



2017 Michigan Soybean Performance Report

Photo Captured by Christine Crumbaugh

Crumbaugh Legacy, Inc. - Gratiot County

Putting Your Checkoff To Work



Michigan Soybean
Promotion Committee
The Soybean Checkoff
michigansoybean.org

The **2017 Michigan Soybean Performance Report** is a result of a cooperative effort of Michigan State University, Michigan State University Extension and the Michigan Soybean Promotion Committee. This information will help you to make informed critical choices for your 2018 soybean crop. Publication of this report is supported by checkoff funds through the Michigan Soybean Promotion Committee. This data can be accessed electronically at www.varietytrials.msu.edu/soybean and in a searchable database at www.soybeanyielddata.msu.edu.

2017 MICHIGAN SOYBEAN PERFORMANCE REPORT

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This report provides information on the performance of Conventional, Liberty Link, and Roundup Ready soybean varieties in Michigan in 2017. Data can be found on line at varietytrials.msu.edu/soybean.

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

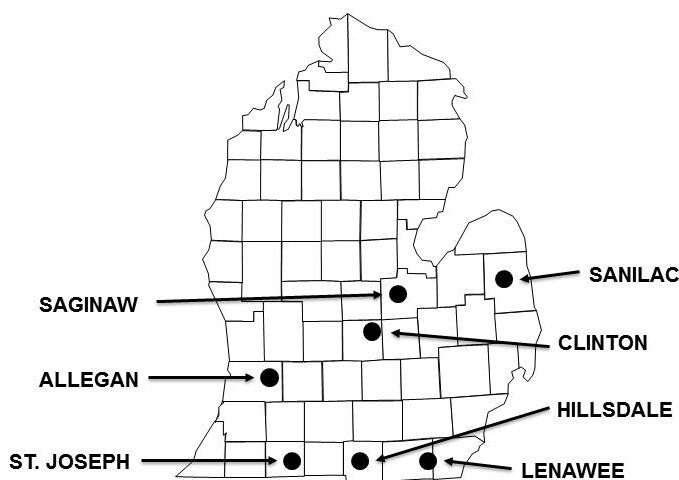
TESTING PROCEDURES

Eight trials are reported here. The Central locations for the Conventional, Roundup Ready and Liberty Link trials include test sites in Allegan, Clinton, Saginaw and Sanilac Counties. The Southern locations for the Conventional, Liberty Link and Roundup Ready trials include test sites in Clinton, Hillsdale, Lenawee, and St. Joseph (irrigated) Counties. The South Liberty Link trial at St. Joseph county was discarded due to a mechanical problem during harvest. The final report will also include protein and oil values for varieties.

Twenty-five seed companies entered a total of 225 commercial varieties. The cooperators, planting dates, harvest dates, and other site details for the locations are listed below.

Seed was planted in 6-row plots with 15-inch row spacing and a depth of 1.5-inches. The planting rate was 160,000 seeds/acre. At each location, varieties were replicated four times in a Randomized Complete Block Design (RCBD) design. The Clinton plots were trimmed to a length of 14 feet. All other locations were planted to 17 feet with 3 foot alleys that were not trimmed. Only the center four rows were harvested. Experimental design, data management, and data analysis were conducted with AGROBASE Generation II, (Agronomix Software, Inc., Winnipeg, Canada).

2017 TEST SITE COUNTY LOCATIONS



TEST SITE INFORMATION

Lenawee County

Nearest city: Britton
Cooperator: David & Jason Woods
Planting date: 6-2-17
Harvest date: Roundup 10-17-17
Conventional & Liberty Link 10-18-17
Previous crop: Corn
Soil type: Brookston Clay Loam
Fertilizer: 200# /A 0-0-60
Herbicides: Conventional & Liberty Link Trials –
Preemerg 12 oz. Authority MTZ, 1.5 pt/Medal II
Conventional & Liberty Link Trials- 1 qt Basagran, 5 oz Raptor
Roundup Ready Trials – 32 oz./A Roundup Powermax

Hillsdale County

Nearest city: Reading
Cooperator: Robert Lennard
Planting date: 6-3-17
Harvest date: Roundup 10-19-17
Conventional & Liberty Link 10-20-17
Previous crop: Corn
Soil type: Medium Loam
Fertilizer: None
Herbicides: Conventional & Liberty Link Trials –
Preemerg 12 oz. Authority MTZ, 1.5 pt/Medal II
Conventional & Liberty Link Trials- 1 qt Basagran, 5 oz Raptor
Roundup Ready Trials – 32 oz./A Roundup Powermax
All Trials- 5 oz Assure

St. Joseph County - Irrigated

Nearest city: Mendon
Cooperator: Roger and Anne Gentz and Family
Planting date: 5-16-17
Harvest date: Roundup 10-31-17
Conventional & Liberty Link 11-7-17
Previous crop: Seed Corn
Soil type: Elston Sandy Loam
Fertilizer: 200# /A 0-0-60
Herbicides: Conventional and Liberty Link Trials –
Preemerg 12 oz. Authority MTZ, 1.5 pt/Medal II
Conventional & Liberty Link Trials- 1 qt Basagran, 5 oz Raptor
Roundup Ready Trials – 32 oz./A Roundup Powermax

Clinton County

Nearest city: Ovid
Cooperator: Tom Galecka
Planting date: 5-12-17
Harvest date: Roundup 10-3-17
Conventional & Liberty Link 10-4-17
Previous crop: Corn

Soil type: Corunna Sandy Loam
Fertilizer: none
Herbicides: All trials-Preemerge 12 oz. Authority MTZ, 1.5 pt/Medal II
Conventional & Liberty Link Trials- 1 qt Basagran, 5 oz Raptor
Roundup Ready Trials – 32 oz./A Roundup Powermax
All Trials- 5 oz Assure

Allegan County

Nearest city: Hamilton
Cooperator: Harvey Jipping
Planting date: 5-27-17
Harvest date: 11-30-17
Previous crop: Corn
Soil type: Clay Loam
Fertilizer: 200# /A 0-0-60
Herbicides: Conventional & Liberty Link Trials – Preemerge 12 oz. Authority MTZ, 1.5 pt/Medal II
Conventional & Liberty Link Trials- 1 qt Basagran, 5 oz Raptor
Roundup Ready Trials – 32 oz./A Roundup Powermax

Saginaw County

Nearest city: Saginaw
Cooperator: Tom Hoff
Planting date: 5-17-17
Harvest date: Roundup 10-6-17
Conventional & Liberty Link 10-9-17
Previous crop: Corn
Soil type: Clay Loam
Fertilizer: None
Herbicides: Conventional & Liberty Link Trials – Preemerge 12 oz. Authority MTZ, 1.5 pt/Medal II
Conventional & Liberty Link Trials- 1 qt Basagran, 5 oz Raptor
Roundup Ready Trials – 32 oz./A Roundup Powermax

Sanilac County

Nearest city: Sandusky
Cooperator: Gerstenberger Farms, Inc.
Planting date: 5-31-17
Harvest date: Roundup 10-21-17
Conventional & Liberty Link 10-22-17
Previous crop: Corn
Soil type: Parkhill Clay Loam
Fertilizer: none
Herbicides: Conventional and Liberty Link Trials – Preemerge 1.5#/A Lorox 50% D.F. 1.5 pt/Medal II
Conventional & Liberty Link Trials- 1 qt Basagran
Roundup Ready Trials – 32 oz./A Roundup Powermax

LIBERTY LINK TRIAL

The Central Liberty Link soybean varieties were tested in Allegan, Clinton, Saginaw and Sanilac Counties.

The South Liberty Link soybean varieties were tested in Hillsdale, Lenawee, Clinton and St. Joseph Counties.

Both trials were treated with conventional herbicides as noted in test site information.

GROWING CONDITIONS / COMMENTS

Most of Michigan was had adequate rain during the early growing season and became dry during the last part of the growing season. MSU campus received 10.3” of rain May-September, and 9.0” in October. Dry conditions effected yield, particularly in the center of the state. Most testing locations had very little lodging this year.

USING THE DATA

Results are presented in Tables 1 through 8.

Yield: Yield is expressed as bushels per acre at 13% moisture and is reported as single and across site means for 2017. Two and three year means are also presented when applicable.

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 4 reps at all sites.

Lodging: Lodging scores reflect the erectness of the plants before harvest. The reported values are means of 4 reps at all sites. Ratings are based on the following scale:
1= Almost all plants are erect.
2= All plants leaning slightly, or fewer than 25% of the plants are down.
3= All plants leaning moderately (45%), or 25% to 50% of the plants are down.
4= All plants leaning considerably, or 50% to 80% of the plants are down.
5= Almost all plants are down.

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'.

<u>Code</u>	<u>Treatment</u>
• ACL	Acceleron
• Agr F/I	Agrishield Fungicide/Insecticide
• ALL	Allegiance
• AM	Apron Maxx (Maxim)
• AM-C	Apron Maxx & Cruiser
• Clar	Clariva
• CM	Cruiser Maxx
• Ecl-US-Q	EclipseUS quad IM
• EG	EverGolEnergy
• ENC	Encase
• ESC	Escalate
• G	Gaucho
• I	ILeVO (BayerCropScience)
• N	NForce
• N-H	Inhibit
• O	Optimize
• P	Poncho
• PA	PA2030
• SmartCote S	SmartCote Supreme
• SS	SureStand
• Vib	Vibrance
• V	Votivo

Comparing Soybean Varieties Has Never Been Easier!

