3.0)

Brand/Variety	Entry Company Name	Type	Physical Characteristics						North Region Yield (bu/ac)			
			Rel. Mat.	Ht. (in)	Seeds/lb.	% Protein	% Oil	% Fiber	N1	N2	'16 Mean	'15-'16 Mean
Rupp rs7205	Rupp Seeds, Inc.	RR2	2.0	24	2430	34.3	20.4	4.7	46.6	50.0	48.3	50.2
AG2336	Asgrow	RR2	2.3	32	2260	36.5	18.9	4.6	50.6	59.6	55.1	54.6
Rupp rs7239	Rupp Seeds, Inc.	RR2	2.3	25	2730	32.8	20.2	4.8	51.7	52.1	51.9	54.7
RS7242	Rupp Seeds, Inc.	RR2	2.4	28	2480	35.7	20.1	4.6	49.5	52.9	51.2	
AG2535	Asgrow	RR2	2.5	27	2650	34	20.1	4.7	47.4	52.7	50.1	53.2
NuTech 3252L	NuTech Seed, LLC	LL	2.5	31	2300	35.9	20	4.6	51.3	56.9	54.1	56.8
SCS 9256R™	Seed Consultants, Inc.	RR1	2.5	33	2330	37.6	19.3	4.4	51.6	47.8	49.7	
AGI 26RY2	Advanced Genetics, Inc.	RR2	2.6						54.9	57.6	56.3	57.0
Key 1726L	AGRA Solutions	LL	2.6	33	2460	34.7	20	4.7	49.5	55.2	52.4	
CZ 2601 LL	Bayer Crop Science	LL	2.6	33	2470	35.1	19.9	4.6	54.6	55.1	54.9	
Beck's 264L4	Beck's Hybrids	LL	2.6	35	2430	34.2	20.5	4.7	47.0	54.2	50.6	
RPM DB2616R	Doebler's PA Hybrids, Inc.	GT	2.6	34	2430	37.3	19.3	4.5	50.0	54.6	52.3	
Dyna-Gro S26RY37	Dyna-Gro Seed	RR2	2.6	28	2570	35	20.1	4.6	56.7*	61.2*	59.0	
Summit	Public	CV	2.6	31	2340	35.8	19.6	4.6	50.8	53.2	52.0	58.9
Stewart 2626R2	Stewart Seeds	RR2	2.6	44	2810	35.7	19.4	4.6	48.3	52.8	50.6	
CZ 2788 RY	Bayer Crop Science	RR2	2.7	30	2380	36.7	18.4	4.6	53.9	55.1	54.5	61.6
Beck's 273R4™*brand	Beck's Hybrids	RR1	2.7	31	2280	35.1	20.2	4.6	46.7	51.0	48.9	
Dyna-Gro S27LL55	Dyna-Gro Seed	LL	2.7	31	2280	36.9	19	4.5	50.8	52.8	51.8	58.1
Ebberts 2276RR2	Ebberts Field Seeds, Inc.	RR2	2.7	31	2690	36	19	4.6	53.1	54.4	53.8	57.5
GL 2789R2	Great Lakes Hybrids	RR2	2.7	37	2320	36.8	18.2	4.7	52.4	60.8	56.6	
NuTech 7279	NuTech Seed, LLC	RR1	2.7	33	2270	35.7	20	4.6	47.6	50.5	49.1	
SC 9277R™	Seed Consultants, Inc.	RR1	2.7	36	2390	34.9	20.1	4.6	51.0	54.9	53.0	
AGI 28LL01	Advanced Genetics, Inc.	LL	2.8	39	2510	35.9	19.2	4.6	53.9	60.1	57.0	
AGI 28RY3	Advanced Genetics, Inc.	RR2	2.8	30	2740	36	19.1	4.6	58.2*	60.6	59.4	
AGI 28RY5	Advanced Genetics, Inc.	RR2	2.8	34	3020	36.1	18.1	4.7	54.9	53.5	54.2	60.5
AG2836	Asgrow	RR2	2.8	33	2360	37.6	17.9	4.6	59.2*	63.0*	61.1	59.0
CZ 2810 LL	Bayer Crop Science	LL	2.8	31	2140	36.1	19.5	4.6	59.3*	64.0*	61.7	63.9
RPM DB2817R	Doebler's PA Hybrids, Inc.	GT	2.8	29	2270	35.7	20.2	4.6	51.7	54.1	52.9	
P28T62R	DuPont Pioneer	RR1	2.8	32	2180	34.2	21	4.6	49.8	60.0	54.9	
Rupp rs7283	Rupp Seeds, Inc.	RR2	2.8	34	2520	36.4	19.2	4.5	50.6	58.0	54.3	57.1
ShurGrow SG-2815R2R	Shur Grow	RR2	2.8	28	2640	36	18.5	4.6	55.4*	53.4	54.4	56.3
Stewart 2815R2	Stewart Seeds	RR2	2.8	36	2290	37.5	18.4	4.5	50.9	67.3*	59.1	60.7
Steyer 2805R2	Steyer Seeds	RR2	2.8	33	2700	36.2	19.3	4.6	54.4	54.7	54.6	57.3
Syngenta S28-N6	Syngenta - NK Brand	RR2	2.8	36	2200	36.2	18.3	4.7	57.2*	61.7*	59.5	
AG2935	Asgrow	RR2	2.9	36	2870	35.9	19.9	4.5	55.3*	65.4*	60.4	61.8
CZ 2915 LL	Bayer Crop Science	LL	2.9						49.5	64.9*	57.2	61.3
Beck's 297R4™*brand	Beck's Hybrids	RR1	2.9	30	2380	36.6	19.3	4.5	47.2	51.6	49.4	58.1
Beck's 298L4	Beck's Hybrids	LL	2.9	33	2380	36.7	19.2	4.5	46.8	61.0	53.9	59.3
DSR-2909/R2Y	Dairyland Seed	RR2	2.9	31	2570	36.4	19.3	4.6	52.5	59.7	56.1	59.0
Dyna-Gro S29RY05	Dyna-Gro Seed	RR2	2.9	35	2560	37.2	18.4	4.6	54.3	67.8*	61.1	63.5
SCS 9295RR™	Seed Consultants, Inc.	RR1	2.9	36	2480	37.7	19.2	4.5	53.4	60.8	57.1	60.0
W 295	Wellman Seeds, Inc.	CV	2.9	35	2290	38.2	18	4.5	57.6*	61.5*	59.6	62.3
W 4529	Wellman Seeds, Inc.	RR2	2.9						52.2	55.1	53.7	57.0
AGI 30M08	Advanced Genetics, Inc.	RR1	3.0	33	2690	35.8	19.7	4.6	57.6*	66.8*	62.2	
AG3034	Asgrow	RR2	3.0	37	2580	36.4	17.9	4.7	56.0*	58.4	57.2	61.3
