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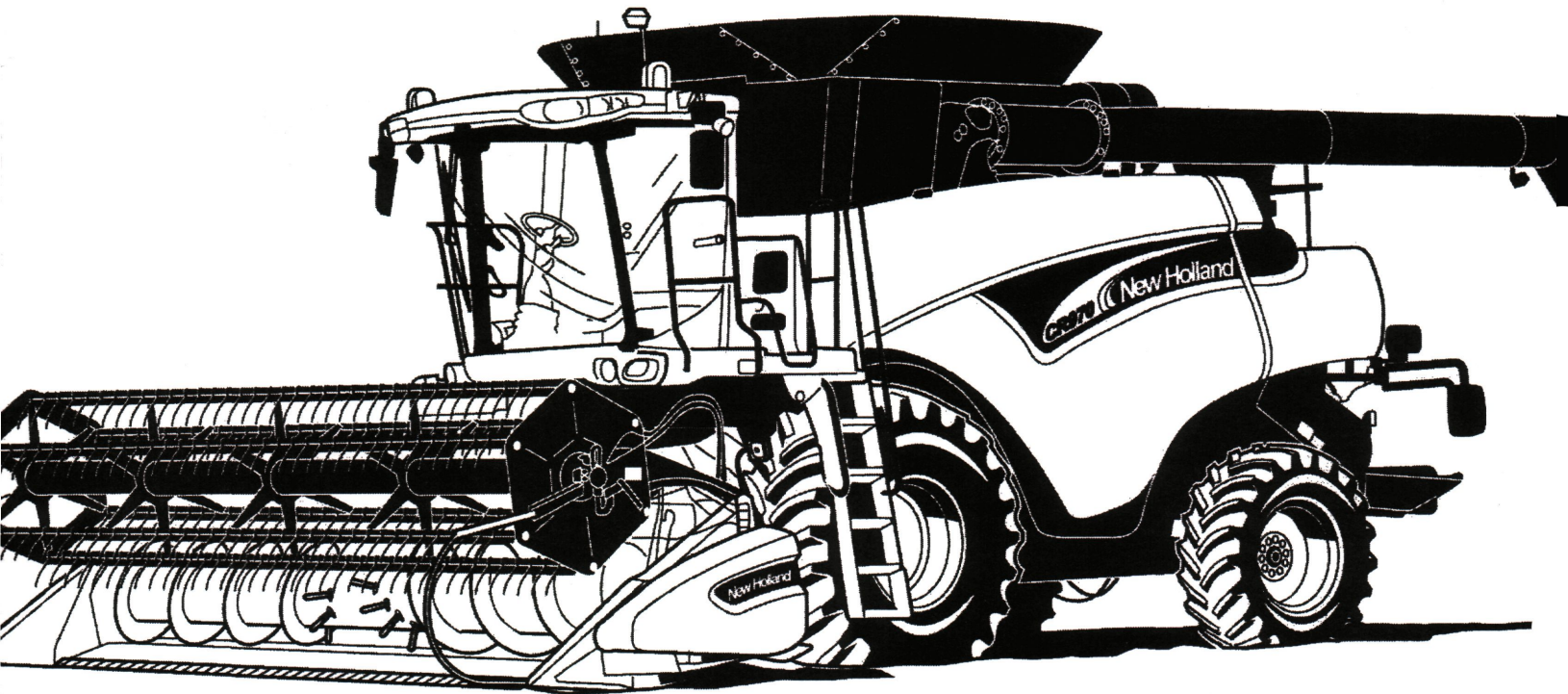
2006 Michigan Soybean Performance Report
Michigan State University
Cooperative Extension Service
D. Wang and J.F. Boyse, Department of Crop and Soil Sciences
Issued November 2006
21 pages

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2006 Michigan Soybean Performance Report



Putting Your Checkoff To Work



For the 16th consecutive year, the **2006 Michigan Soybean Performance Report** is being provided to you through the investment of your **soybean checkoff**. We hope you find the results of the performance trials valuable in selecting varieties to maximize returns on next year's crop for your operation. This data can also be accessed at www.css.msu.edu/varietytrials/

This publication is printed with soy ink and is compliments of the Michigan Soybean Promotion Committee.

2006 MICHIGAN SOYBEAN PERFORMANCE REPORT
D. WANG AND J. F. BOYSE, DEPARTMENT OF CROP AND SOIL SCIENCES

This report provides information on the performance of conventional and Roundup Ready soybean varieties in Michigan in 2006.

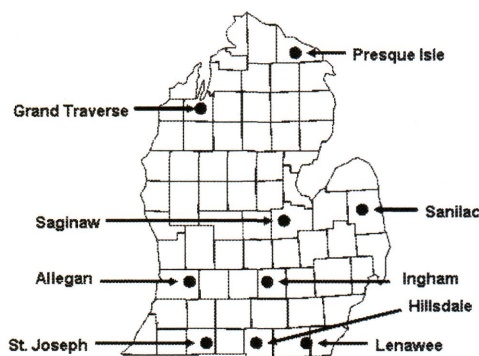
The presentation of data for the entries tested does not suggest approval or endorsement of varieties by Michigan State University.

TESTING PROCEDURES

Seven trials are reported here. The Central locations for both the conventional and the Roundup Ready trials include test sites in Saginaw, Allegan, Sanilac, and Ingham counties. The Southern locations for both the conventional and the Roundup Ready trials include test sites in Lenawee, Hillsdale, St. Joseph (Irrigated) and Ingham counties. Northern Roundup Ready trials include test sites in Grand Traverse and Presque Isle counties. Twenty-six seed companies entered a total of 203 commercial varieties, and the Michigan Crop Improvement Association entered 2 public varieties. The cooperators, planting dates, harvest dates, and other site details for the nine locations are listed below.

Seed was planted in 6-row plots, 20 feet long with 15-inch row spacing, at a depth of 1.5-inches. The planting rate was 180,000 seeds/acre. At each location, varieties were replicated four times in a lattice design. The plots were trimmed to a length of 14 feet and the center four rows were harvested. Experimental design, data management, and data analysis were conducted with AGROBASE Generation II, (Agronomix Software, Inc., Winnipeg, Canada).

2006 Test Site County Locations



TEST SITE INFORMATION

Grand Traverse County

Nearest city: Grawn
Cooperator: Brent Wagner
Planting date: 5-24-06
Harvest date: 10-10-06
Previous crop: Corn
Soil type: Karlin Sandy Loam
Fertilizer: 160#/A. 19-19-19
Herbicides: 32 oz./A Roundup Ultra

Presque Isle County

Nearest city: Rogers City
Cooperator: Erhardt Tulgestke
Planting date: 5-24 -06
Harvest date: 10-10-06
Soil Type: Bergland Clay Loam
Previous crop: Corn
Fertilizer: 175# /A 0-0-60
Herbicides: 32 oz./A Roundup Ultra

Lenawee County

Nearest city: Britton
Cooperator: David & Jason Woods
Planting date: 5-9-06
Harvest date: 10-26-06
Previous crop: Corn
Soil type: Brookston Clay Loam
Fertilizer: None
Herbicides: Conventional Trials – Preemerge .6 oz.
FirstRate 84DG, 1.33 pt/A Dual II Magnum
Roundup Ready Trials - 32 oz./A Roundup Ultra

Hillsdale County

Nearest city: Reading
Cooperator: Robert Lennard
Planting date: 5-8-06
Harvest date: 10-9-06
Previous crop: Wheat
Soil type: Blount Silt Loam
Fertilizer: 150# /A 0-0-60
Herbicides: Conventional Trials – Preemerge .6 oz.
FirstRate 84DG, 1.33 pt/A Dual II Magnum
Roundup Ready Trials - 32 oz./A Roundup Ultra

St. Joseph County - Irrigated

Nearest city: Mendon
Cooperator: Roger and Anne Gentz
Planting date: 5-6-06
Harvest date: 10-31-06
Previous crop: Seed Corn
Soil type: Elston Sandy Loam
Fertilizer: 135# /A 0-0-60; 40#/A 21-0-0-24
Herbicide: Conventional Trials – Preemerge 1.5#/A Lorox
50% DF, 1.33 pt/A Dual II Magnum
Roundup Ready Trials - 32 oz./A Roundup Ultra

Ingham County

Nearest city: Dansville
Cooperator: Cremer Farms
Planting date: 5-4-06
Harvest date: 10-25-06
Previous crop: Corn
Soil type: Capac Loam
Fertilizer: 193#/A 9-23-30, 2% Mn
Herbicides: Conventional Trials – Preemerge .6 oz.
FirstRate 84DG, 1.33 pt/A Dual II Magnum,
Roundup Ready Trials - 32 oz./A Roundup Ultra

Allegan County

Nearest city: Hopkins
Cooperator: Paul Puschel
Planting date: 5-25-06
Harvest date: 10-30-06
Previous crop: Corn
Soil type: Sebewa Loam
Fertilizer: 250# /A 0-0-60
Herbicides: Conventional Trials – Preemerge .6oz
FirstRate 84DG, 1.33 pt /A Dual II Magnum
Roundup Ready Trials - 32 oz./A Roundup Ultra

Saginaw County

Nearest city: Saginaw
Cooperator: Tom Hoff
Planting date: 5-6-06
Harvest date: 10-15-06
Previous crop: Wheat
Soil type: Parkhill - Kilmanagh Loam
Fertilizer: None
Herbicides: Conventional Trials – Preemerge .6oz.
FirstRate 84DG.
Roundup Ready Trials - 32 oz./A Roundup Ultra

Sanilac County

Nearest city: Sandusky
Cooperator: Gerstenberger Farms, Inc.
Planting date: 5-17-06
Harvest date: 10-16-06
Previous crop: Corn
Soil type: Parkhill Clay Loam
Fertilizer: 80# /A 0-0-60
Herbicides: Conventional Trials - Preemerge 1.5#/A
Lorox 50% DF, 1.33 pt/A Dual II Magnum
Roundup Ready Trials - 32 oz./A Roundup Ultra

GROWING CONDITIONS

Weather conditions statewide were extremely favorable with record yields in some areas.

- **Grand Traverse** and **Presque Isle** Counties sites were on variable soil types and had little rainfall during flowering. This resulted in a C.V. (coefficient of variation) too high for a precise trial.
- **St. Joseph** County site had increased disease pressure resulting in a higher C.V. (coefficient of variation), making the trial less precise.

USING THE DATA

Results are presented in Tables 1 through 7.

Yield: Yield is expressed as bushels per acre at 13% moisture and is reported as single and across site means for 2006. Two and three year means are also presented when applicable.

Maturity Date (MAT): The reported values (month-date) represent the means (rounded to the nearest day) of all

reps at all sites. Entries were considered mature when 95% of the pods had attained their final color and would crack under finger pressure. Additional field drying was required before the plants were ready to harvest.

Height: Plant height, reported in inches, was measured at maturity from the soil surface to the tip of the main stem. The reported values are means of all reps at all sites.

Lodging: Lodging scores reflect the erectness of the plants before harvest. The reported values are means of all reps at all sites. Ratings are based on the following scale:

- 1= Almost all plants erect.
- 2= All plants leaning slightly, or fewer than 25% of the plants down.
- 3= All plants leaning moderately (45%), or 25% to 50% of the plants down.
- 4= All plants leaning considerably, or 50% to 80% of the plants down.
- 5= Almost all plants down.

Protein and Oil Content: Protein and oil content of the seed was determined using near-infrared reflectance and is reported on a dry matter basis. The analysis was done on seed from a single replicate from the Ingham and Saginaw locations for the central trial and the Ingham and Lenawee locations for the southern trial.