Soybeanyielddata.msu.edu

- Sort by location
- Compare specific brands
- Select by resistance traits
- Limit the range of maturities
- View only the top varieties
- Use the statistical data for validity

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TABLE 1. 2017 MICHIGAN CENTRAL CONVENTIONAL SOYBEAN VARIETY TRIAL REPORT

BRAND	VARIETY	Maturity Group	TMT ¹	Phyto Res	SCN	Aphid Res	YIELD (BU/AC)										
							2017 AVG	16-17 AVG	15-17 AVG	Allegan	Clinton	Saginaw	Sanilac	Height	Lodging	Protein	Oil
2017 AVERAGE																	
Dairyland	DSR-2400	2.4	CM+O	1k			59.9	63.6	65.5	49.0	66.6	56.8	67.4	38	2.1	37.0	17.4
DF Seeds	DF 155 F	2.5	DFENDER NI	RG1K	S		60.5	66.0	67.0	53.3	65.0	59.9	63.1	36	1.5	36.9	17.3
DF Seeds	DF 187 N	1.8	DFENDER NI		R		59.6			60.3	62.2	54.8	60.0	35	1.5	36.4	17.1
DF Seeds	DF 192 N	1.9	DFENDER NI		S		64.1	65.9	65.8	59.8	66.9	59.9	62.6	36	1.6	35.3	17.8
DF Seeds	DF 227 N	2.2	DFENDER NI	RPS1	R		62.3	69.2		53.9	67.3	62.6	65.7	34	1.5	35.4	17.5
DF Seeds	DF 278 N	2.7	DFENDER NI		R		63.0			61.9	73.0	62.8	60.3	30	1.0	35.5	17.6
DF Seeds	LILY	2.5	DFENDER NI	RG1K	S		60.8	64.5	66.1	52.5	60.5	61.4	66.8	33	1.7	37.9	16.4
Dyna-Gro	S2207N	2.2	Equity VIP, Clariva	Rps1a	R		63.8	67.2		61.1	68.9	62.0	62.6	36	1.5	35.1	17.6
Dyna-Gro	S2908N	2.9	Equity VIP, Clariva	S	R		59.0			54.5	64.2	58.1	58.7	37	1.2	35.6	17.8
Great Lakes	GL2254N	2.2	AgriShield + llevo	1a	R		63.9	69.3		61.9	65.3	61.8	65.4	36	1.6	34.8	17.8
Great Lakes	GL2765N	2.7	AgriShield + llevo		R		63.5	72.2		55.7	*73.3	65.1	60.6	34	1.8	35.4	17.6
MSU	E11128T	2.5	ACLVP		R		57.1			51.3	60.3	57.1	58.9	34	1.5	39.2	16.1
MSU	E12076T	2.9	ACLVP		R		61.4	66.9	68.6	49.5	71.9	60.7	64.5	37	1.9	35.4	17.4
MSU	E13100	2.5	ACLVP		R		65.4	68.3	69.2	57.9	68.1	64.7	69.8	39	1.6	35.7	17.5
MSU	E13268	1.7	ACLVP	1c			63.6	66.4	67.4	57.2	62.1	63.1	70.0	32	1.5	35.9	17.3
MSU	E13367	2.2	ACLVP		R		61.8	66.4	67.2	55.4	68.5	61.0	62.2	33	2.1	34.7	17.3
MSU	E14077	2.4	ACLVP	1k	R		62.8	69.0		57.0	67.7	62.4	62.9	36	1.5	35.4	17.6
MSU	E15165T	2.0	ACLVP		R		62.2			60.6	62.9	57.9	66.0	30	1.5	39.0	17.1
MSU	E15338	1.8	ACLVP		R		61.7			56.3	67.6	61.8	61.0	34	1.7	34.7	18.2
MSU	E15339	2.4	ACLVP		R		65.7			60.3	71.1	*65.7	65.5	34	1.9	34.7	18.7
MSU	E15345	2.7	ACLVP		R		63.8			61.5	69.7	64.8	59.0	37	1.9	34.7	18.0
MSU	E15346T	2.5	ACLVP		R		62.8			58.5	65.7	61.5	64.4	35	1.7	35.8	18.0
MSU	E15347	2.5	ACLVP		R		63.3			61.2	68.1	62	61.3	35	1.5	35.7	17.8
MSU	E15349	2.4	ACLVP		R		62.6			54.5	68.9	63	63.7	36	2.5	36.3	17.9
MSU	E15350	2.2	ACLVP		R		60.9			54.0	63.7	62.8	61.9	34	2.1	35.4	18.3
MSU	E15351	2.4	ACLVP		R		*66.8			59.9	71.2	64.1	*71.4	35	2.1	35.7	17.7
Nature's Genetics	Nat. Gen. 2.0	2.0	CM & O				60.6	61.8	63.0	57.7	61.3	56.2	65.4	35	1.2	36.8	17.7
Nature's Genetics	Nat. Gen. 2.4	2.4	CM & O				56.1	58.1	61.0	50.7	61.7	54.0	57.4	35	1.5	38.2	16.6
Zeeland Farm Service	ZFS 1326	2.6	Ecl-US-Q,N-H		R		64	66.7	67.5	62.9	71.4	63.3	58.7	36	1.5	36.5	17.6
Zeeland Farm Service	ZFS 1420 LS	2.2	Ecl-US-Q,N-H		S		63.4	64.4	64.5	61.3	66.9	61.4	63.3	36	2.3	35.4	16.8
Zeeland Farm Service	ZFS 1528 LS	2.8	Ecl-US-Q,N-H		S		58.6	64.5		54.3	64.4	59.2	56.2	33	1.9	36.1	16.7
Zeeland Farm Service	ZFS 1716	1.6	CM, V		R3		62.4			59.2	66.2	58.1	65.2	32	1.9	36.9	17.1
Zeeland Farm Service	ZFS 1719	1.9	CM, V		R3		64.6			*63.0	68.2	60.1	66.4	34	1.1	35.4	17.2
GRAND MEAN							62.2			57.2	66.7	60.9	63.3	35	1.7	36.0	17.5
Max.							66.8			63.0	73.3	65.7	71.4	39	2.5	39.2	18.7
Min.							56.1			49.0	60.3	54.0	56.2	30	1.0	34.7	16.1
LSD (0.05)							3.9			9.3	9.0	5.3	5.4				
CV (%)							7.7			9.7	7.0	5.2	5.1				

¹ Seed Treatment: See 'Seed Treatment' paragraph (under 'Using the Data') for product code

