2026 Michigan State Wheat Performance Trials

Photo: Wheat Performance Trials, Tuscola County



MICHIGAN STATE UNIVERSITY | Extension

MICHIGAN WHEAT PROGRAM

2026 Michigan State Wheat Performance Trials

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Last September – December had below normal rainfall, which exacerbated drought conditions. By October 14, 2025, 68% of the state was on the U.S Drought monitor. Wheat planting remained on par with normal according to the USDA Crop Weather Reports. Early planted wheat where soil moisture was adequate for germination and emergence, tillered out well and looked good going into dormancy. However, most growers reported that despite near normal temperatures, wheat growth was slow in the fall and tillering was reduced as a result.

The wheat crop in Michigan overwintered well, despite much below normal temperatures during several periods over the winter. Snow cover helped the crop to make it through into the spring. April rainfall was as much as 440% above April 2025 (see Fig. 1). This caused ponding and waterlogged soils. Sandy soils and fields with adequate tile drainage survived with minor damage. Others suffered with poor root growth, slower nutrient uptake and low areas that were completely dead.

Disease pressure was relatively low this year. Septoria and powdery mildew could be found in most fields, but levels of infection remained low. Stripe rust appeared early in Ontario, which concerned MI growers. Some areas did experience high stripe rust levels, but most parts of the state saw very little or no infection. Several late season frost events caused damage to some tillers in many fields. This, coupled with the very wet April caused early death on some tillers. Most fields had sooty mold by harvest time with farmers reporting black combines all across the state.

Armyworm caught several growers by surprise with very high levels, stripping the leaves off plants and even eating the awns on awned varieties. Moth trap captured spiked in late May/early June. Some growers caught the armyworm early enough to spray an insecticide while others caught it too late and the damage was already done. Cereal leaf beetle populations seem to be increasing in the state each year. It used to be hard to find cereal leaf beetles, but now you can find them in almost all fields.

At harvest, crop quality was initially high with no reports of fusarium head blight. Test weights were generally above average with some growers reporting an incentive payment for high test weight values. There were a few hot spots where falling number was low. It remained dry through much of the harvest period, so Preharvest Sprout (PHS) is not likely the culprit. More likely the cause was Late Maturity Amylase (LMA) activity. This phenomenon is caused by a large swing between daily high and daily low temperatures. There was a week of hot weather in the third week of June, followed by a much cooler period. Temperatures dropped from the low 90's to 70's, with overnight lows dropping into the low 50's. This swing in temperature is enough to trigger amylase activity in the seed, causing low falling numbers in some areas. Wheat MUST be in the soft dough stage for LMA to occur.

Figure 1. Number of days above 90 F, 85 F and rainfall data from Michigan Automated Weather Station Network, MSU for three of the MSU Wheat Variety Trial Locations for the 2024, 2025 and 2026 growing seasons. 2026 data was reported through July 19, 2026.

	2024			2025			2026		
	Pigeon	Richville	Mason	Pigeon	Richville	Mason	Pigeon	Richville	Mason
Above 90 F	3	1	2	6	4	6	5	7	9
Above 85 F	10	9	14	16	15	20	14	16	21
April (in)	2.2	2.8	2.5	1.1	3.7	3.0	4.7	5.9	5.6
May (in)	2.8	4.1	2.8	1.7	4.5	3.9	0.9	0.8	1.6
June (in)	2.2	3.9	3.9	7.1	3.9	3.6	5.4	4.5	3.3
July (in)	3.5	3.2	4.7	1.0	1.9	1.4	0.7	1.5	0.7

Choosing Varieties
Variety selection is best made using at least three years of data. Varieties selected using data across all locations and multiple years will likely perform well under a wide range of conditions; although, performance of a given variety will vary based on testing location. In selecting varieties for a specific location, it is important to identify varieties that perform well near the location where the variety will be grown. Table 1 provides information on which varieties are top performers in each of the reported trial locations in 2024 through 2026. Selection and planting of two or more varieties is recommended. As an example, planting varieties that differ in heading date can allow for staggering of management applications, specifically, fungicides to control Fusarium head blight. When selecting varieties, look at disease resistance as well as yield potential.

Disclaimer: MSU *makes no endorsement of any wheat variety or brand*.

Experimental Design
The 2026 State Wheat Performance Trial entries were planted in 7 counties: Gratiot, Allegan, Ingham, Huron, Monroe, Sanilac and Tuscola. Appendix A (below) presents information on each of these sites. Each plot contained 6 rows with 7.5" row spacing and was planted to a length of 16 feet. Plots were trimmed to a length of 12 feet long in the spring for harvesting purposes. Sites were designed as Alpha Lattice with three replications. All seed was treated, but the chemicals and rates used varied according to the preferences of the originating organization. Seeding rates per linear foot of row were standardized to the rate that would equate with a stand of 1.5 million seeds per acre in a solid stand planted in 7.5" rows. Fall fertilizer application varied with cooperator practice.

All sites received split nitrogen application (60 pounds at Feekes 4-5 and 60 pounds at Feekes 6-7), sulfur was applied (24 pounds) with the first nitrogen application, fungicide application (T3) and herbicide application to control weeds.

