



Information

DEPARTMENT OF PLANT SCIENCE & LANDSCAPE ARCHITECTURE
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Agronomy Facts No. 32
Revised January 2009

2008 MARYLAND SOYBEAN VARIETY TESTS

Maryland soybean variety tests are conducted each year by the Maryland Agricultural Experiment Station, Department of Plant Science and Landscape Architecture, to provide soybean growers with the latest information on agronomic performance of soybean varieties. Varieties are tested by maturity group as designated by the releasing organization. Varieties of Maturity Groups III, IV, and V are included in the tests because they are best adapted for production in Maryland. Late maturing varieties in Maturity Group IV were evaluated separately from the other varieties in Maturity Group IV and are listed as "IV-S" in the data tables. Entries in the 2008 test included Roundup Ready and standard varieties of public and private brands available to Maryland farmers. In addition, promising new varieties and advanced breeding lines are tested to compare their performance to that of widely grown varieties. Experimental lines from Illinois (IL 3309), Maryland (MD 99-6226, MD 00-5326, MD 00-6015, MD 01-5866, MD 02-651RR, MD 03-5188, MD 03-5453, MD 03-5527, MD 03-6420, MD 04-5060, MD 04-5217, MD 04-5218, MD 04-5545, MD 04-5550, MD 04-6006, MD 04-6008, MD 04-6101, MD 05-5355, MD 05-5585, MD 05-5633, MD 05-5656, MD 05-6067, MD 05-6078, MD 05-6124, MD 05-6377, MD 05-6381, MD 05-6384, MD 0506WN 99, MD 06-21RR, MD 06-26RR, MD 06-5613, MD 06-5683, MD 06-5693, MD 06-5700, MD 06-5718, MD 06-6182, MD 0607WN 33, MD 0607WN 37), Nebraska (U9842), and Virginia (V01-1693 RR, V01-1702 RR, V 02-8659, V 03-7779) were included in the 2008 tests. The suppliers of private varieties are listed in Table 1.

The Maryland tests are designed to evaluate varieties at several planting dates and on various soil types within the soybean production areas of the state. Recommended cultural practices were followed in the establishment of each test. Tillage, row spacing, seeding rates, and plot length varied between tests and locations as shown in Table 2. Seed yield was determined on center rows of each plot, and plots were trimmed to a uniform length just prior to harvest. Each plot was replicated three times in each test and location. Seed moisture was determined on each plot at harvest and seed yield was adjusted to a 13% moisture level. Plant height and lodging were determined at maturity when 95% of the pods on each variety had attained their mature color.

The 2008 growing season was wet early and then became dry late in the season. Planting was delayed at each location because of the wet soil conditions. Rainfall was lower than normal from late July through August at all test locations. Although rainfall increased in September, October was also below normal at all locations. Monthly rainfall amounts for May through October for the test locations are shown in Table 3.

Results of the 2008 tests are reported in Tables 4-7 for the standard varieties and in Tables 9-13 for the Roundup Ready varieties. In each of these tables, varieties within maturity groups are listed in order of yield, highest to lowest. Yields of the full-season Roundup Ready tests at Quantico are not reported because variation within the plot area due to drought caused large coefficient of variation values in the data analyses. The highest overall test location mean yields were at Clarksville for the standard varieties and Keedysville for the Roundup Ready varieties.

A least significant difference (LSD) value is reported for each maturity group in every test where statistically significant differences in plant characteristics were observed among varieties. This number is a statistical test calculated at the 20 percent probability level to aid in comparing the differences among varieties in a maturity group. When two varieties are compared for a plant characteristic and the difference between them is greater than the calculated LSD value, the varieties are judged to be significantly different for that specific characteristic. The "NS" designation indicates that there are no statistically significant differences among the varieties in that maturity group for that specific characteristic. The coefficient of variation (CV) is a relative measure of the variation and is an indicator of the degree of precision for a particular test. For these soybean variety tests, CV values below 15% are an indication that the precision of the test is good in distinguishing differences in seed yield between varieties.

The performance of a variety for several years or at several locations in the same year gives a better indication of its yield potential and agronomic characteristics than do data from a single year. As an aid in assessing the performance of individual varieties in the test, a relative yield value was calculated. Tables 8 and 14 summarize the relative yields of the standard and Roundup Ready varieties, respectively, by expressing their yields as a percentage of the mean yield of all varieties in that maturity group at each location. Therefore, a variety with a relative yield that is consistently greater than 100 is a variety that consistently yields higher than the mean yield of all varieties in that maturity group. In Tables 8 and 14, the relative yields of those varieties with an asterisk are not statistically different from the highest yielding variety in that maturity group in those tests where a significant difference between varieties was observed in the statistical analyses.

Two-year average yields of standard and Roundup Ready varieties previously entered in the 2007 tests are shown in the data tables. The 2007 location average yield for each maturity group and the 2007 LSD value are included in the data tables to compare variety yield differences in both years. The multiple-year data provide additional information on a variety's yielding ability. The information provided here should be used as a guide and growers should select a variety with great care based on personal experience as well as other available information.

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Acknowledgements:

The financial support of the Maryland Soybean Board and grants for equipment from the Maryland Grain Producers' Utilization Board, University of Maryland Agricultural Experiment Station, and the Maryland Crop Improvement Association are gratefully acknowledged. The contributions of Brian Ikenberry, Naod Hailegiorgies, Michel Duvelsaint, A. Mensah, T.S. Ellis, F.R. Mulford, F.A. Senkbeil, M.A. Sultenfuss, J.I. Streett, and D.M. Justice of the University of Maryland are recognized as being essential in the successful completion of these tests and are gratefully acknowledged.

Additional information:

Inclusion of entries in the Maryland Soybean Variety Tests does not constitute an endorsement or recommendation of a specific entry by the University of Maryland. Advertising statements by an individual company about the performance of its entries can be made as long as they are accurate statements about the data as published, with no reference to other companies' varieties. Statements similar to "See the official University of Maryland Soybean Variety Tests Agronomy Facts No. 32" and "Endorsement or recommendation by the University of Maryland is not implied" must accompany any information that is reproduced. Agronomy Facts No. 32 can be downloaded by selecting 'Soybeans' on the Department's cropping system webpage and choosing the appropriate publication: <http://www.mdcrops.umd.edu/>.

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Table 1. Suppliers of private entries tested in 2008.

COMPANY	BRAND	HERBICIDE REACTION	ENTRY
Crop Production Services Galesburg, IL 61402	DYNA GRO	Roundup Ready "	32X39,33A40,37P37,V45N9RR, V47N8RR,32P48,V49N6RR
Growmark FS, LLC Port Matilda, PA 16870	HISOY SCHILLINGER	Roundup Ready "	HS39R70, HS42T80, HS476NRR 447.RC
Mid Atlantic Seeds, Inc. York, PA 17402	MID ATLANTIC	Roundup Ready " "	MA3377RR,MA3400RR,MA3488RR, MA3599RR,MA3788RR,MA3877RR, MA3955RR,MA4077RR
Monsanto St. Louis, MO 63167	ASGROW	Roundup Ready "	AG3705,AG3803,AG4005,AG4303, AG4404,AG4606
Seedway Emmaus, PA 18049	SEEDWAY	Roundup Ready	SG3808RR, SG4008RR/STS
Southern States Cooperative, Inc. Richmond, VA 23260	S.STATES	Roundup Ready " " "	RT3860,RT3871N,RT3971N,RT4151N, RT4370N,RT4440N,RT4451N,RT4470N, RT4551N,RT4777N,RT4808N,RT4888N, RT4996N,RT5160N
T.A. Seeds Jersey Shore, PA 17740	TA SEEDS	Roundup Ready "	TS3689R,TS3989RS,TS4299RS, TS4499R
UniSouth Genetics, Inc. Nashville, TN 37211	USG	Roundup Ready " " Standard	73H77,7384nRS,74A27,74A45,74B58, 74A76,ALLEN,74A88,74E88,7515nRS, 75M16, 75J32 440nSTS, 5002T, 5601T

Table 2. The 2008 soybean variety test plot information.

WESTERN MARYLAND RESEARCH & EDUCATION CENTER
Washington County - Keedysville, MD

Tests: Roundup Ready Maturity Groups III, IV, and IV-S
Planting Date: June 20
Row Spacing: 24 inches
Soil Type: Hagerstown silt loam
Soil Test: pH 6.3, P Level- 47 M, K Level- 119 M
Previous Crop: Corn
Fertilizer: None
Lime: None
Herbicide: Pre-Plant:1 Qt/A Credit Extra (June 11)
Post: 22 Oz/A Roundup Power Max (July 17)
Plots: 4 rows, 20 feet long
Seeding Rate: 6.5 seeds/foot
Tillage: Conventional

CENTRAL MARYLAND RESEARCH & EDUCATION CENTER- CLARKSVILLE FACILITY
Howard County - Clarksville, MD

Tests: Standard Varieties Maturity Groups III, IV, and IV-S
Planting Date: June 18
Row Spacing: 24 inches
Soil Type: Delanco silt loam
Soil Test: pH 6.8, P 53, K 231
Previous Crop: Corn
Fertilizer: 36 Lb/A P and 72 Lb/A K
Lime: None
Herbicide: 6 Oz/A Canopy XL, 16 Oz/A Outlook (June 19)
Plots: 4 rows, 20 feet long
Seeding Rate: 6.5 seeds/foot
Tillage: Conventional

Tests: Roundup Ready Maturity Groups III, IV, and IV-S
Planting Date: June 18
Row Spacing: 24 inches
Soil Type: Delanco silt loam
Soil Test: pH 6.8, P 53, K 231
Previous Crop: Corn
Fertilizer: 36 Lb/A P and 72 Lb/A K
Lime: None
Herbicide: 22 Oz/A Roundup Power Max (July 21)
Plots: 4 rows, 20 feet long
Seeding Rate: 6.5 seeds/foot
Tillage: Conventional