Phytophthora Resistance: Information on the presence of phytophthora resistance genes was provided by the organizations entering varieties. Varieties denoted with:

- 1a are resistant to phytophthora Races 1, 2, 10, 11, 13-20, 24, 26 & 27.
- 1b are resistant to Races 1, 3-9, 13, 15, 18, 21, & 22.
- 1c are resistant to Races 1-3, 6-11, 13-15, 17, 21, 23, 24 & 26.
- 1k are resistant to Races 1-11, 13-15, 17, 18, 20-24 & 26.
- 3 are resistant to Races 1-5, 8 and 9.
- 6 are resistant to Races 1-4, 10, 12, 14-16, 18-21 & 25.
- 7 are resistant to Races 12, 16, 18 & 19.

Soybean Cyst Nematode Resistance (SCN): Seed Companies that screen varieties for SCN resistance have indicated if the variety has known susceptibility or resistance

- R – Resistant
- MR – Moderately Resistant
- S – Susceptible
- MS – Moderately Susceptible

These notations followed by a number indicate the identified cyst nematode race

SELECTING A VARIETY

LSD (least significant difference, found at the bottom of each data column) values are useful when comparing two varieties in the same table. If the difference between two

varieties is less than the LSD value, this difference is probably due to chance or minor environmental differences. However, if the difference between two varieties is greater than the LSD, there is a 95% or greater probability that the difference in performance is due to the greater yield potential of one variety. Valid comparisons can only be made between averages in the same column. The C.V. (coefficient of variation, found at the bottom of each data column) is indicative of the trial precision. Lower C.V. values indicate more precise trials.

The primary consideration in selecting a variety is yield. When evaluating a variety, consider yield performance over locations and across several years, if available. Considerations other than yield are also important in selecting a variety. It is especially important to select a variety that will mature before the first frost in the fall.

The degree of lodging varies among varieties. Lodging ratings should be used to evaluate potential harvest losses. Growers who have experienced lodging in the past and have had harvest problems may want to select a more lodging resistant variety. Alternatively, a variety susceptible to lodging may be planted at a slightly lower population to increase standability.

Growers should note seed size when selecting planting rates. Planting rates should be based on number of seeds per acre and not on pounds per acre.

It often benefits growers to select a few good varieties for planting each year. Yield determination and careful field evaluation during the growing season will add to the grower's knowledge of variety performance and allow for better selection.

SEED TREATMENT

Treated soybean seed submitted for Michigan State University's Soybean Performance Trials are noted by abbreviation in the 'TMT' column. Questions concerning treatments should be directed to the seed company. Contact information can be found in the 'Directory of Companies'.

Treatment Code:

- AM = Apron Maxx (Maxim)
- AM-C = Apron Maxx & Cruiser
- EN = Encase
- SG = Soy Guard
- SuG = SureGro

SPECIALTY SOYBEAN VARIETIES

Eleven special-use varieties were tested in this year's performance trials. This information will help soybean growers compare the potential profitability of special-use varieties to that of conventional varieties. DF Seeds DF222, DF222 Super2, Dairyland DSR-218, Hyland's Sherwin, Hyland's Sinclair and Vinton 81 are food-grade varieties. Zeeland Farm Services ZFS 211 LS, ZFS 251 LS and ZFS291 LS are low-saturated fat soybean varieties that have been grown under contract for oil production. Zeeland Farm Services ZFS 252 LL and ZFS 261 LL are low-linolenic acid soybeans.

Be sure to contact your buyers to determine which special-use varieties they will accept before signing contracts or ordering seed.

Are you losing yield to diseases and insects?

Check out www.planthealth.info for all your soybean related disease and insect challenges.

- Look at yield-lowering diseases and pests
- Receive current, science-based, management options
- www.planthealth.info is linked to all university Web sites across the Midwest, including M.S.U., centralizing all known information about a disease.

DIRECTORY OF COMPANIES

<u>BRAND</u>	<u>COMPANY NAME AND ADDRESS</u>	<u>BRAND</u>	<u>COMPANY NAME AND ADDRESS</u>
ASGROW	Monsanto 800 N. Lindbergh Blvd., St. Louis, MO 63167 www.monsanto.com , www.asgrow.com	HYLAND	Hyland Seeds 2 Hyland Dr., Blenheim, Ontario Canada N0P1A0 www.hylandseeds.com
BAYSIDE	Bayside Seeds, LLC 259 Bowker Rd., Munger, MI 48747 www.baysideseeds.com	LATHAM	Latham Seed Company 131 180 th St., Alexander, IA 50420 www.lathamseeds.com
BECK	Beck's Hybrids 6767 E. 276th Street, Atlanta, IN 46031 www.beckshybrids.com	LEGACY	Legacy Brand Hybrids Inc. 11384 Laberde, Deerfield, MI 49238 517-206-3735
BIO GENE	Bio Gene Seeds 5477 Tri-County Hwy., Sardinia, OH 45171 www.biogeneseeds.com	MIDWEST	Midwest Seed Genetics P.O. Box 518, Carroll, IA 51401 www.midwestseed.com
CROW'S	Crow's Hybrid Corn Co. 612 E. Dunlap, Kentland, IN 47951 www.crowshybrid.com	NK BRAND	Syngenta Seeds, Inc. 7500 Olson Memorial Highway Golden Valley, MN 55427 www.nk.com
D.F. SEEDS	D.F. Seeds, Inc. P.O. Box 159, Dansville, MI 48819 517-623-6161	PIONEER	Pioneer Hi-Bred International, Inc. 210 Westfield Drive, Archbold, OH 43502 www.pioneer.com/usa/mideast
DAIRYLAND	Dairyland Seed Co., Inc. 3570 Hwy. H, West Bend, WI 53095 www.dairylandseed.com	PUBLIC	Michigan Crop Improvement Assn. P.O. Box 21008, Lansing, MI 48909 www.michcrop.com
DEKALB	Monsanto 800 N. Lindbergh Blvd. St. Louis, MO 63167 www.monsanto.com , www.dekalb.com	RENK	Renk Seed 6809 Wilburn Rd., Sun Prairie, WI 53590 www.renkseed.com
DYNA-GRO	UAP Distribution, Inc. 13320 Seymour Rd., Montrose, MI 48457 www.uap.com	RUPP	Rupp Seed, Inc. 17919 Co. Rd. B, Wauseon, OH 43567 www.ruppseeds.com
GARST	Garst Seed Company 2369-330th St., Slater, IA 50244 www.garstseedco.com	STINE	Stine Seed Company 2225 Laredo Trail, Adel, IA 50003 www.stinseed.com
GREAT LAKES	Great Lakes Hybrids 9915 W. M-21, Ovid, MI 48866 www.greatlakeshybrids.com	TRELAY	Trelay Seed Co. 11623 Hwy 80, Livingston, WI 53554 www.trelay.com
GUTWEIN	Golden Harvest Seeds, Inc. P.O. Box 248, Pekin, IL 61555 www.goldenharvestseeds.com	WELLMAN	Wellman Seeds, Inc. 23778 Delphos Jennings Rd. Delphos, OH 45833 www.wellmanseeds.com
HELENA	Helena Chemical Co. 11711 N. Pennsylvania St., Suite 270 Carmel, IN 46032 www.helenaconnects.com	WOLF RIVER	Wolf River Valley Seeds N2976 Hwy M, White Lake, WI 54491 www.wolfrivervalleyseeds.com
		ZEELAND	Zeeland Farm Services, Inc. 2468 84 th Avenue, Zeeland, MI 49464 www.zfsinc.com

TABLE 1. 2006 MICHIGAN CENTRAL CONVENTIONAL SOYBEAN VARIETY TRIAL REPORT

YIELD (BU/AC)																
2006											2006 AVERAGE					
BRAND	VARIETY	Maturity Group	PHYTO RES	SCN	2006 05-06 04-06			ALLEGAN	INGHAM	SAGINAW	SANILAC	MAT	HEIGHT	LODGING	PROTEIN	OIL
					AVG	AVG	AVG									
Bayside	222N	2.2		R	60.8	61.8	58.5	64.4	58.6	21-Sep	41	2.4	40.9	21.3		
D.F. Seeds	DF 222 Super2	2.2	AM-C		62.5	70.7	64.8	49.9	64.8	24-Sep	40	1.6	42.3	21.1		
D.F. Seeds	DF 222 Fd Grd	2.2	AM-C		60.5	55.9	55.4	47.8	62.7	20-Sep	42	1.6	41.5	21.6		
D.F. Seeds	DF 230N	2.3	AM-C	R3-14	62.0	73.1	67.8	51.9	55.3	26-Sep	41	2.3	42.3	20.0		
Dairyland	DSR-218	2.1	AM-C	S	60.8	71.6	61.3	48.9	61.7	20-Sep	41	1.4	41.4	21.6		
Dairyland	DSR-22/STS-UL Brand	2.2	AM-C		56.9	61.6	57.9	45.0	63.3	21-Sep	38	2.1	42.1	20.2		
Garst	2491	2.4	AM-C		59.4	67.5	60.1	49.7	60.3	21-Sep	40	2.1	41.7	20.2		
Hyland	Sherwin	1.9	AM	R	65.1	61.3	61.8	61.7	68.6	18-Sep	38	2.3	40.8	21.7		
Hyland	Sinclair	2.1	AM	R	59.4	55.5	63.6	55.1	61.2	22-Sep	43	2.4	43.0	20.5		
MCIA	2323	2.3	AM-C		60.7	68.4	64.0	46.9	63.6	22-Sep	36	2.0	41.2	21.1		
MSU	E00003**	2.8			60.9	63.2	67.3	49.8	63.3	27-Sep	45	2.9	41.2	21.3		
MSU	E01260**	2.5			60.1	52.9	62.7	48.0	62.5	23-Sep	39	2.4	40.9	21.3		
MSU	E98076**	2.6			58.6	52.4	60.6	49.0	56.1	25-Sep	42	2.4	38.3	21.6		
Public	Vinton 81	2.1	AM-C		43.4	40.6	41.9	34.0	48.0	20-Sep	43	3.3	45.5	19.6		
Zeeland	ZFS Sel. 211 LS	2.1	AM-C		53.4	47.0	51.7	44.6	57.1	14-Sep	36	1.7	41.9	20.3		
Zeeland	ZFS Sel. 251 LS	2.5	AM-C		56.5	62.9	57.9	48.8	56.3	19-Sep	36	1.8	41.3	20.5		
Zeeland	ZFS Sel. 252 LL	2.5	AM-C		59.9	65.7	61.6	49.7	62.5	20-Sep	38	2.1	40.8	22.0		
Zeeland	ZFS Sel. 261 LL	2.6	AM-C		57.0	62.5	56.1	48.7	60.9	22-Sep	38	2.2	42.9	20.2		
Zeeland	ZFS Sel. 291 LS	2.9	AM-C		57.5	51.8	60.7	45.2	58.0	26-Sep	42	2.3	40.5	21.1		
GRAND MEAN					58.7	64.8	60.4	49.4	60.2	21-Sep	40	2.2				
Max. Mean					65.1	73.1	67.8	64.4	68.6	27-Sep	45	3.3				
Min. Mean					43.4	41.9	49.7	34.0	48.0	13-Sep	36	1.4				
LSD (0.05)					2.7	5.4	6.7	4.5	4.9							
CV (%)					7.9	7.1	9.4	7.8	6.9							

*Seed Treatment: See 'Seed Treatment' paragraph (under 'Using the Data') for product code