* High yield in plot

Top 1/3 of trial is Bold

TABLE 2. 2017 MICHIGAN SOUTH CONVENTIONAL SOYBEAN VARIETY TRIAL REPORT

BRAND	VARIETY	Maturity Group	TMT ¹	PHYTO RES	SCN	2017		16-17		15-17		2017 AVERAGE					
						AVG	AVG	AVG	AVG	Hillsdale	Clinton	Lenawee	St.,Joseph	Height	Lodging	Protein	Oil
Dairyland	DSR-2400	2.4	GM+O	1k		64.3	70.0	71.5	64.3	52.1	64.3	65.4	77.2	35	1.6	36.7	17.5
DF Seeds	DF 155 F	2.5	DFENDER N I	RG1K	S	65.4	70.0	72.2	64.0	56.2	66.2	66.2	75.5	36	1.6	37.1	17.4
DF Seeds	DF 227 N	2.2	DFENDER N I	RPS1A	R	*72.4			70.5	62.0	*73.6	83.2	83.2	33	1.6	35.2	17.4
DF Seeds	DF 278 N	2.7	DFENDER N I		R	72.2			70.8	56.9	69.8	90.3	*90.3	34	1.8	34.9	18.0
DF Seeds	DF 317 N	3.1	DFENDER N I	RG1K	R	70.0	77.4		70.6	55.1	71.9	82.7	82.7	36	1.6	35.5	18.2
Dyna-Gro	S2207N	2.2	Equity VIP, Clariva	Rps1a	R	70.3	73.1		67.4	61.9	70.6	83.3	83.3	35	1.8	35.5	17.3
Great Lakes	GL2254N	2.2	AgriShield + llevo	1a	R	71.9	77.4		72.4	60.6	72.2	82.2	82.2	37	1.6	35.2	17.5
Great Lakes	GL2765N	2.7	AgriShield + llevo		R	70.1	76.1		71.2	*64.0	67.6	79.3	79.3	37	1.6	35.3	17.7
MSU	E11128T	2.5	ACLPV		R3	60.1			61.0	52.4	59.6	68.5	68.5	39	1.8	38.8	16.8
MSU	E12076T	2.9	ACLPV		R3	68.5	70.9	71.4	66.4	62.6	66.6	78.8	78.8	34	1.7	35.0	17.7
MSU	E13100	2.5	ACLPV		MR1,R3	69.2	70.6		68.1	62.9	61.0	77.8	77.8	39	2.6	35.4	17.8
MSU	E13268	1.7	ACLPV	1c		66.6	70.7	71.1	69.4	54.6	68.3	72.0	72.0	37	1.3	35.2	18.1
MSU	E13370	2.2	ACLPV			66.2	71.6	72.4	66.9	57.6	67.5	73.4	73.4	42	2.1	35.6	17.2
MSU	E14077	2.4	ACLPV	1k	R3	66.7	72.3		72.8	52.1	65.8	76.8	76.8	31	1.6	34.9	18.2
MSU	E15165T	2.0	ACLPV			60.7			64.7	48.5	62.4	65.5	65.5	33	2.2	39.4	16.8
MSU	E15338	1.8	ACLPV		R3	65.9			68.4	51.2	69.7	73.5	73.5	36	2.0	34.5	18.1
MSU	E15339	2.4	ACLPV		R3	70.6			72.4	61.1	69.6	76.0	76.0	30	1.5	34.5	18.7
MSU	E15345	2.7	ACLPV		R3	71.0			*74.0	60.4	71.1	70.4	70.4	33	1.9	34.7	17.9
MSU	E15346T	2.5	ACLPV		R3	63.8			68.7	54.0	63.2	69.6	69.6	36	2.1	35.6	18.0
MSU	E15349	2.4	ACLPV		R3	67.0			68.7	58.0	65.8	76.2	76.2	36	1.8	36.0	18.1
MSU	E15350	2.2	ACLPV		R3	65.9			69.5	57.9	65.5	69.8	69.8	34	1.9	35.1	18.1
MSU	E15351	2.4	ACLPV		R3	70.6			72.2	60.2	68.8	81.6	81.6	35	2.1	35.6	17.7
Nature's Genetics	Nat. Gen. 2.0	2.0	CM & O			60.7	65.2	65.3	61.0	54.3	57.7	69.7	69.7	35	1.6	36.6	17.5
Nature's Genetics	Nat. Gen. 2.4	2.4	CM & O			59.4	62.7	64.1	60.9	48.7	58.3	69.5	69.5	34	2.3	37.9	16.9
Wellman	W 295	2.9	ENC	RPS1C	R	62.8	71.95	71.3	66.5	51.3	62.4	71.1	71.1	37	1.6	37.4	16.6
Wellman	W 315	3.1	ENC	1K & 3a		68.5	74.2		71.2	57.4	66.9	78.0	78.0	36	1.6	36.1	17.8
Zeeland Farm Service	ZFS 1326	2.6	Ecl-US-Q,N-H		R	66.6	72.5	71.4	73.5	52.8	65.6	75.7	75.7	36	2.2	36.4	17.6
Zeeland Farm Service	ZFS 1528 LS	2.8	Ecl-US-Q,N-H	S		61.7	69.8		60.1	51.6	59.3	76.2	76.2	35	1.8	36.4	16.4
Zeeland Farm Service	ZFS 1629 N	2.9	Ecl-US-Q,N-H	R		67.9			66.2	55.8	70.5	78.7	78.7	35	1.6	35.5	17.2
GRAND MEAN						66.7			68.0	56.4	66.3	76.0	76.0	35	1.8	35.9	17.6
Max.						72.4			74.0	64.0	73.6	90.3	90.3	39	2.6	39.4	18.7
Min.						59.4			59.3	48.5	57.7	65.8	65.8	29	1.3	34.3	16.4
LSD (0.05)						4.4			8.5	10.6	6.3	8.9	8.9				
CV (%)						7.9			7.5	9.6	5.7	6.9	6.9				

¹ Seed Treatment: See 'Seed Treatment' paragraph (under 'Using the Data') for product code

* High yield in plot

Top 1/3 of trial is Bold

TABLE 3. 2017 MICHIGAN CENTRAL ROUND-UP READY / Early Maturity, (1.3 - 2.2), SOYBEAN VARIETY TRIAL REPORT
YIELD (BU/AC)

BRAND	VARIETY	Maturity		Phyto	2017 AVERAGE										
		Group	Herb		TMT ¹	Res	SCN	AVG	16-17	15-17	YIELD (BU/AC)				
AgriGold	G1810RX	1.8	RR2X	CM, Vib	1c	R	63.5	68.6	62.8	57.0	65.6	30	1.1	36.0	18.0
AgriGold	G2105RX	2.1	RR2X	CM, Vib	1c	R	65.8	71.9	63.3	61.9	66.4	32	1.1	35.7	18.3
AgVenture	21M7R2	2.1	RR	Security	1k	M Susc	62.6	69.0	64.3	51.5	65.3	32	1.0	33.6	19.3
AgVenture	25W2R	2.5	RR	Security	1c	R	64.8	65.3	66.8	61.3	66.0	32	1.0	35.1	17.8
AgVenture	20U6R	2.1	RR	Security	1k	R	64.0	66.4	65.7	57.9	65.9	31	1.0	35.1	17.9
Asgrow	AG19X8	1.9	RR2X	ACL	1c	MR	63.5	65.6	67.2	57.1	64.2	31	1.1	34.8	18.6
Asgrow	AG2035	2.0	RR2Y	ACL	1c	R	64.8	68.2	69.9	57.2	70.0	34	1.0	36.4	18.2
Asgrow	AG21X8	2.1	RR2X	ACL	1c	R	62.9	68.8	58.8	60.2	63.9	35	1.1	35.9	17.1
Beck's	1889X2	1.8	RR2X	ESC	1a,3a	MR	61.6	70.8	60.9	54.2	60.7	31	1.0	36.1	18.0
Burtech	STRIKE 2116 GTS	2.1	RR1	ApronMaxx	1c	S	60.4	66.2	62.9	49.4	63.2	31	1.0	35.4	18.1
Channel	1818 R2X	1.8	RR2X	Acceleron FI	1c	R3	66.6	70.8	67.8	61.2	66.5	32	1.0	34.7	18.8
Channel	1917 R2X	1.9	RR2X	Acceleron FI	1k	R3	64.3	68.3	66.1	58.4	64.6	34	1.1	36.5	18.1
Credenz	CZ 2188 EXP	2.1	EXP	EG, P, V, IleVO	1c	MR	64.5	68.7	61.5	59.9	68.1	29	1.2	34.6	18.6
Dairyland	DSR-1313/R2Y	1.3	RR2Y	CM+O	1c	R	65.3	66.1	64.2	60.4	70.3	31	1.2	35.5	18.5
Dairyland	DSR-1475/R2Y	1.4	RR2Y	CM+O	1c	R	64.9	69.7	59.8	60.5	69.8	30	1.3	35.6	18.2
Dairyland	DSR-1526/R2Y	1.5	RR2Y	CM+O	1c	R	64.5	65.9	64.7	59.9	70.3	29	1.1	35.4	18.8
Dairyland	DSR-1721/R2Y	1.7	RR2Y	CM+O	1k	R	64.7	66.7	62.3	56.9	68.6	32	1.1	35.3	18.5
Dairyland	DSR-1870/R2Y	1.8	RR2Y	CM+O	1c	R	61.9	67.1	55.9	55.0	68.8	31	1.0	35.5	18.4
Dairyland	DSR-1950/R2Y	1.9	RR2Y	CM+O	1c	R	66.0	69.4	64.7	62.9	67.2	31	1.0	35.0	17.9
Dairyland	DSR-2110/R2Y	2.1	RR2Y	CM+O	1c	R	64.5	69.4	62.0	59.6	64.9	30	1.0	35.4	17.7
DF Seeds	DF 5173 N R2Y	1.7	RR2Y	DFENDER NI	1k	R	66.2	70.2	67.4	58.9	68.7	32	1.0	35.2	18.1
DF Seeds	DF 5193 N R2Y	1.9	RR2Y	DFENDER NI	1c	R	64.1	66.95	64.5	57.7	67.5	35	1.2	35.4	18.2
DF Seeds	DF 5227 N R2Y	2.2	RR2Y	DFENDER NI	1c	R	67.9	72	66.5	64.0	67.4	34	1.2	34.2	18.1
Dyna-Gro	S17RY67	1.7	RR2Y	Equity VIP, Clariva	1c	R	63.8	66.35	62.0	60.7	65.6	32	1.2	35.2	18.4
Dyna-Gro	S18XT38	1.8	RR2X	Equity VIP, Clariva	1a,3a	MR	63.4	69.4	62.8	57.4	62.5	31	1.0	35.9	17.9
Dyna-Gro	S19RY65	1.9	RR2Y	Equity VIP, Clariva	1c	R	69.0	71.2	68.6	62.1	68.4	31	1.1	35.5	17.9
Dyna-Gro	S21XT77	2.1	RR2X	Equity VIP, Clariva	1c	R	63.6	69.0	63.5	58.0	64.3	34	1.3	35.7	18.2
Golden Harvest	GH1915X	1.9	RR2X	CCB	1c	R3,MR14	66.6	72.5	64.7	60.4	68.7	29	1.1	34.8	18.4
Golden Harvest	GH2041X	2.0	RR2X	CCB	1c	R3,MR14	66.0	67.8	67.9	61.4	67.0	29	1.1	35.7	18.4
Golden Harvest	GH2230X	2.2	RR2X	CCB	1c	R3,MR14	67.4	70.7	68.6	58.2	72.0	30	1.2	35.7	18.0
Great Lakes	GL1675NRX	1.6	RR2X	AgriShield + llevo	1c	R	64.3	69.6	59.6	59.4	68.7	30	1.2	35.1	18.4
Great Lakes	GL1760NRX	1.7	RR2X	AgriShield + llevo	1c	R	64.6	65.8	59.8	60.4	67.1	29	1.0	35.8	18.1
Great Lakes	GL1865NR2	1.8	RR2Y	AgriShield + llevo	1c	R	64.7	68.9	64.5	59.4	66.0	33	1.0	35.3	18.5
Great Lakes	GL1953NR2	1.9	RR2Y	AgriShield + llevo	1c	R	65.2	70.1	71.8	59.5	68.2	32	1.0	35.2	17.9
Great Lakes	GL2063NRX	2.0	RR2X	AgriShield + llevo	1c	R	62.2	67.9	61.7	53.2	68.4	32	1.1	35.7	18.2
Great Lakes	GL2269NR2	2.2	RR2Y	AgriShield + llevo	1c	R	65.1	68.3	64.0	56.2	67.7	32	1.0	34.6	18.5
Legacy Seeds	LS-1638N RR2X	1.6	RR2X	L-COAT TOTAL	1c	R3,MR14	66.7	68.5	74.2	55.5	68.6	31	1.3	35.3	18.2
Legacy Seeds	LS-1838N RR2X	1.8	RR2X	L-COAT TOTAL	1a	MR3,MR14	64.8	69.8	68.0	55.7	65.7	31	1.0	35.8	18.2
Legacy Seeds	LS-2037N RR2X	2.0	RR2X	L-COAT TOTAL	1c	R3,MR14	64.4	66.0	66.3	58.7	66.4	33	1.1	35.5	18.2
M&W	18L18 NRR2Y	1.8	RR2Y	Titan	1k	R	65.7	68.6	67.3	55.6	70.4	33	1.1	35.7	18.2
M&W	22L88 NRR2Y	2.2	RR2Y	Titan	1c	R	67.5	69.9	69.6	62.9	67.2	34	1.1	34.1	18.3
MCIA	2117RB	2.1	GT	AMC	1c		67.2	72.1	64.2	62.5	70.1	29	1.1	35.0	18.4
NK Brand	S18-G4X	1.8	RR2X	CCB	1c	R3,MR14	64.0	70.0	60.4	60.9	64.5	32	1.3	35.0	18.4