Table 2. (Continued) Plot Information

WYE RESEARCH & EDUCATION CENTER
Queen Annes County - Queenstown, MD

Tests: Full Season Standard Varieties Maturity Groups III, IV, IV-S, and V
Planting Date: June 13
Row Spacing: 24 inches
Soil Type: Matapeake silt loam
Soil Test: pH 5.9, P Index- 92, K Index- 51
Previous Crop: Corn
Fertilizer: 0-0-112 Lbs/A N-P-K
Lime: Yes
Herbicide: Preemergence:2 Qt/A Glyphos Xtra, 1.5 Pt/A Dual Magnum,0.8 Lb/A Lorox DF
Post:1 Pt/A Basagran, 2 Pt/A Blazer, 1Gal/A 30% N solution, surfactant
Plots: 4 rows, 20 feet long
Seeding Rate: 6.5 seeds/foot except Maturity Group V entries= 6 seeds/foot
Tillage: Conventional

Tests: Full Season Roundup Ready Varieties Maturity Groups III, IV, IV-S, and V
Planting Date: June 13
Row Spacing: 24 inches
Soil Type: Matapeake silt loam
Soil Test: pH 6.0, P Index- 110, K Index- 57
Previous Crop: Corn
Fertilizer: 0-0-112 Lbs/A N-P-K
Lime: Yes
Herbicide: Preemergence:1 Pt/A Dual Magnum
Post:1.5 Qt/A Honcho Plus on July 16
Plots: 4 rows, 20 feet long
Seeding Rate: 6.5 seeds/foot except Maturity Group V entries= 6 seeds/foot
Tillage: Conventional

Tests: Double Crop Roundup Ready Varieties Maturity Groups III, IV, IV-S, and V
Planting Date: June 30
Row Spacing: 7.5 inches
Soil Type: Matapeake silt loam
Soil Test: pH 6.2, P Index- 96, K Index- 47
Previous Crop: Wheat
Fertilizer: None on soybeans
Lime: None
Herbicide: 1.5 Qt/A Honcho Plus on July 16
Plots: 7 rows, 25 feet long
Seeding Rate: 3 seeds/foot
Tillage: None

Table 2. (Continued) Plot Information

LOWER EASTERN SHORE RESEARCH & EDUCATION CENTER-POPLAR HILL FACILITY
Wicomico County - Quantico, MD

Tests: Full Season Standard Varieties Maturity Groups III, IV, IV-S, and V
Planting Date: June 10
Row Spacing: 24 inches
Soil Type: Mattapex silt loam
Soil Test: pH 6.2, P Index- Very High, K Index- High
Previous Crop: Corn
Fertilizer: 10-20-70 N-P-K
Lime: None
Herbicide: Preemergence: 1.5Pt/A Dual 8E, 12 Oz/A Lorox DF, 3 Oz/A Canopy XL
Post emergence: 1.5 Pt/A Storm, 0.5 Oz/A 2,4-DB, 3 Oz/A Blazer + Surfactant
Plots: 4 rows, 20 feet long
Seeding Rate: 6.5 seeds/foot except Maturity Group V entries= 6 seeds/foot
Tillage: Conventional

Tests: Full Season Roundup Ready Varieties Maturity Groups III, IV, IV-S, and V
Planting Date: May 29
Row Spacing: 20 inches
Soil Type: Mattapex silt loam
Soil Test: pH 6.4, P Index- Very High, K Index- High
Previous Crop: No Tillage Corn
Fertilizer: 600 Lbs/A of 2-4-12 liquid fertilizer
Lime: 1 Ton/A
Herbicide: Preplant: 1 Qt/A Roundup Ultra Max, 12 Oz/A 2,4-D Ester, 1 Pt/A Dual 8E
Post: 1 Qt/A Roundup Ultra Max
Plots: 4 rows, 20 feet long
Seeding Rate: 6.5 seeds/foot
Tillage: None

NOTE:THESE RR TEST DATA NOT REPORTED BECAUSE OF HIGH VARIABILITY DUE TO DROUGHT!

Tests: Double Crop Standard Varieties Maturity Groups III, IV, IV-S, and V
Planting Date: June 26
Row Spacing: 15 inches
Soil Type: Mattapex silt loam
Soil Test: pH 6.5, P Index- Very High, K Index- High
Previous Crop: Winter barley
Fertilizer: None on soybeans
Lime: None on soybeans
Herbicide: Preemergence: 1.5 Pt/A Roundup Ultra Max,1.6 Pt/A Dual,5 Oz/A Canopy,8 Oz/A 2,4-DB
Post emergence: 1.5 Pt/A Storm, 1 Oz/A 2,4-DB, 3 Oz/A Blazer + Surfactant
Plots: 5 rows, 20 feet long
Seeding Rate: 6 seeds/foot
Tillage: None

Table 2. (Continued) Plot Information

LOWER EASTERN SHORE RESEARCH & EDUCATION CENTER-POPLAR HILL FACILITY
 Wicomico County - Quantico, MD

Tests:	Double Crop Roundup Ready Varieties Maturity Groups III, IV, IV-S, and V
Planting Date:	June 26
Row Spacing:	15 inches
Soil Type:	Mattapex silt loam
Soil Test:	pH 6.5, P Index- Very High, K Index- High
Previous Crop:	Winter barley
Fertilizer:	None on soybeans
Lime:	None on soybeans
Herbicide:	Preemergence:1.5 Pt/A Roundup Ultra Max,1.6 Pt/A Dual,5 Oz/A Canopy,8 Oz/A 2,4-DB Post: 1 Qt/A Roundup Ultra Max
Plots:	5 rows, 20 feet long
Seeding Rate:	6 seeds/foot
Tillage:	None

Table 3. Monthly precipitation (inches) during May through October at variety test locations.

Location	May	June	July	Aug.	Sept.	Oct.	Total
Keedysville	6.18	2.86	5.72	2.13	3.68	1.40	21.97
Clarksville	6.66	4.35	1.85	1.95	5.82	2.64	23.27
Queenstown	6.39	5.64	4.29	0.98	3.86	1.26	22.42
Quantico	5.24	4.67	2.57	0.71	3.98	1.43	18.60

Table 4. Performance of standard soybean varieties planted at Clarksville.

BRAND – ENTRY	Seed Yield, Bu/A		2008		
	2008	2007	Maturity Date	Height, Inches	Lodging Score*
	MATURITY GROUP III				
EXPERIMENTAL - V 02-8659	60.2	No Data	10-20	32	2.2
PUBLIC - IA 3024	57.9	"	10-05	28	1.5
EXPERIMENTAL - MD 05-5633	57.6	"	10-17	29	1.3
PUBLIC - MACON	56.1	"	10-08	27	1.3
PUBLIC - IA 3023	55.9	"	10-06	26	1.5
EXPERIMENTAL - U9842	54.4	"	10-13	24	1.3
EXPERIMENTAL - V 03-7779	53.4	"	10-16	28	1.7
EXPERIMENTAL - MD 03-5188	52.0	"	10-11	34	3.2
EXPERIMENTAL - MD 05-6377	41.6	"	10-16	31	3.5
EXPERIMENTAL - MD 03-5453	37.3	"	10-11	27	2.0
	Mean	52.6	-	29	2.0
	LSD 0.20	5.6	-	2	0.3
	CV, %	9.8	-	-	-
MATURITY GROUP IV					
PUBLIC - HS 93-4118	49.4	No Data	10-13	24	1.2
PUBLIC - MONOCACY	47.6	"	10-19	28	1.2
EXPERIMENTAL - MD 04-5217	44.2	"	10-15	26	1.7
EXPERIMENTAL - IL 3309	42.5	"	10-14	20	1.0
EXPERIMENTAL - MD 04-5545	41.9	"	10-18	23	1.3
EXPERIMENTAL - MD 04-5060	41.8	"	10-09	20	1.2
EXPERIMENTAL - MD 06-5693	41.1	"	10-19	25	1.0
EXPERIMENTAL - MD 04-5550	40.9	"	10-18	27	1.3
USG - 440nSTS	40.7	"	10-18	23	1.2
PUBLIC - LS 93-0375	40.6	"	10-14	24	1.3
EXPERIMENTAL - MD 05-6381	39.5	"	10-13	25	1.2
EXPERIMENTAL - MD 06-5613	39.4	"	10-19	30	2.0
EXPERIMENTAL - MD 04-6006	36.8	"	10-18	20	1.3
EXPERIMENTAL - MD 0607WN 37	36.7	"	10-21	27	1.7
EXPERIMENTAL - MD 06-5700	36.6	"	10-13	27	1.7
EXPERIMENTAL - MD 05-5355	36.1	"	10-19	26	1.2
EXPERIMENTAL - MD 06-5683	34.5	"	10-17	28	1.5
EXPERIMENTAL - MD 05-5585	33.0	"	10-16	22	1.3
EXPERIMENTAL - MD 0607WN 33	32.6	"	10-21	21	1.2
	Mean	39.8	-	25	1.3
	LSD 0.20	6.6	-	2	0.3
	CV, %	15.6	-	-	-

Table 4. (Continued) Clarksville - Standard Soybean Varieties

BRAND - ENTRY	Seed Yield, Bu/A		Maturity Date	2008	
	2008	2007		Height, Inches	Lodging Score*
MATURITY GROUP IV-S					
PUBLIC - MD 4900	54.9	No Data	10-23	25	1.0
EXPERIMENTAL - MD 00-6015	49.5	"	10-20	23	1.0
EXPERIMENTAL - MD 00-5326	48.5	"	10-18	24	1.2
EXPERIMENTAL - MD 03-6420	48.1	"	10-25	31	1.2
EXPERIMENTAL - MD 01-5866	47.7	"	10-24	26	1.3
PUBLIC - KS 4602N	46.3	"	10-21	24	1.2
EXPERIMENTAL - MD 03-5527	44.6	"	10-19	26	1.2
PUBLIC - MANOKIN	44.5	"	10-25	32	2.0
EXPERIMENTAL - MD 0506WN 99	44.2	"	10-28	33	2.7
EXPERIMENTAL - MD 05-5656	41.6	"	10-30	32	3.0
EXPERIMENTAL - MD 04-6101	38.1	"	10-21	26	1.2
EXPERIMENTAL - MD 05-6067	36.8	"	10-24	34	1.5
EXPERIMENTAL - MD 05-6384	35.3	"	10-20	25	1.0
EXPERIMENTAL - MD 04-6008	33.3	"	10-20	28	1.2
EXPERIMENTAL - MD 05-6078	32.6	"	10-25	28	2.0
	Mean	43.1	-	28	1.5
	LSD 0.20	4.3	-	2	0.4
	CV, %	9.3	-	-	-

*Lodging Score: 1=all plants erect, to 5=all plants down

Table 5. Performance of standard soybean varieties planted at Queenstown.