**Michigan State University experimental variety

TABLE 2. 2006 MICHIGAN SOUTH CONVENTIONAL SOYBEAN VARIETY TRIAL REPORT

BRAND	VARIETY	Maturity Group	PHYTO TMT* RES SCN	YIELD (BU/AC)								2006 AVERAGE				
				2006			2006					MAT	HEIGHT	LODGING	PROTEIN	OIL
				2006	05-06	04-06	LENAWEE	HILLSDALE	INGHAM	ST.JOSEPH						
D.F. Seeds	DF 3018LL	3.0	AM-C	64.1			82.2	54.7	67.0	52.6	29-Sep	42	3.2	41.6	21.7	
Dairyland	DSR-22/STS-UL Brand	2.2	AM-C	57.7			76.2	53.3	57.2	44.0	17-Sep	37	2.3	42.5	20.5	
Garst	D308	3.0	AM-C	69.0			83.6	56.6	65.8	69.9	23-Sep	38	1.8	40.9	21.4	
MCIA	2323	2.3	AM-C	61.9			74.3	55.0	60.3	58.2	19-Sep	35	1.7	41.7	10.4	
MSU	E00003**	2.8		61.3	64.7	65.4	72.0	55.1	63.2	55.1	23-Sep	43	2.8	41.2	21.8	
MSU	E01260**	2.5		60.0	62.0		72.8	57.8	57.7	51.7	20-Sep	37	1.9	41.1	21.9	
MSU	E98076**	2.6		57.8	63.6	62.5	69.0	55.3	57.6	49.2	21-Sep	39	1.8	39.7	21.4	
Public	Sandusky	2.6	AM-C	59.6	62.6	61.0	73.2	51.6	62.7	50.8	21-Sep	40	1.9	41.1	21.6	
Public	Vinton 81	2.1	AM-C	46.1			57.1	41.4	46.5	39.2	17-Sep	41	2.9	44.9	20.2	
Zeeland	ZFS Sel. 211 LS	2.1	AM-C	55.4			63.7	50.1	53.8	53.9	14-Sep	35	1.6	42.4	20.6	
Zeeland	ZFS Sel. 251 LS	2.5	AM-C	62.1			70.7	56.2	58.7	62.7	16-Sep	34	1.8	41.6	21.0	
Zeeland	ZFS Sel. 252 LL	2.5	AM-C	60.7			72.3	53.8	59.1	57.5	18-Sep	35	1.8	40.7	22.5	
Zeeland	ZFS Sel. 261 LL	2.6	AM-C	55.3			72.1	49.1	52.1	47.8	17-Sep	35	2.0	42.3	20.9	
Zeeland	ZFS Sel. 291 LS	2.9	AM-C	60.2	61.9	61.9	71.6	53.9	58.2	56.9	21-Sep	39	1.8	40.7	21.6	
GRAND MEAN				59.3			72.2	53.1	58.6	53.5	19-Sep	38	2.1			
Max. Mean				69.0			83.6	57.8	67.0	69.9	29-Sep	43	3.2			
Min. Mean				46.1			57.1	41.4	46.5	39.2	14-Sep	34	1.6			
LSD (0.05)				2.9			6.2	5.1	5.8	6.4						
CV (%)				8.3			7.2	8.0	8.4	10.0						

*Seed Treatment: See 'Seed Treatment' paragraph (under 'Using the Data') for product code

**Michigan State University experimental variety

TABLE 3. 2006 MICHIGAN CENTRAL ROUND-UP READY / Early Maturity, Groups 1.5 - 2.2, SOYBEAN VARIETY TRIAL REPORT
YIELD (BU/AC)

BRAND	VARIETY	Maturity Group	PHYTO RES	SCN	2006 05-06 04-06			2006			2006 AVERAGE				
					AVG	AVG	AVG	ALLEGAN	INGHAM	SAGINAW	SANILAC	MAT	HEIGHT	LODGING	PROTEIN
Asgrow	AG2002(RR)	2.0	AM-C	1c	MR	63.9	72.5	55.6	63.1	64.5	20-Sep	41	1.9	41.5	21.5
Asgrow	AG2106(RR)	2.1	AM-C	1k	S	59.1	67.9	53.3	51.9	63.5	14-Sep	36	1.3	40.8	21.0
Asgrow	AG2204(RR)	2.2	AM-C	1k	S	62.3	70.8	52.9	58.8	66.7	17-Sep	37	1.3	42.5	21.3
Bayside	202NRR	2.0	AM-C	1c	R	59.2	64.0	57.1	58.6	57.1	17-Sep	40	1.7	42.6	21.9
Bayside	215RR	2.1	AM-C	1k		61.9	72.8	50.3	57.4	67.2	17-Sep	34	1.4	41.1	21.5
D.F. Seeds	DF 8192RR	1.9	AM-C	1k		62.3	70.5	57.7	60.9	60.1	19-Sep	39	1.5	42.0	21.2
D.F. Seeds	DF 8205RR	2.0	AM-C	1k	R	60.3	70.6	57.4	54.3	58.8	20-Sep	39	1.7	42.5	20.7
D.F. Seeds	DF 8213XNRR	2.1	AM-C	1k	R3-14	65.4	70.6	59.8	69.1	62.0	20-Sep	36	1.4	43.2	20.8
Dairyland	DSR - 1701/RRSTS	1.7	AM-C	1k		61.6	70.8	50.4	59.5	65.7	19-Sep	41	1.7	41.5	21.7
Dairyland	DSR - 199/RRSTS	1.9	AM-C	1k	S	60.8	68.3	60.6	54.3	60.1	19-Sep	39	1.4	42.0	21.2
Dairyland	DSR - 2000/RRSTS	2.0	AM-C	1k	R3	62.8	68.8	56.4	64.4	61.7	15-Sep	41	2.1	42.3	21.0
Dairyland	DSR - 2200/RR	2.2	AM-C	1k		67.2	74.8	64.8	60.1	69.0	24-Sep	41	2.0	41.8	20.9
Dairyland	DSR - 221/RR	2.2	AM-C	1k	S	60.5	67.7	51.4	58.3	64.4	18-Sep	38	1.6	42.1	21.2
Dekalb	DKB18-51(RR)	1.8	AM-C	1k	S	59.6	67.2	50.4	53.2	67.6	11-Sep	36	1.4	41.9	20.8
Dekalb	DKB22-52(RR)	2.2	AM-C	S	S	63.7	72.2	57.4	55.6	69.8	15-Sep	35	1.4	40.7	21.3
Dyna-Gro	31D20(RR)	2.0	AM-C	1k		64.0	73.7	55.0	64.4	62.8	17-Sep	41	1.8	41.5	21.6
Dyna-Gro	33X19(RR)	1.9	AM-C	1k	R	60.2	62.4	55.5	61.6	61.3	15-Sep	35	1.4	40.8	21.9
Dyna-Gro	39P22(RR)	2.2	AM-C	1k		63.9	72.5	55.9	56.7	70.4	17-Sep	35	1.4	40.6	21.7
Dyna-Gro	DG-3190RR	1.9	AM-C	1k		62.7	69.6	58.6	52.2	70.4	19-Sep	37	1.4	41.5	20.9
Great Lakes	GL1701RR	1.7	AM-C	1k	S	58.2	69.2	45.5	50.0	68.1	11-Sep	34	1.3	41.9	20.9
Great Lakes	GL1907RR	1.9	AM-C	1k	MR	60.6	68.8	57.0	57.0	59.7	20-Sep	38	1.6	43.2	20.6
Great Lakes	GL2009RR	2.0	AM-C	1k	R	61.2	63.6	53.7	65.6	62.1	14-Sep	37	1.1	41.2	22.1
Gutwein	H-1961RR	1.9	AM	1k	S	61.3	65.2	55.2	55.1	69.9	18-Sep	36	1.2	41.0	21.2
Helena	2074(RR)	2.0	AM-C	1k	R	62.3	67.6	53.5	67.9	60.4	14-Sep	37	1.3	40.7	21.9
Hyland	RR Renwick	2.2	AM	1k	S	56.1	58.0	57.5	48.1	60.7	22-Sep	41	2.1	42.3	20.8
Hyland	RR Respond	1.8	AM	1c	R	58.9	69.3	53.8	58.2	54.5	16-Sep	39	1.7	42.8	21.9
Hyland	RR Rock	2.2	AM	1k		63.9	75.7	57.9	55.4	66.8	16-Sep	36	1.4	41.0	21.8
Hyland	RR Rodney	2.1	AM	1k	S	59.3	68.0	55.6	57.2	56.4	17-Sep	39	1.4	42.1	20.9
Latham	E2253R	2.2	AM	1a		60.9	70.3	55.3	58.8	59.2	21-Sep	40	2.0	42.1	20.9
Midwest	GR2031(RR)	2.0	AM	1k	R	61.0	63.1	52.0	67.6	61.4	13-Sep	37	1.1	40.6	21.8
NK Brand	S17-P9(RR)	1.7	AM-C	1c		57.4	59.5	51.0	55.3	63.7	10-Sep	36	1.8	40.4	20.9
NK Brand	S19-L7(RR)	1.9	AM-C	1k	R3,MR14	59.3	64.7	48.0	61.9	62.6	12-Sep	36	1.2	42.2	21.0
NK Brand	S19-R5(RR)	1.9	AM-C	1a		59.5	66.5	53.3	57.2	61.1	11-Sep	37	1.3	42.3	20.7
NK Brand	S21-N6(RR)	2.1	AM-C	1k		64.7	74.9	54.4	59.8	69.5	16-Sep	35	1.5	40.4	21.9
Pioneer	92M02(RR)	2.0	AM-C	1k	S	61.5	64.2	56.2	60.5	65.2	15-Sep	36	1.2	41.5	21.3
Renk	RS156RR	1.5	AM	1k		55.8	60.9	51.1	49.3	61.9	8-Sep	33	1.1	42.0	21.2
Renk	RS165RR	1.6	AM	1k		56.4	59.4	47.3	55.1	63.6	10-Sep	32	1.0	42.8	20.7
Renk	RS185RR	1.8	AM	1k		64.6	70.4	60.0	60.0	68.0	16-Sep	36	1.4	40.7	21.7
Renk	RS204NRR	2.0	AM	1k	R	64.9	64.7	64.9	66.4	63.4	16-Sep	38	1.3	40.9	22.1
Renk	RS223RR	2.2	AM	1k		62.7	67.0	60.3	57.1	66.4	17-Sep	35	1.4	40.7	21.6

TABLE 3. 2006 MICHIGAN CENTRAL ROUND-UP READY / Early Maturity, Groups 1.5 - 2.2, SOYBEAN VARIETY TRIAL REPORT

BRAND	VARIETY	Maturity Group	PHYTO TMT* RES	SCN	YIELD (BU/AC)					2006 AVERAGE						
					2006	05-06	04-06	2006				MAT	HEIGHT	LODGING	PROTEIN	OIL
					AVG	AVG	AVG	ALLEGAN	INGHAM	SAGINAW	SANILAC					
Rupp	RS 4170RR	1.7	AM-C	1k	60.1			68.3	52.1	53.9	66.1	12-Sep	37	1.4	41.4	21.1
Rupp	RS 4203RR	2.0	AM-C	1k	59.2			69.3	54.4	55.1	58.0	21-Sep	40	1.6	42.7	20.8
Stine	1918-4(RR)	2.0		S	60.0			68.4	54.3	51.9	65.4	16-Sep	36	1.3	41.3	21.4
Stine	2032-4(RR)	2.0		1k	62.2			66.4	52.8	65.3	64.2	14-Sep	37	1.1	41.3	21.9
Trelay	2155RR	1.5	SG	1k	53.9			59.4	46.0	50.7	59.7	9-Sep	32	1.0	42.0	21.2
Trelay	2164RR	1.6	SG	1k	57.0			71.4	46.3	44.2	66.3	11-Sep	33	1.3	41.8	20.8
Trelay	2222RR	2.2	SG	1k	60.8			65.4	54.5	55.3	67.9	16-Sep	35	1.4	40.8	21.4
GRAND MEAN					61.0			67.8	54.5	57.7	63.7	15-Sep	37	1.4		
Max. Mean					67.2			75.7	64.9	69.1	70.4	24-Sep	41	2.1		
Min. Mean					53.9			58.0	45.5	44.2	54.5	7-Sep	32	1.0		
LSD (0.05)					2.7			6.4	6.7	4.6	3.6					
CV (%)					7.7			8.0	10.5	6.8	4.8					

*Seed Treatment: See 'Seed Treatment' paragraph (under 'Using the Data') for product code

