

OHIO SOYBEAN PERFORMANCE TRIALS 2001

James E. Beuerlein, Professor, Dept. of Horticulture & Crop Science
Steve St. Martin, Professor, Dept. of Horticulture & Crop Science
Anne Dorrance, Assistant Professor, Dept. of Plant Pathology
Chris D. Kroon Van Diest, Research Associate, Dept. of Horticulture & Crop Science
 Ohio State University Extension /OARDC
 The Ohio State University, College of Food, Agriculture and Environmental Science

INTRODUCTION

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

METHOD OF CONDUCTING TRIALS

Entries in Trials. Entries in the Ohio Soybean Performance Trials are accepted if the seed will be available to Ohio farmers for the planting season following the trials. All 2001 entries were submitted voluntarily by seed companies and the Ohio Seed Improvement Association. Entry fee charges were made per entry and location.

Normal and Roundup Ready (RR) Test. The same production, testing and evaluation techniques, except for weed control, were used for Normal tests and Roundup Ready tests. The performance of Normal entries and Roundup Ready entries is not comparable statistically because they were not tested together and because different weed control programs were used for the two tests.

FIELD PLOT DESIGN

The entries for each maturity grouping of each variety type at each test site were planted in a randomized complete-block design. Each entry was replicated four times and planted in plots 45 ft. long and 5 ft. wide containing four rows seeded at 170,000 seeds per acre.

PRODUCTION PRACTICES AND RAINFALL

The production practices used at each location are shown in Table 1. 2001 rainfall is shown in Table 2. Excessive rainfall and flooding during June severely reduced the plant stand and yield of most entries at the N1 test site. Yield data from that site is not reported.

MEASUREMENTS AND RECORDS

Relative maturity. Relative maturity is a rating designed to account for all of the factors that affect maturity date and number of days from planting to maturity. These factors include variety, planting date, weather, latitude and disease. The method used to determine maturity was the 95% brown pods reading. 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.

Table 1. 2001 Cultural Practices by Test Site

	N1 Henry Co.	N2 Huron Co.	C1 Mercer Co.	C2 Delaware Co.	S1 Preble Co.	S2 Clinton Co.
<u>Tillage</u>						
Fall	None	Chisel	Chisel	None	None	Chisel
Spring	None	Chisel	Disk	None	None	Field Cultivator
<u>Normal Variety Weed Control</u>						
Preemergence	Roundup* Canopy/Dual II	Canopy**/Dual II	Roundup Canopy/Dual II	Roundup Canopy/Dual II	Roundup Canopy/Dual II	Canopy/Dual II
Postemergence	Basagran/Flexstar /Select	Basagran/Flexstar /Select		Basagran/Flex- star/Select	Basagran/ Flex- star/Select	Basagran/Flexstar /Select
<u>RR Variety Weed Control</u>						
Pre/Postemergence	Roundup	Roundup	Roundup	Roundup	Roundup	Roundup
Soil Type	Hoytville	Kibbie	Mercer	Blount	Crosby	Westland
Soil pH	6.2	6.1	6.0	6.0	6.9	6.1
Soil Test P(ppm)	59	36	12	18	21	40
Soil Test K(ppm)	263	124	139	172	271	201
Plant Date	5/14	5/10	5/24	5/9	6/10	6/15
Harvest Date	10/26	10/4	10/31	10/1	10/30	10/29
Previous Crop	Corn	Corn	Corn	Corn	Corn	Corn
Fertilizer	0-0-0	0-0-0	0-0-0	0-0-0	0-0-0	0-0-0

* Roundup=Roundup Ultra Max throughout; **Canopy = Canopy XL throughout.

Table 2. 2001 Rainfall Data

	N1 Henry Co.	N2 Huron Co.	C1 Mercer Co.	C2 Delaware Co.	S1 Preble Co.	S2 Clinton Co.
-----2001 (Normal)-----						
May	13.7 (3.3)	2.7 (3.6)	5.9 (4.1)	5.6 (3.8)	5.4 (3.8)	6.9 (4.7)
June	1.7 (3.5)	1.8 (3.9)	2.2 (3.8)	2.2 (3.8)	5.4 (3.9)	2.1 (3.6)
July	2.2 (4.0)	1.8 (4.2)	5.6 (4.4)	2.5 (3.8)	1.7 (3.4)	3.2 (3.9)
August	1.7 (3.1)	2.8 (3.5)	4.4 (3.6)	2.8 (3.1)	4.6 (3.1)	2.3 (3.5)
September	2.0 (2.8)	3.5 (3.2)	3.1 (3.3)	0.3 (2.9)	7.3 (2.7)	1.2 (3.0)
TOTAL	21.3 (16.7)	12.6 (18.4)	21.2 (19.2)	13.4 (17.4)	24.4 (16.9)	15.7 (18.7)

Plant height was taken just prior to harvest from the N2 site where plants were very tall with some lodging. The average height (inches) of several plants was recorded.

Lodging score. Data collected at N2. 1 = nearly all plants erect; 2 = most plants leaning slightly; 3 - most plants leaning moderately (45°); 4 = most plants horizontal well above soil surface; 5 = 80 percent or more of plants down on soil surface.

Seed size is reported as 1000s of seeds per pound.

Protein and oil % analysis was determined by near infrared transmittance technology. The test was performed by the OSU Grain Quality Lab using a Tekator Infratec whole grain analyzer calibrated with the Composition Systems Calibration developed at Iowa State University and is reported at 13% moisture.

Phytophthora Resistance Genes. Phytophthora resistance genes were determined using a hypocotyl inoculation test. In this test, several races of Phytophthora are used to determine the presence or absence of a particular *Rps* gene. The *Rps* genes (*Rps1a*, *Rps1c*, etc.) detected in a variety are listed in the Table 3-8. An "S" indicates the variety is segregating for resistance and not all of the plants carried an *Rps* gene. An "nd" indicates no resistance genes were detected.

Phytophthora Partial Resistance. All varieties were evaluated for partial resistance. Partial resistance is a multi-genic characteristic that provides some level of protection against all known races of Phytophthora. Ratings of 3.0 to 3.9 are considered high levels of partial resistance and will provide good levels of control. Ratings of 4.0 to 5.9 are considered moderate and will allow some yield loss when environmental conditions favor Phytophthora. Ratings over 6.0 indicate very little partial resistance or protection against Phytophthora.

For Ohio Producers with fields with a history of Phytophthora root and stem, varieties should have a combination of *Rps* genes plus partial resistance to Phytophthora for the best protection.

Sclerotinia Rating. There are no known sources of resistance to Sclerotinia that will totally eliminate disease development. The resistance to Sclerotinia is a type of partial resistance where less disease - fewer plants develop Sclerotinia than more susceptible varieties. In this years test, all of the varieties were susceptible. Some varieties have a moderate level of resistance to Sclerotinia and are identified with an "M." If inoculum levels are high and the environment is very favorable, all varieties will develop Sclerotinia stem rot. The "moderately resistant varieties (M)" will develop much less disease than varieties without the "M" designation.

Yield. Each soybean variety was harvested at a moisture content between 10 and 17 percent and yields computed to bushels per acre 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 70% of the time if their yields differ by more than the LSD value shown for that maturity group.

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 the Ohio State University Extension.

This report can be found on the internet at: www.ag.ohio-state.edu/~perf Any data column can be sorted by clicking at the top of the column.

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**DIRECTORY OF COMPANIES AND VARIETY BY MATURITY IN THE
2001 OHIO SOYBEAN PERFORMANCE TRIALS**

Physical Characteristics and Yield Data for an entry can be located using the Table Number or Relative Maturity value associated with each entry in this table.