BRAND - ENTRY	Seed Yield, Bu/A			2008		
	2008	2007	2-Year	Maturity Date	Height, Inches	Lodging Score*
MATURITY GROUP III						
PUBLIC - IA 3024	46.1	-	-	10-07	26	1.0
EXPERIMENTAL - MD 05-5633	45.3	-	-	10-07	27	1.2
EXPERIMENTAL - V 03-7779	45.3	-	-	10-07	27	1.0
PUBLIC - IA 3023	45.2	23.7	34.5	10-07	25	1.0
PUBLIC - MACON	45.0	24.6	34.8	10-07	27	1.0
EXPERIMENTAL - U9842	44.7	39.3	42.0	10-07	26	1.0
EXPERIMENTAL - V 02-8659	42.5	-	-	10-07	29	1.0
EXPERIMENTAL - MD 03-5188	39.9	23.0	31.5	10-07	37	1.3
EXPERIMENTAL - MD 03-5453	38.5	20.3	29.4	10-07	25	1.0
EXPERIMENTAL - MD 05-6377	34.5	17.6	26.1	10-02	29	1.5
Mean	42.7	25.2	34.0	-	28	1.1
LSD 0.20	3.1	2.9	-	-	2	0.2
CV, %	6.8	10.7	-	-	-	-
MATURITY GROUP IV						
PUBLIC - HS 93-4118	51.6	32.7	42.2	10-15	26	1.5
EXPERIMENTAL - IL 3309	51.5	37.5	44.5	10-14	25	1.3
USG - 440nSTS	51.4	34.7	43.1	10-11	31	1.2
PUBLIC - MONOCACY	51.0	32.8	41.9	10-15	32	1.3
PUBLIC - LS 93-0375	50.5	36.1	43.3	10-09	31	1.2
EXPERIMENTAL - MD 06-5693	50.3	-	-	10-15	33	1.3
EXPERIMENTAL - MD 06-5700	49.5	-	-	10-10	33	2.5
EXPERIMENTAL - MD 04-5060	49.0	-	-	10-07	27	1.0
EXPERIMENTAL - MD 05-5355	48.8	-	-	10-15	34	1.7
EXPERIMENTAL - MD 04-5545	48.2	23.4	35.8	10-14	33	1.3
EXPERIMENTAL - MD 04-5550	45.7	25.2	35.5	10-12	34	1.2
EXPERIMENTAL - MD 0607WN 33	45.7	-	-	10-16	29	2.2
EXPERIMENTAL - MD 0607WN 37	45.3	-	-	10-15	33	1.5
EXPERIMENTAL - MD 05-6381	43.8	26.7	35.2	10-11	26	1.0
EXPERIMENTAL - MD 04-5217	43.6	39.3	41.5	10-09	28	1.0
EXPERIMENTAL - MD 05-5585	42.3	-	-	10-06	32	1.5
EXPERIMENTAL - MD 06-5683	42.0	-	-	10-15	32	1.5
EXPERIMENTAL - MD 06-5613	41.8	-	-	10-16	37	1.5
EXPERIMENTAL - MD 04-6006	41.8	27.5	34.6	10-09	27	1.0
Mean	47.1	32.1	39.6	-	31	1.4
LSD 0.20	4.1	3.3	-	-	2	0.3
CV, %	8.1	9.6	-	-	-	-

Table 5. (Continued) Queenstown – Standard Soybean Varieties

BRAND - ENTRY	Seed Yield, Bu/A			2008		
	2008	2007	2-Year	Maturity Date	Height, Inches	Lodging Score*
MATURITY GROUP IV-S						
EXPERIMENTAL - MD 01-5866	47.2	41.0	44.1	10-17	25	1.3
EXPERIMENTAL - MD 00-5326	44.6	29.4	37.0	10-16	32	1.2
PUBLIC - MD 4900	41.1	21.7	31.4	10-17	26	1.2
PUBLIC - MANOKIN	39.6	35.9	37.8	10-17	32	2.8
PUBLIC - KS 4602N	39.1	32.8	35.9	10-11	32	1.0
EXPERIMENTAL - MD 00-6015	37.7	30.3	34.0	10-17	22	1.2
EXPERIMENTAL - MD 04-6101	34.0	24.4	29.2	10-14	23	1.3
EXPERIMENTAL - MD 0506WN 99	33.4	-	-	10-16	32	1.8
EXPERIMENTAL - MD 03-5527	30.8	16.4	23.6	10-08	27	1.0
EXPERIMENTAL - MD 03-6420	30.7	22.7	26.7	10-16	29	1.2
EXPERIMENTAL - MD 05-6384	30.1	14.0	22.0	10-07	26	1.0
EXPERIMENTAL - MD 05-6078	29.6	-	-	10-16	21	1.7
EXPERIMENTAL - MD 04-6008	29.1	14.6	21.8	10-08	32	1.3
EXPERIMENTAL - MD 05-5656	26.7	21.4	24.1	10-17	33	2.5
EXPERIMENTAL - MD 05-6067	26.0	-	-	10-10	36	1.0
Mean	34.6	24.7	29.7	-	29	1.4
LSD 0.20	4.6	3.9	-	-	2	0.4
CV, %	12.4	14.6	-	-	-	-
MATURITY GROUP V						
EXPERIMENTAL - MD 04-5218	40.3	33.8	37.0	10-17	23	1.3
EXPERIMENTAL - MD 99-6226	34.6	29.6	32.1	10-18	25	1.0
PUBLIC - HUTCHESON	32.5	26.6	29.5	10-18	21	1.0
EXPERIMENTAL - MD 06-6182	29.6	-	-	10-17	25	1.0
USG - 5601T	29.4	36.3	32.9	10-18	29	1.7
PUBLIC - ESSEX	29.4	21.1	25.2	10-15	23	1.0
PUBLIC - HOLLADAY	28.3	22.4	25.3	10-15	22	1.0
PUBLIC - TEEJAY	25.7	21.2	23.4	10-17	25	1.2
USG - 5002T	24.6	24.5	24.6	10-17	27	1.5
EXPERIMENTAL - MD 05-6124	20.3	-	-	10-16	25	1.3
EXPERIMENTAL - MD 06-5718	19.8	-	-	10-18	26	1.7
Mean	28.6	28.9	28.8	-	25	1.2
LSD 0.20	5.9	3.4	-	-	1	0.3
CV, %	19.1	10.7	-	-	-	-

*Lodging Score: 1=all plants erect, to 5=all plants down

Table 6. Performance of standard soybean varieties planted full-season at Quantico.

BRAND - ENTRY	Seed Yield, Bu/A			2008		
	2008	2007	2-Year	Maturity Date	Height, Inches	Lodging Score*
MATURITY GROUP III						
PUBLIC - MACON	34.4	31.3	32.8	9-29	25	1.7
EXPERIMENTAL - V 02-8659	34.2	-	-	10-04	27	2.0
EXPERIMENTAL - U9842	34.0	45.5	39.8	9-23	22	1.2
EXPERIMENTAL - V 03-7779	32.8	-	-	10-04	25	2.0
PUBLIC - IA 3023	32.8	35.1	33.9	9-19	23	1.7
EXPERIMENTAL - MD 05-5633	32.2	-	-	9-19	25	1.5
EXPERIMENTAL - MD 03-5453	32.0	36.8	34.4	9-19	24	2.0
PUBLIC - IA 3024	31.5	-	-	9-19	24	1.8
EXPERIMENTAL - MD 03-5188	29.4	28.3	28.8	9-22	32	1.8
EXPERIMENTAL - MD 05-6377	27.1	30.6	28.9	9-23	29	2.2
Mean	32.0	35.8	33.9	-	26	1.8
LSD 0.20	ns	7.0	-	-	2	0.2
CV, %	11.3	18.1	-	-	-	-
MATURITY GROUP IV						
EXPERIMENTAL - MD 06-5700	25.3	-	-	9-28	28	2.0
EXPERIMENTAL - MD 06-5613	24.6	-	-	10-06	27	1.5
PUBLIC - LS 93-0375	23.9	40.5	32.2	10-02	24	1.2
EXPERIMENTAL - MD 04-5550	23.7	39.4	31.5	10-06	26	1.0
EXPERIMENTAL - MD 0607WN 37	23.3	-	-	10-06	28	1.2
EXPERIMENTAL - MD 06-5683	23.2	-	-	10-07	28	1.2
EXPERIMENTAL - MD 04-5060	22.7	-	-	9-19	24	1.5
PUBLIC - MONOCACY	22.6	41.2	31.9	10-04	27	1.3
EXPERIMENTAL - MD 04-6006	22.5	39.9	31.2	9-27	25	1.0
EXPERIMENTAL - MD 0607WN 33	22.1	-	-	10-09	25	1.3
EXPERIMENTAL - IL 3309	22.1	43.9	33.0	9-20	23	1.3
EXPERIMENTAL - MD 05-5355	22.0	-	-	10-06	27	1.2
PUBLIC - HS 93-4118	21.8	39.5	30.6	9-30	23	1.3
EXPERIMENTAL - MD 06-5693	21.7	-	-	10-06	26	1.5
EXPERIMENTAL - MD 04-5217	21.4	42.3	31.8	10-03	27	1.5
EXPERIMENTAL - MD 04-5545	21.2	45.0	33.1	10-06	27	1.2
USG - 440nSTS	20.8	42.1	31.4	10-05	25	1.5
EXPERIMENTAL - MD 05-6381	20.6	34.7	27.6	10-06	26	1.3
EXPERIMENTAL - MD 05-5585	15.9	-	-	9-25	24	1.3
Mean	22.2	39.8	31.0	-	26	1.3
LSD 0.20	2.6	3.8	-	-	2	0.3
CV, %	11.0	9.0	-	-	-	-