TABLE 4. 2006 MICHIGAN CENTRAL ZONE ROUND-UP READY / Late Maturity, Groups 2.3 - 3.2, SOYBEAN VARIETY TRIAL REPORT

BRAND	VARIETY	Maturity Group	PHYTO TMT*	RES	SCN	YIELD (BU/AC)							2006 AVERAGE				
						2006			2006				MAT	HEIGHT	LODGING	PROTEIN	OIL
						2006	05-06	04-06	ALLEGAN	INGHAM	SAGINAW	SANILAC					
Asgrow	AG2403(RR)	2.4	AM-C	1k	S	65.2	60.0	57.0	71.7	65.8	62.6	60.8	20-Sep	35	1.1	40.9	21.7
Asgrow	AG2406(RR)	2.4	AM-C		MR3	67.4			69.8	69.3	67.7	62.7	23-Sep	42	1.9	41.7	21.8
Asgrow	AG2603(RR)	2.6	AM-C	1c	MR3	65.7			65.3	65.2	65.8	66.4	25-Sep	43	2.3	41.2	21.1
Asgrow	AG2605(RR)	2.6	AM-C	1k	S	61.1			67.1	60.5	59.9	57.1	22-Sep	37	1.6	41.5	21.3
Asgrow	AG2802(RR)	2.8	AM-C	1k	R3	66.9			72.7	66.8	65.4	62.7	1-Oct	47	2.9	41.0	21.4
Bayside	250RR	2.5				65.4			72.7	63.1	59.2	66.7	27-Sep	39	1.7	42.7	20.8
Bayside	260RR	2.6		1k		61.4	55.8	55.3	66.1	62.5	54.2	62.8	23-Sep	41	2.3	41.5	20.9
Crow's	C2718R	2.7		1k	R	64.9			61.7	67.6	68.0	62.6	2-Oct	46	3.0	39.5	21.4
D.F. Seeds	DF 8242RR	2.4	AM-C	1k	MR	66.9	60.1	58.8	72.2	64.2	61.8	69.5	23-Sep	37	1.4	42.4	20.9
D.F. Seeds	DF 8243XNRR	2.4	AM-C		R3-14	66.7			72.4	62.2	66.6	65.6	25-Sep	42	2.3	40.8	21.5
D.F. Seeds	DF 8251RR	2.5	AM-C	1k		62.7	58.6	58.2	65.2	62.1	56.0	67.5	22-Sep	42	2.4	42.0	21.1
D.F. Seeds	DF 8256NRR	2.5	AM-C		R3-14	67.1			69.1	68.3	68.7	62.5	25-Sep	39	1.9	41.8	21.4
Dekalb	DKB24-52(RR)	2.4	AM-C		MR	65.7			67.1	63.7	66.1	65.8	24-Sep	42	2.3	40.9	21.1
Dekalb	DKB26-53(RR)	2.6	AM-C	1c	S	68.5	63.4		69.8	73.0	61.8	69.6	29-Sep	44	3.1	42.5	20.7
Dekalb	DKB27-52(RR)	2.7	AM-C	1c	R3	70.7			70.6	72.3	71.9	68.0	25-Sep	40	1.8	40.3	21.3
Dekalb	DKB27-53(RR)	2.7	AM-C	1c	MR3	69.0			76.1	65.6	67.2	67.3	1-Oct	45	3.1	39.5	21.3
Dekalb	DKB28-52(RR)	2.8	AM-C	1c	S	65.8	59.1	58.7	69.2	64.3	62.6	67.2	29-Sep	42	2.8	40.6	20.9
Dyna-Gro	31T31(RR)	3.1	AM-C	1c	R3	67.0			66.0	67.6	72.5	61.8	9-Oct	40	2.9	40.9	21.1
Dyna-Gro	33D27RR	2.7	AM-C			65.7			65.0	68.4	67.9	61.5	2-Oct	46	3.1	39.8	21.4
Dyna-Gro	34N30(RR)	3.0	AM-C	1c		68.3			72.4	63.4	71.8	65.7	3-Oct	40	2.3	41.9	20.2
Dyna-Gro	35P29(RR)	2.9	AM-C			67.9			67.8	69.0	74.4	60.6	4-Oct	41	3.0	40.6	21.1
Dyna-Gro	36C28(RR)	2.8	AM-C			69.0			65.1	74.3	69.2	67.3	1-Oct	42	2.4	39.6	21.5
Dyna-Gro	36D24(RR)	2.4	AM-C		R	66.7			72.8	66.0	65.8	62.4	26-Sep	42	2.2	40.7	21.3
Dyna-Gro	37B28(RR)	2.8	AM-C	1c		67.1			73.4	68.1	60.2	66.9	29-Sep	42	2.4	40.6	20.8
Dyna-Gro	37T26(RR)	2.6	AM-C	1c		66.6	64.1		70.4	65.9	60.3	69.7	29-Sep	43	2.8	41.7	20.6
Great Lakes	GL2302RR	2.3	AM-C	1k	MR	66.5	59.9	58.6	71.2	63.9	63.8	67.1	23-Sep	37	1.5	42.3	20.9
Great Lakes	GL2439RR	2.4	AM-C		R	67.9			70.7	67.3	69.0	64.7	25-Sep	43	2.3	41.2	21.2
Great Lakes	GL2506RR	2.5	AM-C	1k	S	67.8			70.5	69.0	62.2	69.5	27-Sep	40	2.3	41.3	20.6
Gutwein	H-2448RR	2.4	AM		MR3	69.0			76.2	67.4	64.9	67.5	22-Sep	37	1.4	41.6	21.1
Hyland	RR Roll	2.6	AM		R	65.9			67.2	66.6	66.0	63.7	24-Sep	42	2.2	41.3	21.3
Hyland	T03144RR	2.4	AM		R	60.5			59.0	65.2	57.4	60.4	27-Sep	41	3.1	42.4	21.4
Latham	E2337R	2.3				64.8			68.5	69.0	57.4	64.4	24-Sep	42	1.7	40.7	21.5
Latham	E2810R	2.8				64.4			63.2	70.2	60.9	63.5	29-Sep	42	1.9	41.4	20.8
Latham	E2976R	2.9				67.5			73.0	67.2	61.9	67.8	3-Oct	43	2.9	41.4	20.8
Latham	L2468R Brand	2.4			R	67.8			73.7	64.5	65.8	67.2	22-Sep	42	1.9	41.1	21.3
Latham	L2500R Brand	2.5				66.2			68.5	69.7	59.8	66.9	26-Sep	39	1.9	42.6	20.7
Latham	L2635R Brand	2.6		1c		67.5			71.1	69.6	57.2	72.2	27-Sep	43	2.6	42.6	20.7
Latham	L2646R Brand	2.6		1k		66.8			73.8	66.8	61.1	65.7	26-Sep	40	2.1	40.7	20.7
Latham	L2775R Brand	2.7		1k		63.2			60.1	66.0	60.1	66.6	28-Sep	41	2.1	41.9	20.7
Legacy	23M81NRR	2.3	AM-C		R3,14	64.6			73.0	58.8	66.5	60.0	24-Sep	41	2.1	40.9	21.3

TABLE 4. 2006 MICHIGAN CENTRAL ZONE ROUND-UP READY / Late Maturity, Groups 2.3 - 3.2, SOYBEAN VARIETY TRIAL REPORT
YIELD (BU/AC)

BRAND	VARIETY	Maturity Group	PHYTO TMT*	RES	SCN	2006				2006 AVERAGE							
						2006 AVG	05-06 AVG	04-06 AVG	ALLEGAN	INGHAM	SAGINAW	SANILAC	MAT	HEIGHT	LODGING	PROTEIN	OIL
Legacy	26M81RR	2.6	AM-C	1c		65.9	62.4		64.1	73.4	61.2	64.9	28-Sep	43	3.1	42.3	20.5
Legacy	27R70RR	2.7	AM-C	1k		63.9	58.6		68.4	64.8	62.0	60.6	30-Sep	42	2.1	41.2	20.8
Legacy	27R71RR	2.7	AM-C	1k		66.0			70.7	69.0	61.7	62.6	29-Sep	42	1.9	41.7	20.5
NK Brand	S23-C2(RR)	2.3	AM-C	1k		65.9			68.5	69.2	60.5	65.4	20-Sep	42	1.9	42.5	20.8
NK Brand	S23-H2(RR)	2.3	AM-C	1a		63.3			66.8	63.2	61.0	62.3	22-Sep	39	1.4	41.3	21.2
NK Brand	S23-Z3(RR)	2.3	AM-C	1a		63.0	58.6		66.3	62.3	58.3	65.0	19-Sep	40	1.8	41.1	20.9
NK Brand	S24-K6(RR)	2.4	AM-C	1k		61.0			62.8	62.7	57.6	60.9	22-Sep	39	1.6	42.6	20.5
NK Brand	S25-B9(RR)	2.5	AM-C	1a		62.7	57.8		66.0	61.5	57.8	65.4	23-Sep	36	1.3	41.3	21.1
NK Brand	S27-L4(RR)	2.7	AM-C	1a		67.5			71.8	69.1	62.2	66.9	24-Sep	41	1.6	41.4	21.0
Pioneer	92M33(RR)	2.3	AM-C		MR	63.1			66.4	56.0	65.9	64.3	19-Sep	42	1.8	42.2	21.3
Pioneer	92M61(RR)	2.6	AM-C		MR	69.4	58.6		63.7	68.7	74.7	70.6	27-Sep	42	2.4	40.6	21.9
Pioneer	92M74(RR)	2.7	AM-C	1c	MR	69.4			68.5	73.0	70.1	66.2	24-Sep	43	2.1	40.6	21.4
Pioneer	92M91(RR)	2.9	AM-C	1k	S	68.7	61.0	59.1	78.9	65.6	60.6	69.7	27-Sep	42	2.1	39.8	21.9
Pioneer	93M11(RR)	3.1	AM-C	1k	S	68.8	60.2	57.3	76.4	64.9	64.2	69.8	29-Sep	40	1.6	40.9	21.5
Pioneer	93M12(RR)	3.1	AM-C	1c	MR	65.3			69.1	64.8	66.9	60.6	3-Oct	47	2.9	38.4	20.6
Renk	RS246NRR	2.4	AM		R	65.1			68.6	64.1	66.1	61.8	25-Sep	41	2.1	40.6	21.2
Rupp	RS 4232NRR	2.3	AM-C	1k	MR	68.0	61.3	58.9	69.7	71.6	62.4	68.6	24-Sep	39	1.6	42.2	21.1
Rupp	RS 4263(RR)	2.6	AM-C	1c		67.1			67.4	71.4	61.6	67.9	28-Sep	43	3.0	42.6	20.4
Trelay	2232RR	2.3	SG	1k		66.2			69.8	69.4	58.2	67.6	26-Sep	41	1.9	41.0	20.7
Wellman	W 3223RR	2.3	EN	1k		66.3			67.9	69.2	64.9	63.1	24-Sep	37	1.5	41.7	21.1
GRAND MEAN						66.1			69.0	66.6	63.6	65.2	26-Sep	41	2.2		
Max. Mean						70.7			78.9	74.3	74.7	72.2	8-Oct	47	3.1		
Min. Mean						60.5			59.0	56.0	54.2	57.1	18-Sep	35	1.1		
LSD (0.05)						2.8			6.8	6.8	4.4	4.4					
CV (%)						7.4			8.4	8.7	6.0	5.7					

*Seed Treatment: See 'Seed Treatment' paragraph (under 'Using the Data') for product code