TABLE 3. 2017 MICHIGAN CENTRAL ROUND-UP READY / Early Maturity, (1.3 - 2.2), SOYBEAN VARIETY TRIAL REPORT

YIELD (BU/AC)

BRAND	VARIETY	Maturity Group	Herb	TMT ¹	Phyto Res	SCN	2017 16-17		2017 AVERAGE							
							AVG	AVG	Allegan	Clinton	Saginaw	Sanilac	Height	Lodging	Protein	Oil
NK Brand	S20-J5X	2.0	RR2X CCB		1c	R3,MR14	67.0	66.7	70.2	66.7	63.1	68.2	30	1.2	36.0	18.1
NK Brand	S21-W8X	2.1	RR2X CCB		1c	R3	68.9	68.3	*77.3	60.0	60.0	70.1	30	1.0	35.9	18.1
NuTech	7198	1.9	GT SC-S		1k	R	62.2	61.6	64.2	61.6	58.3	65.0	31	1.0	35.3	17.7
NuTech	7224	2.2	GT SC-S		1k	R	59.8	66.45	68.5	56.6	51.8	62.3	31	1.0	33.3	19.2
Renk	RS168NX	1.6	RR2X AM-C			R	64.3	70.7	70.7	63.2	56.7	66.6	29	1.3	35.0	18.2
Renk	RS188NX	1.8	RR2X AM-C			R	63.1	68.6	68.6	61.2	57.1	65.4	30	1.0	36.0	17.8
Renk	RS207NX	2.0	RR2X AM-C			R	65.0	69.65	72.2	62.4	58.2	67.0	32	1.1	35.5	18.4
Renk	RS208NX	2.0	RR2X AM-C			R	61.0	64.9	64.9	59.3	56.0	63.9	31	1.2	36.9	17.3
Renk	RS213NR2	2.1	RR2Y AM-C		1c	R	65.0	68.4	70.6	70.1	58.3	*72.2	32	1.1	35.6	18.3
Renk	RS228NX	2.2	RR2X AM-C			R	63.2	67.6	67.6	59.9	59.2	66.0	31	1.0	35.6	18.2
Rupp	RS 18XT17	1.8	RR2X Cruiser Max		1a,3a	R	64.3	73.1	73.1	63.9	55.1	65.2	31	1.0	35.8	18.0
Rupp	RS21XT91	2.2	RR2X Cruiser Max		1k,3a	R	62.1	64.5	64.5	61.4	53.6	68.8	30	1.1	35.9	18.2
Rupp	RS7177	1.7	RR2Y Cruiser Max		1k	R	66.4	66.8	66.8	66.8	60.5	71.5	33	1.1	36.0	17.8
Rupp	RS7205	2.0	RR2Y Cruiser Max		1c	R	64.8	68.5	68.5	63.0	59.7	68.1	32	1.2	35.6	18.2
Specialty	1962R2X	1.9	RR2X ACL		1k	R3	63.2	62.3	67.7	62.3	59.2	63.5	33	1.2	36.7	17.9
Specialty	2271R2X	2.2	RR2X ACL			R3	61.3	56.7	69.1	56.7	58.6	60.6	29	1.0	35.4	18.0
GRAND MEAN							64.5	63.7	68.9	63.7	58.4	66.9	31	1.1	35.4	18.2
Max.							69.0	74.2	77.3	74.2	64.0	72.2	35	1.3	36.9	19.3
Min.							59.8	55.9	63.0	55.9	49.4	60.6	29	1.0	33.3	17.1
LSD (0.05)							3.5	10.0	6.5	10.0	6.8	5.4				
CV (%)							6.6	9.4	5.6	9.4	7.0	4.8				

¹ Seed Treatment: See 'Seed Treatment' paragraph (under 'Using the Data') for product code

* High yield in plot

Top 1/3 of trial is Bold

TABLE 4. 2017 MICHIGAN CENTRAL ROUND-UP READY / Late Maturity, (2.3 - 3.1), SOYBEAN VARIETY TRIAL REPORT
YIELD (BU/AC)