<u>Company/Variety</u>	<u>Rel. Mat.</u>	<u>Tbl. #</u>	<u>Company/Variety</u>	<u>Rel. Mat.</u>	<u>Tbl. #</u>	<u>Company/Variety</u>	<u>Rel. Mat.</u>	<u>Tbl. #</u>
Advanced Genetics, Inc.			Dairyland Seed Co., Inc.			Great Lakes Hybrids		
PO Box 145			PO Box 958, 3570 Hwy H			9915 West M-21		
Croton, OH 43013-0145			West Bend, WI 53095			Ovid, MI 48866-9628		
740-893-2501			800-236-0163			517-834-2251		
debolt@sota-oh.com			tstrachota@dairylandseed.com			mitch.ray@greatlakeshybrids.com		
AGI 7343	3.6	4,6	DSR 290/RR	2.9	4	GL 2704RR	2.9	4,6
AGI 7374	3.8	8	DSR 301/STS	3.0	4	GL 2919RR	3.1	4,6
Beck's Superior Hybrids			DSR 309/STS	3.0	3	GL 3409RR	3.5	4,6
6767 East 276th Street			DST 3143/RR	3.0	4,6,8	GL 3619RR	3.7	6,8
Atlanta, IN 46031-9435			DSR 299/STS	3.3	3	GL 3699	3.9	5
800-937-2325			DSR 322/RR	3.5	4,6	Gries Seed Farms, Inc.		
Beck 288	2.8	3	DSR 375/RR	3.9	6	2348 N Fifth Street		
Beck 283RR	2.9	4	DSR 357/RR	4.1	6,8	Fremont, OH 43420-9582		
Beck 295NRR	3.1	4	Donley Seed Company, Inc.			419-332-5571		
Beck 336NRR	3.3	6	4796 Dildine Rd			gsfseeds@ezworks.net		
Beck 323RR	3.4	4,6	Delaware, OH 43015-8594			GSF 300RR		
Beck 349	3.5	3	800-589-6704			GSF 329RR		
Beck 352RR	3.6	4,6	AV 2261			3.2 4,6		
Beck 367NRR	3.9	6	2.8 4,6			3.6 4,6		
Beck 387NRR	3.9	6,8	Ebberts Field Seeds, Inc.			Helena Chemical		
Beck 417NRR	4.0	8	6840 N State Route 48			PO Box 302		
Beck 402RR	4.1	8	Covington, OH 45318-9604			Bluffton, IN 46714-0302		
Bio Gene Seeds			888-802-5715			219-824-8825		
5491 Tri County Hwy.			ebbertsfieldseed@aol.com			warnerb@helenachemical.com		
Sardinia, OH 45171-9709			Ebberts E1361RR	3.8	4,6,8	HS 2812RR		
888-862-3276			Ebberts E1311RR	3.2	4,6	HS 2911		
seeds@biogeneseeds.com			Ebberts E2311STS	3.3	3,5,7	HS 3111		
BG 2800RR	2.9	4	Ebberts E1281RR	3.1	4,6	HS 3312RR/N		
BG 3300NRR	3.5	4	Ebberts E1321RR	3.6	4,6,8	HS 3612RR/N		
BG 3720NRR	4.0	8	Ebberts E1341RR	3.6	6,8	Houck Seed Co.		
BG 3900NRR	4.1	8	Ebberts E2330STS	3.6	5,7	2288 US Route 20		
BG 4401NRR	4.3	8	Ebberts E1372RR	3.8	6,8	Monroeville, OH 44847		
Champaign Landmark, Inc.			Ebberts E1380RR	3.9	6,8	419-465-4525		
140 South Main Street			Ebberts E1351RR	4.0	6,8	shawn@houckseed.com		
Mechanicsburg, OH 43044-1197			Ebberts E1352RR	4.0	6,8	Houck HS4247RR		
800-231-SEED			Ebberts E3380	4.0	5,7	Houck HS4297RR		
ShurGrow SG280RR	3.0	4,6,8	Garst & AgriPro Seeds			Houck HS4307RR		
ShurGrow SG299RR	3.2	4,6,8	2369 330th Street, PO Box 500			Houck HS4347RR		
ShurGrow 311STS	3.3	3,5,7	Slater, IA 50244-0500			Houck HS4348RR		
ShurGrow SG328	3.6	3,5,7	800-831-6630			Houck HS4378RR		
ShurGrow SG340RR	3.6	4,6,8	www.garstseed.com			Houck HS4377RR		
ShurGrow SG351RR	3.8	4,6,8	2502RR	2.6	4	LG Seeds		
ShurGrow SG370RR	3.9	4,6,8	D 294RR/N	2.9	4	1122 E 169th Street		
ShurGrow SG398	3.9	3,5,7	3083RR	3.3	4,6	Westfield, IN 46074-9601		
ShurGrow SG360RR	4.0	4,6,8	3525	3.4	5	800-677-3006		
Crow's			3280	3.5	3	mwseem@lgseeds.com		
612 E. Dunlap Street			D 355RR	3.7	6,8	C 2811RR		
Kentland, IN 47951-1230			3712RR/N	3.8	8	C 9284 RR		
800-331-7201			3792RR/N	3.8	6,8	C 3201		
whksu@aol.com			D 333RR/N	3.9	6	C 3767RR		
C 2606R	2.7	4	3880	3.9	7	C 3505RR		
C 3115R	3.2	6	D 399RR/N	4.2	8	2.9 4,6		
C 3715R	3.9	8				3.0 4,6		
						3.1 3,5		
						3.6 6,8		
						3.9 4,6		

Table 3. 2001 Ohio Soybean Performance Trials: North Region Normal Varieties

Entry		See "Measurements and Records" in Text for Description										Yield Bu/ac			
Brand/Variety	Company	Rel. Mat.	Plant Ht.	Lodg. Score	1000		% Prot.	% Oil	Sclero -tinia Tol.	Phytophthora		N1	N2	2001 Mean	'00-'01 Mean
					Seeds /lb	%				Resist. Gene	Partial Resist.				
EARLY (Relative Maturity 2.3-3.3)															
Vertex	Public	2.3	33	1	2.5	39.6	22.4		1k	6.0		59.4		47.9	
Tiffin	Public	2.7	36	1	3.5	40.1	21.4	M	1c+3a	7.0		63.0		59.0	
Ohio FG3	Public	2.7	33	1	2.2	42.5	20.0		1k+3a			53.8			
Sandusky	Public	2.8	32	1	2.9	39.9	22.0		1k	5.2		65.3		53.0	
Flint	Public	2.8	33	1	3.0	40.0	22.0		1k	4.2		56.3		48.9	
AV 2261	Ferguson Seeds Inc.	2.8	32	1	2.9	40.2	22.0		nd	5.8		64.9			
Vigoro V283	Royster-Clark Inc.	2.8	33	1	3.1	40.7	20.2		nd	5.5		64.4			
Beck 288	Beck's Superior Hybrids	2.8	35	1	2.8	42.0	19.4		nd	6.2		68.9			
DSR 309/RR	Dairyland Seed Co. Inc.	3.0	34	1	3.0	41.1	21.6		nd	3.5		63.2		56.8	
C 3201	LG Seeds	3.1	30	1	2.8	40.9	20.6		3a	7.8		77.3		58.9	
DSR 299/STS	Dairyland Seed Co. Inc.	3.3	40	1	2.9	40.9	20.3		1c	3.7		65.5		58.8	
Shur Grow SG311STS	Champaign Landmark Inc.	3.3	34	1	3.0	41.2	21.6		nd			67.2			
Ebberts E2311STS	Ebberts Field Seeds Inc.	3.3	35	1	3.1	41.3	21.0		nd	3.3		67.9			
Average											64.4	54.7			
LSD 0.30											3.2				
LATE (Relative Maturity 3.4-4.1)															
Darby	Public	3.4	37	1	3.0	41.1	21.2		1k	5.0		56.7		52.5	
Resnik	Public	3.4	37	1	3.0	42.4	20.4		1k	3.7		61.5		54.6	
Ohio FG1	Public	3.4	35	1	1.8	42.7	19.8	M	3a	4.6		59.2		48.9	
3280	Garst & AgriPro Seeds	3.5	29	1	2.7	40.2	21.3		1k	5.8		61.6			
Stout*	Public	3.5	22	1	2.7	40.8	21.9		1a	5.0		58.9		48.7	
Beck 349	Beck's Superior Hybrids	3.5	36	1	3.0	42.3	20.6		1k	4.7		68.7		61.5	
Shur Grow SG328	Champaign Landmark Inc.	3.6	37	3	2.7	42.8	19.7		1a	5.0		68.1		59.3	
Stalwart*	Public	3.7	28	1	2.7	39.2	22.4		1k	4.7		59.3			
Kottman	Public	3.7	36	1	2.7	42.0	20.1		1k+3a	4.2		76.3		58.9	
Pioneer 93B87	Pioneer Hi-Bred Int'l.	3.8	37	1	2.7	42.5	20.2		1k	4.3		68.4			
Shur Grow SG398	Champaign Landmark Inc.	3.9	38	2	3.0	40.4	21.2		nd	3.8		60.6		52.7	
TS 401	Thompson Seed Farm	3.9	41	1	2.6	40.4	21.6		3a	4.9		65.3		55.7	
General	Public	3.9	40	1	2.7	42.2	20.5		1k	3.8		65.2		55.3	
Strong*	Public	4.1	30	1	2.7	40.4	21.6		1a	7.5		57.3		43.6	
Average											63.4	53.8			
LSD 0.30											4.0				