CZ 3060 RY	Bayer Crop Science	RR2	3.0	34	2400	36.6	19	4.6	60.9**	54.6	57.8	65.0
Channel 3009RR2	Channel Seed	RR2	3.0	38	2720	34.9	18.9	4.7	52.0	64.4*	58.2	63.5
LG C3070R2	LG Seeds	RR2	3.0	33	2680	35.5	18.9	4.7	50.7	63.7*	57.2	60.3
NuTech 7307	NuTech Seed, LLC	RR1	3.0	37	2310	36.7	19.2	4.5	55.7*	62.8*	59.3	59.9
Streeter	Public	CV	3.0	32	2330	37.1	19.2	4.5	55.5*	57.8	56.7	59.0
Rupp rs7302	Rupp Seeds, Inc.	RR2	3.0	36	2330	36.3	18.9	4.6	52.2	64.6*	58.4	
Stewart 3016R2	Stewart Seeds	RR2	3.0	36	2492	35.8	18.7	4.7	53.6	60.5	57.1	62.2
Syngenta S30-V6	Syngenta - NK Brand	RR2	3.0	34	2530	36.4	19	4.6	60.4*	68.4**	64.4	64.9
Min			2.0						46.6	47.8	48.3	50.2
Max			3.0						60.9	68.4	64.4	65.0
Mean			2.8						52.7	58.0	55.4	59.3
LSD (0.1)									5.7	7.3		
CV									9.3	10.8		

TABLE 4: The 2016 Ohio Soybean Performance Trials, North Region - Late Varieties (RM 3.1-3.9)

Brand/Variety	Entry Company Name	Type	Physical Characteristics						North Region Yield (bu/ac)				
			Rel.	Mat.	Ht. (in)	Seeds/lb.	% Protein	% Oil	% Fiber	N1	N2	'16 Mean	'15-'16 Mean
AGI 30RY3	Advanced Genetics, Inc.	RR2	3.1	42	2310	35.4	19.2	4.6	51.7	68.8	60.3		
AGI 31CN07	Advanced Genetics, Inc.	CV	3.1	36	2450	36.3	18.8	4.6	67.1*	66.8	67.0		
AGI 31M04	Advanced Genetics, Inc.	RR1	3.1	40	2410	34.5	19.8	4.7	56.4	64.2	60.3		
AGI 31RY6	Advanced Genetics, Inc.	RR2	3.1	34	2710	36.0	18.2	4.7	58.5	58.0	58.3	58.5	
P31T11R	DuPont Pioneer	RR1	3.1	34	2680	35.7	19.8	4.6	57.4	67.7	62.6	61.6	
Dyna-Gro S31RY86	Dyna-Gro Seed	RR2	3.1	33	2690	35.8	18.4	4.7	60.1	59.8	60.0	60.9	
Ebberts 2316RR2	Ebberts Field Seeds, Inc.	RR2	3.1	37	2300	36.1	19.1	4.6	59.0	69.3	64.2	63.4	
LG C3171R2	LG Seeds	RR2	3.1	37	2420	35.0	19.5	4.6	44.9	66.6	55.8		
SCS 9314RR™	Seed Consultants, Inc.	RR1	3.1	38	2570	35.8	19.5	4.6	57.4	67.9	62.7	62.2	
ShurGrow SG-3116R2R	Shur Grow	RR2	3.1	40	2220	36.1	19.3	4.6	52.5	66.2	59.4	60.1	
W 315	Wellman Seeds, Inc.	CV	3.1	40	2630	36.7	19.1	4.5	55.1	63.1	59.1		
AGI 32R2Y4	Advanced Genetics, Inc.	RR2	3.2	42	2360	35.9	19.0	4.6	65.1*	72.2*	68.7	67.1	
Key 1732L	AGRA Solutions	LL	3.2	35	2500	36.4	19.3	4.5	62.9	66.1	64.5		
AG3231	Asgrow	RR2	3.2	39	2470	35.2	17.8	4.8	58.3	63.4	60.9	60.0	
CZ 3233 LL	Bayer Crop Science	LL	3.2	33	2480	34.4	19.7	4.7	65.4*	61.3	63.4	60.1	
CZ 3234 LL	Bayer Crop Science	LL	3.2	37	2470	36.6	19.3	4.5	62.4	66.9	64.7		
DSR-3250/R2Y	Dairyland Seed	RR2	3.2	38	2360	35.8	19.2	4.6	62.6	72.4*	67.5	67.7	
ShurGrow SG-3213R2R	Shur Grow	RR2	3.2	38	2450	36.0	19.2	4.6	57.0	74.9*	66.0	65.2	
Stewart 3213R2	Stewart Seeds	RR2	3.2	37	2390	35.8	19.3	4.6	60.4	67.7	64.1	65.7	
Steyer 3205R2	Steyer Seeds	RR2	3.2	37	2400	35.8	19.3	4.6	62.8	76.0*	69.4		
W 4732	Wellman Seeds, Inc.	RR2	3.2	38	2510	36.2	18.3	4.7	67.2*	66.4	66.8		
AG3334	Asgrow	RR2	3.3	38	2510	37.0	18.1	4.6	61.2	67.9	64.6	65.5	
Beck's 333R4™*brand	Beck's Hybrids	RR1	3.3	43	2520	35.2	19.5	4.7	66.2*	69.9	68.1		
Beck's 338L4	Beck's Hybrids	LL	3.3	34	2550	36.4	19.3	4.5	62.7	67.1	64.9		
P33T72R	DuPont Pioneer	RR1	3.3	40	2680	34.8	20.2	4.6	58.9	71.4	65.2		
Dyna-Gro S3305N	Dyna-Gro Seed	CV	3.3	42	2750	37.0	18.7	4.6	62.9	71.1	67.0	68.4	
Dyna-Gro S33RY76	Dyna-Gro Seed	RR2	3.3	40	2620	34.9	19.0	4.7	66.3*	66.9	66.6	66.1	
Ebberts 2324RR2	Ebberts Field Seeds, Inc.	RR2	3.3	36	2450	35.9	19.2	4.6	62.7	75.6*	69.2	69.0	
LG C3321R2	LG Seeds	RR2	3.3	37	2630	34.4	19.4	4.7	62.9	72.6*	67.8	64.4	
Rupp rs7332	Rupp Seeds, Inc.	RR2	3.3	39	2460	36.6	18.7	4.6	57.2	73.7*	65.5	64.5	
SCS 9335RR™	Seed Consultants, Inc.	RR1	3.3	42	2690	34.6	19.7	4.7	63.1	66.9	65.0	64.8	
W 4333	Wellman Seeds, Inc.	RR2	3.3	41	2380	36.1	18.9	4.6	61.6	77.4**	69.5	66.8	
DSR-3434/R2Y	Dairyland Seed	RR2	3.4	39	2610	35.0	19.6	4.7	60.0	74.0*	67.0		