BRAND	VARIETY	Mat Group	Herb	TMT ¹	PHYTO		2017 16-17		2017 AVERAGE						
					RES	SCN	AVG	AVG	Allegan	Clinton	Saginaw	Sanilac	Height	Lodging	Protein
AgriGold	G2515RX	2.5	RR2X	CM, Vib	1k	R	62.5	60.6	68.7	56.3	66.7	33	1.2	36.2	17.8
AgriGold	G2610RX	2.6	RR2X	CM, Vib	1c	R	59.3	55.5	64.3	57.1	60.0	33	1.0	35.4	18.0
AgVenture	26W9R	2.6	RR	Security	1k	R	62.3	60.0	68.7	58.4	64.0	36	1.1	35.1	18.4
AgVenture	EXM25R	2.5	RR	Security	1k	R	63.7	60.7	71.2	59.2	65.5	37	1.3	35.6	18.5
Asgrow	AG2535	2.5	RR2Y	ACL	1k	MR	63.1	67.6	69.2	62.0	65.6	34	1.3	34.9	18.1
Asgrow	AG2636	2.6	RR2Y	ACL	1k	R	63.1	69.6	70.8	64.2	73.6	36	1.1	34.9	17.8
Asgrow	AG27X7	2.7	RR2X	ACL	1c	R	57.1	53.2	58.5	55.6	60.2	37	1.3	35.5	18.3
Asgrow	AG29X8	2.9	RR2X	ACL	1c	R	59.8	54.5	66.5	60.3	59.2	34	1.3	36.9	17.2
Asgrow	AG30X6	3.0	RR2X	ACL	1c	MR	53.1	53.1	63.9	59.7	59.3	37	1.2	36.2	17.5
Beck's	2899X2	2.8	RR2X	ESC	1c	MR	62.7	59.7	66.8	60.7	65.2	36	1.2	35.8	17.2
Burtch	STRIKE 245R2	2.4	RR2	GMV	S	S	61.1	66.9	66.8	60.7	58.9	35	1.4	37.1	16.7
Channel	2306 R2	2.3	RR2Y	Acceleron FI	1k	R3	59.5	67.3	63.0	56.0	61.0	33	1.1	35.4	17.7
Channel	2918 R2X	2.9	RR2X	Acceleron FI	1c	R3	58.5	52.5	66.2	57.4	61.2	36	1.1	35.9	17.1
Credenz	CZ 2558 EXP	2.5	EXP	EG, P, V, IlLeVO	1k	MR	65.0	63.0	71.7	62.7	66.1	33	1.2	35.1	18.6
Credenz	CZ 2878 EXP	2.8	EXP	EG, P, V, IlLeVO	1k	MR	64.3	66.2	64.4	60.2	66.6	32	1.0	34.3	18.5
Dairyland	DSR-2330/R2Y	2.3	RR2Y	CM+O	1k	R	61.6	68.0	69.2	58.5	66.6	35	1.1	35.7	18.2
Dairyland	DSR-2616/R2Y	2.6	RR2Y	CM+O	3a	MR	59.0	68.6	67.6	61.2	62.8	34	1.1	36.1	17.6
Dairyland	DSR-2909/R2Y	2.9	RR2Y	CM+O	1a	R	62.3	69.1	69.5	61.7	66.0	35	1.3	36.2	17.9
Dairyland	DSR-3028/R2Y	3.0	RR2Y	CM+O	1c	R	57.4	53.0	63.3	54.4	61.7	40	1.5	36.1	17.6
Dyna-Gro	S23RY85	2.3	RR2Y	Equity VIP, Clariva	1c	R	60.2	66.7	67.3	59.6	65.3	35	1.2	35.2	18.4
Dyna-Gro	S23XT78	2.3	RR2X	ACL	1c	R	62.2	64.1	66.8	58.0	63.7	35	1.1	35.7	17.7
Dyna-Gro	S24RY87	2.4	RR2Y	Equity VIP, Clariva	1k	R	65.1	69.6	70.8	*63.3	69.1	35	1.1	35.6	18.1
Dyna-Gro	S26RY37	2.6	RR2Y	Equity VIP, Clariva	S	R	61.0	67.8	68.5	56.3	59.8	34	1.4	35.0	17.9
Golden Harvest	GH2537X	2.5	RR2X	CCB	1c	R3,MR14	62.0	60.8	67.1	57.7	64.0	35	1.4	34.9	18.2
Golden Harvest	GH2788X	2.7	RR2X	CCB	1c	R3,MR14	64.0	67.2	68.3	62.5	59.3	30	1.1	35.6	18.2
Great Lakes	GL2372NRX	2.3	RR2X	AgriShield + llevo	1c	R	63.1	65.4	64.2	62.2	63.3	35	1.3	35.8	17.8
Great Lakes	GL2479NRX	2.4	RR2X	AgriShield + llevo	1c	R	58.5	57.6	67.5	53.7	57.9	37	1.3	36.0	17.6
Great Lakes	GL2673NRX	2.6	RR2X	AgriShield + llevo	1c	R	59.1	56.1	67.5	55.1	60.9	32	1.1	35.4	18.0
Great Lakes	GL2870NRX	2.8	RR2X	AgriShield + llevo	1c	R	63.4	60.5	68.6	60.5	64.0	36	1.1	35.8	16.7
Legacy	LS-2338N RR2X	2.3	RR2X	L-COAT TOTAL	1k	R3,MR14	62.7	61.4	69.3	57.7	64.7	32	1.2	35.4	18.3
Legacy	LS-2638N RR2X	2.6	RR2X	L-COAT TOTAL	1c	R3,MR14	59.1	55.6	64.1	56.9	58.9	32	1.0	35.3	17.8
M&W	25K10 NRR2Y	2.5	RR2Y	Titan	1k	R	63.0	68.7	69.4	59.1	68.2	34	1.1	35.3	18.4
M&W	26M63 RR2X	2.6	RR2X	untreated	1c,3a	R	61.0	62.6	66.5	54.9	60.9	37	1.4	36.3	17.1
M&W	26M81 GT	2.6	GT	Titan	1c	R	57.4	49.2	65.9	53.0	62.1	37	1.4	37.0	17.5
M&W	27K85 NRR2Y	2.7	RR2Y	Titan	1c	R	59.5	68.6	67.6	56.0	60.6	34	1.4	37.2	16.7
NK Brand	S25-B6X	2.5	RR2X	CCB	1c	R3,MR14	61.8	60.0	63.8	58.2	63.4	34	1.6	35.1	18.1
NK Brand	S27-M8X	2.7	RR2X	CCB	1c	R3,MR14	62.5	61.5	68.1	61.4	58.7	29	1.1	35.5	18.0
NuTech	7240	2.4	GT	SC-S	1k	R	61.4	53.1	69.1	59.1	63.9	35	1.2	34.3	18.9
NuTech	7279	2.7	GT	SC-S	1c	R	62.1	66.7	73.6	56.1	60.6	36	1.2	35.0	17.9
NuTech	7317	3.1	GT	SC-S	1k	R	*65.7	59.5	*74.6	61.2	68.2	37	1.2	36.1	17.9
Rupp	RS 24XT53	2.4	RR2X	Cruiser Max	1c, 3a	R	60.6	58.4	64.0	56.1	63.5	38	1.7	34.8	17.8
Rupp	RS 26XT00	2.6	RR2X	Cruiser Max	1k, 3a	R	58.5	60.9	58.9	51.2	62.0	36	1.1	36.8	17.1
Rupp	RS 7242	2.4	RR2Y	Cruiser Max	1k	R	64.5	61.1	68.2	59.2	68.9	35	1.4	35.3	18.3
Seed Consultants	SC 9238R™	2.3	RR	FST/IST	R3	R3	60.7	67.8	62.0	54.7	60.0	38	1.4	35.2	18.5
Seed Consultants	SC 9277RR™	2.7	RR	FST/IST	R3, R14	R3, R14	62.4	67.6	64.3	53.8	65.8	35	1.0	35.0	18.0

TABLE 4. 2017 MICHIGAN CENTRAL ROUND-UP READY / Late Maturity, (2:3 - 3:1), SOYBEAN VARIETY TRIAL REPORT
YIELD (BU/AC)

BRAND	VARIETY	Mat Group	Herb	TMT ¹	PHYTO RES	SCN	2017		2017		2017 AVERAGE						
							AVG	AVG	AVG	AVG	Allegan	Clinton	Saginaw	Sanilac	Height	Lodging	Protein
Seed Consultants	SCS 9256R™	2.5	RR	FST/IST		R3, R14	61.0	67.3	69.7	60.5	66.7	54.6	65.8	36	1.1	36.1	18.3
Seed Consultants	SCS 9295RR™	2.9	RR	FST/IST		R3	59.6	67.35	70.0	57.9	68.1	56.3	59.6	35	1.1	36.5	17.9
Seed Consultants	SCS 9318R™	3.1	RR	FST/IST		R3 R14	62.1			61.7	69.6	58.6	62.5	36	1.1	36.6	17.7
Specialty	2452R2X	2.4	RR2X	ACL	1c	R3	60.6			59.1	69.7	56.9	62.2	34	1.6	35.3	17.4
Specialty	2573R2X	2.5	RR2X	ACL	1c	R3	64.1			*70.8	64.7	60.9	63.0	33	1.2	35.9	17.7
Specialty	2862R2X	2.8	RR2X	ACL	1c	R3	60.2			51.4	73.0	59.7	63.0	41	1.8	36.6	17.7
GRAND MEAN							61.4			59.6	67.0	57.6	62.9	35	1.2	35.7	17.8
Max.							65.7			70.8	74.6	63.3	70.4	41	1.8	37.2	18.9
Min.							57.1			49.2	58.5	51.2	57.9	29	1.0	34.3	16.7
LSD (0.05)							3.6			7.2	9.0	7.1	5.3				
CV (%)							7.1			7.2	7.0	7.4	5.0				

¹ Seed Treatment: See 'Seed Treatment' paragraph (under 'Using the Data') for product code

* High yield in plot

Top 1/3 of trial is Bold

TABLE 5. 2017 MICHIGAN SOUTHERN ZONE ROUND-UP READY / Early Maturity, (1.7 - 2.7), SOYBEAN VARIETY TRIAL REPORT
YIELD (BU/AC)