TABLE 5. 2006 MICHIGAN SOUTHERN ZONE ROUND-UP READY / Early Maturity, Groups 1.9 - 2.7, SOYBEAN VARIETY TRIAL REPORT

BRAND	VARIETY	Maturity Group	PHYTO TMT*	RES	SCN	YIELD (BU/AC)						2006 AVERAGE					
						2006			2006			MAT	HEIGHT	LODGING	PROTEIN	OIL	
						2006 AVG	05-06 AVG	04-06 AVG	2006 AVG	05-06 AVG	04-06 AVG						LENAAWEE
Asgrow	AG2603(RR)	2.6	AM-C	1c	MR3	59.0			74.9	57.2	65.4	38.5	21-Sep	42	2.6	43.3	20.5
Asgrow	AG2605(RR)	2.6	AM-C	1k	S	62.8			73.2	61.0	64.3	52.9	17-Sep	37	1.6	41.5	21.6
Beck	274NRR	2.7	SuG	1c	R3,MR14	64.1			76.6	55.6	63.6	60.5	24-Sep	43	2.4	42.7	20.6
Bio Gene	BG 2707RN	2.7	SG		R3	64.7			78.4	61.2	71.4	47.7	26-Sep	37	2.2	43.5	20.5
Crow's	C2718R	2.7		1k	R	61.0			73.2	55.4	64.0	51.3	28-Sep	44	2.6	41.4	21.3
D.F. Seeds	DF 8192RR	1.9	AM-C	1k		61.9			74.1	48.3	66.2	59.2	17-Sep	37	1.6	43.4	21.0
D.F. Seeds	DF 8242RR	2.4	AM-C	1k	MR	68.4	70.1	69.3	79.2	61.8	70.3	62.3	19-Sep	36	1.6	43.9	20.3
D.F. Seeds	DF 8256NRR	2.5	AM-C		R3-14	63.5			80.4	56.9	66.9	50.1	21-Sep	39	1.8	43.6	20.9
D.F. Seeds	DF 8263RR	2.6	AM-C	1k		64.3	67.7		84.1	58.0	72.5	42.5	22-Sep	43	2.6	43.8	20.2
Dairyland	DSR - 2300/RR	2.3	AM-C			66.0			79.7	62.3	69.9	52.1	21-Sep	42	1.8	42.9	20.8
Dairyland	DSR - 234/RR	2.3	AM-C	1k	S	67.2	69.5	68.6	79.7	59.1	68.6	61.4	19-Sep	36	1.6	43.5	20.6
Dairyland	DSR - 2600/RR	2.6	AM-C	1k	S	64.3	65.6		79.4	62.4	67.9	47.4	24-Sep	39	2.0	42.1	20.6
Dairyland	DSR - 2702/RRSTS	2.7	AM-C			64.7			79.9	58.2	67.0	53.6	21-Sep	41	2.0	44.7	20.7
Dekalb	DKB24-52(RR)	2.4	AM-C		MR	64.2			80.4	56.7	65.1	54.6	21-Sep	42	2.1	43.9	20.3
Dekalb	DKB26-53(RR)	2.6	AM-C	1c	S	66.8	67.9		81.4	59.7	74.5	51.6	22-Sep	43	2.6	43.7	20.4
Dekalb	DKB27-52(RR)	2.7	AM-C	1c	R3	65.8			84.9	60.1	70.3	48.1	21-Sep	39	1.7	42.5	20.7
Dekalb	DKB27-53(RR)	2.7	AM-C	1c	MR3	65.2			79.1	58.0	71.2	52.4	26-Sep	45	2.7	42.0	21.0
Great Lakes	GL2619RR	2.6	AM-C	1k	R	65.0			77.4	58.1	64.9	59.7	27-Sep	44	2.4	41.4	21.4
Great Lakes	GL2719RR	2.7	AM-C	1c	R	61.8	64.8		78.1	56.8	65.8	46.5	25-Sep	43	2.5	42.7	20.3
Legacy	26M81RR	2.6	AM-C	1c		62.9	65.2		81.2	59.8	69.0	41.5	22-Sep	43	2.2	43.4	20.8
Legacy	27R70RR	2.7	AM-C	1k		67.1	68.9		80.7	55.9	72.8	59.0	26-Sep	41	1.7	42.6	20.3
Legacy	27R71RR	2.7	AM-C	1k		65.7			76.1	61.2	67.4	58.2	24-Sep	42	1.7	42.9	20.5
NK Brand	S23-Z3(RR)	2.3	AM-C	1a		59.4			75.8	54.4	67.2	40.0	17-Sep	39	2.3	41.7	21.1
NK Brand	S25-B9(RR)	2.5	AM-C	1a		63.6	65.7		78.1	59.1	64.9	52.4	17-Sep	36	1.3	42.5	21.2
NK Brand	S27-L4(RR)	2.7	AM-C	1a		68.2			81.6	62.7	68.1	60.2	19-Sep	40	1.4	43.1	21.1
Pioneer	92M61(RR)	2.6	AM-C		MR	65.2	67.0		79.9	63.6	68.2	49.0	24-Sep	42	2.4	42.5	21.6
Pioneer	92M74(RR)	2.7	AM-C	1c	MR	64.9			73.6	62.1	69.4	54.3	21-Sep	41	1.9	41.6	21.5
Renk	RS265RR	2.6	AM	1c		65.7	68.8		81.6	55.6	73.8	51.9	21-Sep	42	2.1	43.4	20.6
Rupp	RS 4232NRR	2.3	AM-C	1k	MR	65.3	67.8	67.4	78.1	59.6	67.9	55.5	19-Sep	38	1.7	43.4	20.7
Rupp	RS 4263(RR)	2.6	AM-C	1c		62.0			80.3	57.2	70.6	40.1	22-Sep	44	2.5	43.4	20.4
Rupp	RS 4275(RR)	2.7	AM-C	1k	S	65.7	67.1		82.6	52.5	72.0	55.8	26-Sep	41	1.8	43.2	20.3
Stine	2032-4(RR)	2.0	AM-C	1k	R	62.2			75.6	55.5	61.6	56.0	15-Sep	36	1.4	41.7	21.9
Trelay	2263RR	2.6	SG	1c	S	66.7	67.8		79.7	61.1	76.2	49.8	22-Sep	41	2.3	43.1	20.7
Trelay	2275RR	2.7	SG	1k		63.0			72.1	58.5	63.8	57.5	27-Sep	44	2.6	40.8	21.4
Wellman	W 3223RR	2.3	EN	1k		67.0			83.6	57.1	68.7	58.8	21-Sep	36	1.6	43.5	20.8
Wellman	W 3526RR	2.6	EN	1c		66.5	67.5		81.0	60.4	70.6	54.1	22-Sep	43	2.4	43.4	20.4
GRAND MEAN						64.5			78.8	58.4	68.4	52.4	21-Sep	41	2.0		
Max. Mean						68.4			84.9	63.6	76.2	62.3	27-Sep	45	2.7		
Min. Mean						59.0			72.1	48.3	61.6	38.5	15-Sep	36	1.3		
LSD (0.05)						2.9			5.2	4.8	6.2	6.6					
CV (%)						7.6			5.7	7.0	7.8	10.8					

*Seed Treatment: See 'Seed Treatment' paragraph (under 'Using the Data') for product code

TABLE 6. 2006 MICHIGAN SOUTHERN ZONE ROUND-UP READY / Late Maturity, Groups 2.8 - 3.4, SOYBEAN VARIETY TRIAL REPORT

BRAND	VARIETY	Maturity Group	PHYTO TMT* RES SCN	YIELD (BU/AC)							2006 AVERAGE						
				2006			2006				MAT	HEIGHT	LODGING	PROTEIN	OIL		
				2006 AVG	05-06 AVG	04-06 AVG	LENAWEE	HILLSDALE	INGHAM	ST.JOSEPH							
Asgrow	AG2802(RR)	2.8	AM-C	1k	R3	60.5			73.1	59.5	61.9	47.5	27-Sep	46	3.0	41.4	21.4
Asgrow	AG3006(RR)	3.0	AM-C	1k,7	MR3*	68.4	69.9		78.4	65.0	74.0	56.3	29-Sep	45	2.8	43.0	20.8
Asgrow	AG3101(RR)	3.1	AM-C	1c	MR3	63.7	67.3	67.1	75.6	55.7	68.9	54.8	30-Sep	44	2.6	44.0	19.6
Beck	286NRR	3.3	SuG	1k	S	66.6			82.1	62.2	68.2	53.6	25-Sep	41	2.0	41.5	21.4
Beck	333RR	2.8	SuG	1k	R3,MR15	61.5			71.2	59.7	65.6	49.8	7-Oct	40	2.4	42.5	20.5
Crow's	C2815R	2.8		1c	R	62.3			69.1	59.1	68.5	52.6	26-Sep	42	2.6	42.4	20.3
Crow's	C3142R	3.1		1c	S	69.2	68.3		82.7	65.7	71.1	57.4	28-Sep	46	2.7	42.9	20.5
D.F. Seeds	DF 8311RR	3.0	AM-C	1k		64.6	68.9	69.9	83.0	59.5	72.6	43.5	26-Sep	45	2.9	42.7	20.6
D.F. Seeds	DF 8312XRR	3.1	AM-C	1k		66.6			76.3	61.6	71.7	57.1	2-Oct	42	3.0	42.6	20.7
D.F. Seeds	DF 8323NRR	3.2	AM-C	1c	R3	68.2			81.3	62.0	68.0	61.3	2-Oct	44	2.7	43.7	18.8
Dairyland	DSR - 2800/RRSTS	2.8	AM-C	1c	S	66.6	69.1		74.6	64.0	70.6	57.5	28-Sep	44	2.1	43.0	20.5
Dairyland	DSR - 2820/RR	2.8	AM-C			64.3	65.5		76.8	60.8	62.7	56.8	21-Sep	37	1.4	42.6	20.4
Dairyland	DSR - 2929/RR	2.9	AM-C		R3	61.9	63.8		72.9	55.1	65.1	54.5	30-Sep	40	2.6	41.5	20.9
Dairyland	DSR - 3003/RRSTS	3.0	AM-C			65.6	68.3		73.6	64.5	65.6	58.8	28-Sep	42	2.8	43.3	20.8
Dekalb	DKB28-52(RR)	2.8	AM-C	1c	S	64.8	66.1	67.2	78.7	65.7	65.4	49.4	24-Sep	43	2.3	42.2	20.9
Dekalb	DKB31-51(RR)	3.1	AM-C	1k	S	65.2	65.4	64.3	82.6	60.6	69.6	48.2	3-Oct	43	2.9	42.5	20.6
Dyna-Gro	31T31(RR)	3.1	AM-C	1c	R3	66.5	67.3	66.4	82.1	60.2	66.1	57.5	3-Oct	41	2.5	42.5	20.7
Dyna-Gro	34N30(RR)	3.0	AM-C	1c		65.3	67.6		79.9	64.0	66.3	51.0	29-Sep	40	1.9	43.3	20.3
Dyna-Gro	35P29(RR)	2.9	AM-C			63.3	65.3		82.1	53.3	66.3	51.6	29-Sep	41	2.8	43.3	20.6
Dyna-Gro	36C28(RR)	2.8	AM-C			65.8	68.1		82.9	62.4	67.9	50.0	26-Sep	42	2.1	41.3	21.4
Dyna-Gro	37B28(RR)	2.8	AM-C	1c		63.0	64.1		78.1	63.3	61.5	49.1	24-Sep	42	2.2	41.7	21.2
Great Lakes	GL2909RR	2.9	AM-C		R	66.7	66.5		82.8	62.5	68.5	53.1	27-Sep	43	2.4	42.8	20.9
Great Lakes	GL3029RR	3.0	AM-C	1c	R	66.4			81.2	67.3	67.7	49.3	30-Sep	41	2.3	42.9	20.1
Great Lakes	GL3239RR	3.2	AM-C	1k	R	70.8			85.2	66.4	68.8	62.9	1-Oct	43	2.8	41.1	20.6
Great Lakes	GL3449RR	3.4	AM-C	1c	R	67.6			79.6	61.8	68.2	60.7	4-Oct	43	2.6	41.6	20.5
Midwest	GR2933(RR)	2.9		S	R	69.3			84.4	60.5	70.7	61.7	28-Sep	41	2.5	43.0	20.9
Midwest	GR3102(RR)	3.1		1c	S	65.5	66.5		82.3	63.3	66.1	50.3	27-Sep	44	2.4	42.3	20.5
NK Brand	S28-G1(RR)	2.8	AM-C	1a		64.9	66.1		79.7	65.8	64.7	49.2	23-Sep	38	1.6	42.0	21.3
NK Brand	S30-D4(RR)	3.0	AM-C	1a		63.2	67.2		74.3	62.0	66.9	49.5	25-Sep	40	1.8	42.8	20.3
NK Brand	S31-V3(RR)	3.1	AM-C		R3,MR14	60.9			77.1	59.6	67.4	39.3	26-Sep	42	2.4	44.0	20.1
NK Brand	S33-A8(RR)	3.3	AM-C		R3,MR14	66.8			90.3	65.8	68.9	42.1	1-Oct	45	3.3	41.1	20.5
Pioneer	92M91(RR)	2.9	AM-C	1k	S	71.3	69.5	68.5	78.9	65.6	71.0	69.6	23-Sep	42	1.9	41.0	21.9
Pioneer	93M11(RR)	3.1	AM-C	1k	S	69.8	68.6	67.0	80.2	63.0	71.4	64.7	26-Sep	40	1.3	42.3	21.4
Pioneer	93M12(RR)	3.1	AM-C	1c	MR	63.8			78.4	62.7	65.7	48.3	28-Sep	47	2.6	40.1	20.7
Pioneer	93M42(RR)	3.4	AM-C		MR	65.0			76.9	59.3	66.5	57.2	1-Oct	45	2.6	42.6	20.1
Pioneer	93M43(RR)	3.4	AM-C	1k	S	67.4			83.0	62.5	73.0	51.0	30-Sep	44	2.6	42.0	20.8
Renk	RS295NRR	2.9	AM		R	64.3	65.3		79.9	59.0	66.2	52.3	27-Sep	41	2.5	42.7	20.9
Rupp	RS 4295RR	2.9	AM-C	1c	S	60.6	63.2	64.9	74.5	59.1	59.1	49.6	27-Sep	44	2.5	42.6	20.7
Rupp	RS 4314RR	3.1	AM-C	1c	S	67.1	67.0	66.7	83.0	64.4	66.8	54.2	28-Sep	44	2.6	42.6	20.7
Stine	3032-4(RR)	3.0		1c	R	64.7			80.9	68.5	65.8	43.7	30-Sep	40	2.1	43.1	20.5
Trelay	2285RR	2.8	SG			67.7			80.3	63.3	68.2	59.1	29-Sep	41	2.3	44.0	20.0
Trelay	2294RR	2.9	SG			64.2			78.3	61.8	64.7	52.1	27-Sep	41	2.6	42.6	21.0
Wellman	W 3431RR	3.1	EN	1c	S	65.6	68.5	68.7	83.0	61.8	69.9	47.7	27-Sep	44	2.8	42.3	20.8
Wellman	W 3629RR	2.9	EN		R	64.8			80.1	57.7	69.2	52.1	28-Sep	41	2.3	43.2	20.7
GRAND MEAN						65.5			79.3	62.0	67.6	53.1	28-Sep	42	2.4		
Max. Mean						71.3			90.3	68.5	74.0	69.6	6-Oct	47	3.3		
Min. Mean						60.5			69.1	53.3	59.1	39.3	21-Sep	37	1.3		
LSD (0.05)						3.2			5.2	6.1	6.1	8.1					
CV (%)						8.5			5.6	8.4	7.7	13.1					