Lorain	Public	CV	3.4	33	2420	36.7	18.6	4.6	57.7	62.5	60.1		
ShurGrow SG-3415R2R	Shur Grow	RR2	3.4	38	2480	36.6	18.3	4.6	65.4*	68.5	67.0	65.4	
W 4534	Wellman Seeds, Inc.	RR2	3.4	42	2530	36.1	18.6	4.6	60.8	67.3	64.1		
AGI 35RY4	Advanced Genetics, Inc.	RR2	3.5	38	2510	36.0	17.8	4.7	63.5	68.2	65.9	67.7	
AG3533	Asgrow	RR2	3.5	42	2580	36.4	18.2	4.7	67.0*	69.9	68.5	66.7	
AG3536	Asgrow	RR2	3.5	43	2710	36.4	17.6	4.7	63.4	68.0	65.7	64.3	
CZ3560 RY	Bayer Crop Science	RR2	3.5	43	2670	37.1	17.3	4.7	60.8	67.1	64.0	65.7	
Channel 3509RR2	Channel Seed	RR2	3.5	41	2520	36.1	17.7	4.7	67.0*	70.1	68.6	68.1	
RPM DB3517R	Doebler's PA Hybrids, Inc.	GT	3.5	37	2450	35.6	19.2	4.7	63.9*	69.7	66.8		
SCS 9356R2™	Seed Consultants, Inc.	RR2	3.5	35	2480	36.5	18.7	4.6	67.6*	72.6*	70.1	68.6	
ShurGrow SG-3515R2R	Shur Grow	RR2	3.5	45	2620	36.3	19.0	4.6	63.8*	74.1*	69.0		
Key 1735L	AGRA Solutions	LL	3.6	35	2690	35.1	19.3	4.7	57.0	66.1	61.6		
CZ 3601 LL	Bayer Crop Science	LL	3.6	41	2390	35.6	19.1	4.6	67.3*	69.6	68.5		
Ebberts 2366RR2	Ebberts Field Seeds, Inc.	RR2	3.6	36	2680	34.9	18.5	4.8	70.0**	68.5	69.3	69.7	
GL 3659R2	Great Lakes Hybrids	RR2	3.6	41	2800	35.1	19.4	4.7	63.9*	60.9	62.4	65.5	
SC 9367R™	Seed Consultants, Inc.	RR1	3.6	43	2500	35.8	18.7	4.7	62.6	68.8	65.7		
Syngenta S36-Y6	Syngenta - NK Brand	RR2	3.6	41	2500	36.1	18.4	4.7	61.3	71.0	66.2		
W 4636	Wellman Seeds, Inc.	RR2	3.6	39	2700	35.7	18.2	4.8	67.6*	67.6	67.6	68.8	
Dyna-Gro S37RS96	Dyna-Gro Seed	RR2/STS	3.7	42	2640	35.1	18.4	4.8	66.1*	69.8	68.0	68.9	
Highpro1	Public	CV	3.7	37	2440	42.2	16.8	4.3	50.8	62.4	56.6		
Syngenta S37-Z8	Syngenta - NK Brand	RR2	3.7	39	3000	36.7	18.4	4.6	60.6	70.0	65.3	68.0	
RPM DB3817R	Doebler's PA Hybrids, Inc.	GT	3.8	42	2610	35.9	18.9	4.7	64.0*	69.3	66.7		
W 4339	Wellman Seeds, Inc.	RR2	3.9	43	2410	34.5	19.2	4.7	65.0*	71.5	68.3	70.9	
			Min						44.9	54.1	55.8	58.5	
			Max						70.0	77.4	70.1	70.9	
			Mean						61.2	68.2	65.0	65.5	
			LSD (0.1)						6.3	5.7			
			CV						8.7	7.1			

TABLE 5: The 2016 Ohio Soybean Performance Trials, Central Region - Early Varieties (RM 2.8-3.2)

Brand/Variety	Entry Company Name	Type	Physical Characteristics						Central Region Yield (bu/ac)				
			Rel.	Mat.	Ht. (in)	Seeds/lb.	% Protein	% Oil	% Fiber	C1	C2	'16 Mean	'15-'16 Mean
AGI 26RY2	Advanced Genetics, Inc.	RR2	2.6							54.9	67.3	61.1	60.1
RPM DB2616R	Doebler's PA Hybrids, Inc.	GT	2.6	34	2430	37.3	19.3	4.5		55.5	66.7	61.1	
Summit	Public	CV	2.6	31	2340	35.8	19.6	4.6		56.7	64.1	60.4	
Ebberts 2276RR2	Ebberts Field Seeds, Inc.	RR2	2.7	31	2690	36.0	19.0	4.6		58.3	63.1	60.7	61.3
NuTech 3273L	NuTech Seed, LLC	LL	2.7							71.2*	73.1	72.2	
NuTech 7279	NuTech Seed, LLC	RR1	2.7	33	2270	35.7	20.0	4.6		60.5	72.0	66.3	
AG2836	Asgrow	RR2	2.8	33	2360	37.6	17.9	4.6		71.1*	75.1	73.1	65.2
CZ 2810 LL	Bayer Crop Science	LL	2.8	31	2140	36.1	19.5	4.6		70.0*	76.5*	73.3	70.3
RPM DB2817R	Doebler's PA Hybrids, Inc.	GT	2.8	29	2270	35.7	20.2	4.6		66.6	71.1	68.9	
Rupp rs7283	Rupp Seeds, Inc.	RR2	2.8	34	2520	36.4	19.2	4.5		63.7	72.5	68.1	
ShurGrow SG-2815R2R	Shur Grow	RR2	2.8	28	2640	36.0	18.5	4.6		56.5	64.5	60.5	
Steyer 2805R2	Steyer Seeds	RR2	2.8	33	2700	36.2	19.3	4.6		68.0*	72.5	70.3	65.1
Syngenta S28-N6	Syngenta - NK Brand	RR2	2.8	36	2200	36.2	18.3	4.7		65.2	76.3*	70.8	
AG2935	Asgrow	RR2	2.9	36	2870	35.9	19.9	4.5		66.6	70.9	68.8	64.9
CZ 2915 LL	Bayer Crop Science	LL	2.9							67.4	73.6	70.5	64.9
W 295	Wellman Seeds, Inc.	CV	2.9	35	2290	38.2	18.0	4.5		70.0*	75.7	72.9	
W 4529	Wellman Seeds, Inc.	RR2	2.9							68.0*	70.6	69.3	65.6
AG3034	Asgrow	RR2	3.0	37	2580	36.4	17.9	4.7		63.7	66.7	65.2	64.5