*Semi-dwarf variety

Table 4. 2001 Ohio Soybean Performance Trials: North Region Roundup Ready Varieties

Entry		See "Measurements and Records" in Text for Description										
Brand/Variety	Company	1000		Sclero		Phytophthora		Yield Bu/ac		2001 Mean	'00-'01 Mean	
		Rel. Mat.	Plant Ht.	Lodg. Score	Seeds / lb	% Prot.	% Oil	-tinia Tol.	Resist. Gene			Partial Resist.
EARLY (Relative Maturity 2.5-3.1)												
RS 4278RR	Rupp Seeds Inc.	2.5	33	1	3.7	40.0	21.2		1c	3.8	65.4	
Asgrow AG2402	Monsanto	2.5	35	1	3.4	40.4	21.4		1k	4.0	60.6	
Gro-Mor 2701RR	Luckey Farmers Inc.	2.6	32	1	3.7	40.1	21.1		1k	4.3	59.1	54.7
2502RR	Garst & AgriPro Seeds	2.6	30	1	3.1	40.2	21.9		1k	6.7	66.9	
DG 3263RR	UAP Great Lakes	2.6	39	1	3.2	40.2	21.5		1k	7.8	63.0	
Asgrow AG2606	Monsanto	2.6	31	1	3.2	40.9	21.5		1k	6.3	64.3	59.4
RS 4230RR	Rupp Seeds Inc.	2.6	32	1	3.5	42.1	20.9		1a	7.3	69.5	
GR 2626	Midwest Seed Genetics	2.7	33	1	3.1	39.7	21.8		1k	7.7	61.4	
C 2606R	Crow's Hybrid Corn Co.	2.7	33	1	3.2	39.8	21.5		1k	8.0	56.8	
Stine 2536-4	Stine Seed Company	2.7	31	1	3.5	40.6	21.2		1a	4.0	63.1	
Anderson 242	The Andersons	2.7	37	1	3.4	40.9	20.3		1k	4.5	65.6	
Pioneer 92B84	Pioneer Hi-Bred Int'l.	2.7	31	1	3.2	43.0	20.7		1k	6.2	62.3	
Strike 2501RR	Strike Brand Genetics	2.8	32	1	3.4	40.7	20.5	M	1k	3.7	64.3	
Anderson 282	The Andersons	2.8	33	1	3.3	40.7	20.7		1k	4.8	65.8	
RS 4265RR	Rupp Seeds Inc.	2.8	32	1	3.3	40.9	20.6		nd	5.5	64.6	58.1
DG 3270RR	UAP Great Lakes	2.8	38	1	3.1	41.0	21.6		1k	4.8	68.8	
Strike 2801RR	Strike Brand Genetics	2.8	31	1	3.3	41.3	20.4		1k	3.7	65.3	
Stine 2736-4	Stine Seed Company	2.8	33	1	3.3	41.4	20.4		1k	4.8	65.7	
DG 3278RR	UAP Great Lakes	2.8	32	1	3.1	42.1	19.8		1k	4.8	63.8	57.4
C 2811 RR	LG Seeds	2.9	35	1	3.3	39.4	21.0		1k	6.2	59.3	
SC 9302RR	Seed Consultants Inc.	2.9	32	1	3.4	40.3	21.3		1c	3.8	69.0	
Pioneer 92B95	Pioneer Hi-Bred Int'l.	2.9	25	1	3.7	40.3	21.0		nd	6.0	64.8	
GL 2704RR	Great Lakes Hybrids	2.9	37	1	2.8	40.9	20.9		nd	3.8	63.1	
Beck 283RR	Beck's Superior Hybrids	2.9	33	1	3.5	41.0	20.6		1k	4.3	67.8	
HS 2812 RR	Helena Chemical	2.9	30	1	3.3	41.6	20.1		1k	6.3	67.4	
BG 2800RR	Bio Gene Seeds	2.9	38	1	3.1	41.8	21.2				61.7	
Houck HS 4297RR	Houck Seed Company	2.9	33	1	3.1	42.5	19.7		1k	3.8	61.9	59.7
DSR 290/RR	Dairyland Seed Co. Inc.	2.9	36	1	3.5	42.6	19.3		nd	3.7	66.6	
D 294RR/N	Garst & AgriPro Seeds	2.9	40	1	3.4	43.0	19.5		nd	3.7	67.7	
Houck HS 4247RR	Houck Seed Company	2.9	38	1	3.4	43.1	20.1				62.7	
DSR 301/STS	Dairyland Seed Co. Inc.	3.0	34	1	3.0	39.6	22.1		nd		61.7	
DSR 3143/RR	Dairyland Seed Co. Inc.	3.0	41	2	2.8	40.0	21.3		nd	3.8	66.6	
HS 3111 RR	Helena Chemical	3.0	30	1	3.4	40.2	21.4		1k	3.3	63.9	60.8
Strike 3101RR	Strike Brand Genetics	3.0	35	1	3.5	41.0	20.8		1k	4.0	65.7	
Vigoro V300RR	Royster-Clark Inc.	3.0	29	1	3.3	41.3	20.5		1a	3.7	68.1	
C 9284 RR	LG Seeds	3.0	33	1	3.0	42.3	21.2	M	1k	3.7	65.0	57.8
HS 2911 RR/N	Helena Chemical	3.0	30	1	3.4	42.3	20.1		1c	5.2	70.6	61.0
Vigoro V281RR	Royster-Clark Inc.	3.0	35	1	2.7	42.5	20.5	M	1k	5.2	69.4	58.7
Shur Grow SG280RR	Champaign Landmark Inc.	3.0	28	1	3.4	42.9	20.1		1a	5.2	64.1	62.0
RS 4289RR	Rupp Seeds Inc.	3.0	35	1	3.2	43.1	20.2		1a	4.0	61.9	58.5
Ebberts E1281RR	Ebberts Field Seeds Inc.	3.1	27	1	3.4	39.1	21.2			8.0	63.1	56.3
SC 9288RR	Seed Consultants Inc.	3.1	33	1	3.3	41.9	20.9		1a	3.8	59.1	55.9
GL 2919RR	Great Lakes Hybrids	3.1	38	1	3.0	42.3	21.2		1c	3.3	72.6	60.3
Beck 295NRR	Beck's Superior Hybrids	3.1	36	1	2.9	42.3	21.2		1k	3.8	74.0	
Average										64.9	58.6	
LSD 0.30										2.6		