Table 6. (Continued) Quantico - Full Season, Standard Soybean Varieties

BRAND - ENTRY	Seed Yield, Bu/A			2008		
	2008	2007	2-Year	Maturity Date	Height, Inches	Lodging Score*
	MATURITY GROUP IV-S					
EXPERIMENTAL - MD 00-6015	36.7	49.3	43.0	10-16	22	1.2
PUBLIC - MD 4900	35.1	41.3	38.2	10-17	23	1.3
EXPERIMENTAL - MD 01-5866	34.1	35.6	34.9	10-19	25	1.0
PUBLIC - MANOKIN	31.5	33.2	32.3	10-17	35	2.3
EXPERIMENTAL - MD 00-5326	30.5	41.0	35.8	10-16	27	1.2
EXPERIMENTAL - MD 03-6420	30.2	40.5	35.3	10-18	29	1.2
EXPERIMENTAL - MD 05-6384	29.9	32.8	31.4	10-05	30	1.2
PUBLIC - KS 4602N	29.5	41.9	35.7	10-13	28	1.3
EXPERIMENTAL - MD 04-6101	28.8	36.7	32.8	10-17	28	1.5
EXPERIMENTAL - MD 03-5527	27.9	40.2	34.1	10-17	25	1.0
EXPERIMENTAL - MD 05-5656	27.0	37.6	32.3	10-18	37	4.0
EXPERIMENTAL - MD 05-6078	27.0	-	-	10-11	26	1.5
EXPERIMENTAL - MD 0506WN 99	26.7	-	-	10-18	31	1.7
EXPERIMENTAL - MD 04-6008	23.2	36.0	29.6	10-11	27	1.3
EXPERIMENTAL - MD 05-6067	21.5	-	-	10-17	35	2.0
Mean	29.3	38.7	34.0	-	28	1.6
LSD 0.20	4.4	ns	-	-	3	0.3
CV, %	14.1	16.4	-	-	-	-
MATURITY GROUP V						
PUBLIC - TEEJAY	48.1	50.4	49.2	10-23	32	2.7
EXPERIMENTAL - MD 99-6226	45.8	47.6	46.7	10-17	27	2.5
PUBLIC - HUTCHESON	43.5	42.8	43.2	10-23	31	2.7
PUBLIC - ESSEX	43.4	46.8	45.1	10-16	28	2.5
USG - 5601T	43.0	46.2	44.6	10-23	35	3.0
PUBLIC - HOLLADAY	42.7	45.1	43.9	10-15	28	2.2
USG - 5002T	42.2	47.2	44.7	10-18	32	2.8
EXPERIMENTAL - MD 04-5218	37.8	37.8	37.8	10-17	32	3.3
EXPERIMENTAL - MD 05-6124	33.3	-	-	10-16	28	1.7
EXPERIMENTAL - MD 06-6182	33.1	-	-	10-17	32	3.0
EXPERIMENTAL - MD 06-5718	32.4	-	-	10-20	30	3.0
Mean	40.5	45.3	42.9	-	30	2.7
LSD 0.20	5.0	ns	-	-	2	0.4
CV, %	11.4	13.2	-	-	-	-

*Lodging Score: 1=all plants erect, to 5=all plants down

Table 7. Performance of standard soybean varieties double cropped at Quantico.

BRAND - ENTRY	Seed Yield, Bu/A			2008		
	2008	2007	2-Year	Maturity Date	Height, Inches	Lodging Score*
	MATURITY GROUP III					
EXPERIMENTAL - V 02-8659	43.3	-	-	10-20	28	1.5
EXPERIMENTAL - V 03-7779	39.7	-	-	10-20	26	1.2
EXPERIMENTAL - U9842	39.3	34.9	37.1	10-20	20	1.0
EXPERIMENTAL - MD 05-5633	38.8	-	-	10-20	22	1.3
PUBLIC - MACON	37.5	38.3	37.9	10-20	25	1.2
EXPERIMENTAL - MD 05-6377	35.2	31.4	33.3	10-20	23	1.5
EXPERIMENTAL - MD 03-5453	35.0	36.2	35.6	10-20	24	1.0
PUBLIC - IA 3024	35.0	-	-	10-20	23	1.0
PUBLIC - IA 3023	34.8	34.3	34.5	10-20	22	1.0
EXPERIMENTAL - MD 03-5188	34.7	33.5	34.1	10-20	32	1.2
Mean	37.3	33.3	35.3	-	24	1.2
LSD 0.20	3.2	4.4	-	-	2	ns
CV, %	7.8	12.3	-	-	-	-
MATURITY GROUP IV						
EXPERIMENTAL - MD 04-5060	42.2	-	-	10-23	27	1.0
EXPERIMENTAL - IL 3309	42.2	35.4	38.8	10-23	23	1.0
PUBLIC - HS 93-4118	41.7	38.0	39.9	10-23	24	1.2
EXPERIMENTAL - MD 04-5550	40.7	32.0	36.4	10-23	26	1.8
EXPERIMENTAL - MD 04-5545	40.3	35.4	37.9	10-23	27	1.5
PUBLIC - MONOCACY	39.3	39.5	39.4	10-23	27	1.3
EXPERIMENTAL - MD 04-5217	38.8	35.6	37.2	10-23	27	2.7
USG - 440nSTS	38.7	35.9	37.3	10-23	25	1.5
PUBLIC - LS 93-0375	38.4	35.1	36.7	10-23	25	1.0
EXPERIMENTAL - MD 06-5693	38.3	-	-	10-23	29	1.5
EXPERIMENTAL - MD 06-5700	37.3	-	-	10-23	28	2.8
EXPERIMENTAL - MD 0607WN 33	37.2	-	-	10-23	22	1.2
EXPERIMENTAL - MD 05-5355	36.4	-	-	10-23	32	1.7
EXPERIMENTAL - MD 05-5585	35.9	-	-	10-23	26	1.2
EXPERIMENTAL - MD 06-5613	34.4	-	-	10-23	31	1.5
EXPERIMENTAL - MD 0607WN 37	33.2	-	-	10-23	28	1.2
EXPERIMENTAL - MD 04-6006	31.7	37.2	34.5	10-23	24	1.0
EXPERIMENTAL - MD 06-5683	30.3	-	-	10-23	25	1.0
EXPERIMENTAL - MD 05-6381	29.6	33.3	31.4	10-23	24	1.0
Mean	37.2	36.0	36.6	-	26	1.4
LSD 0.20	4.5	ns	-	-	2	0.3
CV, %	11.4	11.8	-	-	-	-

Table 7. (Continued) Quantico - Double Cropped, Standard Soybean Varieties

BRAND - ENTRY	Seed Yield, Bu/A			2008		
	2008	2007	2-Year	Maturity Date	Height, Inches	Lodging Score*
	MATURITY GROUP IV-S					
EXPERIMENTAL - MD 01-5866	45.4	32.0	38.7	10-23	30	1.5
EXPERIMENTAL - MD 00-6015	45.1	34.0	39.5	10-25	28	1.2
PUBLIC - MD 4900	42.9	36.7	39.8	10-26	26	1.2
PUBLIC - MANOKIN	42.0	32.8	37.4	10-25	34	3.2
EXPERIMENTAL - MD 00-5326	41.4	39.3	40.4	10-23	25	1.0
PUBLIC - KS 4602N	40.6	33.7	37.1	10-23	28	1.2
EXPERIMENTAL - MD 04-6101	38.6	27.3	32.9	10-23	30	1.3
EXPERIMENTAL - MD 03-6420	37.9	31.6	34.7	10-25	31	1.7
EXPERIMENTAL - MD 0506WN 99	37.8	-	-	10-25	37	3.2
EXPERIMENTAL - MD 03-5527	36.2	28.4	32.3	10-23	28	1.3
EXPERIMENTAL - MD 05-6384	35.2	19.4	27.3	10-23	28	1.3
EXPERIMENTAL - MD 05-6067	33.2	-	-	10-23	37	2.0
EXPERIMENTAL - MD 05-6078	32.4	-	-	10-23	27	1.7
EXPERIMENTAL - MD 04-6008	32.3	23.4	27.8	10-23	34	2.3
EXPERIMENTAL - MD 05-5656	29.2	31.5	30.4	10-28	35	3.2
Mean	38.0	30.4	34.2	-	31	1.8
LSD 0.20	3.8	5.4	-	-	2	0.3
CV, %	9.3	16.6	-	-	-	-
MATURITY GROUP V						
EXPERIMENTAL - MD 99-6226	53.7	42.2	48.0	10-27	33	2.5
USG - 5002T	47.2	43.9	45.6	10-25	33	3.0
PUBLIC - HOLLADAY	46.1	46.2	46.2	10-25	30	1.8
PUBLIC - HUTCHESON	45.3	40.1	42.7	10-28	34	2.7
PUBLIC - TEEJAY	45.3	36.5	40.9	10-28	34	2.7
USG - 5601T	44.6	40.4	42.5	10-28	42	2.8
PUBLIC - ESSEX	43.7	40.9	42.3	10-28	31	1.8
EXPERIMENTAL - MD 04-5218	41.2	41.8	41.5	10-25	31	2.8
EXPERIMENTAL - MD 06-5718	40.8	-	-	10-25	32	3.3
EXPERIMENTAL - MD 06-6182	36.7	-	-	10-25	41	3.5
EXPERIMENTAL - MD 05-6124	34.3	-	-	10-23	29	1.2
Mean	43.5	40.8	42.2	-	34	2.6
LSD 0.20	3.6	3.5	-	-	2	0.5
CV, %	7.7	7.9	-	-	-	-

*Lodging Score: 1=all plants erect, to 5=all plants down

Table 8. Relative yields of standard varieties compared to the mean of all varieties in that maturity group at each location in 2008.