*Seed Treatment: See 'Seed Treatment' paragraph (under 'Using the Data') for product code

TABLE 7. 2006 MICHIGAN NORTHERN ZONE ROUND-UP READY / Maturity, Groups 0.2 - 1.8, SOYBEAN VARIETY TRIAL REPORT
YIELD (BU/AC)

BRAND	VARIETY	Maturity Group	TMT*	PHYTO RES	SCN	2006				2006 AVERAGE			
						06 AVG	Grand Traverse	Presque Isle	MAT	HEIGHT	LODGING	PROTEIN	OIL
Asgrow	AG1702(RR)	1.7	AM-C	1k	S	46.7	45.4	48.0	21-Sep	31	1.1	38.7	20.3
Asgrow	AG2002(RR)	2.0	AM-C	1c	MR	48.2	51.5	44.9	28-Sep	33	1.0	37.6	21.4
Bayside	090RR	0.9	AM-C	1k		42.5	45.0	40.0	11-Sep	28	1.0	36.6	21.9
D.F. Seeds	DF 8091RR	0.9	AM-C			33.3	30.9	35.8	8-Sep	26	1.0	37.7	21.7
D.F. Seeds	DF 8152RR	1.5	AM-C			41.0	39.5	42.4	24-Sep	30	1.0	38.8	20.7
Dairyland	DSR - 050RR	0.5				37.6	35.2	40.1	9-Sep	22	1.0	39.0	21.8
Dairyland	DSR - 091RR	0.9				46.6	45.2	47.9	16-Sep	28	1.1	39.3	21.0
Dairyland	DSR - 101RR	1.0				38.4	36.1	40.7	16-Sep	27	1.0	39.4	21.6
Dairyland	DSR - 1301/RR	1.3	AM-C			44.8	46.0	43.7	17-Sep	27	1.0	38.5	22.1
Dairyland	DSR - 1302/RRSTS	1.3	AM-C	1k		49.3	56.4	42.3	20-Sep	31	1.0	38.8	20.4
Dairyland	DSR - 1500/RRSTS	1.5	AM-C			47.6	50.0	45.2	24-Sep	29	1.0	37.9	21.2
Dairyland	DSR - 1520/RR	1.5	AM-C			39.2	33.9	44.5	18-Sep	26	1.0	39.0	21.1
Dekalb	DKB16-52(RR)	1.6	AM-C		MR3	45.9	50.0	41.8	21-Sep	30	1.0	39.4	21.4
Dekalb	DKB18-51(RR)	1.8	AM-C	1k	S	56.3	64.3	48.4	24-Sep	31	1.0	36.0	21.9
Dyna-Gro	35K12(RR)	1.2	AM-C			44.4	41.4	47.4	16-Sep	25	1.0	37.4	20.7
Dyna-Gro	36G14(RR)	1.4	AM-C			35.9	30.9	40.9	16-Sep	23	1.0	38.1	21.5
Dyna-Gro	36P10(RR)	1.0	AM-C			40.2	44.5	35.9	14-Sep	23	1.1	38.4	21.0
Dyna-Gro	39D11(RR)	1.1	AM-C			47.6	49.0	46.3	19-Sep	32	1.5	35.4	21.9
NK Brand	S08-R4(RR)	0.8	AM-C	1k		41.9	43.9	39.9	10-Sep	28	1.0	38.0	20.9
NK Brand	S12-P4(RR)	1.2	AM-C	1c		41.5	40.6	42.4	15-Sep	27	1.0	37.8	21.7
Pioneer	90M60(RR)	0.6	AM-C	1c	S	41.4	41.8	40.9	10-Sep	26	1.0	38.6	20.8
Pioneer	90M91(RR)	0.9				45.1	49.9	40.3	12-Sep	29	1.1	37.1	22.3
Pioneer	91M30(RR)	1.3				44.8	45.7	44.0	16-Sep	24	1.0	35.6	22.3
Pioneer	91M70(RR)	1.7	AM-C	1k	S	44.8	44.7	44.8	17-Sep	29	1.0	38.0	21.2
Stine	0608-4(RR)	0.6		S	S	41.4	40.5	42.2	10-Sep	24	1.0	37.7	21.2
Stine	1108-4(RR)	1.0		S	S	37.7	34.7	40.7	13-Sep	23	1.1	37.6	21.1
Trelay	2103RR	1.0		SG		48.1	52.3	43.8	14-Sep	28	1.1	38.1	21.5
Trelay	2111RR	1.1		SG	1c	42.7	36.1	49.3	16-Sep	30	1.0	34.5	22.2
Trelay	2133RR	1.3		SG		46.3	49.0	43.6	19-Sep	29	1.1	36.7	22.5
Wolf River	WRV 2302RR	0.2				28.1	31.9	24.3	6-Sep	23	1.0	38.4	22.0
Wolf River	WRV 2413RR	1.3				44.5	45.1	43.9	21-Sep	33	1.4	34.9	21.8
GRAND MEAN						43.0	43.6	42.4	16-Sep	28	1.1		
Max. Mean						56.3	64.3	49.3	28-Sep	33	1.5		
Min. Mean						28.1	30.9	24.3	6-Sep	22	1.0		
LSD (0.05)						5.4	8.9	6.4					
CV (%)						15.3	17.4	12.8					

*Seed Treatment: See 'Seed Treatment' paragraph (under 'Using the Data') for product code

2006 MICHIGAN WHITE MOLD SOYBEAN PERFORMANCE REPORT

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This report provides information on the performance of soybean varieties when challenged with white mold, which is also known as *Sclerotinia* stem rot.

TESTING PROCEDURES

The white mold test was grown at one location (Ingham) with four replications. The Ingham County site was inoculated with white mold sclerotia and irrigated to promote infection. The entries were tested in plots planted 20 feet long, 6-rows wide with a 15-inch row spacing. The planting rate was 210,000 seeds/acre. Varieties were replicated four times in a lattice design. The test included 70 commercial varieties entered by 13 seed companies. Three experimental varieties were tested from the Michigan State University soybean variety development program. The plots were planted, harvested, and rated as described for the Conventional Variety Trial.

TEST SITE INFORMATION

Ingham County

Nearest City: East Lansing
Cooperators: Michigan State University
Planting date: 5-4-06
Harvest date: 11-2-06
Previous crop: Corn
Soil type: Capac Loam
Fertilizer: 150 lbs. 0-0-60
Herbicide: Preemerge - .6oz. FirstRate 84DG,
1.33 pt/A. Dual II Magnum

GROWING CONDITIONS

The Ingham County field was irrigated daily during flowering. Cool temperatures during flowering, coupled with excess rainfall, promoted maximum disease pressure.

USING THE DATA

Results are presented in Table 8. These evaluations were done to provide information on the relative susceptibility of varieties to white mold. Although no varieties have been identified that have complete resistance to the disease, there are varieties that have lower infection rates than others when the disease is present. The selection of varieties that have low infection rates and high yields can help growers profitably in fields where white mold infections occur.

The following traits were rated using the procedures outlined in the Michigan Central and Southern Conventional Soybean Variety Trial Report: yield, maturity date, height, and lodging. White mold levels were determined by rating 30 random plants in the center rows of each plot. Each plant was rated on a scale of 0 to 3 with 0 = no infection, 1 = infection only on branches, 2 = infection on the main stem but pod fill was normal, and 3 = infection on the main stem resulted in plant death and poor pod fill. The scores of the 30 plants rated for each plot were totaled. The total was divided by 90 (the total if all 30 scored plants were given a rating of 3) and multiplied by 100 to give a disease severity index (DSI). A DSI of 100 would be given to a plot where all evaluated plants had a rating of 3 and a DSI of 0 would be given to a plot where all evaluated plants had a rating of 0.

DSI and yield values are given as averages of the replications and for multi-year. Maturity, plant height, and lodging values are given as averages over the replications for 2006. LSD (least significant difference, found at the bottom of each data column) values are given for each test. The LSD values are useful for comparing two varieties in the same test and are explained in detail in the Michigan Central and Southern Conventional Soybean Variety Trial Report. The C.V. (coefficient of variation, found at the bottom of each data column) is indicative of the trial precision. Lower C.V. value indicates more precise trials.