All plots within a location were harvested on a single day (except Allegan). Yield was calculated using the entire area of the plot including the wheel tracks between plots leading to an underestimation of yield. For data reported on a 0-9 scale 0 is the best possible score. Data is not being reported for Monroe County due to combine errors which delayed harvest beyond one day, then rainfall prevented harvest for two more days.

Five of our experimental sites are on private farmland. We are extremely grateful to those growers for accommodating our work and all the associated inconveniences. Funding for the high-management trial inputs was provided by the Michigan Wheat Program. Questions and comments regarding the research reported here should be directed to Dennis Pennington at pennin34@msu.edu or (269) 832-0497. This report and previous reports, may also be accessed through the Web at http://www.varietytrials.msu.edu/wheat .

Multi-Year Performance Summary
The full trial included 129 entries (77 of which were experimental lines) from 11 organizations, including Michigan State University, and data analyses were conducted using all of these entries. Attached to this narrative is a list of the names and contact information for those organizations. Each row in these tables has data for a single entry. The columns contain averages for a given trait and time period. Data for all the entries in this trial are not presented here. However, the averages and statistical parameters in this report are based on the entire set of evaluated materials. **Comparisons among entries are only valid within a column**. Tables 1 and 2 are sorted first by grain color, and then in descending order by overall yield for 2026. Tables 3 and 4 are sorted in alphabetic order by company and entry name. In some instances (e.g. yield), data columns to the right of the 2026 data columns are multi-year averages. Only data for entries included in all the relevant years' tests are found here. Not all entries have been tested in all years, so the tables have several blank cells. See the section titled 'Experimental Design' for details on how the trials were conducted and for more detail on what the data in each column represents.

At the bottom of most columns in the tables is the trial average (mean), LSD (least significant difference), and CV (coefficient of variation) for data in that column. LSD values vary among traits and data sets (combinations of sites and years). Differences between the means for two entries that are greater than the LSD for that column are very likely to reflect a genuine difference between the two varieties. If the difference between two means is smaller than the LSD for that column, one should conclude that there is **no evidence that those entries are different for that trait** in the years and sites considered.

Table 1 contains yield data. This data was acquired electronically on the plot combine at the time of harvest using a Harvest Master II from Juniper Systems. Yield data is standardized to 13.5% moisture. The 2026 yield data contains the multi-year yield averages of for entries included in all of the relevant years' tests.

Table 2 contains test weight and percent moisture for all locations along with the overall average across locations.

Table 3 contains data on resistance to Fusarium Head Blight (FHB, scab). Once 2026 data from the lab are back, this report will be updated. Scab data were obtained from heavy disease pressure in an inoculated scab screening nursery. FHB infected grain is spread to provide inoculum and artificial misting provides disease-promoting conditions throughout the entire flowering period. 2026 grain samples will be submitted for DON analysis and will be reported later. Spikes were sampled from two replicates of the Ingham County site for **Falling Number (FN).** Spikes were harvested at physiological maturity and dried five days and then subjected to misting in the greenhouse for 48 hours. Whole meal flour was milled from misted grain using a coffee grinder. FN was then evaluated in two technical replicates on each biological replicate.

The **heading date** indicates the average number of days past January 1st that a given entry reached the point where ½ of its heads were emerged past the auricles of the flag leaf. **Plant height** is reported as the distance in inches from the ground to the tip of average heads in a plot.

FHB Resistance Traits
Severity: The average percent of infected spikelets in each head.
DON: Levels of mycotoxin (ppm) present in grain. DON data is from the 2025 crop year.

Levels of DON and severity are the most reliable traits to be used in selecting FHB-resistant varieties.

Lodging was rated for the percentage of each plot that plants were not completely erect and standing (**Lodging %** column), the angle to which plants were leaning in degrees from upright (90 degrees would be flat on the ground, 45 degrees would be half way over to the ground) and is reported in **Lodging Angle Degree** column. The **Lodging Score** column is calculated by multiplying the Lodging % x Lodging Angle Degree / 90. A low score means there was only minor lodging or plants leaning slightly. A larger number indicates higher amount of plants lodged and the closer to the ground. A Lodging Score of 100 would mean that every plant was completely laying on the ground.

Table 4 contains data for **milling and baking quality**. Quality data are from the 2025 harvest season and prior. Data were generated by the USDA Eastern Soft Wheat Quality Laboratory in Wooster, Ohio on grain harvested from the Michigan State Variety trial each year. Flour yield is the ratio of the weight of extractable flour to the weight of milled grain, expressed as a percentage. Percent protein in flour is adjusted at 14% moisture. Softness equivalent percent is the softness of the flour, with higher values indicating softer grained wheat. For cookie diameter, a larger diameter is better. Whole grain protein (%) and whole grain hardness are reported with 0-100, and higher values indicating harder wheat. The quality lab test weight is not identical to the test weight at harvest due to grain drying and grain cleaning prior to quality laboratory test weight evaluation. Solvent Retention Capacity (SRC) can be conducted on flour using several different solvents and reflects different characteristics of flour quality. Soft wheat flour for cookies typically have a target of 95% or less when used by the US baking industry for biscuits and crackers. Sodium carbonate SRC increases as starch damage due to milling increases. Normal values for good milling soft varieties are 68% or less. Lactic acid measures gluten strength with “weak” soft varieties having values below 85% and strong gluten soft varieties having values, typically, above 105% or 110%.