BRAND - ENTRY	Clarksville	Queenstown	Quantico	
			Full Season	Double Crop
MATURITY GROUP III		Relative Yield, % of Mean		
PUBLIC - IA 3023	106*	106*	102	93
PUBLIC - IA 3024	110*	108*	98	94
PUBLIC - MACON	107*	105*	107*	101
EXPERIMENTAL - U9842	103	105*	106	105
EXPERIMENTAL - MD 03-5188	99	94	92	93
EXPERIMENTAL - MD 03-5453	71	90	100	94
EXPERIMENTAL - MD 05-5633	110*	106*	101	104
EXPERIMENTAL - MD 05-6377	79	81	85	94
EXPERIMENTAL - V 02-8659	114*	100	107	116*
EXPERIMENTAL - V 03-7779	101	106*	103	107
Location/Group Mean Yield	52.6	42.7	32.0ns	37.3
MATURITY GROUP IV				
PUBLIC - HS 93-4118	124*	110*	98	112*
EXPERIMENTAL - IL 3309	107	109*	99	113*
PUBLIC - LS 93-0375	102	107*	108*	103*
PUBLIC - MONOCACY	120*	108*	102	106*
USG - 440nSTS	102	109*	94	104*
EXPERIMENTAL - MD 04-5060	105	104*	102*	113*
EXPERIMENTAL - MD 04-5217	111*	93	96	104*
EXPERIMENTAL - MD 04-5545	105	102*	96	108*
EXPERIMENTAL - MD 04-5550	103	97	107*	109*
EXPERIMENTAL - MD 04-6006	93	89	101	85
EXPERIMENTAL - MD 05-5355	91	104*	99	98
EXPERIMENTAL - MD 05-5585	83	90	71	97
EXPERIMENTAL - MD 05-6381	99	93	93	80
EXPERIMENTAL - MD 06-5613	99	89	111*	93
EXPERIMENTAL - MD 06-5683	87	89	104*	81
EXPERIMENTAL - MD 06-5693	103	107*	98	103*
EXPERIMENTAL - MD 06-5700	92	105*	114*	100
EXPERIMENTAL - MD 0607WN 33	82	97	100	100
EXPERIMENTAL - MD 0607WN 37	92	96	105*	89
Location/Group Mean Yield	39.8	47.1	22.2	37.2

Table 8. (Continued) Relative Yields, Standard Soybean Varieties

BRAND – ENTRY	Clarksville	Queenstown	Quantic	
			Full Season	Double Crop
MATURITY GROUP IV-S		Relative Yield, % of Mean		
PUBLIC - KS 4602N	108	113	101	107
PUBLIC - MANOKIN	103	115	107	111*
PUBLIC- MD 4900	127*	119	120*	113*
EXPERIMENTAL - MD 00-5326	113	129*	104	109
EXPERIMENTAL - MD 00-6015	115	109	125*	119*
EXPERIMENTAL - MD 01-5866	111	137*	116*	120*
EXPERIMENTAL - MD 03-5527	104	89	95	95
EXPERIMENTAL - MD 03-6420	112	89	103	100
EXPERIMENTAL - MD 04-6008	77	84	79	85
EXPERIMENTAL - MD 04-6101	88	98	98	102
EXPERIMENTAL - MD 05-5656	97	77	92	77
EXPERIMENTAL - MD 05-6067	85	75	74	87
EXPERIMENTAL - MD 05-6078	76	85	92	85
EXPERIMENTAL - MD 05-6384	82	87	102	93
EXPERIMENTAL - MD 0506WN 99	103	96	91	99
Location/Group Mean Yield	43.1	34.6	29.3	38.0
MATURITY GROUP V				
PUBLIC - ESSEX	-	103	107*	100
PUBLIC - HOLLADAY	-	99	105	106
PUBLIC - HUTCHESON	-	114	107*	104
PUBLIC - TEEJAY	-	90	119*	104
USG - 5002T	-	86	104	109
USG - 5601T	-	103	106	102
EXPERIMENTAL - MD 99-6226	-	121*	113*	124*
EXPERIMENTAL - MD 04-5218	-	141*	93	95
EXPERIMENTAL - MD 05-6124	-	71	82	79
EXPERIMENTAL - MD 06-5718	-	69	80	94
EXPERIMENTAL - MD 06-6182	-	104	82	84
Location/Group Mean Yield	-	28.6	40.5	43.5

ns=no significant differences among entries in this group

*Yield is not significantly different from the highest yielding entry in the maturity group at this location.

Actual variety yield can be obtained by converting the relative yield to a decimal percentage and multiplying this value by the location/group mean yield. A variety with a relative yield that is consistently greater than 100 is a variety that consistently yields higher than the mean yield of all of those varieties in that maturity group.

Table 9. Performance of Roundup Ready soybean varieties planted at Keedysville.

BRAND - ENTRY	Seed Yield, Bu/A			2008	
	2008	2007	2-Year	Height, Inches	Lodging Score*
	MATURITY GROUP III				
TA SEEDS - TS3989RS	63.5	-	-	28	1.2
TA SEEDS - TS3689R	63.5	-	-	27	1.2
ASGROW - AG3803	62.4	62.4	62.4	29	1.0
USG - 7384nRS	61.6	53.8	57.7	25	1.0
SEEDWAY - SG3808RR	60.7	-	-	28	1.2
S.STATES - RT3860	60.5	57.9	59.2	26	1.0
ASGROW - AG3705	60.3	53.0	56.7	28	1.0
DYNA GRO - 37P37	59.2	-	-	26	1.0
S.STATES - RT3971N	58.6	63.9	61.3	28	1.2
DYNA GRO - 32X39	57.5	-	-	26	1.0
MID ATLANTIC - MA3955RR	57.4	-	-	27	1.0
HISOY - HS39R70	56.6	-	-	31	1.2
USG - 73H77	56.4	-	-	22	1.2
S.STATES - RT3871N	55.6	56.1	55.9	29	1.0
MID ATLANTIC - MA3788RR	54.9	-	-	27	1.8
MID ATLANTIC - MA3877RR	54.7	-	-	30	1.2
MID ATLANTIC - MA3400RR	54.7	-	-	26	1.0
MID ATLANTIC - MA3599RR	54.3	-	-	32	1.0
MID ATLANTIC - MA3377RR	53.7	-	-	28	1.0
MID ATLANTIC - MA3488RR	53.0	-	-	26	1.0
Mean	58.0	57.0	57.5	27	1.1
LSD 0.20	ns	7.4	-	3	ns
CV, %	10.9	12.1	-	-	-
MATURITY GROUP IV					
ASGROW - AG4303	69.7	-	-	30	1.2
HISOY - HS42T80	63.8	-	-	31	1.3
MID ATLANTIC - MA4077RR	63.6	-	-	31	1.2
S.STATES - RT4470N	63.3	53.4	58.4	26	1.0
SCHILLINGER - 447.RC	62.2	51.5	56.8	27	1.0
SEEDWAY - SG4008RR/STS	61.8	-	-	28	1.0
S.STATES - RT4440N	60.9	53.7	57.3	31	1.0
S.STATES - RT4451N	59.9	56.2	58.0	31	1.0
TA SEEDS - TS4499R	59.4	-	-	31	1.0
USG - 74A27	59.3	52.3	55.8	29	1.0
S.STATES - RT4151N	59.2	50.4	54.8	28	1.0
TA SEEDS - TS4299RS	58.9	-	-	28	1.2
S.STATES - RT4551N	58.5	51.5	55.0	32	1.0
USG - 74A45	57.5	55.7	56.6	33	1.2

Table 9. (Continued) Keedysville - Roundup Ready Soybean Varieties

BRAND - ENTRY	Seed Yield, Bu/A			2008	
	2008	2007	2-Year	Height, Inches	Lodging Score*
MATURITY GROUP IV - CONTINUED					
USG - 74B58	57.1	-	-	23	1.0
S.STATES - RT4370N	57.1	53.9	55.5	34	1.0
ASGROW - AG4404	55.2	56.5	55.9	29	1.3
ASGROW - AG4005	53.3	-	-	29	1.3
DYNA GRO - V45N9RR	52.8	-	-	28	1.0
DYNA GRO - 33A40	52.5	-	-	27	1.0
Mean	59.3	53.4	56.4	29	1.1
LSD 0.20	4.7	ns	-	3	ns
CV, %	7.4	10.0	-	-	-
MATURITY GROUP IV-S					
S.STATES - RT4888N	65.4	-	-	34	1.2
DYNA GRO - V47N8RR	64.6	-	-	34	1.2
USG - 74A76	64.4	56.9	60.6	33	1.2
S.STATES - RT4808N	63.0	56.1	59.5	32	1.0
S.STATES - RT4996N	62.9	49.6	56.3	35	1.3
HISOY - HS476NRR	62.7	50.8	56.8	27	1.2
EXPERIMENTAL - MD 02-651RR	62.7	56.0	59.3	29	1.2
ASGROW - AG4606	62.5	-	-	30	1.0
DYNA GRO - V49N6RR	62.5	-	-	37	1.0
DYNA GRO - 32P48	62.2	-	-	33	1.0
S.STATES - RT4777N	60.4	54.4	57.4	33	1.0
USG - 74A88	59.6	-	-	32	1.2
USG - 74E88	57.6	-	-	32	1.2
Mean	62.3	54.9	58.6	32	1.1
LSD 0.20	ns	4.8	-	2	ns
CV, %	5.3	8.1	-	-	-

*Lodging Score:1=all plants erect, to 5=all plants down

Table 10. Performance of Roundup Ready soybean varieties planted at Clarksville.

