

Michigan non-GMO Soybean Varieties

Soybean research at Michigan State University (MSU) is a collaborative effort between the Michigan Soybean Promotion Committee (MSPC) and MSU's AgBio Research. Intended outcomes from such investments are: non-GMO food and feed grade variety development; modified soybean oil variety development; and, germplasm development for addressing unique Michigan production challenges.

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MSU Variety Trials:

www.varietytrials.msu.edu/soybean

E10174 Michigan Organic Soybean Variety											
Yield Information				Variety Characteristics							
Yield Year	Ave. Variety	Ave. Trial	# Sites	Maturity	Protein/Oil % @ 13% moisture		# Seeds per lb.	Plant Type	Target Mkt.	Hilum Color	Flower Color
					Protein	Oil					
2015	59.3	51.8	4	2.9	35.4	17.1	2378	Upright	Grain/Food	Clear	White
2016	70.6	56.8	3	2.7	35.8	18.1	2044	Upright	Grain/food	Yellow	White

Year	Pubescence	Pod	Shatter	Plant Height	Standability	Soil Type	Phyto Res	SCN Res	SDS Res	White Mold	SBA
2015	Gray	Gray	No	38	2.8	All	-	PI88788	1	2	-
2016	Gray	Gray	No	37	2.8	All	-	PI88788	1	2	-

Variety Insect/Disease Characteristics:

Phytophthora resistance: Rps genes
Soybean Cyst Nematode: Source of resistance incorporated in variety (e.g. PI88788)
White Mold: Resistant (1); Moderately Resistant (2); Susceptible (3)
Soybean Aphid: Resistant (1); Moderately Resistant (2); Moderately Susceptible (3); Susceptible (4)
Soybean Death Syndrome: Resistant (1); Moderately Resistant (2); Moderately Susceptible (3); Susceptible (4)
Not Available: n/a
Dash (-): Insufficient data to evaluate

2015 Yield Information

Site Location	Yield Range max—min	LSD 0.05	E10174 Yield bu/a
Kalamazoo	61.6—40.7	9.1	51.8
Lapeer	69.0—26.9	15.3	64.4
Tuscola	74.6—46.9	7.8	63.5
Gratiot	65.5—26.5	12.0	58.4

2016 Yield Information

Yield Range max—min	LSD 0.05	E10174 Yield bu/a
70.8—48.3	6.8	68.5
67.6—34.1	8.4	66.9
77.4—39.2	13.3	76.5