Table 4. 2001 Ohio Soybean Performance Trials: North Region Roundup Ready Varieties - continued

Entry		See "Measurements and Records" in Text for Description										Yield Bu/ac	
Brand/Variety	Company	1000		Sclero		Phytophthora		Yield Bu/ac		2001 Mean	'00-'01 Mean		
		Rel. Mat.	Plant Ht.	Lodg. Score	Seeds / lb	% Prot.	% Oil	-tinia Tol.	Resist. Gene			Partial Resist.	N1
LATE (Relative Maturity 3.2-4.1)													
GR 3101	Midwest Seed Genetics	3.2	33	1	3.3	40.6	20.1		1k	4.8	63.4		
Ebberts E1311RR	Ebberts Field Seeds Inc.	3.2	33	1	3.4	40.7	21.0		1k	4.2	70.3		
Gro-Mor 3201RR	Luckey Farmers Inc.	3.2	28	1	3.3	41.5	20.7		1k	5.0	58.3	57.1	
Shur Grow SG299RR	Champaign Landmark Inc.	3.2	33	1	3.4	42.0	20.3		1c	4.0	67.7	61.0	
GSF 300RR	Gries Seed Farms Inc.	3.2	33	1	3.7	42.2	20.4		1c	5.0	64.7	59.7	
Stine 3183-4	Stine Seed Company	3.3	36	1	3.5	40.0	21.3		1a	3.8	61.1	56.9	
3083RR	Garst & AgriPro Seeds	3.3	36	1	3.5	41.5	20.3		1k	3.8	65.1	58.1	
Stine 3283-4	Stine Seed Company	3.3	30	1	3.3	42.0	20.6		1k	4.0	67.8	59.8	
RS 4316RR	Rupp Seeds Inc.	3.3	36	1	3.2	42.5	20.1		nd	3.5	66.5	56.0	
Houck HS 4347RR	Houck Seed Company	3.4	36	1	3.4	39.9	20.8				62.3		
DG 3334RR	UAP Great Lakes	3.4	37	1	3.1	40.2	21.4		1k	3.5	67.8		
Beck 323RR	Beck's Superior Hybrids	3.4	33	1	3.0	40.7	21.7		1c	4.3	68.4	60.4	
DG 3324RR	UAP Great Lakes	3.4	32	1	3.0	40.8	21.2		1a	3.8	69.5		
GL 3409RR	Great Lakes Hybrids	3.5	37	1	3.3	39.2	21.4		1c	4.0	68.7		
Dekalb DKB32-52	Monsanto	3.5	35	1	3.3	39.8	21.1		1k	3.8	69.5		
Pioneer 93B53	Pioneer Hi-Bred Int'l.	3.5	32	1	3.1	40.2	21.5		1k	5.0	72.8		
SC 9320RR	Seed Consultants Inc.	3.5	35	1	3.0	40.3	21.2		1k	5.5	61.9	57.9	
DSR 322/RR	Dairyland Seed Co. Inc.	3.5	39	1	3.1	40.3	21.7		1k	4.3	64.2		
HS 3312 RR/N	Helena Chemical	3.5	37	1	3.3	40.3	21.2		1k	5.7	67.1		
DG 3312RR	UAP Great Lakes	3.5	39	1	2.8	40.9	21.1		1c	4.8	63.9		
Houck HS 4307RR	Houck Seed Company	3.5	29	1	3.2	41.0	20.8				68.6		
BG 3300NRR	Bio Gene Seeds	3.5	35	1	3.2	41.3	20.5		1c	6.2	63.5		
Asgrow AG3302	Monsanto	3.5	41	2	2.8	41.4	20.1		1c	5.7	73.4	60.4	
Dekalb DKB31-51	Monsanto	3.5	41	1	2.9	41.4	21.1	M	1k	3.8	71.5	62.0	
Ebberts E1321RR	Ebberts Field Seeds Inc.	3.6	38	1	2.9	40.3	21.4		1c	5.3	65.9		
AGI 7343RR	Advanced Genetics	3.6	34	1	3.2	40.7	20.9		1a	3.8	68.1		
GSF 329RR	Gries Seed Farms Inc.	3.6	38	1	2.7	40.8	21.3		1k	6.5	64.7		
SSC 300RR	Schlessman Seed Co.	3.6	35	1	2.8	41.0	21.2		1k	5.5	64.5		
TS 3134RR	Thompson Seed Farm	3.6	33	1	3.3	41.1	20.8		nd	4.3	65.2		
Shur Grow SG340RR	Champaign Landmark Inc.	3.6	36	1	3.3	41.2	20.6		1a	4.8	64.2	58.0	
Beck 352RR	Beck's Superior Hybrids	3.6	40	1	3.3	41.5	19.5		1c	4.3	73.1		
Asgrow AG3503	Monsanto	3.6	40	2	3.5	41.9	19.2		1c	4.2	72.6		
SSC 362RR	Schlessman Seed Co.	3.7	38	1	2.8	41.0	20.2		1k	4.8	62.7		
Pioneer 93B67	Pioneer Hi-Bred Int'l.	3.7	34	1	2.7	41.4	19.1		1c	4.8	71.9		
Houck HS 4378RR	Houck Seed Company	3.7	36	1	3.2	42.7	19.9		1k	4.5	71.4	57.7	
Shur Grow SG351RR	Champaign Landmark Inc.	3.8	40	2	3.2	39.9	21.0		1k	4.3	65.8		
TS 3131RRN	Thompson Seed Farm	3.8	36	1	3.4	39.9	21.9				61.1	55.3	
Pioneer 93B72	Pioneer Hi-Bred Int'l.	3.8	38	1	2.8	40.7	20.9		1k	5.2	69.3		
Houck HS 4377RR	Houck Seed Company	3.8	38	1	3.1	42.0	20.6		1k	5.0	74.3		
Ebberts E1361RR	Ebberts Field Seeds Inc.	3.8	37	1	3.3	42.7	20.0		1a	4.0	68.4		
Houck HS 4348RR	Houck Seed Company	3.8	32	1	2.9	42.9	19.4		1a	6.0	67.3	61.2	
C 3505 RR	LG Seeds	3.9	37	3	3.3	41.0	20.2	M	1k	7.0	70.0	56.7	
Shur Grow SG370RR	Champaign Landmark Inc.	3.9	38	1	3.2	42.3	20.3		1c	3.8	74.1	59.8	
Shur Grow SG360RR	Champaign Landmark Inc.	4.0	38	1	3.2	40.6	22.0		1c	5.0	68.6	56.9	
HS 3612 RR/N	Helena Chemical	4.1	32	1	2.9	39.5	21.8		1k	5.0	72.6		
Average										67.1	58.6		
LSD 0.30										2.5			