BRAND	VARIETY	Mat Group	Herb	TMT ¹	Phyto Resist.	SCN	2017 16-17 15-17					2017 AVERAGE				
							AVG	AVG	AVG	Hillsdale	Clinton	Lenawee	St. Joseph	Height	Lodging	Protein
AgriGold	G2515RX	2.5	RR2X CM, Vib		1k	R	63.5	57.3	66.0	62.2	67.6	34	1.3	36.5	17.7	
AgriGold	G2610RX	2.6	RR2X CM, Vib		1c	R	69.2	61.6	69.2	65.3	80.7	35	1.2	35.5	17.9	
Asgrow	AG2535	2.5	RR2Y ACL		1k	MR	69.9	77.3	76.4	71.7	74.5	35	1.4	34.7	18.3	
Asgrow	AG2636	2.6	RR2Y ACL		1k	R	66.6	77.5	73.2	62.2	68.5	36	1.3	34.8	17.9	
Asgrow	AG27X7	2.7	RR2X ACL		1c	R	63.9	57.8	65.8	61.1	70.8	38	1.7	36.3	17.9	
Beck's	2339X2	2.3	RR2X ESC		1c	R	67.1	62.0	70.3	61.6	74.4	37	1.3	35.5	17.8	
Beck's	2559X2	2.5	RR2X ESC		1c	MR	66.9	61.0	66.7	64.2	76.6	34	1.2	35.5	17.8	
Burtch	STRIKE 2116 GTS	2.1	RR1 ApronMaxx		S	S	66.9	73.2	69.4	63.3	79.3	35	1.3	35.6	18.0	
Burtch	STRIKE 245R2	2.4	RR2 CMV		S	S	65.0	71.1	68.1	62.9	67.2	37	1.7	36.6	17.1	
Channel	1917 R2X	1.9	RR2X Acceleron FI		1k	R3	66.9	57.0	66.5	68.2	75.2	36	2.0	36.0	18.0	
Channel	2306 R2	2.3	RR2Y Acceleron FI		1k	R3	67.7	73.7	59.1	65.9	77.3	35	1.2	35.5	17.7	
Credenz	CZ 2188 EXP	2.1	EXP EG, P.V, ILeVO		1c	MR	71.0	64.3	73.0	64.8	82.4	32	1.2	35.2	18.4	
Credenz	CZ 2558 EXP	2.5	EXP EG, P.V, ILeVO		1k	MR	69.7	58.3	71.6	67.6	80.2	33	1.2	35.3	18.5	
Dairyland	DSR-1721/R2Y	1.7	RR2Y CM+O		1k	R	67.4	59.9	75.0	66.1	68.4	35	1.4	35.7	18.2	
Dairyland	DSR-1870/R2Y	1.8	RR2Y CM+O		1c	R	65.0	69.2	68.9	66.3	63.7	34	1.6	35.7	18.3	
Dairyland	DSR-1950/R2Y	1.9	RR2Y CM+O		1c	R	68.4	61.0	71.2	68.9	72.3	33	1.2	34.8	17.8	
Dairyland	DSR-2110/R2Y	2.1	RR2Y CM+O		1c	R	65.3	73.2	73.7	64.7	74.0	32	1.4	36.0	17.5	
Dairyland	DSR-2330/R2Y	2.3	RR2Y CM+O		1k	R	69.4	75.2	75.1	64.4	79.7	36	1.4	35.3	18.5	
Dairyland	DSR-2616/R2Y	2.6	RR2Y CM+O		3a	MR	64.0	70.2	70.7	63.3	61.7	34	1.4	36.5	17.2	
DF Seeds	DF 5268 N R2Y	2.6	RR2Y DFENDER NI		1c	MR	66.9	62.7	69.2	62.1	74.3	34	1.2	35.6	17.9	
Dyna-Gro	S24RY87	2.4	RR2Y Equity VIP, Clariva		1k	R	67.4	73.6	66.1	66.1	78.5	35	1.4	35.6	18.3	
Dyna-Gro	S26RY37	2.6	RR2Y Equity VIP, Clariva		S	R	67.2	73.3	63.5	64.1	74.8	34	1.7	35.0	18.0	
Dyna-Gro	S26XT88	2.6	RR2X ACL		1c	R	64.8	60.4	67.0	64.1	68.3	39	1.6	36.9	17.6	
Golden Harvest	GH2537X	2.5	RR2X CCB		1c	R3,MR14	70.1	60.4	69.5	66.7	83.1	36	1.8	35.3	18.1	
Golden Harvest	GH2788X	2.7	RR2X CCB		1c	R3,MR14	74.7	65.1	74.9	71.0	87.0	31	1.1	35.9	17.7	
Great Lakes	GL1953NR2	1.9	RR2Y AgriShield + llevo		1c	R	69.2	73.8	74.4	68.8	77.4	34	1.2	35.2	17.9	
Great Lakes	GL2063NRX	2.0	RR2X AgriShield + llevo		1c	R	66.6	73.1	63.8	65.6	71.1	35	2.0	36.5	17.4	
Great Lakes	GL2269NR2	2.2	RR2Y AgriShield + llevo		1c	R	69.9	73.5	72.4	64.2	77.3	37	1.3	35.2	18.1	
Great Lakes	GL2372NRX	2.3	RR2X AgriShield + llevo		1c	R	68.0	63.8	69.8	67.6	71.5	35	1.4	35.9	17.8	
Great Lakes	GL2479NRX	2.4	RR2X AgriShield + llevo		1c	R	66.3	59.0	67.8	65.9	70.0	39	1.6	36.5	17.5	
Great Lakes	GL2673NRX	2.6	RR2X AgriShield + llevo		1c	R	65.7	52.4	62.8	66.1	79.6	33	1.1	35.8	18.0	
Legacy	LS-2037N RR2X	2.0	RR2X L-COAT TOTAL		1c	R3,MR14	70.6	66.0	72.0	68.3	76.7	38	2.0	36.5	17.8	
Legacy	LS-2338N RR2X	2.3	RR2X L-COAT TOTAL		1k	R3,MR14	66.2	63.8	63.0	59.7	78.7	35	1.6	35.7	18.1	
Legacy	LS-2638N RR2X	2.6	RR2X L-COAT TOTAL		1c	R3,MR14	66.6	56.0	69.6	61.3	78.4	34	1.3	35.2	18.0	
M&W	25K10 NRR2Y	2.5	RR2Y Titan		1k	R3,MR14	68.5	74.2	74.8	62.6	67.9	35	1.4	35.7	18.1	
M&W	26M63 RR2X	2.6	RR2X untreated		1c,3a	R3,MR14	65.9	64.2	62.7	62.1	75.4	37	1.6	36.9	17.2	
M&W	26M81 GT	2.6	GT Titan		1c	R	62.2	68.3	70.1	57.2	75.6	38	1.8	37.0	17.4	
M&W	27K85 NRR2Y	2.7	RR2Y Titan		1c	R3,MR14	66.8	74.9	61.6	67.3	78.2	36	1.7	37.4	16.9	
M&W	2617	2.6	GT AMC		1c	R	73.8	69.0	75.4	70.5	80.7	34	1.7	35.2	18.5	
NK Brand	S27-M8X	2.7	RR2X CCB		1c	R3,MR14	71.7	60.3	76.4	66.8	84.5	31	1.3	35.5	18.1	
NuTech	7224	2.2	GT SC-S		1k	R	67.3	72.6	57.7	70.8	76.5	36	1.2	34.2	18.8	
NuTech	7240	2.4	GT SC-S		1k	R	64.1	55.4	63.8	65.7	71.0	37	1.5	34.6	18.9	
NuTech	7279	2.7	GT SC-S		1c	R	64.9	74.4	58.1	65.8	78.0	37	1.4	35.3	17.7	
Renk	RS248NX	2.4	RR2X AM-C		1c	R	70.7	61.5	73.3	67.3	80.3	34	1.6	35.5	18.0	
Renk	RS268NX	2.6	RR2X AM-C		1c	R	66.2	61.3	66.2	60.2	80.3	33	1.2	35.1	18.0	
Rupp	RS 24XT53	2.4	RR2X Cruiser Max		1c,3a	R	66.4	59.5	67.5	63.9	75.4	40	1.8	34.9	17.7	

TABLE 5. 2017 MICHIGAN SOUTHERN ZONE ROUND-UP READY / Early Maturity, (1.7 - 2.7), SOYBEAN VARIETY TRIAL REPORT
YIELD (BU/AC)

BRAND	VARIETY	Mat Group	Herb	TMT ¹	Phyto Resist.	SCN	2017 16-17 15-17		2017 AVERAGE						
							AVG	AVG	Hillsdale	Clinton	Lenawee	St. Joseph	Height	Lodging	Protein
Rupp	RS 26XT00	2.6	RR2X	Cruiser Max	1k, 3a	R	65.1	61.4	65.8	76.9	38	1.8	36.7	17.1	
Seed Consultants	SC 9238R™	2.3	RR	FST/IST	R3	R3	68.6	62.1	71.9	61.4	78.2	39	1.4	35.9	18.2
Seed Consultants	SCS 9256R™	2.5	RR	FST/IST	R3, R14	R3, R14	66.8	73	73.9	61.6	81.0	36	1.2	36.5	18.1
Seed Consultants	SC 9277RR™	2.7	RR	FST/IST	R3, R14	R3, R14	66.8	76.5	65	77.0	36	1.4	35.2	17.8	
Specialty	1962R2X	1.9	RR2X	ACL	1k	R3	66.8	59.4	68.4	66.0	71.3	35	2.1	36.7	17.8
Specialty	2271R2X	2.2	RR2X	ACL	R3	R3	67.8	58.3	70.5	62.8	79.6	32	1.4	35.8	17.7
Specialty	2452R2X	2.4	RR2X	ACL	1c	R3	69.8	63.6	70.9	62	82.1	35	1.9	35.1	17.5
Specialty	2573R2X	2.5	RR2X	ACL	1c	R3	68.4	57.8	72	60.6	82.3	34	1.3	36.1	17.6
Wellman	W 4525	2.5	RR2Y	ENC	3a	R	68.8	73.2	73.3	*69.2	70.1	34	1.5	36.4	17.5
Wellman	W 4723	2.3	RR2Y	ENC	1k	R	63.0	71.6	66.4	60.2	75.4	35	1.7	35.4	18.1
Wellman	W 5826	2.6	RR2X	ENC	1c, 3a	R	65.8	61.8	63.3	62.9	76.8	39	1.7	37.0	17.3
GRAND MEAN							67.4	60.6	68.5	64.2	76.2	35	1.5	35.7	17.9
Max.							74.7	69.2	76.4	72.2	87.0	40	2.1	37.4	18.9
Min.							62.2	48.3	61.7	55.5	63.7	31	1.1	34.2	16.9
LSD (0.05)							4.5	10.1	9.3	6.6	7.1				
CV (%)							8.1	8.6	8.2	6.2	5.6				

¹ Seed Treatment: See 'Seed Treatment' paragraph (under 'Using the Data') for product code

* High yield in plot

Top 1/3 of trial is Bold

TABLE 6. 2017 MICHIGAN SOUTHERN ZONE ROUND-UP READY / Late Maturity, (2.8 - 3.5), SOYBEAN VARIETY TRIAL REPORT
YIELD (BU/AC)