SPECIALTY SOYBEAN VARIETIES

Nine special-use varieties were tested in this year's white mold trial. This information will help soybean growers compare the potential profitability of special-use varieties to that of conventional varieties. DF Seeds DF222 Super2, Dairyland DSR-218, Hyland's Sherwin, and Sinclair are widely accepted for various food-grade uses such as soy milk and tofu production. Zeeland Farm Services ZFS 211 LS, ZFS 251 LS and ZFS291 LS are low-saturated fat soybean varieties that have been grown under contract for oil production. Zeeland Farm Services ZFS 252 LL and ZFS 261 LL are low-linolenic acid soybeans.

TABLE 8. 2006 MICHIGAN WHITE MOLD SOYBEAN VARIETY TRIAL REPORT

BRAND	VARIETY	Maturity Group	TMT*	PHYTO		2006		05-06		04-06		2006 AVERAGE		
				RES	SCN	DSI	YIELD	DSI	YIELD	DSI	YIELD	MAT	HEIGHT	LODGING
Bayside	192RR	1.9				0.0	66.5					18-Sep	34	1.8
D.F. Seeds	DF 202NLP	2.0	AM-C			0.0	54.7					22-Sep	44	3.0
D.F. Seeds	DF 222 Super2	2.2	AM-C			1.7	64.7					26-Sep	45	2.8
D.F. Seeds	DF 8091RR	0.9	AM-C			0.0	58.1					8-Sep	33	2.0
D.F. Seeds	DF 8152RR	1.5	AM-C			3.3	52.6					16-Sep	42	3.3
D.F. Seeds	DF 8192RR	1.9	AM-C	1k		4.2	65.1	5.1	59.2	3.9	63.0	25-Sep	41	3.0
D.F. Seeds	DF 8256NRR	2.5	AM-C		R3-14	4.2	56.7					28-Sep	42	2.5
Dairyland	DSR -1301/RR	1.3	AM-C			0.0	49.5					10-Sep	33	2.3
Dairyland	DSR -1500/RRSTS	1.5	AM-C			2.5	60.4					16-Sep	40	2.5
Dairyland	DSR -1701/RRSTS	1.7	AM-C			3.3	59.8					25-Sep	41	2.5
Dairyland	DSR -199/RRSTS	1.9	AM-C	1k	S	2.5	61.0	6.7	56.4	5.3	61.2	25-Sep	41	2.8
Dairyland	DSR -218	2.1	AM-C		S	0.8	64.2	2.5	57.0	3.9	60.7	23-Sep	45	2.3
Dairyland	DSR -2200/RR	2.2	AM-C			5.0	62.5					28-Sep	41	2.8
Dairyland	DSR -234/RR	2.3	AM-C	1k	S	3.3	69.1	2.9	61.2	2.2	65.2	27-Sep	39	2.3
Dyna-Gro	33D27RR	2.7	AM-C			0.8	53.2					6-Oct	48	4.3
Dyna-Gro	33X19(RR)	1.9	AM-C	1k	R	1.7	55.6	3.3	50.1			17-Sep	38	2.5
Dyna-Gro	36D24(RR)	2.4	AM-C		R	7.5	63.1	3.8	51.5			28-Sep	43	3.0
Dyna-Gro	37T26(RR)	2.6	AM-C	1c		0.0	57.6	8.4	54.3			5-Oct	44	4.0
Dyna-Gro	39P22(RR)	2.2	AM-C	1k		0.0	56.5					21-Sep	36	2.5
Dyna-Gro	DG-3190RR	1.9	AM-C	1k		5.0	56.9	1.3	53.8			23-Sep	39	3.3
Great Lakes	GL1701RR	1.7	AM-C	1k	S	2.5	64.1	1.7	58.9			16-Sep	34	2.5
Great Lakes	GL1907RR	1.9	AM-C	1k	MR	5.0	61.5					25-Sep	42	2.8
Great Lakes	GL2009RR	2.0	AM-C	1k	R	0.0	45.7	4.2	45.7	5.0	49.1	16-Sep	37	3.0
Great Lakes	GL2302RR	2.3	AM-C	1k	MR	2.5	69.4	3.8	61.5	5.3	66.9	26-Sep	37	2.3
Great Lakes	GL2439RR	2.4	AM-C		R	0.0	60.6					26-Sep	43	2.5
Great Lakes	GL2506RR	2.5	AM-C	1k	S	2.5	65.7					3-Oct	41	3.0
Great Lakes	GL2619RR	2.6	AM-C	1k	R	6.7	57.7					2-Oct	48	4.5
Great Lakes	GL2719RR	2.7	AM-C	1c	R	5.8	56.1	5.0	52.2			5-Oct	43	4.0
Great Lakes	GL2909RR	2.9	AM-C		R	3.4	47.2	3.0	46.1			1-Oct	42	4.0
Great Lakes	GL3029RR	3.0	AM-C	1c	R	5.8	63.0					7-Oct	40	3.0
Great Lakes	GL3239RR	3.2	AM-C	1k	R	0.8	48.5					5-Oct	46	4.0
Great Lakes	GL3449RR	3.4	AM-C	1c	R	6.7	59.5					14-Oct	47	4.0
Gutwein	H-1961RR	1.9	AM	1k	S	3.4	59.4	3.4	53.9	6.2	59.9	21-Sep	38	2.5
Gutwein	H-2448RR	2.4	AM		MR3	1.7	65.4					27-Sep	36	2.8
Hyland	RR Renwick	2.2	AM		S	3.3	48.9	3.3	47.5			26-Sep	39	4.0
Hyland	RR Respond	1.8	AM		R	1.7	57.1	2.5	50.9			21-Sep	42	2.8
Hyland	RR Rock	2.2	AM			0.8	64.9					20-Sep	36	2.0
Hyland	RR Rodney	2.1	AM		S	3.3	65.7	7.9	60.0			23-Sep	41	2.3
Hyland	RR Roll	2.6	AM		R	0.8	57.7					25-Sep	42	2.8
Hyland	Sherwin	1.9	AM		R	0.0	53.5	0.0	52.4			18-Sep	36	3.5
Hyland	Sinclair	2.1	AM		R	4.2	37.0	5.1	35.4			18-Sep	41	3.8
Hyland	T03144RR	2.4	AM		R	6.7	40.8					26-Sep	43	4.5
Midwest	GR3102(RR)	3.1		1c	S	6.7	63.4					7-Oct	45	3.8
MSU	E00003**	2.8				2.5	49.8	4.2	48.3	3.1	54.3	28-Sep	47	4.8
MSU	E01260**	2.5				0.6	50.9	0.3	48.9	2.2	56.0	25-Sep	38	3.3
MSU	E98076**	2.6				4.2	55.8	4.6	51.1	4.6	56.7	28-Sep	43	2.8
NK Brand	S17-P9(RR)	1.7	AM-C	1c		0.0	57.0	0.9	52.4	1.4	55.4	13-Sep	37	2.8
NK Brand	S21-N6(RR)	2.1	AM-C	1k		4.2	59.4					20-Sep	33	2.3
NK Brand	S23-C2(RR)	2.3	AM-C	1k		3.3	46.2					20-Sep	44	3.8

TABLE 8. 2006 MICHIGAN WHITE MOLD SOYBEAN VARIETY TRIAL REPORT

BRAND	VARIETY	Maturity Group	TMT*	RES	SCN	2006			05-06			04-06			2006 AVERAGE		
						PHYSO	DSI	YIELD	DSI	YIELD	DSI	YIELD	MAT	HEIGHT	LODGING		
NK Brand	S23-H2(RR)	2.3	AM-C	1a		0.0	54.3					24-Sep	38	3.3			
NK Brand	S25-B9(RR)	2.5	AM-C	1a		0.8	63.1					25-Sep	39	2.0			
NK Brand	S27-L4(RR)	2.7	AM-C	1a		6.7	61.6					28-Sep	41	3.0			
Pioneer	90M60(RR)	0.6	AM-C	1c	S	0.0	51.7	0.0	48.7			4-Sep	34	2.5			
Pioneer	91M70(RR)	1.7	AM-C	1k	S	2.5	57.1					13-Sep	40	2.5			
Pioneer	92M02(RR)	2.0	AM-C	1k	S	3.3	54.0					18-Sep	38	2.0			
Pioneer	92M33(RR)	2.3	AM-C		MR	0.0	54.1					20-Sep	43	3.0			
Pioneer	92M61(RR)	2.6	AM-C		MR	9.2	62.9	6.3	56.5			29-Sep	42	3.8			
Pioneer	92M74(RR)	2.7	AM-C	1c	MR	4.2	65.0					27-Sep	42	2.8			
Pioneer	92M91(RR)	2.9	AM-C	1k	S	4.2	67.5	5.9	58.3	6.1	64.0	4-Oct	44	3.3			
Pioneer	93M11(RR)	3.1	AM-C	1k	S	3.3	68.5	3.3	59.8	5.5	64.0	5-Oct	43	3.0			
Pioneer	93M12(RR)	3.1	AM-C	1c	MR	4.2	41.3					30-Sep	49	3.8			
Pioneer	93M42(RR)	3.4	AM-C		MR	3.3	46.3					7-Oct	48	4.0			
Pioneer	93M43(RR)	3.4	AM-C	1k	S	15.0	53.7					8-Oct	45	4.3			
Rupp	RS 4170RR	1.7	AM-C	1k		0.0	61.8					18-Sep	37	3.0			
Rupp	RS 4203RR	2.0	AM-C	1k		0.8	60.6					27-Sep	41	3.0			
Rupp	RS 4232NRR	2.3	AM-C	1k	MR	1.7	65.6	6.3	58.3	5.9	64.5	28-Sep	39	2.8			
Trelay	2164RR	1.6	SG	1k		0.0	62.1					16-Sep	35	2.5			
Trelay	2222RR	2.2	SG	1k	S	0.0	61.2	0.4	57.6	0.5	62.6	22-Sep	34	2.3			
Zeeland	ZFS Sel. 211 LS	2.1	AM-C			1.1	57.1					15-Sep	38	1.8			
Zeeland	ZFS Sel. 251 LS	2.5	AM-C			0.8	56.0					19-Sep	38	3.0			
Zeeland	ZFS Sel. 252 LL	2.5	AM-C			0.8	47.4					23-Sep	37	3.8			
Zeeland	ZFS Sel. 261 LL	2.6	AM-C			4.2	39.7					19-Sep	38	3.8			
Zeeland	ZFS Sel. 291 LS	2.9	AM-C			0.8	55.5	4.6	52.1	6.2	57.8	26-Sep	44	3.3			
GRAND MEAN						2.8	57.4					24-Sep	40	3.0			
Max. Mean						15.0	69.4					13-Oct	49	4.8			
Min. Mean						0.0	37.0					4-Sep	33	1.8			
LSD (0.05)							6.6										
CV (%)							9.9										

*Seed Treatment: See 'Seed Treatment' paragraph (under 'Using the Data') for product code

**Michigan State University experimental variety

INDEX FOR 2006 SOYBEAN VARIETY PERFORMANCE TRIALS

There were 205 varieties from 26 private and public seed companies entered in 9 county test sites in the 2006 Soybean Variety Performance Trials. Numbers within parentheses refer to the Table in which the variety appears. Company names used in association with variety numbers refer to the brand, and the numbers are the variety designation.