BRAND - ENTRY	2008				
	Seed Yield, Bu/A		Maturity Date	Height, Inches	Lodging Score*
	2008	2007			
MATURITY GROUP III					
ASGROW - AG3803	56.4	No Data	10-22	25	1.0
MID ATLANTIC - MA3599RR	55.1	"	10-13	27	1.0
USG - 73H77	54.3	"	10-18	24	1.0
MID ATLANTIC - MA3877RR	54.3	"	10-21	29	1.2
USG - 7384nRS	53.1	"	10-19	22	1.0
S.STATES - RT3871N	52.9	"	10-21	26	1.0
TA SEEDS - TS3689R	52.0	"	10-18	25	1.0
S.STATES - RT3971N	50.5	"	10-21	25	1.0
SEEDWAY - SG3808RR	50.1	"	10-21	23	1.0
MID ATLANTIC - MA3955RR	49.9	"	10-18	23	1.0
DYNA GRO - 32X39	49.7	"	10-19	26	1.0
DYNA GRO - 37P37	49.6	"	10-18	23	1.0
HISOY - HS39R70	49.4	"	10-21	23	1.0
TA SEEDS - TS3989RS	49.3	"	10-22	26	1.0
S.STATES - RT3860	48.8	"	10-14	24	1.0
ASGROW - AG3705	48.6	"	10-21	23	1.0
MID ATLANTIC - MA3788RR	48.0	"	10-16	25	1.0
MID ATLANTIC - MA3488RR	42.8	"	10-15	25	1.0
MID ATLANTIC - MA3377RR	42.1	"	10-13	22	1.0
MID ATLANTIC - MA3400RR	39.3	"	10-15	21	1.0
	Mean	49.8	-	24	1.0
	LSD 0.20	4.8	-	3	ns
	CV, %	9.1	-	-	-
MATURITY GROUP IV					
DYNA GRO - V45N9RR	54.3	No Data	10-23	25	1.0
USG - 74A27	54.0	"	10-23	27	1.0
SEEDWAY - SG4008RR/STS	53.1	"	10-20	23	1.0
S.STATES - RT4370N	52.8	"	10-22	27	1.0
S.STATES - RT4551N	52.6	"	10-25	28	1.0
S.STATES - RT4151N	52.4	"	10-20	25	1.0
S.STATES - RT4451N	52.4	"	10-23	25	1.0
TA SEEDS - TS4299RS	52.4	"	10-20	24	1.0
ASGROW - AG4404	52.2	"	10-27	27	1.0
USG - 74A45	52.1	"	10-24	31	1.0
HISOY - HS42T80	51.9	"	10-20	23	1.0
ASGROW - AG4303	51.9	"	10-22	22	1.0
TA SEEDS - TS4499R	49.9	"	10-24	25	1.0
S.STATES - RT4470N	48.8	"	10-22	22	1.0

Table 10. (Continued) Clarksville - Roundup Ready Soybean Varieties

BRAND - ENTRY	Seed Yield, Bu/A		2008		
	2008	2007	Maturity Date	Height, Inches	Lodging Score*
MATURITY GROUP IV - CONTINUED					
S.STATES - RT4440N	48.4	No data	10-21	27	1.0
SCHILLINGER - 447.RC	48.0	"	10-22	24	1.0
USG - 74B58	47.8	"	10-21	22	1.0
MID ATLANTIC - MA4077RR	47.1	"	10-20	23	1.0
DYNA GRO - 33A40	46.2	"	10-20	25	1.0
ASGROW - AG4005	45.8	"	10-23	24	1.0
	Mean	50.7	-	25	1.0
	LSD 0.20	ns	-	2	ns
	CV, %	10.2	-	-	-
MATURITY GROUP IV-S					
USG - 74A88	57.9	No Data	10-27	29	1.0
USG - 74A76	51.4	"	10-25	27	1.0
DYNA GRO - V47N8RR	51.2	"	10-24	27	1.0
S.STATES - RT4808N	50.8	"	10-27	26	1.0
USG - 74E88	50.3	"	10-27	24	1.0
S.STATES - RT4777N	48.6	"	10-28	27	1.0
DYNA GRO - 32P48	48.3	"	10-27	28	1.0
S.STATES - RT4996N	47.8	"	10-28	27	1.0
DYNA GRO - V49N6RR	47.0	"	10-27	30	1.2
S.STATES - RT4888N	45.7	"	10-27	28	1.0
EXPERIMENTAL - MD 02-651RR	45.5	"	10-23	24	1.0
HISOY - HS476NRR	45.4	"	10-28	25	1.0
ASGROW - AG4606	43.4	"	10-27	25	1.0
	Mean	48.7	-	27	1.0
	LSD 0.20	4.7	-	3	ns
	CV, %	9.0	-	-	-

*Lodging Score: 1=all plants erect, to 5=all plants down

Table 11. Performance of Roundup Ready soybean varieties planted full season at Queenstown.

BRAND - ENTRY	Seed Yield, Bu/A			2008		
	2008	2007	2-Year	Maturity Date	Height, Inches	Lodging Score*
	MATURITY GROUP III					
ASGROW - AG3803	48.0	49.5	48.8	10-08	29	1.0
ASGROW - AG3705	47.9	53.9	50.9	10-09	30	1.0
TA SEEDS - TS3989RS	47.5	-	-	10-06	29	1.0
DYNA GRO - 32X39	46.3	-	-	10-07	25	1.0
MID ATLANTIC - MA3955RR	46.2	-	-	10-07	26	1.0
MID ATLANTIC - MA3877RR	45.8	-	-	10-07	29	1.0
MID ATLANTIC - MA3377RR	44.9	-	-	9-26	24	1.0
S.STATES - RT3871N	44.8	54.0	49.4	10-08	28	1.0
SEEDWAY - SG3808RR	44.3	-	-	10-08	29	1.0
HISOY - HS39R70	43.4	-	-	10-07	29	1.0
S.STATES - RT3860	43.3	60.1	51.7	10-04	27	1.0
S.STATES - RT3971N	42.6	43.0	42.8	10-06	25	1.0
USG - 7384nRS	42.5	38.5	40.5	10-06	26	1.0
MID ATLANTIC - MA3599RR	42.4	-	-	10-03	28	1.2
MID ATLANTIC - MA3788RR	42.3	-	-	10-07	27	1.0
USG - 73H77	40.8	-	-	10-03	26	1.0
DYNA GRO - 37P37	40.7	-	-	10-06	24	1.0
MID ATLANTIC - MA3400RR	40.2	-	-	10-04	23	1.2
MID ATLANTIC - MA3488RR	39.9	-	-	10-02	25	1.3
TA SEEDS - TS3689R	35.6	-	-	10-05	24	1.2
Mean	43.5	49.7	46.6	-	27	1.0
LSD 0.20	3.8	ns	-	-	2	0.1
CV, %	8.3	18.2	-	-	-	-
MATURITY GROUP IV						
TA SEEDS - TS4299RS	57.2	-	-	10-07	30	1.2
ASGROW - AG4303	56.4	-	-	10-07	30	1.0
S.STATES - RT4440N	56.4	65.3	60.8	10-06	34	1.7
USG - 74A27	55.2	60.2	57.7	10-09	31	1.3
USG - 74B58	54.7	-	-	10-07	27	1.0
DYNA GRO - V45N9RR	54.3	-	-	10-10	29	1.0
ASGROW - AG4005	53.6	-	-	10-08	32	1.2
S.STATES - RT4470N	53.5	58.2	55.9	10-07	27	1.0
DYNA GRO - 33A40	53.5	-	-	10-08	29	1.2
S.STATES - RT4370N	52.9	58.1	55.5	10-08	36	2.0
HISOY - HS42T80	52.7	-	-	10-07	29	1.5
S.STATES - RT4451N	52.6	61.5	57.1	10-07	33	1.5
SCHILLINGER - 447.RC	52.3	56.0	54.2	10-10	31	1.0
ASGROW - AG4404	51.5	62.1	56.8	10-09	28	1.2