Channel 3009RR2	Channel Seed	RR2	3.0	38	2720	34.9	18.9	4.7		63.1	68.0	65.6	64.4
NuTech 3309L	NuTech Seed, LLC	LL	3.0	35	2410	36.1	19.1	4.6		70.6*	73.6	72.1	65.8
NuTech 7307	NuTech Seed, LLC	RR1	3.0	37	2310	36.7	19.2	4.5		68.9*	79.4*	74.2	65.1
Rupp rs7302	Rupp Seeds, Inc.	RR2	3.0	36	2330	36.3	18.9	4.6		68.7*	82.0**	75.4	
Streeter	Public	CV	3.0	32	2330	37.1	19.2	4.5		68.2*	70.0	69.1	
Syngenta S30-V6	Syngenta - NK Brand	RR2	3.0	34	2530	36.4	19.0	4.6		72.9*	75.1	74.0	71.4
AGI 30RY3	Advanced Genetics, Inc.	RR2	3.1	42	2310	35.4	19.2	4.6		67.7*	77.8*	72.8	67.1
Dyna-Gro S31RY86	Dyna-Gro Seed	RR2	3.1	33	2690	35.8	18.4	4.7		69.3*	71.4	70.4	67.0
Ebberts 2316RR2	Ebberts Field Seeds, Inc.	RR2	3.1	37	2300	36.1	19.1	4.6		67.2	77.8*	72.5	66.4
LG C3171R2	LG Seeds	RR2	3.1	37	2420	35.0	19.5	4.6		61.7	70.6	66.2	
SCS 9314RR™	Seed Consultants, Inc.	RR1	3.1	38	2570	35.8	19.5	4.6		67.9*	72.1	70.0	67.4
ShurGrow SG-3116R2R	Shur Grow	RR2	3.1	40	2220	36.1	19.3	4.6		64.8	75.3	70.1	64.3
W 315	Wellman Seeds, Inc.	CV	3.1	40	2630	36.7	19.1	4.5		57.2	70.1	63.7	
AG3231	Asgrow	RR2	3.2	39	2470	35.2	17.8	4.8		65.0	77.0*	71.0	69.3
AGI 32R2Y4	Advanced Genetics, Inc.	RR2	3.2	42	2360	35.9	19.0	4.6		69.5*	73.9	71.7	69.7
CZ 3233 LL	Bayer Crop Science	LL	3.2	33	2480	34.4	19.7	4.7		73.2*	78.0*	75.6	69.5
CZ 3234 LL	Bayer Crop Science	LL	3.2	37	2470	36.6	19.3	4.5		69.5*	72.4	71.0	
Key 1732L	AGRA Solutions	LL	3.2	35	2500	36.4	19.3	4.5		70.4*	70.9	70.7	
ShurGrow SG-3213R2R	Shur Grow	RR2	3.2	38	2450	36.0	19.2	4.6		72.8*	75.6	74.2	70.2
Stewart 3213R2	Stewart Seeds	RR2	3.2	37	2390	35.8	19.3	4.6		68.5*	75.4	72.0	70.5
Steyer 3205R2	Steyer Seeds	RR2	3.2	37	2400	35.8	19.3	4.6		67.4	81.4*		
W 4732	Wellman Seeds, Inc.	RR2	3.2	38	2510	36.2	18.3	4.7		72.4*	80.1*	76.3	
AG3334	Asgrow	RR2	3.3	38	2510	37.0	18.1	4.6		71.7*	77.4*	74.6	70.8
AGI 33R2Y4	Advanced Genetics, Inc.	RR2	3.3	43	2520	37.4	18.0	4.6		64.9	70.6	67.8	
Beck's 333R4™*brand	Beck's Hybrids	RR1	3.3	43	2520	35.2	19.5	4.7		70.0*	72.8	71.4	
Dyna-Gro S3305N	Dyna-Gro Seed	CV	3.3	42	2750	37.0	18.7	4.6		74.2**	82.0**	78.1	74.9
Dyna-Gro S33RY76	Dyna-Gro Seed	RR2	3.3	40	2620	34.9	19.0	4.7		73.8*	78.2*	76.0	70.2
Ebberts 2324RR2	Ebberts Field Seeds, Inc.	RR2	3.3	36	2450	35.9	19.2	4.6		71.7*	81.9*	76.8	73.6
LG C3321R2	LG Seeds	RR2	3.3	37	2630	34.4	19.4	4.7		68.4*	81.2*	74.8	70.5
P33T72R	DuPont Pioneer	RR1	3.3	40	2680	34.8	20.2	4.6		67.4	75.2	71.3	70.0
Rupp rs7332	Rupp Seeds, Inc.	RR2	3.3	39	2460	36.6	18.7	4.6		70.5*	77.9*	74.2	71.5
SCS 9335RR™	Seed Consultants, Inc.	RR1	3.3	42	2690	34.6	19.7	4.7		66.3	73.2	69.8	69.8
W 4333	Wellman Seeds, Inc.	RR2	3.3	41	2380	36.1	18.9	4.6		70.8*	79.4*	75.1	72.5
Min			2.8							54.9	63.1	60.4	60.1
Max			3.2							74.2	82.0	78.1	74.9
Mean			3.0							67.0	73.6	70.4	67.9
LSD (0.1)										6.5	6.2		
CV										8.2	7.2		

TABLE 6: The 2016 Ohio Soybean Performance Trials, *Central Region - Late Varieties (RM 3.4-3.9)*

Brand/Variety	Entry Company Name	Type	Physical Characteristics						Central Region Yield (bu/ac)			
			Rel.	Mat.	Ht. (in)	Seeds/lb.	% Protein	% Oil	% Fiber	C1	C2	'16 Mean
CZ 3443 LL	Bayer Crop Science	LL	3.4	41	2750	35.5	19.1	4.6	73.7	67.6	70.7	67.9
Beck's 345R4™*brand	Beck's Hybrids	RR1	3.4	44	2200	35.6	19.6	4.7	76.1	70.1	73.1	71.4
P34T07R2	DuPont Pioneer	RR2	3.4	41	2520	34.4	19.2	4.8	76.0	69.3	72.7	70.4
NuTech 3341L	NuTech Seed, LLC	LL	3.4	40	2670	34.4	19.6	4.7	76.4	70.3	73.4	
Lorain	Public	CV	3.4	33	2420	36.7	18.6	4.6	63.5	57.3	60.4	
ShurGrow SG-3415R2R	Shur Grow	RR2	3.4	38	2480	36.6	18.3	4.6	74.1	67.6	70.9	67.0
W 4534	Wellman Seeds, Inc.	RR2	3.4	42	2530	36.1	18.6	4.6	78.1	74.4*	76.3	
AGI 35LL01	Advanced Genetics, Inc.	LL	3.5	37	2630	36.0	19.3	4.6	81.9*	72.6	77.3	