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Appendix A. Trial Site Descriptions for 2026 MSU Wheat Performance Trials.

	FUSARIUM HEAD BLIGHT NURSERY	HURON COUNTY	GRATIOT COUNTY	Monroe COUNTY	SANILAC COUNTY	TUSCOLA COUNTY	INGHAM COUNTY	ALLEGAN COUNTY
COOPERATOR	Michigan State University	Darwin Sneller	Wallace Loewen	Brad Kamprath	Bartle	Saginaw Valley Research and Extension Center	Michigan State University	Nick Suwyn
NEAREST CITY	Lansing	Sebewaing	Middleton	Ida	Brown City	Richville	Mason	Wayland
PLANTING DATE	October 6, 2025	October 13, 2025	September 30, 2025	October 3, 2025	October 2, 2025	September 20, 2025	September 19, 2025	September 30, 2025
HARVEST DATE	N/A	July 17, 2026	July 13, 2026	July 9, 2026	July 14, 2026	July 16, 2026	July 12, 2026	July 11, 2026 - July 15, 2026
SOIL TYPE	Capac loam, 0 to 4 percent slopes & Colwood-Brookston loams	Kilmanagh Loam	Dixboro fine sandy loam, 0 to 3 percent slopes	Pewamo clay loam	Parkhill Loam and clay loam, 0 to 2 percent slopes	Tappan-Londo loams, 0 to 3 percent slopes	Conover loam, 0 to 4 percent slopes	Ockley loam, 1 to 6 percent slopes
PRE-PLANT FERTILIZER	100# 11-52-0 100# 0-0-60	230#/a 8-17-27-7.5 S + 0.43 Zn	250 # 8-18-28 4.8 S	350# 3-17-24 + 2 S + 3 MN	2000 # 4-3-0	20# N, 36# P, 59#K2O, 10.7# S, 0.6# Ca, 4.5# Mg, 1.2# Zn, 0.6# Mn, 0.35# B	35.3 # N 164.5 # P 27.8 # K	30# 46-0-0, 50# 21-0-0 + 24 S, 125# 0-0-60
COMMENTS	Inoculated / Misted Fusarium Head Blight Screening Nursery.	Additional 60 lbs. Nitrogen Applied	Additional 60 lbs. Nitrogen Applied	Additional 60 lbs. Nitrogen Applied	Additional 60 lbs. Nitrogen Applied	Additional 60 lbs. Nitrogen Applied	Additional 60 lbs. Nitrogen Applied, T3 Fungicide Applied	Additional 60 lbs. Nitrogen Applied, T2/T3 Fungicide Applied
AVERAGE YIELD (BUSHELS / ACRE)	N/A	105.5	106.1	N/A	124.5	107.4	118.4	93.0
AVERAGE PERCENT GRAIN MOISTURE AT HARVEST	N/A	15.1	13.1	N/A	13.1	13.1	15.5	14.3
AVERAGE TEST WEIGHT (LBS. / BUSHEL)	N/A	60.6	58.5	N/A	59.4	57.7	55.9	55.4
2026 DATA RECORDED (NUMBER OF REPS)	3	3	3	3	3	3	3	3
T2/T3 FUNGICIDE APPLICATION DATE	N/A	N/A	N/A	N/A	N/A	N/A	T3: 5/16/2026	T2: April 23, 2026 & T3: May 22, 2026
FLOWERING FUNGICIDE APPLICATION DATE	N/A	June 4, 2026	June 1, 2026	May 28, 2026	June 4, 2026	June 1, 2026	May 28, 2026	May 28, 2026
GREEN-UP FERTILIZER	90lbs Nitrogen 20 lbs Sulfur	60 lbs Nitrogen 20lbs Sulfur	60 lbs Nitrogen 20lbs Sulfur	60 lbs Nitrogen 20lbs Sulfur	60 lbs Nitrogen 20lbs Sulfur	60 lbs Nitrogen 20lbs Sulfur	60 lbs Nitrogen 20lbs Sulfur	60 lbs Nitrogen 20lbs Sulfur

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Table 1 : Multi-Year Performance Summary