Table 5. 2001 Ohio Soybean Performance Trials: Central Region Normal Varieties

Entry		See "Measurements and Records" in Text for Description												
Brand/Variety	Company	1000					Sclero		Phytophthora		Yield Bu/ac			
		Rel. Mat.	Plant Ht.	Lodg. Score	Seeds / lb	% Prot.	% Oil	-tinia Tol.	Resist. Gene	Partial Resist.	C1	C2	2001 Mean	'00-'01 Mean
EARLY (Relative Maturity 2.3-3.3)														
Vertex	Public	2.3	33	1	2.5	39.6	22.4		1k	6.0	62.2	57.6	59.9	49.6
Tiffin	Public	2.7	36	1	3.5	40.1	21.4	M	1c+3a	7.0	61.9	57.1	59.5	53.3
Ohio FG3	Public	2.7	33	1	2.2	42.5	20.0		1k+3a		63.0	46.8	54.9	
Sandusky	Public	2.8	32	1	2.9	39.9	22.0		1k	5.2	60.3	61.0	60.6	51.9
Flint	Public	2.8	33	1	3.0	40.0	22.0		1k	4.2	59.9	51.6	55.8	50.1
AV 2261	Ferguson Seeds Inc.	2.8	32	1	2.9	40.2	22.0		nd	5.8	67.1	62.8	64.9	
C 3201	LG Seeds	3.1	30	1	2.8	40.9	20.6		3a	7.8	62.5	63.4	62.9	56.3
Shur Grow SG311STS	Champaign Landmark Inc.	3.3	34	1	3.0	41.2	21.6		nd		60.6	61.9	61.3	
Ebberts E2311STS	Ebberts Field Seeds Inc.	3.3	35	1	3.1	41.3	21.0		nd	3.3	62.7	58.8	60.7	54.3
	Average										62.2	57.9	60.0	52.6
	LSD 0.30										2.9	4.8		
LATE (Relative Maturity 3.4-4.1)														
Darby	Public	3.4	37	1	3.0	41.1	21.2		1k	5.0	64.9	58.3	61.6	52.4
3525	Garst & AgriPro Seeds	3.4	38	1	3.0	41.4	20.9		1k	3.8	60.6	63.4	62.0	55.7
Resnik	Public	3.4	37	1	3.0	42.4	20.4		1k	3.7	59.8	55.2	57.5	54.1
Ohio FG1	Public	3.4	35	1	1.8	42.7	19.8	M	3a	4.6	56.9	47.2	52.0	46.5
Stout*	Public	3.5	22	1	2.7	40.8	21.9		1a	5.0	50.6	62.3	56.4	53.3
Ebberts E2330STS	Ebberts Field Seeds Inc.	3.6	38	1	2.9	41.8	20.3		1k	4.2	66.3	61.0	63.6	58.6
Shur Grow SG328	Champaign Landmark Inc.	3.6	37	3	2.7	42.8	19.7		1a	5.0	60.9	56.4	58.6	52.1
Stalwart*	Public	3.7	28	1	2.7	39.2	22.4		1k	4.7	55.1	62.7	58.9	
Kottman	Public	3.7	36	1	2.7	42.0	20.1		1k+3a	4.2	67.2	63.5	65.4	61.0
Pioneer 93B87	Pioneer Hi-Bred Int'l.	3.8	37	1	2.7	42.5	20.2		1k	4.3	62.7	64.0	63.3	
Shur Grow SG398	Champaign Landmark Inc.	3.9	38	2	3.0	40.4	21.2		nd	3.8	63.2	60.4	61.8	54.0
TS 401	Thompson Seed Farm	3.9	41	1	2.6	40.4	21.6		3a	4.9	58.9	68.1	63.5	58.4
GL 3699	Great Lakes Hybrids	3.9	40	1	2.9	40.8	20.0		1c	5.8	61.8	62.3	62.0	
General	Public	3.9	40	1	2.7	42.2	20.5		1k	3.8	58.8	62.7	60.7	56.3
Ebberts E3380	Ebberts Field Seeds Inc.	4.0	44	3	2.7	41.4	20.1	M	3a	5.5	64.0	62.6	63.3	60.2
Strong*	Public	4.1	30	1	2.7	40.4	21.6		1a	7.5	58.4	62.5	60.5	56.5
	Average										60.6	60.8	60.7	55.3
	LSD 0.30										2.8	4.0		

*Semi-dwarf variety

Table 6. 2001 Ohio Soybean Performance Trials: Central Region Roundup Ready Varieties

Entry		See "Measurements and Records" in Text for Description										Yield Bu/ac		
Brand/Variety	Company	Rel. Mat.	Plant Ht.	Lodg. Score	1000	%	%	Sclero	Phytophthora	Partial Resist.	C1	C2	2001	'00-'01
					Seeds / lb	Prot.	Oil	-tinia Tol.	Gene Resist.				Mean	Mean
EARLY (Relative Maturity 2.6-3.4)														
Asgrow AG2602	Monsanto	2.6	31	1	3.2	40.9	21.5			1k	6.3	57.4	67.5	62.4
Pioneer 92B84	Pioneer Hi-Bred Int'l.	2.7	31	1	3.2	43.0	20.7			1k	6.2	58.5	68.6	63.6
DG 3278RR	UAP Great Lakes	2.8	32	1	3.1	42.1	19.8			1k	4.8	61.4	68.7	65.0
C 2811 RR	LG Seeds	2.9	35	1	3.3	39.4	21.0			1k	6.2	60.6	61.2	60.9
Pioneer 92B95	Pioneer Hi-Bred Int'l.	2.9	25	1	3.7	40.3	21.0			nd	6.0	61.2	63.0	62.1
GL 2704RR	Great Lakes Hybrids	2.9	37	1	2.8	40.9	20.9			nd	3.8	64.6	71.2	67.9
Houck HS 4297RR	Houck Seed Company	2.9	33	1	3.1	42.5	19.7			1k	3.8	64.1	64.0	64.1
DST 3143/RR	Dairyland Seed Co. Inc.	3.0	41	2	2.8	40.0	21.3			nd	3.8	60.4	57.6	59.0
HS 3111 RR	Helena Chemical	3.0	30	1	3.4	40.2	21.4			1k	3.3	67.6	74.2	70.9
Strike 3101RR	Strike Brand Genetics	3.0	35	1	3.5	41.0	20.8			1k	4.0	66.2	72.4	69.3
Vigoro V300RR	Royster-Clark Inc.	3.0	29	1	3.3	41.3	20.5			1a	3.7	70.2	76.5	73.4
Sun Star 2980RR	Sun Star Hybrids	3.0	32	1	3.4	41.6	20.2			S	3.7	64.2	67.5	65.9
C 9284 RR	LG Seeds	3.0	33	1	3.0	42.3	21.2	M		1k	3.7	65.1	64.2	64.6
RS 4328RR	Rupp Seeds Inc.	3.0	31	1	3.3	42.5	20.1			1k	4.3	72.5	74.2	73.3
Shur Grow SG280RR	Champaign Landmark Inc.	3.0	28	1	3.4	42.9	20.1			1a	5.2	62.5	68.9	65.7
RS 4289RR	Rupp Seeds Inc.	3.0	35	1	3.2	43.1	20.2			1a	4.0	67.1	68.7	67.9
Ebberts E1281RR	Ebberts Field Seeds Inc.	3.1	27	1	3.4	39.1	21.2				8.0	61.3	63.8	62.6
GL 2919RR	Great Lakes Hybrids	3.1	38	1	3.0	42.3	21.2			1c	3.3	64.4	65.1	64.8
C 3115R	Crow's Hybrid Corn Co.	3.2	28	1	3.3	40.6	20.8			1k	3.5	64.1	64.2	64.2
GR 3101	Midwest Seed Genetics	3.2	33	1	3.3	40.6	20.1			1k	4.8	66.6	67.9	67.3
Ebberts E1311RR	Ebberts Field Seeds Inc.	3.2	33	1	3.4	40.7	21.0			1k	4.2	66.8	69.8	68.3
Shur Grow SG299RR	Champaign Landmark Inc.	3.2	33	1	3.4	42.0	20.3			1c	4.0	66.9	68.3	67.6
GSF 300RR	Gries Seed Farms Inc.	3.2	33	1	3.7	42.2	20.4			1c	5.0	65.9	72.0	68.9
GR 3331	Midwest Seed Genetics	3.3	38	1	3.2	39.8	21.2			1k	4.3	58.5	65.7	62.1
Stine 3183-4	Stine Seed Company	3.3	36	1	3.5	40.0	21.3			1a	3.8	62.2	66.2	64.2
Beck 336NRR	Beck's Superior Hybrids	3.3	34	2	3.2	40.6	20.5			1c		69.3	72.4	70.8
3083RR	Garst & AgriPro Seeds	3.3	36	1	3.5	41.5	20.3			1k	3.8	63.8	68.1	65.9
RS 4316RR	Rupp Seeds Inc.	3.3	36	1	3.2	42.5	20.1			nd	3.5	69.6	63.4	66.5
Houck HS 4347RR	Houck Seed Company	3.4	36	1	3.4	39.9	20.8					63.4	67.1	65.2
DG 3334RR	UAP Great Lakes	3.4	37	1	3.1	40.2	21.4			1k	3.5	68.0	69.1	68.5
Beck 323RR	Beck's Superior Hybrids	3.4	33	1	3.0	40.7	21.7			1c	4.3	67.4	79.1	73.3
DG 3324RR	UAP Great Lakes	3.4	32	1	3.0	40.8	21.2			1a	3.8	71.2	71.3	71.2
Average											64.8	68.2	66.5	57.3
LSD 0.30											3.7	3.0		