AGI 35RY4	Advanced Genetics, Inc.	RR2	3.5	38	2510	36.0	17.8	4.7	75.0	64.4	69.7	69.6
AG3533	Asgrow	RR2	3.5	42	2580	36.4	18.2	4.7	75.4	70.6	73.0	69.0
AG3536	Asgrow	RR2	3.5	43	2710	36.4	17.6	4.7	72.6	74.4*	73.5	69.9
CZ3560 RY	Bayer Crop Science	RR2	3.5	43	2670	37.1	17.3	4.7	75.8	72.6	74.2	74.0
Channel 3509RR2	Channel Seed	RR2	3.5	41	2520	36.1	17.7	4.7	81.7*	71.8	76.8	75.2
RPM DB3517R	Doebler's PA Hybrids, Inc.	GT	3.5	37	2450	35.6	19.2	4.7	76.0	72.6	74.3	
P35T97R2	DuPont Pioneer	RR2	3.5	37	2560	36.7	18.3	4.6	77.3	72.7	75.0	70.8
SCS 9356R2™	Seed Consultants, Inc.	RR2	3.5	35	2480	36.5	18.7	4.6	77.7	74.0*	75.9	70.9
ShurGrow SG-3515R2R	Shur Grow	RR2	3.5	45	2620	36.3	19.0	4.6	79.0*	75.8*	77.4	72.2
Stewart 3516R2	Stewart Seeds	RR2	3.5	42	2510	36.2	18.0	4.7	72.6	67.9	70.3	70.4
AGI 36LL01	Advanced Genetics, Inc.	LL	3.6	39	2310	35.7	19.3	4.6	79.5*	72.6	76.1	
Key 1735L	AGRA Solutions	LL	3.6	35	2690	35.1	19.3	4.7	66.0	70.2	68.1	
CZ 3601 LL	Bayer Crop Science	LL	3.6	41	2390	35.6	19.1	4.6	75.8	79.1*	77.5	
Beck's 366L4	Beck's Hybrids	LL	3.6	40	2360	34.5	19.6	4.7	76.2	76.0*	76.1	76.1
DSR-3630/R2Y	Dairyland Seed	RR2	3.6	43	2590	35.3	19.1	4.7	77.9	81.0*	79.5	
Dyna-Gro S36LL77	Dyna-Gro Seed	LL	3.6	34	2580	35.8	19.2	4.6	81.1*	66.3	73.7	
Ebberts 2366RR2	Ebberts Field Seeds, Inc.	RR2	3.6	36	2680	34.9	18.5	4.8	77.8	77.0*	77.4	73.8
GL 3659R2	Great Lakes Hybrids	RR2	3.6	41	2800	35.1	19.4	4.7	81.0*	73.2	77.1	71.0
LG C3647R2	LG Seeds	RR2	3.6	37	2520	35.6	18.4	4.7	76.9	79.2*	78.1	72.6
SC 9367R™	Seed Consultants, Inc.	RR1	3.6	43	2500	35.8	18.7	4.7	75.8	76.1*	76.0	
Syngenta S36-Y6	Syngenta - NK Brand	RR2	3.6	41	2500	36.1	18.4	4.7	82.6*	76.2*	79.4	
W 4636	Wellman Seeds, Inc.	RR2	3.6	39	2700	35.7	18.2	4.8	76.9	80.1*	78.5	72.0
AGI 37RY3	Advanced Genetics, Inc.	RR2	3.7	43	2200	36.2	18.8	4.6	78.8*	75.2*	77.0	72.2
CZ 3737 LL	Bayer Crop Science	LL	3.7	38	2500	36.1	19.2	4.6	80.9*	80.3*	80.6	71.9
Channel 3707RR2/SR	Channel Seed	RR2/SR	3.7	44	2670	36.4	18.3	4.6	79.1*	74.5*	76.8	
DSR-3745/R2Y	Dairyland Seed	RR2	3.7	41	2660	37.4	18.4	4.5	77.5	74.8*	76.2	
Dyna-Gro S37RS96	Dyna-Gro Seed	RR2/STS	3.7	42	2640	35.1	18.4	4.8	78.4	74.3*	76.4	70.3
GL 3729R2	Great Lakes Hybrids	RR2	3.7	41	3000	36.1	18.9	4.6	85.0*	81.2**	83.1	76.6
Highpro 1	Public	CV	3.7	37	2440	42.2	16.8	4.3	70.1	59.2	64.7	
Rupp rs7377	Rupp Seeds, Inc.	RR2	3.7	38	2680	35.3	18.4	4.7	81.1*	78.8*	80.0	75.3
Syngenta S37-Z8	Syngenta - NK Brand	RR2	3.7	39	3000	36.7	18.4	4.6	80.5*	70.4	75.5	72.8
AGI 38RY3	Advanced Genetics, Inc.	RR2	3.8	43	2650	35.2	18.5	4.7	79.5*	74.4*	77.0	73.6
AG3832	Asgrow	RR2	3.8	39	2520	35.4	18.7	4.7	77.4	70.8	74.1	71.9
CZ 3841 LL	Bayer Crop Science	LL	3.8	43	2390	36.4	18.8	4.6	81.6*	73.1	77.4	73.9
Beck's 382L4	Beck's Hybrids	LL	3.8	43	2420	35.3	19.3	4.7	75.1	73.3	74.2	
Beck's 387R4™*brand	Beck's Hybrids	RR1	3.8	46	2520	34.3	19.5	4.7	74.7	78.6*	76.7	75.5
DSR-3838/R2Y	Dairyland Seed	RR2	3.8	40	2620	33.8	20.4	4.7	69.1	74.1*	71.6	
RPM DB3817R	Doebler's PA Hybrids, Inc.	GT	3.8	42	2610	35.9	18.9	4.7	74.4	71.2	72.8	
Dyna-Gro S38LL54	Dyna-Gro Seed	LL	3.8	39	2570	35.6	19.1	4.6	76.3	61.7	69.0	70.2
Ebberts 2387RR2	Ebberts Field Seeds, Inc.	RR2	3.8	45	2500	36.2	18.6	4.6	79.4*	78.0*	78.7	
SCS 9385RR™	Seed Consultants, Inc.	RR1	3.8	45	2540	35.3	19.3	4.7	82.1*	77.9*	80.0	75.7
AGI 39LL01	Advanced Genetics, Inc.	LL	3.9	37	2510	35.3	19.5	4.7	76.6	75.4*	76.0	
Beck's 394L4	Beck's Hybrids	LL	3.9	39	2450	36.3	19.0	4.6	77.4	73.3	75.4	
Dyna-Gro S39RY65	Dyna-Gro Seed	RR2	3.9	43	2550	35.4	19.1	4.7	79.1*	74.5*	76.8	72.3
HS6-3967B	Public	CV	3.9	39	2430	37.6	18.8	4.5	66.5	64.4	65.5	