** Tables sorted by 2026 High Management Yield, white wheat grouped before red

*** Yield (Bu/A adjusted to 13.5% Moisture)

Line Name	Seed Color	Overall (across all sites)				Allegan		Central MI		Huron				Ingham		Sanilac				Tuscola			
		2026		2 Yr Avg	3 Yr Avg	2026		2026		2026		2 Yr Avg	3 Yr Avg	2026		2026		2 Yr Avg	3 Yr Avg	2026		2 Yr Avg	3 Yr Avg
		Bu/A	Rank	25-26	24-26	Bu/A	Rank	Bu/A	Rank	Bu/A	Rank	25-26	24-26	Bu/A	Rank	Bu/A	Rank	25-26	24-26	Bu/A	Rank	25-26	24-26
Dyna-Gro 9742W	W	115.8	1	--	--	103.0	1	114.2	1	106.1	5	--	--	124.0	2	127.2	6	--	--	120.0	1	--	--
MI22W213	W	112.3	2	115.1	--	92.4	6	112.7	3	109.5	1	117.2	--	122.9	4	128.0	3	117.6	--	108.4	7	110.5	--
KWS687	W	111.1	3	--	--	91.5	7	111.3	6	103.3	13	--	--	122.6	5	126.0	8	--	--	111.8	4	--	--
Dyna-Gro 9641W	W	110.2	4	114.1	--	90.3	11	113.5	2	103.9	10	117.8	--	119.4	13	127.2	5	116.5	--	107.0	8	108.2	--
MI23W180	W	109.8	5	--	--	89.8	13	112.4	4	104.5	8	--	--	119.6	12	127.6	4	--	--	104.9	14	--	--
KWS634	W	109.7	6	--	--	88.2	14	95.3	19	109.4	2	--	--	120.5	10	128.3	2	--	--	116.5	2	--	--
MI24W221	W	109.2	7	--	--	90.8	10	98.9	17	105.0	6	--	--	121.7	7	124.1	9	--	--	114.5	3	--	--
KWS685	W	108.8	8	--	--	93.6	5	109.6	7	103.6	12	--	--	118.2	15	121.7	14	--	--	106.3	10	--	--
MI24W116	W	108.8	9	--	--	86.7	15	104.2	14	101.5	18	--	--	126.2	1	133.1	1	--	--	100.9	17	--	--
Dyna-Gro 9242W	W	108.7	10	112.0	109.3	98.5	2	107.4	9	99.1	19	113.5	112.0	115.5	16	126.4	7	117.1	114.3	105.0	13	105.3	101.7
MCIA 24006	W	108.5	11	114.5	--	81.4	18	111.8	5	109.0	3	119.6	--	121.4	8	120.6	15	115.9	--	106.6	9	108.1	--
MSU 609W	W	108.4	12	112.2	--	91.2	9	107.4	10	103.9	11	114.3	--	122.4	6	122.6	12	114.3	--	102.8	16	108.0	--
AgriMAXX Mackinaw	W	108.3	13	111.3	108.6	91.2	8	105.8	11	104.2	9	113.9	111.4	120.9	9	122.2	13	111.8	109.0	105.5	12	108.2	105.4
AgriMAXX Bad Axe	W	108.0	14	114.9	--	98.2	3	104.5	13	102.4	14	115.7	--	114.3	17	119.7	17	114.3	--	109.0	6	114.8	--
DF 284 W	W	108.0	15	109.5	108.9	90.2	12	105.6	12	102.1	15	113.5	114.1	122.9	3	117.1	19	106.2	107.3	110.1	5	108.9	105.4
MCIA White Lightning	W	106.5	16	112.1	111.1	83.6	17	107.9	8	101.7	16	114.6	114.8	120.3	11	119.8	16	112.6	111.6	106.1	11	109.1	107.1
DF 271 W	W	106.2	17	108.7	108.0	94.7	4	98.6	18	107.1	4	115.7	114.9	113.5	18	118.8	18	101.9	103.1	104.6	15	108.6	106.0
Jupiter	W	106.0	18	109.6	107.8	84.7	16	102.1	16	104.9	7	115.9	114.4	119.2	14	124.1	10	112.8	111.6	100.8	18	100.2	97.5
Whitetail	W	101.8	19	109.0	108.1	72.1	19	102.8	15	101.7	17	114.8	113.5	113.1	19	123.9	11	111.8	110.9	96.9	19	100.4	100.0
DF 144 R	R	117.6	1	119.1	115.7	111.3	3	108.4	22	112.8	2	123.0	120.2	121.7	14	127.8	16	120.3	117.5	123.1	1	114.1	109.4
Dyna-Gro 9771	R	117.1	2	--	--	100.9	12	108.2	24	118.0	1	--	--	120.3	27	139.4	1	--	--	115.9	7	--	--
Dyna-Gro 9422	R	116.6	3	116.9	113.8	104.6	6	107.9	27	111.4	5	119.2	118.1	126.5	3	129.5	10	116.0	112.6	119.8	2	115.6	110.8
ISF EXP2506	R	115.6	4	118.7	--	115.1	2	103.8	44	104.7	42	119.9	--	123.5	7	133.6	2	119.5	--	112.6	13	116.6	--