Table 6. 2001 Ohio Soybean Performance Trials: Central Region Roundup Ready Varieties - continued

Entry		See "Measurements and Records" in Text for Description												
Brand/Variety	Company	1000		Sclero		Phytophthora		Yield Bu/ac						
		Rel. Mat.	Plant Ht.	Lodg. Score	Seeds /lb	% Prot.	% Oil	-tinia Tol.	Resist. Gene	Partial Resist. C1	2001 Mean	'00-'01 Mean		
LATE (Relative Maturity 3.5-4.1)														
GL 3409RR	Great Lakes Hybrids	3.5	37	1	3.3	39.2	21.4		1c	4.0	63.6	62.2	62.9	
Dekalb DKB32-52	Monsanto	3.5	35	1	3.3	39.8	21.1		1k	3.8	60.0	66.7	63.4	
Pioneer 93B53	Pioneer Hi-Bred Int'l.	3.5	32	1	3.1	40.2	21.5		1k	5.0	73.5	72.8	73.1	
SC 9320RR	Seed Consultants Inc.	3.5	35	1	3.0	40.3	21.2		1k	5.5	57.8	58.5	58.1	54.2
DSR 322/RR	Dairyland Seed Co. Inc.	3.5	39	1	3.1	40.3	21.7		1k	4.3	58.7	63.8	61.2	
HS 3312 RR/N	Helena Chemical	3.5	37	1	3.3	40.3	21.2		1k	5.7	66.3	69.0	67.6	
DG 3312RR	UAP Great Lakes	3.5	39	1	2.8	40.9	21.1		1c	4.8	58.2	69.8	64.0	
SC 9341	Seed Consultants Inc.	3.5	30	1	3.3	41.1	20.4	M	1a	4.0	69.0	65.6	67.3	61.7
Dekalb DKB31-51	Monsanto	3.5	41	1	2.9	41.4	21.1	M	1k	3.8	64.5	66.3	65.4	57.9
Asgrow AG3302	Monsanto	3.5	41	2	2.8	41.4	20.1		1c	5.7	72.7	69.4	71.0	64.9
Ebberts E1321RR	Ebberts Field Seeds Inc.	3.6	38	1	2.9	40.3	21.4		1c	5.3	64.3	65.4	64.9	
C 3767 RR	LG Seeds	3.6	34	2	2.9	40.4	20.9		1a	3.3	64.6	68.2	66.4	62.2
Ebberts E1341RR	Ebberts Field Seeds Inc.	3.6	31	1	3.3	40.6	20.7		1a	3.7	63.5	71.5	67.5	58.8
AGI 7343RR	Advanced Genetics	3.6	34	1	3.2	40.7	20.9		1a	3.8	68.3	71.2	69.8	
GSF 329RR	Gries Seed Farms Inc.	3.6	38	1	2.7	40.8	21.3		1k	6.5	62.2	68.7	65.4	
TS 3134RR	Thompson Seed Farm	3.6	33	1	3.3	41.1	20.8		nd	4.3	69.3	72.9	71.1	
Shur Grow SG340RR	Champaign Landmark Inc.	3.6	36	1	3.3	41.2	20.6		1a	4.8	65.2	63.1	64.1	58.5
Beck 352RR	Beck's Superior Hybrids	3.6	40	1	3.3	41.5	19.5		1c	4.3	69.6	63.7	66.6	64.9
Asgrow AG3503	Monsanto	3.6	40	2	3.5	41.9	19.2		1c	4.2	73.0	64.4	68.7	
Vigoro V361RR	Royster-Clark Inc.	3.7	36	1	3.0	40.3	20.3		1k	7.3	68.1	61.0	64.6	
D 355RR	Garst & AgriPro Seeds	3.7	40	1	3.1	41.0	20.3		1c	4.7	71.6	64.3	67.9	64.3
Stine 3503-4	Stine Seed Company	3.7	38	1	3.4	41.1	20.4		1a	3.8	66.4	68.8	67.6	59.3
Pioneer 93B67	Pioneer Hi-Bred Int'l.	3.7	34	1	2.7	41.4	19.1		1c	4.8	73.1	69.0	71.1	
Stine 3763-4	Stine Seed Company	3.7	37	1	3.0	42.1	20.3		1c	4.5	68.1	74.7	71.4	
GL 3619RR	Great Lakes Hybrids	3.7	38	1	3.1	42.2	19.2		nd	4.2	61.7	66.5	64.1	58.0
Shur Grow SG351RR	Champaign Landmark Inc.	3.8	40	2	3.2	39.9	21.0		1k	4.3	65.2	64.4	64.8	
TS 3131RRN	Thompson Seed Farm	3.8	36	1	3.4	39.9	21.9				60.7	57.5	59.1	55.7
Pioneer 93B72	Pioneer Hi-Bred Int'l.	3.8	38	1	2.8	40.7	20.9		1k	5.2	71.3	68.0	69.6	
SC 9362RR	Seed Consultants Inc.	3.8	39	1	2.9	41.5	19.7	M	1c	3.8	64.2	70.9	67.6	
Ebberts E1372RR	Ebberts Field Seeds Inc.	3.8	33	1	3.1	41.5	19.5	M	1k		61.1	61.4	61.2	
3792RR/N	Garst & AgriPro Seeds	3.8	35	1	3.0	42.6	19.5		nd	5.0	69.9	64.1	67.0	
Ebberts E1361RR	Ebberts Field Seeds Inc.	3.8	37	1	3.3	42.7	20.0		1a	4.0	70.1	72.3	71.2	64.3
Beck 367NRR	Beck's Superior Hybrids	3.9	35	1	3.1	39.4	21.5		1k	4.0	66.4	66.2	66.3	
Dekalb DKB38-52	Monsanto	3.9	41	4	3.2	39.6	21.2	M	1c	3.2	73.4	69.0	71.2	
DG 3353RR	UAP Great Lakes	3.9	40	3	3.2	40.2	20.8		1k	4.8	69.9	61.0	65.5	
Ebberts E1380RR	Ebberts Field Seeds Inc.	3.9	39	1	3.1	40.4	21.1	M	1k	4.3	63.5	70.5	67.0	59.9
Beck 387NRR	Beck's Superior Hybrids	3.9	44	2	3.4	40.7	20.1		nd	4.7	67.7	66.8	67.2	
DSR 375/RR	Dairyland Seed Co. Inc.	3.9	42	3	3.4	40.9	20.1		nd	3.7	69.0	67.6	68.3	
D 333RR/N	Garst & AgriPro Seeds	3.9	40	1	2.8	41.0	19.9		nd	3.5	66.4	62.6	64.5	
C 3505 RR	LG Seeds	3.9	37	3	3.3	41.0	20.2	M	1k	7.0	64.5	62.7	63.6	56.9
Vigoro V372RR	Royster-Clark Inc.	3.9	34	1	2.8	41.1	19.3		1k	4.0	68.9	66.2	67.6	
Shur Grow SG370RR	Champaign Landmark Inc.	3.9	38	1	3.2	42.3	20.3		1c	3.8	73.1	71.1	72.1	60.7
Strike 3601RR	Strike Brand Genetics	3.9	40	1	3.3	42.4	19.6		1c	4.3	69.1	64.9	67.0	
Dekalb DKB40-51	Monsanto	4.0	45	2	3.0	39.0	21.2	M	nd	4.0	62.5	61.3	61.9	
SC 9351RR	Seed Consultants Inc.	4.0	42	1	2.9	40.0	21.0		nd	3.8	69.6	67.1	68.3	63.1
Stine 3632-4	Stine Seed Company	4.0	32	1	2.9	40.1	21.0		1k	4.3	70.1	72.3	71.2	
Shur Grow SG360RR	Champaign Landmark Inc.	4.0	38	1	3.2	40.6	22.0		1c	5.0	69.2	64.8	67.0	59.9
SC 9371RR	Seed Consultants Inc.	4.0	37	1	2.9	41.2	20.2		1c	3.8	69.2	66.4	67.8	63.3
Ebberts E1352RR	Ebberts Field Seeds Inc.	4.0	37	3	2.8	41.4	20.6		1a	5.8	72.9	68.8	70.8	
Ebberts E1351RR	Ebberts Field Seeds Inc.	4.0	44	3	3.1	41.4	19.4		1k	4.5	72.2	71.0	71.6	
Asgrow AG3903	Monsanto	4.0	41	5	3.0	41.6	19.7		1c	4.0	63.4	66.5	65.0	
HS 3612 RR/N	Helena Chemical	4.1	32	1	2.9	39.5	21.8		1k	5.0	63.9	65.6	64.8	
DSR 357/RR	Dairyland Seed Co. Inc.	4.1	36	1	3.0	41.8	20.2			3.5	67.2	65.6	66.4	
Average										67.0	66.7	66.8	60.4	
LSD 0.30										3.8	3.0			