Syngenta S39-C4	Syngenta - NK Brand	RR2	3.9	44	2550	35.9	19.0	4.6	85.8**	77.2*	81.5	79.0
W 4339	Wellman Seeds, Inc.	RR2	3.9	43	2410	34.5	19.2	4.7	82.8*	74.4*	78.6	75.7
			Min						63.5	55.9	60.4	67.0
			Max						85.8	81.2	83.1	79.0
			Mean						76.1	71.5	75.0	72.4
			LSD (0.1)						7.2	7.3		
			CV						8.0	8.7		

TABLE 7: The 2016 Ohio Soybean Performance Trials, *South Region - Early Varieties (RM 3.2-3.7)*

Brand/Variety	Entry Company Name	Type	Physical Characteristics						South Region Yield (bu/ac)				
			Rel.	Mat.	Ht. (in)	Seeds/lb.	% Protein	% Oil	% Fiber	S1	S2	'16 Mean	'15-'16 Mean
AG3231	Asgrow	RR2	3.2	39	2470	35.2	17.8	4.8	73.5	49.0	61.3		
CZ 3234 LL	Bayer Crop Science	LL	3.2	37	2470	36.6	19.3	4.5	69.1	59.7	64.4		
Steyer 3205R2	Steyer Seeds	RR2	3.2	37	2400	35.8	19.3	4.6	75.9*	59.9	67.9		
W 4732	Wellman Seeds, Inc.	RR2	3.2	38	2510	36.2	18.3	4.7	74.3*	61.0	67.7		
AG3334	Asgrow	RR2	3.3	38	2510	37.0	18.1	4.6	76.2*	46.9	61.6	62.2	
Dyna-Gro S33RY76	Dyna-Gro Seed	RR2	3.3	40	2620	34.9	19.0	4.7	74.6*	46.7	60.7	62.8	
Ebberts 2324RR2	Ebberts Field Seeds, Inc.	RR2	3.3	36	2450	35.9	19.2	4.6	72.3	61.3	66.8	69.8	
W 4333	Wellman Seeds, Inc.	RR2	3.3	41	2380	36.1	18.9	4.6	73.4	56.2	64.8		
CZ 3443 LL	Bayer Crop Science	LL	3.4	41	2750	35.5	19.1	4.6	69.9	57.3	63.6		
NuTech 3341L	NuTech Seed, LLC	LL	3.4	40	2670	34.4	19.6	4.7	62.9	66.7*	64.8		
W 4534	Wellman Seeds, Inc.	RR2	3.4	42	2530	36.1	18.6	4.6	74.0*	51.0	62.5		
AGI 35LL01	Advanced Genetics, Inc.	LL	3.5	37	2630	36.0	19.3	4.6	65.5	61.5*	63.5		
AG3533	Asgrow	RR2	3.5	42	2580	36.4	18.2	4.7	76.4*	59.0	67.7	67.0	
AG3536	Asgrow	RR2	3.5	43	2710	36.4	17.6	4.7	73.9	65.8*	69.9	70.2	
CZ3560 RY	Bayer Crop Science	RR2	3.5	43	2670	37.1	17.3	4.7	72.8	61.4*	67.1		
Channel 3509RR2	Channel Seed	RR2	3.5	41	2520	36.1	17.7	4.7	72.1	40.6	56.4	62.9	
RPM DB3517R	Doebler's PA Hybrids, Inc.	GT	3.5	37	2450	35.6	19.2	4.7	70.3	61.0	65.7		
Stewart 3516R2	Stewart Seeds	RR2	3.5	42	2510	36.2	18.0	4.7	71.8	42.9	57.4		
Key 1735L	AGRA Solutions	LL	3.6	35	2690	35.1	19.3	4.7	70.3	58.2	64.3		
CZ 3601 LL	Bayer Crop Science	LL	3.6	41	2390	35.6	19.1	4.6	77.9**	66.8*	72.4	72.4	
P36T14R2	DuPont Pioneer	RR2	3.6	42	2320	35.5	18.5	4.7	74.4*	61.6*	68.0	70.4	
Dyna-Gro S36LL77	Dyna-Gro Seed	LL	3.6	34	2580	35.8	19.2	4.6	75.8*	59.6	67.7		
Ebberts 2366RR2	Ebberts Field Seeds, Inc.	RR2	3.6	36	2680	34.9	18.5	4.8	69.9	55.2	62.6	64.5	
GL 3659R2	Great Lakes Hybrids	RR2	3.6	41	2800	35.1	19.4	4.7	67.2	53.3	60.3	62.5	
LG C3647R2	LG Seeds	RR2	3.6	37	2520	35.6	18.4	4.7	64.5	47.2	55.9	63.0	
NuTech 3361L	NuTech Seed, LLC	LL	3.6	36	2370	35.8	19.2	4.6	74.5*	67.3**	70.9	70.8	
SC 9367R™	Seed Consultants, Inc.	RR1	3.6	43	2500	35.8	18.7	4.7	74.5*	59.7	67.1		
W 4636	Wellman Seeds, Inc.	RR2	3.6	39	2700	35.7	18.2	4.8	63.6	54.6	59.1	61.1	
CZ 3737 LL	Bayer Crop Science	LL	3.7	38	2500	36.1	19.2	4.6	74.1*	61.6*	67.9	66.2	
Channel 3707RR2/SR	Channel Seed	RR2/SR	3.7	44	2670	36.4	18.3	4.6	71.1	62.6*	66.9		
Dyna-Gro S37RS96	Dyna-Gro Seed	RR2/STS	3.7	42	2640	35.1	18.4	4.8	65.1	47.4	56.3	62.5	
GL 3729R2	Great Lakes Hybrids	RR2	3.7	41	3000	36.1	18.9	4.6	72.5	59.4	66.0	66.8	
Highpro1	Public	CV	3.7	37	2440	42.2	16.8	4.3	67.5	59.5	63.5		
Syngenta S37-Z8	Syngenta - NK Brand	RR2	3.7	39	3000	36.7	18.4	4.6	72.3	60.0	66.2	70.9	
W 4339	Wellman Seeds, Inc.	RR2	3.9	43	2410	34.5	19.2	4.7	76.7*	58.8	67.8	69.7	
Min									62.9	40.6	55.9	61.1	
Max									77.9	67.3	72.4	72.4	
Mean									71.7	57.3	64.5	66.4	
LSD (0.1)									3.9	5.9			
CV									4.6	8.7			

TABLE 8: The 2016 Ohio Soybean Performance Trials, *South Region - Late Varieties (RM 3.8-4.5)*

Brand/Variety	Entry Company Name	Type	Physical Characteristics						South Region Yield (bu/ac)				