Dyna-Gro 9533	R	115.0	5	120.5	115.7	103.7	9	110.2	11	112.2	3	121.7	118.5	120.4	24	125.5	29	123.7	118.0	118.2	4	116.0	110.6
ISF EXP2504	R	115.0	6	--	--	104.5	7	103.8	43	110.3	9	--	--	128.0	1	126.8	23	--	--	116.3	6	--	--
AgriMAXX 576	R	114.7	7	--	--	104.8	4	108.0	26	109.5	13	--	--	124.5	6	125.4	30	--	--	115.7	8	--	--
Synergy Emily	R	114.3	8	--	--	117.0	1	110.5	8	107.0	30	--	--	120.5	22	124.7	32	--	--	105.9	36	--	--
KWS585	R	114.1	9	--	--	98.6	17	110.4	9	111.4	4	--	--	120.4	25	128.4	13	--	--	115.2	9	--	--
KWS661	R	113.8	10	--	--	96.5	24	114.3	3	109.3	16	--	--	121.3	18	129.9	8	--	--	111.2	20	--	--
DF 106 R	R	113.4	11	--	--	97.5	19	110.0	13	111.3	6	--	--	127.0	2	127.7	17	--	--	106.9	34	--	--
FS 617	R	113.0	12	114.7	--	102.1	10	106.7	36	105.6	35	117.2	--	119.7	29	132.9	4	120.8	--	110.8	22	106.1	--
MCIA Ember	R	112.9	13	--	--	99.0	15	104.5	41	107.1	29	--	--	126.1	4	128.5	12	--	--	112.1	14	--	--
KWS680	R	112.9	14	--	--	101.8	11	102.9	48	109.5	14	--	--	124.7	5	121.7	45	--	--	116.7	5	--	--
MI24R270	R	112.8	15	--	--	95.2	30	108.5	19	108.2	24	--	--	119.7	30	133.1	3	--	--	112.1	15	--	--
MI24R021	R	112.7	16	--	--	96.8	22	115.0	2	108.7	19	--	--	120.4	23	126.7	24	--	--	108.7	24	--	--
AgriMAXX 575	R	112.7	17	119.8	--	97.7	18	105.8	38	109.2	17	122.2	--	122.6	12	128.8	11	123.0	--	112.0	16	114.1	--
MI24R272	R	112.1	18	--	--	94.2	34	115.3	1	108.3	23	--	--	113.6	49	129.7	9	--	--	111.3	19	--	--
Synergy Kessler	R	111.9	19	115.1	--	99.4	14	103.4	45	108.4	21	120.7	--	121.3	17	127.1	20	116.4	--	111.7	17	108.2	--
18VTK10-23	R	111.7	20	--	--	103.7	8	107.4	32	107.9	26	--	--	116.1	45	128.2	14	--	--	107.1	33	--	--
AgriMAXX 545	R	111.4	21	114.6	111.8	97.4	20	108.4	23	110.1	11	121.9	118.4	121.5	15	125.6	27	114.9	112.3	105.6	40	107.1	104.7
MI20R0012-3	R	111.3	22	--	--	88.1	48	106.2	37	108.3	22	--	--	118.6	37	127.8	15	--	--	118.6	3	--	--
MCIA Marlin	R	111.0	23	113.4	110.3	100.1	13	108.5	20	104.8	41	119.0	116.7	116.7	44	124.2	33	109.3	106.8	111.6	18	112.0	107.5
Dyna-Gro 9231	R	110.9	24	114.9	--	95.6	27	104.1	42	107.5	27	119.3	--	122.7	10	132.4	5	120.7	--	102.8	45	104.6	--
MCIA Flipper	R	110.6	25	115.2	112.0	95.6	26	108.7	18	109.9	12	117.8	117.4	118.5	39	123.3	39	115.8	112.9	107.7	29	111.9	105.7
MCIA Barracuda	R	110.6	26	114.8	110.3	93.7	37	112.3	4	110.4	7	118.8	114.5	115.8	46	125.6	28	117.6	112.9	105.8	37	107.9	103.6
MCIA Redfin	R	110.3	27	115.5	113.0	93.8	36	108.2	25	110.4	8	121.3	119.3	118.9	33	127.3	19	118.4	116.0	102.9	44	106.7	103.6
Dyna-Gro 9632	R	110.1	28	116.3	--	94.5	33	107.7	29	109.5	15	120.7	--	112.3	51	125.9	26	116.1	--	110.9	21	112.2	--
MCIA 24004	R	110.1	29	117.1	--	96.7	23	101.1	50	109.1	18	120.4	--	122.1	13	123.9	36	120.5	--	107.6	30	110.5	--
FS 600	R	110.0	30	114.6	111.3	95.4	28	107.5	31	104.9	40	117.0	114.7	122.6	11	124.1	35	117.3	113.8	105.7	39	109.5	105.5
MI24R148	R	109.9	31	--	--	104.7	5	107.7	30	102.5	46	--	--	121.4	16	120.8	48	--	--	102.7	46	--	--
FS 743	R	109.9	32	114.2	112.8	95.2	31	110.9	6	100.9	51	114.2	113.1	118.3	40	126.2	25	119.3	114.9	107.9	28	109.2	109.2