Table 1
Central
Conventional

Allegan
Saginaw
Sanilac
Ingham

Table 2
Southern
Conventional

Lenawee
St. Joseph
Hillsdale
Ingham

Table 3
Central Early
Roundup Ready

Allegan
Saginaw
Sanilac
Ingham

Table 4
Central Late
Roundup Ready

Allegan
Saginaw
Sanilac
Ingham

Table 5
South Early
Roundup Ready

Lenawee
St. Joseph
Hillsdale
Ingham

Table 6
South Late
Roundup Ready

Lenawee
St. Joseph
Hillsdale
Ingham

Table 7
Northern
Roundup Ready

Grand Traverse
Presque Isle

Table 8
White Mold
Ingham

Monsanto

ASGROW AG1702(RR) (7)
ASGROW AG2002(RR)(3,7)
ASGROW AG2106(RR) (3)
ASGROW AG2204(RR) (3)
ASGROW AG2403(RR) (4)
ASGROW AG2406(RR) (4)
ASGROW AG2603(RR) (4,5)
ASGROW AG2605(RR) (4,5)
ASGROW AG2802(RR) (4,6)
ASGROW AG3006(RR) (6)
ASGROW AG3101(RR) (6)

Bayside Seeds, LLC

BAYSIDE 222N (1)
BAYSIDE 090RR (7)
BAYSIDE 192RR (8)
BAYSIDE 202NRR (3)
BAYSIDE 215RR (3)
BAYSIDE 250RR (4)
BAYSIDE 260RR (4)

Beck's Superior Hybrids

BECK 274NRR (5)
BECK 286NRR (6)
BECK 333RR (6)

Bio Gene Seeds

BIO GENE BG2707RN (5)

Crow's Hybrid Corn Co.

CROW'S C2718R (4,5)
CROW'S C2815R (6)
CROW'S C3142R (6)

D.F. Seeds, Inc.

D.F. SEEDS DF202NLP (8)
D.F. SEEDS DF222 **Super2 (1,8)
D.F. SEEDS DF222 **Food Grd (1)
D.F. SEEDS DF230N (1)
D.F. SEEDS DF3018LL (2)
D.F. SEEDS DF8091RR (7,8)
D.F. SEEDS DF8152NRR (7,8)
D.F. SEEDS DF8192RR (3,5,8)
D.F. SEEDS DF8205RR (3)
D.F. SEEDS DF8213XNRR (3)
D.F. SEEDS DF8242RR (4,5)
D.F. SEEDS DF8243XNRR (4)
D.F. SEEDS DF8251RR (4)

D.F. Seeds, Inc., (con't)

D.F. SEEDS DF8256NRR (4,5,8)
D.F. SEEDS DF8263RR (5)
D.F. SEEDS DF8311RR (6)
D.F. SEEDS DF8312XRR (6)
D.F. SEEDS DF8323NRR (6)

Dairyland Seed Co., Inc.

DAIRYLAND DSR-050/RR (7)
DAIRYLAND DSR-091/RR (7)
DAIRYLAND DSR-101/RR (7)
DAIRYLAND DSR-1301/RR (7,8)
DAIRYLAND DSR-1302/RRSTS (7)
DAIRYLAND DSR-1500/RRSTS (7,8)
DAIRYLAND DSR-1520/RR (7)
DAIRYLAND DSR-1701/RRSTS (3,8)
DAIRYLAND DSR-199/RRSTS (3,8)
DAIRYLAND DSR-2000/RRSTS (3)
DAIRYLAND DSR-218** (1,8)
DAIRYLAND DSR-22/STS-UL Brand (1,2)
DAIRYLAND DSR-2200/RR (3,8)
DAIRYLAND DSR-221/RR (3)
DAIRYLAND DSR-2300/RR (5)
DAIRYLAND DSR-234/RR (5,8)
DAIRYLAND DSR-2600/RR (5)
DAIRYLAND DSR-2702/RRSTS (5)
DAIRYLAND DSR-2800/RRSTS (6)
DAIRYLAND DSR-2820/RR (6)
DAIRYLAND DSR-2929/RR (6)
DAIRYLAND DSR-3003/RRSTS (6)

Monsanto

DEKALB DKB 16-52(RR) (7)
DEKALB DKB 18-51(RR) (3,7)
DEKALB DKB 22-52(RR) (3)
DEKALB DKB 24-52(RR) (4,5)
DEKALB DKB 26-53(RR) (4,5)
DEKALB DKB 27-52(RR) (4,5)
DEKALB DKB 27-53(RR) (4,5)
DEKALB DKB 28-52(RR) (4,6)
DEKALB DKB 31-51(RR) (6)

UAP Great Lakes

DYNA-GRO 31D20(RR) (3)
DYNA-GRO 31T31(RR) (4,6)
DYNA-GRO 33D27(RR) (4,8)
DYNA-GRO 33X19(RR) (3,8)
DYNA-GRO 34N30(RR) (4,6)

UAP Great Lakes (con't)

DYNA-GRO 35K12(RR) (7)
DYNA-GRO 35P29(RR) (4,6)
DYNA-GRO 36C28(RR) (4,6)
DYNA-GRO 36D24(RR) (4,8)
DYNA-GRO 36G14(RR) (7)
DYNA-GRO 36P10(RR) (7)
DYNA-GRO 37B28(RR) (4,6)
DYNA-GRO 37T26(RR) (4,8)
DYNA-GRO 39D11(RR) (7)
DYNA-GRO 39P22(RR) (3,8)
DYNA-GRO DG-3190RR (3,8)

Garst Seed Company

GARST 2491 (1)
GARST D308 (2)

Great Lakes Hybrids

GREAT LAKES GL1701RR (3,8)
GREAT LAKES GL1907RR (3,8)
GREAT LAKES GL2009RR (3,8)
GREAT LAKES GL2302RR (4,8)
GREAT LAKES GL2439RR (4,8)
GREAT LAKES GL2506RR (4,8)
GREAT LAKES GL2619RR (5,8)
GREAT LAKES GL2719RR (5,8)
GREAT LAKES GL2909RR (6,8)
GREAT LAKES GL3029RR (6,8)
GREAT LAKES GL3239RR (6,8)
GREAT LAKES GL3449RR (6,8)

Golden Harvest Seeds, Inc.

GUTWEIN H-1961RR (3,8)
GUTWEIN H-2448RR (4,8)

Helena Brand Seed

HELENA 2074(RR) (3)

Hyland Seeds

HYLAND - RR RENWICK (3,8)
HYLAND - RR RESPOND (3,8)
HYLAND - RR ROCK (3,8)
HYLAND - RR RODNEY (3,8)
HYLAND - RR ROLL (4,8)
HYLAND - SHERWIN** (1,8)
HYLAND - SINCLAIR** (1,8)
HYLAND - T03144RR (4,8)

Notes

Latham Seed Company

LATHAM E2253R (3)
LATHAM E2337R (4)
LATHAM L2468R Brand (4)
LATHAM L2500R Brand (4)
LATHAM L2635R Brand (4)
LATHAM L2646R Brand (4)
LATHAM L2775R Brand (4)
LATHAM E2810R (4)
LATHAM L2976R (4)

Legacy Brand Hybrids Inc.

LEGACY 23M81NRR (4)
LEGACY 26M81RR (4,5)
LEGACY 27R70RR (4,5)
LEGACY 27R71RR (4,5)

MI Crop Improvement Assoc.

(MCIA)

MCIA 2323 (1,2)

Midwest Seed Genetics

MIDWEST GR2031(RR) (3)
MIDWEST GR2933(RR) (6)
MIDWEST GR3102(RR) (6,8)

Syngenta Seeds

NK BRAND S08-R4(RR) (7)
NK BRAND S12-P4(RR) (7)
NK BRAND S17-P9(RR) (3,8)
NK BRAND S19-L7(RR) (3)
NK BRAND S19-R5(RR) (3)
NK BRAND S21-N6 (3,8)
NK BRAND S23-C2(RR) (4,8)
NK BRAND S23-H2(RR) (4,8)
NK BRAND S23-Z3(RR) (4,5)
NK BRAND S24-K6(RR) (4)
NK BRAND S25-B9(RR) (4,5,8)
NK BRAND S27-L4(RR) (4,5,8)
NK BRAND S28-G1(RR) (6)
NK BRAND S30-D4(RR) (6)
NK BRAND S31-V3(RR) (6)
NK BRAND S33-A8(RR) (6)

Pioneer Hi-Bred International, Inc.

PIONEER 90M60(RR) (7,8)
PIONEER 90M91(RR) (7)
PIONEER 91M30(RR) (7)
PIONEER 91M70(RR) (7,8)
PIONEER 92M02(RR) (3, 8)
PIONEER 92M33(RR) (4,8)
PIONEER 92M61(RR) (4,5,8)
PIONEER 92M74(RR) (4,5,8)
PIONEER 92M91(RR) (4,6,8)
PIONEER 93M11(RR) (4,6,8)
PIONEER 93M12(RR) (4,6,8)
PIONEER 93M42(RR) (6,8)
PIONEER 93M43(RR) (6,8)

MI Crop Improvement Assoc.

(MCIA)

PUBLIC SANDUSKY (2)
PUBLIC VINTON 81** (1,2)

Renk Seed

RENK RS156RR (3)
RENK RS165RR (3)
RENK RS185RR (3)
RENK RS204NRR (3)
RENK RS223RR (3)
RENK RS246NRR (4)
RENK RS265RR (5)
RENK RS295NRR (6)

Rupp Seed, Inc.

RUPP RS 4170RR (3,8)
RUPP RS 4203RR (3,8)
RUPP RS 4232NRR (4,5,8)
RUPP RS 4263(RR) (4,5)
RUPP RS 4275(RR) (5)
RUPP RS 4295RR (6)
RUPP RS 4314RR (6)

Stine Seed Company

STINE 0608-4(RR) (7)
STINE 1108-4(RR) (7)
STINE 1918-4(RR) (3)
STINE 2032-4(RR) (3,5)
STINE 3032-4(RR) (6)

Trelay Seed Co.

TRELAY 2103RR (7)
TRELAY 2111RR (7)
TRELAY 2133RR (7)
TRELAY 2155RR (3)
TRELAY 2164RR (3,8)
TRELAY 2222RR (3,8)
TRELAY 2232RR (4)
TRELAY 2263RR (5)
TRELAY 2275RR (5)
TRELAY 2285RR (6)
TRELAY 2294RR (6)

Wellman Seeds, Inc.

WELLMAN W 3223RR (4,5)
WELLMAN W 3431RR (6)
WELLMAN W 3526RR (5)
WELLMAN W 3629RR (6)

Wolf River Valley Seeds

WOLF RIVER WRV 2302RR (7)
WOLF RIVER WRV 2413RR (7)

Zeeland Farm Services, Inc.

ZEELAND ZFS SELECT 211 LS** (1,2,8)
ZEELAND ZFS SELECT 251 LS** (1,2,8)
ZEELAND ZFS SELECT 252 LL** (1,2,8)
ZEELAND ZFS SELECT 261 LL** (1,2,8)
ZEELAND ZFS SELECT 291 LS** (1,2,8)

** This denotes specialty soybean varieties.

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Our soybean checkoff.
Effective. Efficient. Farmer-Driven.



Dear Fellow Soybean Producers,

Selecting soybean varieties is one of the most important decisions you will face when making management plans for next year's crop. Since the soybean varieties selected will directly affect your yield potential and profits, you should carefully review yield data, plant characteristics, disease ratings, and maturity interest.

While appreciating the importance of considering multiple variety characteristics, yield is probably the most important. Unfortunately, selecting a high yielding variety is not an exact science. A variety's maximum yield potential is effected by weather, soil types, and planting decisions as well as disease and insect pressure. The best way to account for such variability is to look at performance data over many environments and, if possible, multiple years. The **2006 Michigan Soybean Performance Report** is intended to provide the basic information from which variety decisions can be made.

The soybean checkoff program is managed by seven soybean producers from the seven soybean districts throughout Michigan. As producers, we are on the front line of the many challenges facing our industry. It is through the investment of your soybean checkoff in programs such as the Soybean Performance Report printing and distribution that we not only research grower needs but we inform Michigan producers of the research results which can then translate to greater profit opportunities.

For the 16th consecutive year, we are distributing this report FREE to you via direct mail, through extension offices, at meetings, shows, elevators, and farm supply stores, in hopes that you will utilize the data in selecting the varieties most appropriate for your farm in preparing for the 2007 planting season.

Sincerely,

Michigan Soybean Promotion Committee Directors

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District #2	Andy Welden, Jonesville – 517.849.2582	District #6	George Zmitko, Owosso – 989.723.1886
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