			Rel.	Mat.	Ht. (in)	Seeds/lb.	% Protein	% Oil	% Fiber	S1	S2	'16 Mean	'15-'16 Mean
AG3832	Asgrow	RR2	3.8	39	2520	35.4	18.7	4.7		75.7*	52.8	64.3	66.8
CZ 3841 LL	Bayer Crop Science	LL	3.8	43	2390	36.4	18.8	4.6		71.6	66.0	68.8	71.2
Beck's 382L4	Beck's Hybrids	LL	3.8	43	2420	35.3	19.3	4.7		72.8*	64.3	68.6	
Beck's 387R4™*brand	Beck's Hybrids	RR1	3.8	46	2520	34.3	19.5	4.7		76.2*	65.4	70.8	72.1
RPM DB3817R	Doebler's PA Hybrids, Inc.	GT	3.8	42	2610	35.9	18.9	4.7		69.8	66.3	68.1	
P38T42R	DuPont Pioneer	RR1	3.8	41	2510	37.1	18.8	4.5		68.7	67.6*	68.2	
Dyna-Gro S3805N	Dyna-Gro Seed	CV	3.8	42	2580	35.7	18.5	4.7		69.1	60.7	64.9	67.8
Dyna-Gro S38LL54	Dyna-Gro Seed	LL	3.8	39	2570	35.6	19.1	4.6		70.1	52.8	61.5	65.7
Dyna-Gro S38RY87	Dyna-Gro Seed	RR2	3.8	43	2630	36.0	18.9	4.6		72.6*	53.5	63.1	
Ebberts 2387RR2	Ebberts Field Seeds, Inc.	RR2	3.8	45	2500	36.2	18.6	4.6		69.6	58.6	64.1	
GL 3852NR2	Great Lakes Hybrids	RR2	3.8	41	2260	35.4	19.1	4.6		74.5*	60.5	67.5	
NuTech 3386L	NuTech Seed, LLC	LL	3.8	39	2380	35.8	19.1	4.6		73.8*	72.0**	72.9	73.1
SCS 9385RR™	Seed Consultants, Inc.	RR1	3.8	45	2540	35.3	19.3	4.7		73.6*	61.5	67.6	71.2
AGI 39LL01	Advanced Genetics, Inc.	LL	3.9	37	2510	35.3	19.5	4.7		74.2*	64.0	69.1	
AG3936	Asgrow	RR2	3.9	37	2720	36.1	18.6	4.6		72.9*	67.3*	70.1	71.5
CZ 3945 LL	Bayer Crop Science	LL	3.9	41	2570	37.1	18.0	4.6		67.4	58.8	63.1	65.0
Beck's 394L4	Beck's Hybrids	LL	3.9	39	2450	36.3	19.0	4.6		74.5*	65.0	69.8	67.8
Dyna-Gro S39RY65	Dyna-Gro Seed	RR2	3.9	43	2550	35.4	19.1	4.7		73.2*	60.1	66.7	69.5
LG C3989R2	LG Seeds	RR2	3.9	41	2850	34.3	19.6	4.7		64.6	61.3	63.0	66.8
Clermont	Public	CV	3.9	44	2510	36.9	18.0	4.6		61.1	53.6	57.4	
HS6-3967B	Public	CV	3.9	39	2430	37.6	18.8	4.5		69.3	56.6	63.0	
SCS 9393RR™	Seed Consultants, Inc.	RR1	3.9	45	2850	35.9	18.9	4.6		62.3	43.5	52.9	61.7
Syngenta S39-C4	Syngenta - NK Brand	RR2	3.9	44	2550	35.9	19.0	4.6		71.8	62.3	67.1	69.5
CZ 4044 LL	Bayer Crop Science	LL	4.0	37	2510	36.6	19.3	4.6		68.9	62.0	65.5	66.2
RPM DB4013RR	Doebler's PA Hybrids, Inc.	GT	4.0	41	2720	35.0	19.5	4.7		67.8	60.1	64.0	
AG4135	Asgrow	RR2	4.1	42	2440	36.1	19.0	4.6		70.2	62.5	66.4	71.1
CZ 4105 LL	Bayer Crop Science	LL	4.1	41	2320	37.5	18.3	4.6		77.2**	60.9	69.1	71.5
CZ 4181 RY	Bayer Crop Science	RR2	4.1	46	2370	37.8	17.4	4.6		70.0	65.6	67.8	71.0
SCS 9412RR™	Seed Consultants, Inc.	RR1	4.1	44	2490	36.3	19.0	4.6		68.6	55.1	61.9	68.4
Dyna-Gro S42RY77	Dyna-Gro Seed	RR2	4.2	40	2550	36.1	18.7	4.6		69.2	66.7*	68.0	
SCS 9456SR™	Seed Consultants, Inc.	RR1	4.5	36	2580	36.8	18.1	4.6		75.5*	63.5	69.5	
			Min							61.1	43.5	52.9	61.7
			Max							77.2	72.0	72.9	73.1
			Mean							70.4	60.8	65.9	68.8
			LSD (0.1)							5.1	5.6		
			CV							6.2	7.8		

TABLE 9: The 2016 Ohio Soybean Performance Trials, All Regions - Xtend (RM 2.1-4.2)

Brand/Variety	Entry Company Name	Physical Characteristics		Yield At Each Location (bu/acre)						'16 Mean
		Rel. Mat.	Ht. (in)	N1	N2	C1	C2	S1	S2	
RS21XT10	Rupp Seeds, Inc.	2.1	29.0	52.3	47.6	NT*	NT	NT	NT	50.0
AGI 2701RX	Advanced Genetics, Inc.	2.7	31.0	53.6	54.6	61.2	66.9	NT	NT	59.1
Rupp rs27XT61	Rupp Seeds, Inc.	2.7	33.0	58.4	55.7	NT	NT	NT	NT	57.1
ShurGrow SG-2726R2X	Shur Grow	2.7	36.0	55.5	53.4	59.5	69.3	NT	NT	59.4
Steyer 2704XR	Steyer Seeds	2.7	35.0	54.7	58.6	60.4	64.1	NT	NT	59.5
W 5627	Wellman Seeds, Inc.	2.7	29.0	58.0	54.0	59.7	61.7	NT	NT	58.4
Channel 2817RR2Xtend	Channel Seed	2.8	41.0	60.8	60.7	59.9	70.4	NT	NT	63.0
AGI 3001RX	Advanced Genetics, Inc.	3.0	41.0	61.5*	59.8	64.0	73.9	NT	NT	64.8
Beck's 3091X2	Beck's Hybrids	3.0	39.0	55.8	57.2	NT	NT	NT	NT	56.5
Channel 3017RR2Xtend	Channel Seed	3.0	35.0	55.2	63.2	60.9	68.2	NT	NT	61.9