2026 Michigan State University Wheat Performance Trials

Table 1 : Multi-Year Performance Summary

** Tables sorted by 2026 High Management Yield, white wheat grouped before red

*** Yield (Bu/A adjusted to 13.5% Moisture)

Line Name	Seed Color	Overall (across all sites)				Allegan		Central MI		Huron				Ingham		Sanilac				Tuscola			
		2026		2 Yr Avg	3 Yr Avg	2026		2026		2026		2 Yr Avg	3 Yr Avg	2026		2026		2 Yr Avg	3 Yr Avg	2026		2 Yr Avg	3 Yr Avg
		Bu/A	Rank	25-26	24-26	Bu/A	Rank	Bu/A	Rank	Bu/A	Rank	25-26	24-26	Bu/A	Rank	Bu/A	Rank	25-26	24-26	Bu/A	Rank	25-26	24-26
MI24R020	R	109.8	33	--	--	97.2	21	98.7	51	105.0	37	--	--	123.1	9	121.8	43	--	--	112.9	12	--	--
DF 195 R	R	109.8	34	115.7	--	94.6	32	103.3	46	106.8	31	119.5	--	118.7	36	122.0	42	111.0	--	113.2	11	116.6	--
KWS606	R	109.7	35	--	--	89.7	46	109.3	16	100.4	52	--	--	121.0	19	130.2	7	--	--	107.9	27	--	--
DF 131 R	R	109.6	37	115.5	111.6	89.8	45	110.4	10	106.0	33	118.0	114.5	117.2	42	132.1	6	122.0	117.1	102.0	48	106.5	103.3
MI24R063	R	109.6	37	--	--	92.9	41	110.0	12	106.1	32	--	--	119.1	31	123.4	38	--	--	105.8	38	--	--
Blue River 801	R	109.3	39	111.9	109.7	90.1	44	106.7	35	105.6	34	117.0	113.8	123.4	8	122.9	41	112.6	112.3	107.3	32	106.1	103.1
FS 766	R	109.3	39	--	--	91.7	42	109.9	15	108.4	20	--	--	--	--	127.4	18	--	--	--	--	--	--
FS 765	R	109.3	40	--	--	89.1	47	110.9	5	110.2	10	--	--	--	--	127.0	21	--	--	--	--	--	--
18VTK10-188	R	109.3	41	--	--	95.3	29	109.9	14	107.2	28	--	--	115.0	48	123.5	37	--	--	104.8	43	--	--
VA23W-432	R	108.8	42	--	--	93.7	38	103.0	47	102.2	47	--	--	118.6	38	126.8	22	--	--	108.3	25	--	--
MCIA Wharf	R	108.6	43	113.1	110.8	95.7	25	107.1	34	105.0	38	118.0	116.2	120.1	28	116.4	53	113.3	112.0	107.4	31	107.9	104.2
MCIA Titan	R	108.5	44	115.0	--	91.2	43	107.9	28	105.0	39	117.1	--	120.5	21	121.3	46	117.7	--	105.3	41	110.1	--
MCIA Thunder	R	108.5	45	113.3	--	94.1	35	98.5	52	103.3	45	117.8	--	120.7	20	125.0	31	109.0	--	109.0	23	113.1	--
Dyna-Gro 9570	R	108.1	46	112.9	109.3	93.6	39	102.3	49	108.0	25	117.9	115.5	118.8	35	117.7	52	110.6	106.0	108.1	26	110.2	106.4
Dyna-Gro 9762	R	108.0	47	--	--	98.8	16	110.5	8	101.6	49	--	--	117.4	41	119.2	49	--	--	100.8	50	--	--
MI20R0210	R	107.9	48	114.4	111.7	83.7	51	107.1	33	98.9	53	115.1	114.9	120.3	26	124.1	34	114.6	112.4	113.4	10	113.6	107.7
AgriMAXX 555	R	106.8	49	108.6	--	93.6	40	108.9	17	103.8	43	114.6	--	115.0	47	121.7	44	112.1	--	97.7	51	99.2	--
KWS671	R	106.2	50	--	--	81.7	53	105.0	40	103.5	44	--	--	118.9	34	121.2	47	--	--	106.6	35	--	--
Dyna-Gro 9172	R	106.1	51	114.5	111.7	84.4	50	108.5	21	101.3	50	116.7	116.3	117.1	43	123.1	40	118.9	115.2	102.5	47	108.0	103.6
Synergy 2601	R	105.7	52	--	--	84.8	49	105.4	39	105.5	36	--	--	119.0	32	118.2	51	--	--	101.5	49	--	--
Sunburst	R	102.7	53	108.5	106.4	83.5	52	93.8	53	102.0	48	111.7	110.4	113.5	50	118.4	50	112.6	108.1	105.0	42	101.2	100.6
	Mean	109.1		113.8	110.8	93.0		106.1		105.5		117.4	115.4	118.4		124.5		114.7	111.7	107.4		109.1	105.3
	LSD	2.8		3.1	2.3	10.0		10.0		5.2		3.6	3.0	2.8		5.7		6.6	4.6	11.1		5.1	3.9
	CV	2.7		2.3	2.2	6.7		5.9		3.1		1.2	1.6	1.5		2.9		2.0	2.0	6.4		3.2	2.9

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Table 2. Multi-Location Performance Summary for Test Weight and Percent Moisture.