Table 7. 2001 Ohio Soybean Performance Trials: South Region Normal Varieties

Entry		See "Measurements and Records" in Text for Description											Yield Bu/ac	
Brand/Variety	Company	Rel. Mat.	Plant Ht.	Lodg. Score	1000		% Oil	Sclero % -tinia Tol.	Phytophthora		S1	S2	2001	'00-'01
					Seeds /lb	% Prot.			Resist. Gene	Partial Resist.			Mean	Mean
EARLY (Relative Maturity 2.3-3.3)														
Vertex	Public	2.3	33	1	2.5	39.6	22.4		1k	6.0	58.4	63.3	60.8	54.3
Tiffin	Public	2.7	36	1	3.5	40.1	21.4	M	1c+3a	7.0	65.6	59.6	62.6	55.3
Ohio FG3	Public	2.7	33	1	2.2	42.5	20.0		1k+3a		55.4	44.8	50.1	
Sandusky	Public	2.8	32	1	2.9	39.9	22.0		1k	5.2	60.4	63.0	61.7	58.9
Flint	Public	2.8	33	1	3.0	40.0	22.0		1k	4.2	58.7	57.5	58.1	56.8
Shur Grow SG311STS	Champaign Landmark Inc.	3.3	34	1	3.0	41.2	21.6		nd		64.7	57.7	61.2	
Ebberts E2311STS	Ebberts Field Seeds Inc.	3.3	35	1	3.1	41.3	21.0		nd	3.3	66.6	61.1	63.8	62.6
Average										61.4	58.1	59.7	57.6	
LSD 0.30										4.9	2.8			
LATE (Relative Maturity 3.4-4.1)														
Darby	Public	3.4	37	1	3.0	41.1	21.2		1k	5.0	65.6	61.3	63.4	61.2
Resnik	Public	3.4	37	1	3.0	42.4	20.4		1k	3.7	61.5	63.5	62.5	59.7
Ohio FG1	Public	3.4	35	1	1.8	42.7	19.8	M	3a	4.6	55.2	54.6	54.9	50.7
Stout*	Public	3.5	22	1	2.7	40.8	21.9		1a	5.0	64.8	64.6	64.7	62.4
Stine 3398-0	Stine Seed Company	3.5	35	1	2.8	41.6	20.8		1k	4.3	62.9	62.0	62.4	60.7
Ebberts E2330STS	Ebberts Field Seeds Inc.	3.6	38	1	2.9	41.8	20.3		1k	4.2	66.7	62.2	64.4	60.7
Shur Grow SG328	Champaign Landmark Inc.	3.6	37	3	2.7	42.8	19.7		1a	5.0	65.8	66.3	66.1	64.0
Stalwart*	Public	3.7	28	1	2.7	39.2	22.4		1k	4.7	61.5	62.3	61.9	
Kottman	Public	3.7	36	1	2.7	42.0	20.1		1k+3a	4.2	66.6	60.0	63.3	62.5
Pioneer 93B87	Pioneer Hi-Bred Int'l.	3.8	37	1	2.7	42.5	20.2		1k	4.3	68.0	70.7	69.3	
Shur Grow SG398	Champaign Landmark Inc.	3.9	38	2	3.0	40.4	21.2		nd	3.8	63.3	65.5	64.4	61.9
3880	Garst & AgriPro Seeds	3.9	36	2	2.5	40.9	21.2		1c	3.7	63.0	60.2	61.6	
Vigoro V380	Royster-Clark Inc.	3.9	42	3	3.0	41.1	20.1		nd	3.8	60.3	62.7	61.5	
General	Public	3.9	40	1	2.7	42.2	20.5		1k	3.8	68.3	66.1	67.2	62.6
Stine 3870-0	Stine Seed Company	4.0	41	1	3.3	38.3	22.5		nd	3.8	59.2	64.9	62.0	61.1
Ebberts E3380	Ebberts Field Seeds Inc.	4.0	44	3	2.7	41.4	20.1	M	3a	5.5	68.3	63.1	65.7	60.1
Strong*	Public	4.1	30	1	2.7	40.4	21.6		1a	7.5	63.2	61.4	62.3	62.5
Average										63.8	63.0	63.4	60.7	
LSD 0.30										3.6	2.3			

*Semi-dwarf variety

Table 8. 2001 Ohio Soybean Performance Trials: South Region Roundup Ready Varieties

Entry		See "Measurements and Records" in Text for Description										Yield Bu/ac		
Brand/Variety	Company	Rel. Mat.	Plant Ht.	Lodg. Score	1000		% Oil	Sclero % -tinia Tol.	Phytophthora		S1	S2	2001	'00-'01
					Seeds / lb	% Prot.			Resist. Gene	Partial Resist.			Mean	Mean
Early (Relative Maturity 3.0-3.7)														
DST 3143/RR	Dairyland Seed Co. Inc.	3.0	41	2	2.8	40.0	21.3		nd	3.8	53.9	50.2	52.0	
Shur Grow SG280RR	Champaign Landmark Inc.	3.0	28	1	3.4	42.9	20.1		1a	5.2	60.3	59.1	59.7	60.4
Shur Grow SG299RR	Champaign Landmark Inc.	3.2	33	1	3.4	42.0	20.3		1c	4.0	57.0	55.8	56.4	57.6
GR 3331	Midwest Seed Genetics	3.3	38	1	3.2	39.8	21.2		1k	4.3	55.4	57.9	56.7	
Dekalb DKB32-52	Monsanto	3.5	35	1	3.3	39.8	21.1		1k	3.8	53.2	54.3	53.8	
Pioneer 93B53	Pioneer Hi-Bred Int'l.	3.5	32	1	3.1	40.2	21.5		1k	5.0	59.3	59.2	59.3	
Asgrow AG3302	Monsanto	3.5	41	2	2.8	41.4	20.1		1c	5.7	64.6	54.2	59.4	60.4
Dekalb DKB31-51	Monsanto	3.5	41	1	2.9	41.4	21.1	M	1k	3.8	59.8	61.2	60.5	
Ebberts E1321RR	Ebberts Field Seeds Inc.	3.6	38	1	2.9	40.3	21.4		1c	5.3	56.0	53.3	54.7	
C 3767 RR	LG Seeds	3.6	34	2	2.9	40.4	20.9		1a	3.3	58.5	59.8	59.1	61.2
Ebberts E1341RR	Ebberts Field Seeds Inc.	3.6	31	1	3.3	40.6	20.7		1a	3.7	60.0	55.6	57.8	59.6
Shur Grow SG340RR	Champaign Landmark Inc.	3.6	36	1	3.3	41.2	20.6		1a	4.8	61.5	54.8	58.1	57.9
Asgrow AG3503	Monsanto	3.6	40	2	3.5	41.9	19.2		1c	4.2	56.7	58.1	57.4	
D 355RR	Garst & AgriPro Seeds	3.7	40	1	3.1	41.0	20.3		1c	4.7	57.3	58.0	57.7	
Pioneer 93B67	Pioneer Hi-Bred Int'l.	3.7	34	1	2.7	41.4	19.1		1c	4.8	58.3	58.7	58.5	
Stine 3763-4	Stine Seed Company	3.7	37	1	3.0	42.1	20.3		1c	4.5	57.3	55.9	56.6	59.3
GL 3619RR	Great Lakes Hybrids	3.7	38	1	3.1	42.2	19.2		nd	4.2	57.5	53.4	55.4	
Average											58.0	56.4	57.2	59.5
LSD 0.30											2.5	2.2		