Dyna-Gro S30XT96	Dyna-Gro Seed	3.0	41.0	61.0	61.9	64.1	74.7	NT	NT	65.4
Ebberts 306R2X	Ebberts Field Seeds, Inc.	3.0	39.0	58.8	55.8	66.5	73.4	NT	NT	63.6
LG C3026RX	LG Seeds	3.0	42.0	59.4	57.9	NT	NT	NT	NT	58.7
Rupp rs30XT29	Rupp Seeds, Inc.	3.0	37.0	53.3	58.4	66.0	71.9	NT	NT	62.4
ShurGrow SG-3026R2X	Shur Grow	3.0	38.0	54.4	63.7	60.6	76.3	NT	NT	63.8
Steyer 3003XR	Steyer Seeds	3.0	41.0	54.1	57.8	61.3	75.3	NT	NT	62.1
W 5630	Wellman Seeds, Inc.	3.0	42.0	59.0	57.8	62.5	70.9	38.1	56.4	57.5
GL 3267NRX	Great Lakes Hybrids	3.2	33.0	60.1	60.8	62.8	72.1	NT	NT	64.0
Steyer 3206XR	Steyer Seeds	3.2	36.0	59.4	61.9	66.8	77.4	72.8*	66.3*	67.4
AGI 3301RX	Advanced Genetics, Inc.	3.3	36.0	59.3	61.4	64.4	74.1	NT	NT	64.8
Beck's 3353X2	Beck's Hybrids	3.3	35.0	55.3	54.7	NT	NT	NT	NT	55.0
P33T19X	DuPont Pioneer	3.3	36.0	58.5	55.3	NT	NT	NT	NT	56.9
Dyna-Gro S33XT07	Dyna-Gro Seed	3.3	36.0	63.9*	60.9	66.1	73.1	NT	NT	66.0
Ebberts 337R2X	Ebberts Field Seeds, Inc.	3.3	35.0	60.6	58.0	66.1	72.2	72.0	60.2	64.9
RS33XT63	Rupp Seeds, Inc.	3.3	37.0	62.6*	59.0	65.2	71.9	NT	NT	64.7
ShurGrow SG-3327R2X	Shur Grow	3.3	38.0	60.8	61.3	61.0	72.5	NT	NT	63.9
Stewart 3337R2X	Stewart Seeds	3.3	39.0	60.7	63.2	64.7	74.1	NT	NT	65.7
W 5733	Wellman Seeds, Inc.	3.3	40.0	61.4*	56.4	68.4	74.2	71.7	62.7	65.8
Channel 3417RR2Xtend	Channel Seed	3.4	41.0	64.2*	64.3	66.5	77.5	72.7*	59.2	67.4
GL 3460NRX	Great Lakes Hybrids	3.4	37.0	63.5*	63.2	70.1*	79.3*	76.9*	62.9	69.3
Steyer 3408XR	Steyer Seeds	3.4	35.0	63.2*	60.3	64.1	72.7	73.2*	56.0	64.9
AGI 3501RX	Advanced Genetics, Inc.	3.5	36.0	63.2*	62.1	72.5*	76.1	NT	NT	68.5
P35T75X	DuPont Pioneer	3.5	40.0	NT	NT	68.1	71.7	NT	NT	69.9
Dyna-Gro S35XT97	Dyna-Gro Seed	3.5	35.0	NT	NT	68.8*	81.2*	72.8*	63.7	71.6
Ebberts 357R2X	Ebberts Field Seeds, Inc.	3.5	35.0	66.7**	61.1	67.4	75.0	67.5	56.0	65.6
LG C3550RX	LG Seeds	3.5	38.0	NT	NT	73.0*	77.3	NT	NT	75.2
SG 3527R2X	Shur Grow	3.5	40.0	NT	NT	66.2	74.7	70.4	59.2	67.6
Stewart 3527R2X	Stewart Seeds	3.5	36.0	62.9*	58.8	65.9	74.0	73.0*	63.2	66.3
Channel 3617RR2Xtend	Channel Seed	3.6	43.0	65.3*	66.2	74.1**	82.5*	73.8*	61.5	70.6
P36T36X	DuPont Pioneer	3.6	41.0	NT	NT	NT	NT	69.9	69.2*	69.6
W 5736	Wellman Seeds, Inc.	3.6	37.0	60.8	60.7	65.8	73.2	70.8	56.9	64.7
AGI 3701RX	Advanced Genetics, Inc.	3.7	38.0	NT	NT	70.7*	80.5*	NT	NT	75.6
Beck's 3753X2	Beck's Hybrids	3.7	38.0	NT	NT	65.8	77.6*	NT	NT	71.7
Dyna-Gro S37XT47	Dyna-Gro Seed	3.7	40.0	NT	NT	62.3	75.8	74.7*	59.0	68.0
Ebberts 377R2X	Ebberts Field Seeds, Inc.	3.7	40.0	63.4*	65.1	65.5	77.2	72.6*	57.3	66.9
Dyna-Gro S38X46	Dyna-Gro Seed	3.8	46.0	NT	NT	NT	NT	67.0	61.1	64.1
Stewart 3816R2X	Stewart Seeds	3.8	44.0	NT	NT	69.1*	79.0*	67.0	57.4	68.1
Stewart 3827R2X	Stewart Seeds	3.8	42.0	66.7**	74.9**	68.6	82.9**	76.3*	66.4*	72.6
Steyer 3806XR	Steyer Seeds	3.8	39.0	NT	NT	63.2	80.9*	72.3*	57.5	68.5
AGI 3901RX	Advanced Genetics, Inc.	3.9	46.0	NT	NT	71.8*	81.9*	62.8	58.5	68.8
Beck's 3953X2	Beck's Hybrids	3.9	43.0	NT	NT	NT	NT	67.9	67.4	67.7
Channel 3917RR2Xtend	Channel Seed	3.9	45.0	NT	NT	NT	NT	72.1	68.6*	70.4
P39T28X	DuPont Pioneer	3.9	40.0	NT	NT	NT	NT	71.6	65.5*	68.6
LG C3911RX	LG Seeds	3.9	45.0	NT	NT	NT	NT	77.3**	66.4*	71.9
Channel 4116RR2Xtend	Channel Seed	4.1	45.0	NT	NT	NT	NT	73.5*	65.7*	69.6
Stewart 4116R2X	Stewart Seeds	4.1	44.0	NT	NT	NT	NT	72.2	70.9**	71.6
Beck's 4291X2	Beck's Hybrids	4.2	45.0	NT	NT	NT	NT	75.4*	68.9*	72.2
Min		2.1		52.3	47.6	59.5	61.7	38.1	56.0	50.0
Max		4.2		66.7	74.9	74.1	82.9	77.3	70.9	75.6
Mean		3.4		59.7	59.7	65.5	74.5	71.7	62.3	65.4
LSD (0.1)				5.4	6.2	5.3	5.3	5.0	6.5	
CV				7.7	8.9	6.9	6.1	5.9	8.8	

*NT = Not tested; Variety was not tested in that location.