Line	Seed Color	Overall		Allegan		Central MI		Huron		Ingham		Sanilac		Tuscola	
		% Moist	TW	% Moist	TW	% Moist	TW	% Moist	TW	% Moist	TW	% Moist	TW	% Moist	TW
AgriMAXX 545	Red	14.2	57.6	14.1	56.2	13.2	57.9	14.7	59.8	16.4	55.2	13.3	58.9	13.4	57.4
AgriMAXX 555	Red	14.0	57.6	14.1	55.5	13.1	57.6	15.0	60.2	15.8	55.5	13.0	59.6	13.0	57.2
AgriMAXX 575	Red	14.2	57.6	14.7	56.7	13.3	58.1	15.9	59.7	14.4	55.1	13.8	59.0	13.2	56.8
AgriMAXX Bad Axe	White	14.6	57.9	15.9	54.6	13.0	58.9	15.0	61.3	16.5	55.4	14.1	59.5	13.2	57.5
AgriMAXX 576	Red	14.1	59.1	14.3	56.2	12.8	59.3	14.8	62.3	16.4	57.2	13.0	60.7	13.3	58.7
AgriMAXX Mackinaw	White	14.5	57.0	14.3	55.4	13.8	57.2	15.8	58.6	15.8	55.7	13.4	58.2	13.9	57.1
Blue River 801	Red	13.9	58.4	13.0	56.4	13.4	58.8	15.1	60.5	16.0	56.4	13.0	60.2	13.1	58.2
DF 106 R	Red	13.8	58.2	13.9	55.5	12.5	59.0	15.2	61.0	15.4	56.3	12.7	59.5	12.9	57.7
DF 131 R	Red	13.8	58.2	12.8	56.4	13.2	58.9	15.0	61.5	14.2	56.0	14.4	59.4	13.2	57.1
DF 144 R	Red	14.3	57.6	16.2	56.3	12.8	58.2	14.8	59.5	15.6	55.8	13.4	58.9	13.3	57.0
DF 195 R	Red	13.9	57.1	13.3	55.4	13.1	58.0	15.3	59.2	15.7	55.1	12.7	58.9	13.4	56.1
DF 271 W	White	14.3	57.0	15.5	54.3	13.5	56.9	15.2	59.0	14.6	56.1	13.3	58.5	13.8	56.9
DF 284 W	White	14.4	56.7	14.4	54.1	13.6	57.3	15.4	59.5	15.7	54.3	13.9	58.1	13.5	56.9
Dyna-Gro 9172	Red	13.9	58.0	12.7	55.8	12.9	58.8	15.6	60.5	15.8	56.3	13.4	59.9	13.2	56.8
Dyna-Gro 9231	Red	14.1	58.6	14.1	57.1	13.2	59.1	14.8	61.0	15.1	56.8	13.8	59.8	13.6	58.0
Dyna-Gro 9242W	White	14.4	57.9	14.6	55.9	13.1	58.9	15.8	59.9	16.4	54.7	13.0	59.9	13.2	58.3
Dyna-Gro 9422	Red	13.8	58.3	14.2	57.0	13.3	58.7	15.1	60.5	14.4	55.8	12.6	60.0	13.1	58.0
Dyna-Gro 9533	Red	14.0	56.8	14.3	54.1	13.2	57.1	15.6	60.1	15.5	54.4	13.0	58.5	12.7	56.7
Dyna-Gro 9570	Red	14.1	57.1	14.8	55.1	13.0	57.3	15.3	59.6	15.0	55.3	13.7	58.4	12.9	56.8
Dyna-Gro 9632	Red	13.8	58.4	14.1	55.8	12.7	58.3	15.1	61.5	14.8	56.8	13.0	59.7	13.1	58.3
Dyna-Gro 9641W	White	14.4	59.3	15.1	56.8	13.4	60.5	14.5	62.4	15.4	56.5	14.9	60.1	13.2	59.8
Dyna-Gro 9742W	White	14.0	56.8	13.9	55.3	13.1	57.3	15.5	58.6	15.3	55.2	12.9	58.3	13.0	56.4
Dyna-Gro 9762	Red	14.0	57.2	13.7	55.5	13.0	58.1	14.9	59.7	16.4	54.9	13.0	58.9	13.0	56.3
Dyna-Gro 9771	Red	14.2	57.0	14.9	54.9	13.4	56.6	15.1	59.3	15.8	54.9	13.0	59.3	13.0	56.8
FS 600	Red	13.9	59.2	13.6	56.5	12.9	60.2	15.1	62.0	16.1	56.4	12.6	61.1	13.0	58.9
FS 617	Red	13.9	58.9	13.9	57.4	13.0	58.9	14.9	61.7	15.3	57.2	13.1	60.0	13.2	58.4
FS 743	Red	14.1	58.7	14.8	56.6	13.1	59.5	15.0	61.2	15.1	56.6	13.4	60.2	13.2	58.3
FS 765	Red	13.9	59.8	13.8	56.2	13.3	60.2	15.0	62.1	--	--	13.7	60.7	--	--
FS 766	Red	13.8	59.0	13.8	55.5	13.1	59.0	15.1	61.5	--	--	13.1	59.9	--	--
ISF EXP2504	Red	14.1	59.2	14.4	57.2	13.0	59.5	14.8	61.9	16.0	57.4	13.2	60.6	13.2	58.6
ISF EXP2506	Red	14.6	57.6	16.2	56.0	13.4	57.2	15.3	59.3	16.3	56.1	13.4	59.2	13.2	57.8
KWS585	Red	14.4	59.3	15.6	56.5	13.3	60.4	14.8	61.9	16.7	57.4	13.2	60.5	13.0	59.3
KWS606	Red	14.4	58.3	14.2	56.2	13.7	58.8	15.1	61.6	16.3	55.7	13.5	60.3	13.5	57.5
KWS634	White	14.4	57.0	13.7	54.6	13.5	57.0	15.0	60.3	16.9	54.1	14.0	58.8	13.1	56.9
KWS661	Red	14.3	57.7	15.0	55.7	13.3	58.4	15.0	59.9	15.8	55.8	13.5	59.0	13.0	57.2
KWS671	Red	14.1	58.1	13.0	56.8	13.2	58.6	15.2	60.6	15.6	56.2	14.0	58.8	13.5	57.4
KWS680	Red	14.2	57.8	13.8	55.5	13.5	58.1	15.3	60.4	15.9	55.9	13.7	58.5	13.1	58.6
KWS685	White	14.1	57.7	15.3	56.2	13.0	57.9	14.9	59.6	15.9	55.6	12.7	59.4	12.7	57.4
KWS687	White	14.0	57.4	13.0	55.8	13.2	58.1	15.1	60.0	15.5	55.7	13.8	59.0	13.3	56.1
Jupiter	White	13.5	57.4	12.4	53.5	12.8	58.3	14.6	61.6	15.1	54.5	12.8	59.9	13.0	56.9
MCIA Titan	Red	14.3	57.0	16.3	54.6	13.1	57.6	14.7	59.9	15.6	54.4	13.0	59.0	13.0	56.5