Table 11. (Continued) Queenstown - Full Season, Roundup Ready Soybean Varieties

BRAND – ENTRY	Seed Yield, Bu/A			2008		
	2008	2007	2-Year	Maturity Date	Height, Inches	Lodging Score*
	MATURITY GROUP IV - CONTINUED					
USG - 74A45	51.2	51.7	51.4	10-07	33	1.5
S.STATES - RT4551N	50.7	68.3	59.5	10-07	31	1.3
S.STATES - RT4151N	50.0	66.3	58.2	10-06	31	1.3
TA SEEDS - TS4499R	49.8	-	-	10-09	30	1.0
SEEDWAY - SG4008RR/STS	49.8	-	-	10-07	29	1.0
MID ATLANTIC - MA4077RR	46.5	-	-	10-07	29	1.2
Mean	52.7	60.4	56.6	-	31	1.3
LSD 0.20	ns	6.5	-	-	3	0.4
CV, %	9.2	10.1	-	-	-	-
MATURITY GROUP IV-S						
S.STATES - RT4777N	53.6	56.4	55.0	10-16	35	1.8
S.STATES - RT4996N	52.3	64.6	58.4	10-15	36	2.0
S.STATES - RT4808N	51.1	62.0	56.6	10-16	32	1.2
HISOY - HS476NRR	50.6	60.2	55.4	10-15	26	1.0
USG - 74A88	50.1	-	-	10-16	32	1.2
USG - 74A76	50.0	60.4	55.2	10-11	34	1.7
S.STATES - RT4888N	50.0	-	-	10-16	32	1.2
DYNA GRO - V49N6RR	50.0	-	-	10-15	40	1.7
DYNA GRO - 32P48	49.9	-	-	10-10	32	1.3
DYNA GRO - V47N8RR	49.8	-	-	10-15	32	1.2
EXPERIMENTAL - MD 02-651RR	47.0	58.2	52.6	10-10	31	1.5
ASGROW - AG4606	45.5	-	-	10-10	31	1.2
USG - 74E88	44.6	-	-	10-16	29	1.3
Mean	49.6	59.7	54.7	-	33	1.4
LSD 0.20	ns	ns	-	-	3	0.4
CV, %	10.0	9.8	-	-	-	-
MATURITY GROUP V						
USG - 7515nRS	62.7	58.5	60.6	10-15	36	3.0
USG - 75M16	58.6	-	-	10-20	37	3.3
USG - 75J32	58.5	58.6	58.6	10-25	35	2.7
EXPERIMENTAL - V01-1693 RR	55.3	-	-	10-19	29	2.8
USG - ALLEN	55.3	52.2	53.8	10-30	38	3.2
S.STATES - RT5160N	54.8	61.0	57.9	10-20	35	2.8
EXPERIMENTAL - V01-1702 RR	54.7	-	-	10-19	33	3.2
EXPERIMENTAL - MD 06-21RR	52.8	-	-	10-27	32	1.7
EXPERIMENTAL - MD 06-26RR	47.3	-	-	10-27	33	1.8
Mean	55.6	57.4	56.5	-	34	2.7
LSD 0.20	4.4	ns	-	-	3	0.7
CV, %	7.2	8.8	-	-	-	-

*Lodging Score: 1=all plants erect, to 5=all plants down

Table 12. Performance of Roundup Ready soybean varieties double cropped at Queenstown.

BRAND - ENTRY	2008					
	Seed Yield, Bu/A			Maturity Date	Height, Inches	Lodging Score*
	2008	2007	2-Year			
MATURITY GROUP III						
ASGROW - AG3803	52.8	24.0	38.4	10-16	23	1.0
MID ATLANTIC - MA3599RR	50.8	-	-	10-16	26	1.0
USG - 73H77	50.2	-	-	10-16	22	1.0
USG - 7384nRS	48.9	18.9	33.9	10-16	22	1.0
TA SEEDS - TS3989RS	48.8	-	-	10-17	27	1.0
DYNA GRO - 37P37	48.8	-	-	10-16	24	1.0
MID ATLANTIC - MA3788RR	48.6	-	-	10-16	24	1.0
MID ATLANTIC - MA3877RR	47.9	-	-	10-16	28	1.0
S.STATES - RT3871N	47.6	19.4	33.5	10-18	26	1.0
S.STATES - RT3971N	46.9	17.1	32.0	10-16	24	1.0
SEEDWAY - SG3808RR	46.6	-	-	10-16	23	1.0
MID ATLANTIC - MA3955RR	45.8	-	-	10-16	22	1.0
HISOY - HS39R70	45.5	-	-	10-16	24	1.0
MID ATLANTIC - MA3400RR	45.4	-	-	10-16	24	1.0
ASGROW - AG3705	44.9	22.4	33.7	10-16	22	1.0
DYNA GRO - 32X39	44.4	-	-	10-16	22	1.0
S.STATES - RT3860	44.0	19.8	31.9	10-18	22	1.0
TA SEEDS - TS3689R	44.0	-	-	10-16	22	1.0
MID ATLANTIC - MA3488RR	43.3	-	-	10-16	22	1.0
MID ATLANTIC - MA3377RR	42.1	-	-	10-16	24	1.0
Mean	46.9	21.4	34.2	-	24	1.0
LSD 0.20	ns	2.3	-	-	2	ns
CV, %	9.0	9.8	-	-	-	-
MATURITY GROUP IV						
ASGROW - AG4303	63.7	-	-	10-20	25	1.0
S.STATES - RT4440N	63.5	24.3	43.9	10-18	26	1.0
ASGROW - AG4404	63.3	25.2	44.3	10-21	28	1.0
ASGROW - AG4005	61.7	-	-	10-20	26	1.0
USG - 74B58	60.5	-	-	10-18	24	1.0
USG - 74A27	59.7	23.2	41.5	10-20	27	1.0
S.STATES - RT4551N	59.6	24.2	41.9	10-21	28	1.0
DYNA GRO - V45N9RR	59.2	-	-	10-20	24	1.0
S.STATES - RT4451N	58.8	22.1	40.5	10-18	28	1.0
SCHILLINGER - 447.RC	58.1	24.9	41.5	10-20	25	1.0
DYNA GRO - 33A40	57.1	-	-	10-19	25	1.0
S.STATES - RT4470N	56.7	24.1	40.4	10-20	23	1.0
MID ATLANTIC - MA4077RR	56.5	-	-	10-18	26	1.0
TA SEEDS - TS4499R	56.2	-	-	10-22	24	1.0

Table 12. (Continued) Queenstown – Double Cropped, Roundup Ready Soybean Varieties

BRAND - ENTRY	Seed Yield, Bu/A			Maturity Date	2008	
	2008	2007	2-Year		Height, Inches	Lodging Score*
MATURITY GROUP IV - CONTINUED						
USG - 74A45	55.8	25.2	40.5	10-20	29	1.0
S.STATES - RT4370N	55.7	20.0	37.8	10-21	27	1.0
TA SEEDS - TS4299RS	54.5	-	-	10-20	24	1.0
HISOY - HS42T80	54.4	-	-	10-20	24	1.0
S.STATES - RT4151N	47.3	28.0	37.7	10-18	24	1.0
SEEDWAY - SG4008RR/STS	44.4	-	-	10-21	25	1.0
Mean	57.3	24.4	40.9	-	26	1.0
LSD 0.20	7.4	ns	-	-	2	ns
CV, %	12.1	15.7	-	-	-	-
MATURITY GROUP IV-S						
ASGROW - AG4606	62.9	-	-	10-22	30	1.0
USG - 74A88	62.5	-	-	10-22	30	1.0
DYNA GRO - V47N8RR	61.7	-	-	10-22	30	1.0
HISOY - HS476NRR	60.7	27.7	44.2	10-22	25	1.0
DYNA GRO - 32P48	59.7	-	-	10-24	30	1.0
S.STATES - RT4888N	59.7	-	-	10-24	32	1.0
S.STATES - RT4777N	59.3	25.8	42.6	10-22	31	1.0
S.STATES - RT4996N	58.3	28.1	43.2	10-22	33	1.0
EXPERIMENTAL - MD 02-651RR	57.8	20.5	39.2	10-21	31	1.0
DYNA GRO - V49N6RR	56.5	-	-	10-22	33	1.0
USG - 74E88	56.1	-	-	10-22	29	1.0
S.STATES - RT4808N	55.0	24.7	39.8	10-22	29	1.0
USG - 74A76	54.9	28.0	41.4	10-22	31	1.0
Mean	58.9	27.4	43.2	-	30	1.0
LSD 0.20	ns	3.4	-	-	ns	ns
CV, %	7.9	11.4	-	-	-	-
MATURITY GROUP V						
USG - 7515nRS	52.4	31.6	42.0	10-24	29	1.2
USG - 75J32	46.1	30.4	38.3	10-31	29	1.5
EXPERIMENTAL - V01-1693 RR	45.6	-	-	10-31	30	1.3
S.STATES - RT5160N	45.1	30.6	37.9	10-31	33	1.8
USG - 75M16	44.8	-	-	10-31	32	1.5
EXPERIMENTAL - V01-1702 RR	41.9	-	-	11-01	31	1.5
USG - ALLEN	41.2	29.3	35.3	11-02	33	1.8
EXPERIMENTAL - MD 06-21RR	40.7	-	-	11-02	33	1.7
EXPERIMENTAL - MD 06-26RR	36.5	-	-	11-02	33	1.3
Mean	43.8	30.2	37.0	-	31	1.5
LSD 0.20	3.2	ns	-	-	ns	0.3
CV, %	6.6	17.0	-	-	-	-

*Lodging Score: 1=all plants erect, to 5=all plants down

Table 13. Performance of Roundup Ready soybean varieties double cropped at Quantico.

