

2018 ORGANIC SOYBEAN VARIETY TRIALS YIELD RESULTS

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In 2018, The Organic Farmers of Michigan (OFM) and Michigan State University (MSU) partnered to continue the organic soybean variety trials. This is the seventh year of evaluating organic and non-GMO soybean varieties under organic management to identify existing and promising varieties to improve the productivity and quality of soybeans for organic growers in Michigan. The 2018 Organic Soybean Variety Trials include 41 different varieties from eight seed companies and two universities. Varieties were trialed at three locations.



Variety Trial Plots at the W.K. Kellogg Biological Station

TEST SITE INFORMATION

Isabella County

Nearest city: Rosebush

Cooperator: Matt Graham

Soil type: Ithaca Loam

Tuscola County

Nearest city: Unionville

Cooperator: Dave Sting

Soil type: Tappan-Londo Loam

Kalamazoo County

Nearest city: Hickory Corners

Cooperator: W. K. Kellogg Bio Station

Soil type: Sandy loam

Purpose of this report

1. This preliminary report is published to provide yield results to assist farmers in making variety purchasing decisions for next year's growing season.
2. Samples from 2018 have been submitted for quality analyses. A final report will be published early in 2019 including quality and additional agronomic results.
3. Varieties that were included in previous trials have been noted. Results for yield, % oil, % protein, maturity days after planting, height and seeds/lb are available for reference in previous reports at http://organicfarmersofmichigan.com/test_plot_data.html.



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2018 Organic Soybean Variety Trials Yield Results

Source	Variety	Group	Hilum Color	2018 Bushels per Acre				Previous Reports*					
				Isabella	Kalamazoo	Tuscola	Average	2012	2013	2014	2015	2016	2017
Albert Lea Seed	Viking 0.2518N	2.5	Black	55.2	57.3	65.8	59.4				X		
Albert Lea Seed	Viking 0.2188AT12N	2.5	Yellow	53.4	50.7	71.4	58.5					X	X
Albert Lea Seed	Viking 0.2299N	2.3	Yellow	45.9	54.9	73.9	58.2			X	X		
Albert Lea Seed	Viking 0.1955 AT	1.9	Black	46.0	49.7	67.2	54.3	X					
Albert Lea Seed	Viking 0.1518N	1.5	Black	42.9	39.8	53.9	45.5				X	X	
Blue River Hybrids	22DC6	2.2	Buff	60.4	52.5	64.1	59.0					X	X
Blue River Hybrids	26F0	2.6	Yellow	45.0	53.6	72.0	56.9						X
Blue River Hybrids	18C7	1.8	Dark	53.4	48.3	66.7	56.1					X	X
Blue River Hybrids	20FC6	2.0	Yellow	50.5	44.1	55.4	50.0					X	X
Blue River Hybrids	21F3	2.6	Yellow	37.7	42.7	60.7	47.0		X	X	X	X	X
Cooperative Elevator Co.	DH 530	1.6	Clear	40.4	38.4	48.6	42.4	X	X	X	X	X	X
Cooperative Elevator Co.	DH 410	1.6	Clear	39.3	36.1	48.9	41.4	X	X	X	X	X	X
DF Seeds Inc	DF 155F	2.5	Clear	47.4	51.6	69.6	56.2	X	X	X	X	X	X
DF Seeds Inc	DF 187N	1.8	Clear	50.2	43.9	61.3	51.8						X
DKB Farms	Vinton 81	1.9	Clear	36.7	35.4	60.2	44.1	X	X	X	X	X	X
LG Seeds	C2300	2.3	Brown	59.9	54.8	71.3	62.0						
Michigan State University	E13902	2.5	Dark Buff	58.0	56.2	67.3	60.5						X
Michigan State University	E14077	2.4	Dark Imperfect Black	58.4	53.5	66.5	59.4						X
Michigan State University	E10174	2.7	Yellow	50.2	55.8	71.8	59.2	X	X	X	X	X	X
Michigan State University	E13367	2.2	Brown	54.2	50.9	69.8	58.3				X	X	X
Michigan State University	E12076T	2.9	Yellow	46.6	53.2	72.6	57.4			X		X	X
Michigan State University	E07051	2.2	Dark Brown	53.2	49.0	66.3	56.1	X	X		X	X	X
Michigan State University	E13100	2.5	Yellow	54.0	46.0	68.1	56.0						X
Michigan State University	E13370	2.2	Black	48.6	50.5	64.3	54.4			X			X
Michigan State University	E11128T	2.6	Yellow	46.7	46.9	67.1	53.5				X	X	X
Michigan State University	E13268	1.5	Black	50.7	45.9	61.4	52.7					X	X
Michigan State University	E13369	1.6	Brown	52.3	45.9	59.7	52.6				X	X	X
Michigan State University	E15165T	1.9	Yellow	44.1	49.1	64.4	52.5						X
Michigan State University	E13036T	2.4	Yellow	41.0	48.7	62.5	50.7				X	X	X
Michigan State University	E15346T	1.6	Yellow	32.7	49.2	67.4	49.8						X
Michigan State University	E15079T	2.2	Yellow	36.2	44.4	63.3	48.0						X
Michigan State University	E07158-T	2.3	Yellow	40.3	39.8	54.1	44.7	X	X	X	X	X	X
Michigan State University	E07130-T	2.3	Yellow	38.8	38.2	50.2	42.4	X	X	X	X	X	X
Pioneer	P21A20	2.1	Yellow	51.4	46.4	60.8	52.9						
SunOpta	SR 354	2.2	Yellow	57.4	48.4	60.5	55.4					X	X
SunOpta	SR 129	1.8	Yellow	46.2	39.6	59.3	48.4					X	X
SunOpta	SR 20	-	-	44.8	41.3	50.1	45.4						
University of Minnesota	M08-365100	1.5	Grey	45.7	46.7	55.7	49.3						X
University of Minnesota	M07-297007	1.7	Black	34.9	43.9	60.6	46.4					X	X
University of Minnesota	M08-369100W	-	-	38.4	44.4	56.5	46.4						
University of Minnesota	M10-237102	-	-	34.1	39.5	48.4	40.7						
GRAND MEAN				46.9	47.0	62.4	52.1						
Max. Mean				60.4	57.3	73.9	62.0						
Min. Mean				32.7	35.4	48.4	40.7						
LSD				8.4	8.1	11.1	5.3						
CV				10.7	10.3	10.7	10.7						

*Varieties included in previous reports. Previous results for yield, % oil, % protein, maturity days after planting, height and seeds/lb available for reference. Previous reports are available at

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