BRAND	VARIETY	Mat Group Herb	TMT ¹	Phyto Resist.	SCN	2017 16-17 15-17					2017 AVERAGE					
						AVG	AVG	AVG	Hillsdale	Clinton	Lenawee	St. Joseph	Height	Lodging	Protein	Oil
AgriGold	G2900RX	2.9 RR2X CM, Vib		1c	R	69.8	63.8	69.7	66.7	80.0	37	1.5	36.0	17.2		
AgriGold	G3094RX	3.0 RR2X CM, Vib		1c	R	70.3	64.8	68.3	64.1	84.7	37	1.3	36.7	17.1		
Asgrow	AG29X8	2.9 RR2X ACL		1c	R	63.5	53.6	59.3	63.5	75.7	33	1.5	37.4	17.1		
Asgrow	AG30X6	3.0 RR2X ACL		1c	MR	67.4	60.5	*71.0	65.0	74.9	39	1.5	36.7	17.2		
Asgrow	AG32X6	3.2 RR2X ACL		1c	R	63.8	57.5	61.9	61.6	74.8	35	1.3	36.9	17.6		
Asgrow	AG33X8	3.3 RR2X ACL		1c	R	68.8	64.7	64.1	66.1	80.9	39	1.3	37.5	17.1		
Beck's	3553X2	3.3 RR2X ESC		1c	MR	65.8	74.2	62.1	60.7	78.6	34	1.3	37.5	16.9		
Beck's	3559X2	3.5 RR2X ESC		1c	MR	68.0	59.9	61.7	66.7	82.8	34	1.2	36.5	17.5		
Channel	2918 R2X	2.9 RR2X Accelaron FI		1c	R3	68.1	63.4	64.3	63.8	81.4	35	1.3	36.6	16.7		
Channel	3318 R2X	3.3 RR2X Accelaron FI		1c	R3	67.8	65.5	59.9	66.2	80.9	37	1.4	36.4	16.9		
Credenz	CZ 2878 EXP	2.8 EXP EG, P.V, IlevO		MR	MR	69.8	61.1	66.3	68.1	83.2	33	1.1	34.6	18.1		
Credenz	CZ 3298 EXP	3.2 EXP EG, P.V, IlevO		MR	MR	69.5	61.9	**	68.3	*87.0	34	1.4	**	**		
Dairyland	DSR-2909/R2Y	2.9 RR2Y CM+O		1a	R	67.2	72.9	74.2	61.7	79.7	36	1.5	36.0	18.0		
Dairyland	DSR-3028/R2Y	3.0 RR2Y CM+O		1c	R	65.6	59.1	62.8	62.7	78.0	41	1.6	36.7	17.5		
DF Seeds	DF 7296 N X R2Y	2.9 RR2X DFENDER N I		1c	R	67.6	74.4	67.1	63.2	80.6	41	1.6	37.6	17.3		
Dyna-Gro	S28XT58	2.8 RR2X Equity VIP, Clariva		1c	R	68.3	63.4	66.3	62.4	81.1	36	1.4	36.1	17.3		
Dyna-Gro	S30XT96	3.0 RR2X Equity VIP, Clariva		1c	R	65.5	73.7	61.0	57.0	75.4	40	1.3	37.7	17.1		
Dyna-Gro	S33RY76	3.3 RR2Y Equity VIP, Clariva		1c	R	68.2	76.4	77.7	65.2	59.8	38	1.6	36.4	17.1		
Dyna-Gro	S33XT07	3.3 RR2X Equity VIP, Clariva		1c	R	66.2	57.1	60.8	65.3	80.5	35	1.6	37.8	17.1		
Golden Harvest	GH2981X	2.9 RR2X CCB			R3,MR14	63.2	56.0	56.7	66.0	72.9	32	1.2	35.5	17.4		
Golden Harvest	GH3195X	3.1 RR2X CCB		1c	R3,MR14	71.5	63.8	61.3	*72.7	86.4	36	1.3	36.7	17.5		
Great Lakes	GL2870NRX	2.8 RR2X AgriShield + IlevO		1c	R	69.1	65.8	66.6	66.1	79.1	36	1.4	35.8	17.2		
M&W	29M71 RR2X	2.9 RR2X untreated		1c	R	62.0	55.9	60.2	59.1	73.7	37	1.2	36.4	17.0		
NK Brand	S29-K3X	2.9 RR2X CCB			R3,MR14	64.6	63.5	56.8	63.1	75.5	32	1.2	35.6	17.2		
NK Brand	S31-Y2X	3.1 RR2X CCB		1c	R3,MR14	*73.1	*68.3	70.4	69.3	85.8	36	1.3	36.4	17.9		
NutTech	7317	3.1 GT SC-S		1k	R	66.6	60.5	62.8	61.8	81.3	35	1.2	36.8	17.8		
Renk	RS288NX	2.8 RR2X AM-C			R	68.5	63.3	68.9	66.4	76.7	37	1.3	36.2	17.1		
Renk	RS316NR2	3.1 RR2Y AM-C		1c	R	67.8	76.1	74.9	64.6	60.8	36	1.6	36.4	16.9		
Renk	RS328NX	3.2 RR2X AM-C			R	65.6	59.7	63.6	62.5	77.3	39	1.3	36.9	16.8		
Renk	RS348NX	3.4 RR2X AM-C			R	67.6	63.9	59.8	65.0	81.5	35	1.3	36.2	17.6		
Rupp	RS 28XT22	2.8 RR2X Cruiser Max		1c	R	62.7	57.3	56.4	61.8	74.5	37	1.3	36.6	16.7		
Rupp	RS 7283	2.8 RR2Y Cruiser Max		1a	R	64.8	62.2	61.4	64.7	71.8	35	1.5	36.4	17.4		
Rupp	RS 7332	3.3 RR2Y Cruiser Max		1k	R	68.7	75.5	76.8	65.5	69.4	63.8	8.2	4.0	15.5	36.4	17.8
Seed Consultants	SCS 9295RR™	2.9 RR FST/IST			R3	65.9	72.8	75.0	60.7	60.3	61.6	82.9	33	1.2	36.9	18.0
Seed Consultants	SCS 9318R™	3.1 RR FST/IST			R3,R14	69.6	66.6	66.6	64.8	81.0	36	1.3	36.8	17.7		
Specialty	2862R2X	2.8 RR2X ACL		1c	R3	64.6	57.5	56.3	65.2	81.0	40	1.8	37.3	17.4		
Specialty	3062R2X	3.0 RR2X ACL		1c,3a	R3	63.0	59.2	54.5	62.9	75.0	38	1.6	36.0	17.8		
Specialty	3141R2X	3.1 RR2X ACL		1c	MR3	63.3	57.7	59.5	58.6	76.7	37	1.5	36.8	16.7		
Wellman	W 4529	2.9 RR2Y ENC		1a	R	65.5	72.8	73.4	64.8	59.3	62.6	74.9	35	1.3	36.1	17.8
Wellman	W 4732	3.2 RR2Y ENC		1c,3a	R	65.1	65.4	62.2	60.8	74.0	39	1.7	36.7	17.0		
Wellman	W 5828	2.8 RR2X ENC		1c	R	68.9	62.5	65.7	66.1	81.3	36	1.3	36.4	16.9		
Wellman	W 5829	2.9 RR2X ENC		1c	R	60.4	55.9	51.3	60.9	73.6	37	1.4	36.3	17.3		
GRAND MEAN						66.7	61.5	62.2	64.4	78.9				36.5	17.3	
Max.						73.1	68.3	71.0	72.7	87.0				37.8	18.1	
Min.						60.4	53.6	51.3	58.6	71.8				34.6	16.7	
LSD (0.05)						4.0	8.4	10.3	6.0	7.3						
CV (%)						7.2	7.1	8.6	5.6	5.5						

¹Seed Treatment: See 'Seed Treatment' paragraph (under 'Using the Data') for product code
* High yield in plot
Top 1/3 of trial is Bold
TABLE 6. 2017 MICHIGAN SOUTHERN ZONE ROUND-UP READY / Late Maturity, (2.8 - 3.5), SOYBEAN VARIETY TRIAL REPORT
YIELD (BU/AC)

BRAND	VARIETY	Mat Group Herb	TMT ¹	Phyto Resist.	SCN	2017 16-17 15-17					2017 AVERAGE				
						AVG	AVG	AVG	Hillsdale	Clinton	Lenawee	St. Joseph	Height	Lodging	Protein
** = seed had not arrived at the time of planting															