BRAND - ENTRY	2008					
	Seed Yield, Bu/A			Maturity Date	Height, Inches	Lodging Score*
	2008	2007	2-Year			
MATURITY GROUP III						
DYNA GRO - 37P37	45.8	-	-	10-20	22	1.0
MID ATLANTIC - MA3788RR	45.5	-	-	10-20	26	1.0
USG - 7384nRS	44.8	50.3	47.5	10-20	24	1.0
S.STATES - RT3860	44.3	39.3	41.8	10-20	27	1.2
USG - 73H77	43.9	-	-	10-20	24	1.0
TA SEEDS - TS3689R	43.7	-	-	10-20	23	1.0
MID ATLANTIC - MA3599RR	43.5	-	-	10-20	26	1.8
DYNA GRO - 32X39	43.4	-	-	10-20	24	1.0
MID ATLANTIC - MA3955RR	42.9	-	-	10-20	24	1.0
ASGROW - AG3803	42.7	48.9	45.8	10-20	23	1.0
HISOY - HS39R70	42.3	-	-	10-20	26	1.0
SEEDWAY - SG3808RR	42.2	-	-	10-23	25	1.0
S.STATES - RT3871N	42.1	45.3	43.7	10-23	27	1.2
ASGROW - AG3705	42.0	45.5	43.7	10-20	25	1.3
MID ATLANTIC - MA3377RR	40.4	-	-	10-20	24	1.2
MID ATLANTIC - MA3488RR	40.3	-	-	10-20	23	1.0
TA SEEDS - TS3989RS	40.2	-	-	10-20	27	1.3
S.STATES - RT3971N	39.6	45.6	42.6	10-20	24	1.2
MID ATLANTIC - MA3877RR	39.2	-	-	10-20	28	1.5
MID ATLANTIC - MA3400RR	39.0	-	-	10-20	22	1.0
Mean	42.4	44.8	43.6	-	25	1.1
LSD 0.20	ns	4.6	-	-	2	0.2
CV, %	7.7	9.7	-	-	-	-
MATURITY GROUP IV						
S.STATES - RT4151N	49.5	48.3	48.9	10-20	28	1.3
S.STATES - RT4440N	49.2	50.0	49.6	10-20	31	1.0
HISOY - HS42T80	48.5	-	-	10-20	27	1.0
S.STATES - RT4470N	47.7	51.6	49.7	10-20	23	1.0
USG - 74B58	47.4	-	-	10-20	25	1.0
DYNA GRO - 33A40	47.1	-	-	10-23	29	1.0
SEEDWAY - SG4008RR/STS	47.0	-	-	10-20	26	1.0
S.STATES - RT4551N	46.5	46.1	46.3	10-20	33	1.5
ASGROW - AG4303	46.3	-	-	10-23	24	1.0
S.STATES - RT4451N	45.6	49.8	47.7	10-20	30	1.0
USG - 74A45	45.0	57.3	51.2	10-20	33	1.5
DYNA GRO - V45N9RR	44.8	-	-	10-20	29	1.0
ASGROW - AG4005	44.7	-	-	10-20	29	1.0
ASGROW - AG4404	44.7	46.9	45.8	10-20	31	1.0

Table 13. (Continued) Quantico - Double Cropped, Roundup Ready Soybean Varieties

BRAND - ENTRY	Seed Yield, Bu/A			Maturity Date	2008	
	2008	2007	2-Year		Height, Inches	Lodging Score*
MATURITY GROUP IV - CONTINUED						
TA SEEDS - TS4299RS	44.2	-	-	10-20	27	1.0
USG - 74A27	43.8	54.8	49.3	10-23	27	1.0
TA SEEDS - TS4499R	43.7	-	-	10-23	27	1.0
MID ATLANTIC - MA4077RR	43.0	-	-	10-20	31	1.0
S.STATES - RT4370N	42.3	50.6	46.4	10-20	31	1.7
SCHILLINGER - 447.RC	39.3	47.5	43.4	10-20	25	1.0
Mean	45.5	49.9	47.7	-	28	1.1
LSD 0.20	2.9	4.7	-	-	2	0.1
CV, %	5.9	8.8	-	-	-	-
MATURITY GROUP IV-S						
USG - 74A88	51.8	-	-	10-23	33	1.0
EXPERIMENTAL - MD 02-651RR	51.6	40.7	46.2	10-23	31	1.0
ASGROW - AG4606	50.9	-	-	10-23	30	1.0
USG - 74A76	50.5	48.4	49.5	10-23	33	1.3
HISOY - HS476NRR	49.3	43.1	46.2	10-23	26	1.0
S.STATES - RT4777N	49.0	39.9	44.5	10-23	33	1.0
DYNA GRO - 32P48	48.9	-	-	10-23	33	1.0
DYNA GRO - V47N8RR	48.8	-	-	10-23	33	1.0
DYNA GRO - V49N6RR	48.8	-	-	10-23	35	1.3
S.STATES - RT4996N	48.1	41.8	45.0	10-23	35	1.3
S.STATES - RT4888N	48.1	-	-	10-23	32	1.0
USG - 74E88	47.5	-	-	10-23	32	1.0
S.STATES - RT4808N	46.6	43.2	44.9	10-23	33	1.0
Mean	49.2	42.1	45.7	-	32	1.1
LSD 0.20	ns	ns	-	-	1	0.1
CV, %	5.9	9.4	-	-	-	-
MATURITY GROUP V						
S.STATES - RT5160N	48.2	47.2	47.7	10-23	34	1.3
USG - 75M16	47.6	-	-	10-26	33	1.3
USG - 7515nRS	46.6	55.6	51.1	10-26	31	1.3
EXPERIMENTAL - V01-1693 RR	46.3	-	-	10-26	31	1.0
USG - 75J32	41.7	50.4	46.0	10-26	35	1.0
EXPERIMENTAL - V01-1702 RR	41.5	-	-	10-26	31	1.3
EXPERIMENTAL - MD 06-21RR	40.2	-	-	10-26	33	1.0
USG - ALLEN	39.1	54.9	47.0	10-26	35	1.0
EXPERIMENTAL - MD 06-26RR	37.2	-	-	10-26	32	1.0
Mean	43.2	50.2	46.7	-	33	1.1
LSD 0.20	3.6	5.0	-	-	ns	ns
CV, %	7.6	9.0	-	-	-	-

*Lodging Score: 1=all plants erect, to 5=all plants down

Table 14. Relative yields of Roundup Ready soybean varieties compared to the mean of all varieties in that maturity group at each location in 2008.

BRAND - ENTRY	Keedys- ville	Clarks- ville	Queenstown		Quantico DC
			FS	DC	
MATURITY GROUP III					
	Relative Yield, % of Mean				
ASGROW - AG3705	104	98	110*	96	99
ASGROW - AG3803	108	113*	110*	113*	101
DYNA GRO - 37P37	102	100	94	104	108*
DYNA GRO - 32X39	99	100	106*	95	102
HISOY - HS39R70	98	99	100	97	100
MID ATLANTIC - MA3377RR	93	85	103*	90	95
MID ATLANTIC - MA3400RR	94	79	93	97	92
MID ATLANTIC - MA3488RR	91	86	92	92	95
MID ATLANTIC - MA3599RR	94	111*	97	108	103
MID ATLANTIC - MA3788RR	95	96	97	104	107
MID ATLANTIC - MA3877RR	94	109*	105*	102	92
MID ATLANTIC - MA3955RR	99	100	106*	98	101
SEEDWAY - SG3808RR	105	101	102*	99	100
S.STATES - RT3860	104	98	100	94	104
S.STATES - RT3871N	96	106*	103*	102	99
S.STATES - RT3971N	101	101	98	100	93
TA SEEDS - TS3689R	109	105*	82	94	103
TA SEEDS - TS3989RS	110*	99	109*	104	95
USG - 73H77	97	109*	94	107	104
USG - 7384nRS	106	107*	98	104	106
Location/Group Mean Yield	58.0ns	49.8	43.5	46.9ns	42.4ns
MATURITY GROUP IV					
ASGROW - AG4005	90	90	102	108*	98
ASGROW - AG4303	118*	102	107	111*	102
ASGROW - AG4404	93	103	98	111*	98
DYNA GRO - 33A40	89	91	102	100*	104*
DYNA GRO - V45N9RR	89	107*	103	103*	98
HISOY - HS42T80	108	102	100	95	106*
MID ATLANTIC - MA4077RR	107	93	88	99*	95
SCHILLINGER - 447.RC	105	95	99	101*	86
SEEDWAY - SG4008RR/STS	104	105	95	77	103*
S.STATES - RT4151N	100	103	95	83	109*
S.STATES - RT4370N	96	104	100	97	93
S.STATES - RT4440N	103	96	107	111*	108*
S.STATES - RT4451N	101	103	100	103*	100
S.STATES - RT4470N	107	96	102	99*	105*
S.STATES - RT4551N	99	104	96	104*	102
TA SEEDS - TS4299RS	99	103	108*	95	97
TA SEEDS - TS4499R	100	99	95	98	96
USG - 74A27	100	106	105	104*	96
USG - 74A45	97	103	97	97	99
USG - 74B58	96	94	104	106*	104*
Location/Group Mean Yield	59.3	50.7ns	52.7ns	57.3	45.5

Table 14. (Continued) Relative Yields, Roundup Ready Soybean Varieties

BRAND - ENTRY	Keedys-	Clarks-	Queenstown		Quantico
	ville	ville	FS	DC	DC
MATURITY GROUP IV-S		Relative Yield, % of Mean			
ASGROW - AG4606	100	89	92	107*	103
DYNA GRO - V47N8RR	104	105	100	105	99
DYNA GRO - 32P48	100	99	101	101	99
DYNA GRO - V49N6RR	100	96	101	96	99
HISOY - HS476NRR	101	93	102	103	100
S.STATES - RT4777N	97	100	108*	101	100
S.STATES - RT4808N	101	104	103	93	95
S.STATES - RT4888N	105*	94	101	101	98
S.STATES - RT4996N	101	98	105	99	98
USG - 74A76	103	106	101	93	103
USG - 74A88	96	119*	101	106	105*
USG - 74E88	92	103	90	95	96
EXPERIMENTAL - MD 02-651RR	101	93	95	98	105
Location/Group Mean Yield	62.3ns	48.7	49.6ns	58.9ns	49.2ns
MATURITY GROUP V					
S.STATES - RT5160N	-	-	99	103	86
USG - ALLEN	-	-	99	94	112*
USG - 7515nRS	-	-	113*	120*	108*
USG - 75M16	-	-	105*	102	110*
USG - 75J32	-	-	105*	105	96
EXPERIMENTAL - MD 06-21RR	-	-	95	93	91
EXPERIMENTAL - MD 06-26RR	-	-	85	83	93
EXPERIMENTAL - V01-1693 RR	-	-	100	104	107*
EXPERIMENTAL - V01-1702 RR	-	-	98	96	96
Location/Group Mean Yield	-	-	55.6	43.8	43.2

FS=Full Season, DC=Double Crop, ns=no significant differences among entries in this group

*Yield is not significantly different from the highest yielding entry in the maturity group at this location.

Actual variety yield can be obtained by converting the relative yield to a decimal percentage and multiplying this value by the location/group mean yield. A variety with a relative yield that is consistently greater than 100 is a variety that consistently yields higher than the mean yield of all of those varieties in that maturity group.