Table 8. 2001 Ohio Soybean Performance Trials: South Region Roundup Ready Varieties - continued

Entry		See "Measurements and Records" in Text for Description										Yield Bu/ac		
Brand/Variety	Company	Rel. Mat.	Plant Ht.	Lodg. Score	1000 Seeds / lb Prot.		% Oil	Sclero -tinia Tol.	Phytophthora Resist.		S1	S2	2001	'00-'01
					%	%			Gene	Partial Resist.			Mean	Mean
LATE (Relative Maturity 3.8-4.4)														
Shur Grow SG351RR	Champaign Landmark Inc.	3.8	40	2	3.2	39.9	21.0		1k	4.3	56.7	59.3	58.0	
D 370RR	Garst & AgriPro Seeds	3.8	34	1	3.0	40.1	21.2				55.3	60.4	57.8	
Pioneer 93B72	Pioneer Hi-Bred Int'l.	3.8	38	1	2.8	40.7	20.9		1k	5.2	60.9	59.3	60.1	
Ebberts E1372RR	Ebberts Field Seeds Inc.	3.8	33	1	3.1	41.5	19.5	M	1k		48.9	54.3	51.6	
AGI 7374RR	Advanced Genetics	3.8	43	2	3.1	42.4	20.0		1a	3.8	59.4	57.6	58.5	60.8
3792RR/N	Garst & AgriPro Seeds	3.8	35	1	3.0	42.6	19.5		nd	5.0	57.7	50.8	54.3	
Ebberts E1361RR	Ebberts Field Seeds Inc.	3.8	37	1	3.3	42.7	20.0		1a	4.0	57.3	56.4	56.9	61.6
Dekalb DKB38-52	Monsanto	3.9	41	4	3.2	39.6	21.2	M	1c	3.2	54.3	56.9	55.6	
DG 3370RR	UAP Great Lakes	3.9	37	1	2.9	40.2	21.0		1a	4.5	60.7	58.1	59.4	61.8
DG 3353RR	UAP Great Lakes	3.9	40	3	3.2	40.2	20.8		1k	4.8	55.1	57.0	56.1	59.8
Vigoro V382NRR	Royster-Clark Inc.	3.9	42	2	3.4	40.3	20.5		nd	4.3	55.9	57.3	56.6	
Ebberts E1380RR	Ebberts Field Seeds Inc.	3.9	39	1	3.1	40.4	21.1	M	1k	4.3	54.1	53.3	53.7	58.2
Beck 387NRR	Beck's Superior Hybrids	3.9	44	2	3.4	40.7	20.1		nd	4.7	57.8	53.6	55.7	
DSR 375/RR	Dairyland Seed Co. Inc.	3.9	42	3	3.4	40.9	20.1		nd	3.7	51.7	57.8	54.7	
Vigoro V372RR	Royster-Clark Inc.	3.9	34	1	2.8	41.1	19.3		1k	4.0	52.8	58.2	55.5	
Stine 3808-4	Stine Seed Company	3.9	37	1	2.9	41.5	20.7		nd	3.8	57.0	56.5	56.7	
Shur Grow SG370RR	Champaign Landmark Inc.	3.9	38	1	3.2	42.3	20.3		1c	3.8	61.4	56.5	59.0	61.3
C 3715R	Crow's Hybrid Corn Co.	3.9	44	3	3.3	43.4	19.1		1c	3.2	58.5	55.4	57.0	
Stine 3800-4	Stine Seed Company	4.0	37	1	3.3	38.9	22.6		1a	4.5	55.9	54.1	55.0	59.0
Beck 417NRR	Beck's Superior Hybrids	4.0	41	1	3.3	39.0	22.3		1a	3.8	52.8	57.4	55.1	
Dekalb DKB40-51	Monsanto	4.0	45	2	3.0	39.0	21.2	M	nd	4.0	52.3	50.8	51.6	
BG 3720NRR	Bio Gene Seeds	4.0	33	1	3.0	39.5	21.3		1a	4.2	55.0	56.1	55.5	
DG 3399RR	UAP Great Lakes	4.0	41	1	3.0	40.0	21.6		1a	4.3	59.7	53.9	56.8	60.4
Stine 3632-4	Stine Seed Company	4.0	32	1	2.9	40.1	21.0		1k	4.3	55.3	57.5	56.4	
Shur Grow SG360RR	Champaign Landmark Inc.	4.0	38	1	3.2	40.6	22.0		1c	5.0	59.9	57.3	58.6	61.5
SC 9371RR	Seed Consultants Inc.	4.0	37	1	2.9	41.2	20.2		1c	3.8	55.6	55.6	55.6	59.5
Ebberts E1351RR	Ebberts Field Seeds Inc.	4.0	44	3	3.1	41.4	19.4		1k	4.5	55.5	59.9	57.7	
Ebberts E1352RR	Ebberts Field Seeds Inc.	4.0	37	3	2.8	41.4	20.6		1a	5.8	57.4	59.2	58.3	
Asgrow AG3903	Monsanto	4.0	41	5	3.0	41.6	19.7		1c	4.0	57.2	53.3	55.3	
Pioneer 94B23	Pioneer Hi-Bred Int'l.	4.0	37	1	2.8	42.0	20.4		nd	5.0	56.1	54.7	55.4	
SC 9391RR	Seed Consultants Inc.	4.1	32	1	3.2	39.5	22.1		1a	3.5	53.7	56.3	55.0	59.4
BG 3900NRR	Bio Gene Seeds	4.1	43	3	2.6	40.2	21.3		nd	3.8	45.6	50.8	48.2	
Beck 402RR	Beck's Superior Hybrids	4.1	39	1	2.9	40.2	21.9		1k	3.5	58.5	53.8	56.1	57.9
SC 9392RR	Seed Consultants Inc.	4.1	40	4	3.0	41.3	20.4	M	nd	4.0	56.9	60.1	58.5	
D 399RR/N	Garst & AgriPro Seeds	4.2	40	1	3.2	40.0	21.6		nd	4.8	53.0	51.9	52.5	56.5
SC 9442RR	Seed Consultants Inc.	4.3	40	1	3.5	37.8	22.0		1a	4.7	52.0	47.8	49.9	
BG 4401NRR	Bio Gene Seeds	4.3	47	1	3.2	38.1	22.9		1a	3.5	54.3	53.3	53.8	
Pioneer 94B54	Pioneer Hi-Bred Int'l.	4.4	41	1	2.6	40.0	22.0		nd	5.0	45.8	46.6	46.2	
Average											55.5	55.5	55.5	59.8
LSD 0.30											2.9	2.8		

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