TABLE 7. 2017 MICHIGAN LIBERTY LINK CENTRAL SOYBEAN TRIAL REPORT

BRAND	VARIETY	Maturity		Herb	TMT ¹	PHYTO		2017 16-17		2017 AVERAGE						
		Group	Herb			RES	SCN	AVG	AVG	Allegan	Clinton	Saginaw	Sanilac	Height	Lodging	Protein
Beck's	204L4	2.0	LL	ESC		1c	MR	62.6	61.2	67.3	64.5	57.3	34	1.1	35.1	18.2
Beck's	296L4	2.9	LL	ESC		1k	MR	62.8	58.9	71.3	64.9	55.9	38	1.5	35.0	18.4
Credenz	CZ 1738 LL	1.7	LL	EG, P, V, ILeVO		1c	MS	67.4	63.1	71.8	66.4	68.2	32	2.2	36.0	17.6
Credenz	CZ 2101 LL	2.1	LL	EG, P, V, ILeVO		1c	MR	64.3	55.7	71.1	66.1	64.4	35	1.3	35.1	18.2
Credenz	CZ 2312 LL	2.3	LL	EG, P, V, ILeVO		1k	MR	68.5	72.1	72.3	65.6	67.5	35	1.3	36.6	17.3
Credenz	CZ 2601 LL	2.6	LL	EG, P, V, ILeVO		1c	MR	66.1	70.6	*77.4	67.1	60.3	34	1.2	35.2	17.9
Credenz	CZ 2810 LL	2.8	LL	EG, P, V, ILeVO		1k	R	62.4	55.2	70.4	65.5	58.5	39	1.3	35.4	18.1
DF Seeds	DF 9221 N LL	2.2	LL	DFENDER NI		1k	R	67.8	69.6	64.0	65.6	67.5	36	1.7	36.9	17.1
DF Seeds	DF 9232 N LL	2.3	LL	DFENDER NI		1k	R	65.9	70.9	70.0	63.5	64.5	35	1.3	37.0	17.2
DF Seeds	DF 9263 N LL	2.6	LL	DFENDER NI		1c	R	64.6	69.0	69.0	66.1	59.9	33	1.1	35.1	18.0
Dyna-Gro	S24LL98	2.4	LL	Equity VIP, Clariva		1k	R	67.0	*69.7	70.3	66.4	61.5	33	1.3	34.8	18.1
Dyna-Gro	S25LL96	2.5	LL	Equity VIP, Clariva		1c	R	65.3	69.1	68.2	*68.6	60.6	37	1.3	35.2	18.1
Great Lakes	GL1769NLL	1.7	LL	AgriShield + ILeVO		1k	R	66.4	65.1	69.0	68.0	*68.9	32	2.3	35.9	17.6
Great Lakes	GL2264NLL	2.2	LL	AgriShield + ILeVO		1k	R	64.9	69.4	71.4	62.9	68.3	35	1.5	36.5	17.4
Great Lakes	GL2557NLL	2.5	LL	AgriShield + ILeVO		1k	R	64.1	68.3	68.1	63.5	57.7	37	1.5	35.0	18.3
MCIA	2212LL	2.2	LL	AMC				63.9	68.2	67.4	66.2	60.6	35	1.8	36.6	17.5
MCIA	2314LL	2.3	LL	AMC				66.6	67.9	67.3	64.0	63.0	36	1.3	36.5	17.5
MCIA	2512LL	2.5	LL	AMC				64.0	68.7	67.8	62.4	60.6	36	1.6	36.5	17.3
MCIA	2617LL	2.6	LL	AMC				65.3	62.6	71.9	67.6	59.2	33	1.3	34.6	18.1
NuTech	3174L	1.7	LL	SC-S			R	65.4	65.6	68.8	65.2	68.6	33	2.3	36.1	17.5
NuTech	3205L	2.0	LL	SC-S		1c	R	63.4	66.2	65.3	63.4	62.4	34	1.4	35.1	18.0
NuTech	3236L	2.3	LL	SC-S			R	64.5	61.1	70.3	63.3	63.4	35	1.3	36.8	17.2
NuTech	3252L	2.5	LL	SC-S		1c	R	65.9	69.2	68.5	67.8	61.1	36	1.2	34.8	18.5
GRAND MEAN								65.2	61.1	71.5	65.5	62.6	34	1.2	35.7	17.8
Max.								68.5	69.7	77.4	68.6	68.9	37	1.6	37.0	18.5
Min.								62.4	55.2	67.3	62.4	55.9	30	1.0	34.6	17.1
LSD (0.05)								4.0	9.2	7.8	6.9	8.0				
CV (%)								7.3	8.9	6.5	6.3	7.6				

¹ Seed Treatment: See 'Seed Treatment' paragraph (under 'Using the Data') for product code

* High yield in plot

Top 1/3 of trial is Bold

TABLE 8. 2017 MICHIGAN LIBERTY LINK SOUTH SOYBEAN TRIAL REPORT

BRAND	VARIETY	Maturity Group	Herb	TMT ¹	PHYTO RES	SCN	YIELD (BU/AC)									
							2017 16-17					2017 AVERAGE				
							AVG	AVG	AVG	AVG	AVG	Hillsdale	Clinton	Lenawee	Height	Lodging
AGRA Solutions	KEY 1726L	2.6	LL	ENC	1c		63.7	70.2	60.3	*69.1	62.8	30	1.0	34.9	18.2	
AGRA Solutions	KEY 1732L	3.2	LL	ENC	1c		60.4	69.4	59.7	56.8	65.1	32	1.0	35.9	17.7	
AGRA Solutions	KEY 1829L	2.8	LL	ENC	1c		61.6		60.7	58.3	63.7	38	1.1	36.4	17.8	
Credenz	CZ 2312 LL	2.3	LL	EG, P, V, ILeVO	1k	MR	61.9	69.2	*65.7	57.4	65.4	35	1.0	37.1	17.1	
Credenz	CZ 2601 LL	2.6	LL	EG, P, V, ILeVO	1c	MR	65.1	71.8	64.3	62.8	69.4	33	1.0	35.5	18.0	
Credenz	CZ 2810 LL	2.8	LL	EG, P, V, ILeVO	1k	R	63.1	71.0	63.9	63.9	63.9	36	1.0	35.5	18.3	
Credenz	CZ 3118 LL	3.1	LL	EG, P, V, ILeVO	1c	MR	63.0		62.0	55.9	68.3	30	1.0	35.6	18.4	
DF Seeds	DF 9251 N LL	2.5	LL	DFENDER N I	1k	R	63.7	70.1	64.6	64.4	66.1	34	1.0	37.0	17.3	
DF Seeds	DF 9263 N LL	2.6	LL	DFENDER N I	1c	R	63.6	70.7	64.2	60.1	71.8	31	1.0	35.2	18.1	
DF Seeds	DF 9278 N LL	2.7	LL	DFENDER N I	1c	R	62.6		59.9	62.4	67.6	28	1.0	35.1	18.4	
Dyna-Gro	S29LL18	2.9	LL	Equity VIP, Clariva	1c	R	64.4		62.7	65.6	64.8	38	1.1	36.1	18.1	
Great Lakes	GL2264NLL	2.2	LL	AgriShield + Ileva	1k	R	64.0	70.8	62.8	59.0	*72.3	34	1.1	36.6	17.5	
Great Lakes	GL2557NLL	2.5	LL	AgriShield + Ileva	1k	R	62.3	69.0	60.8	59.5	68.8	34	1.1	35.4	18.2	
Great Lakes	GL2860NLL	2.8	LL	AgriShield + Ileva	1k	R	62.7	68.7	62.4	57.3	66.9	36	1.0	36.0	17.8	
Legend	LS 2143	2.1	LL	YP Pro, QR	1c	R	59.1		61.7	56.3	68.5	31	1.0	35.1	18.5	
Legend	LS 2624	2.6	LL	YP Pro, QR	1c	R	63.7		61.6	66.1	68.1	32	1.0	35.2	18.1	
MCIA	2512LL	2.5	LL	AMC			63.9	69.4	70.6	63.9	71.2	32	1.1	36.9	17.2	
MCIA	2617LL	2.6	LL	AMC			64.4		61.0	66.4	66.3	33	1.0	35.0	18.2	
MCIA	2917LL	2.9	LL	AMC			*67.7		64.2	67.7	70.5	39	1.0	36.0	18.1	
NuTech	3309L	3.0	LL	SC-S	1c	R	61.6	73	73.1	59.1	61.8	38	1.6	36.7	17.7	
NuTech	3321L	3.2	LL	SC-S	1k	R	62.8	69.9	67.5	58.8	69.5	38	1.5	34.5	18.4	
GRAND MEAN							63.1		61.7	61.9	67.3	34	1.1	35.8	18.0	
Max.							67.7		65.7	69.1	72.3	39	1.6	37.1	18.5	
Min.							59.1		55.9	55.9	61.8	28	1.0	34.5	17.1	
LSD (0.05)							5.8		7.8	9.1	8.8					
CV (%)							9.5		6.4	8.7	7.8					

¹ Seed Treatment: See 'Seed Treatment' paragraph (under 'Using the Data') for product code

* High yield in plot

Top 1/3 of trial is Bold



Michigan Soybean Promotion Committee
PO Box 287
Frankenmuth, Michigan 48734



**Michigan Soybean
Promotion Committee**
The Soybean Checkoff
michigansoybean.org

Fellow Soybean Producers,

Many experts claim that soybean genetics contribute as much as two thirds of the yield potential of your crop. This makes the task of selecting varieties that fit your farm critical to your soybean yield. This report contains the most complete source of unbiased yield comparisons from across the state.

The investment of checkoff funds in this publication is an example of our mission to "Manage checkoff resources to increase return on investment for Michigan soybean farmers while enhancing sustainable soybean production". We feel confident in the value of this resource and hope that it proves as a valuable resource for your farm.

We wish you a safe and profitable 2018 season.

Sincerely,

Michigan Soybean Promotion Committee Directors

District #1 Sarah Peterson, Niles

District #3 Laurie Isley, Palmyra

District #5 Mike Sahr, Saginaw

District #7 Steve Koeman, Hamilton

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