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Table 2. Multi-Location Performance Summary for Test Weight and Percent Moisture.

Line	Seed Color	Overall		Allegan		Central MI		Huron		Ingham		Sanilac		Tuscola	
		% Moist	TW	% Moist	TW	% Moist	TW	% Moist	TW	% Moist	TW	% Moist	TW	% Moist	TW
MCIA 24004	Red	14.0	57.3	14.0	55.3	12.9	57.5	15.7	59.9	15.8	54.9	12.7	59.1	12.9	57.0
MCIA 24006	White	14.1	57.3	13.3	53.8	13.1	58.7	15.2	60.8	16.3	54.6	13.8	58.7	13.0	57.1
MCIA White Lightning	White	14.3	56.7	14.1	53.7	13.7	57.1	15.2	59.3	16.0	54.3	13.0	58.4	13.7	57.1
MCIA Ember	Red	14.0	57.6	13.0	55.1	13.2	57.7	15.4	59.5	15.7	56.9	13.2	58.8	13.5	57.4
MCIA Barracuda	Red	14.1	58.4	15.4	57.0	12.9	59.2	14.9	61.0	15.1	56.5	13.1	59.6	13.2	56.9
MCIA Flipper	Red	14.3	57.9	15.3	55.4	13.2	58.6	15.3	60.0	15.5	56.1	13.0	59.5	13.6	57.5
MCIA Marlin	Red	14.4	58.7	15.3	56.4	13.5	59.4	15.5	61.1	15.1	56.4	14.1	60.3	12.9	58.5
MCIA Redfin	Red	13.9	58.4	12.8	56.4	13.3	59.1	15.2	61.5	16.1	56.2	13.1	59.7	12.8	57.6
MCIA Thunder	Red	12.9	57.4	12.9	55.3	8.8	58.0	14.8	59.7	14.3	56.0	13.0	59.0	13.4	56.3
MCIA Wharf	Red	13.9	57.1	14.5	55.0	13.1	57.3	15.0	60.0	14.8	55.1	13.2	58.5	12.8	56.6
MSU 609W	White	14.3	57.3	14.2	53.4	13.1	58.5	15.3	60.0	16.6	54.6	13.0	59.9	13.7	57.5
Sunburst	Red	13.8	60.4	14.4	57.0	13.9	61.1	14.8	63.7	14.4	58.9	12.9	61.3	12.7	60.4
Whitetail	White	13.5	56.9	13.8	52.8	12.7	58.1	15.0	59.6	14.0	55.4	12.7	59.1	12.9	56.6
MI20R0012-3	Red	14.1	58.7	14.0	55.4	13.5	59.2	15.2	61.4	15.0	57.2	14.0	60.0	13.0	58.8
MI20R0210	Red	13.4	58.2	12.5	55.9	12.9	58.5	14.9	60.9	14.7	56.8	12.6	59.4	12.8	57.5
MI22W213	White	13.8	56.9	14.3	55.0	12.6	57.3	15.3	58.8	15.1	55.7	12.7	58.6	12.7	56.0
MI23W180	White	14.1	57.5	15.9	54.4	13.1	58.1	15.0	60.5	14.2	55.3	13.3	59.2	12.9	57.6
MI24R020	Red	13.9	57.3	12.2	53.0	13.2	58.2	15.8	60.2	16.1	55.8	13.2	58.5	13.0	58.0
MI24R021	Red	13.9	58.8	13.8	57.1	13.0	59.3	15.1	61.2	14.7	57.3	13.2	59.8	13.3	58.4
MI24R063	Red	13.7	57.9	13.7	54.4	12.2	58.1	15.1	60.9	15.0	56.8	13.0	59.3	13.3	57.9
MI24R148	Red	14.1	58.6	14.7	56.5	12.8	59.2	14.6	60.9	16.6	56.2	13.2	59.8	12.6	58.8
MI24R270	Red	13.7	58.2	13.5	55.1	13.2	58.7	14.8	60.6	15.3	56.7	12.5	59.6	12.8	58.2
MI24R272	Red	14.1	57.5	16.1	54.0	13.0	58.0	14.8	60.4	15.5	56.3	12.5	58.8	12.9	57.8
MI24W116	White	14.7	56.1	12.9	54.2	13.8	57.7	14.8	61.8	16.3	49.6	16.8	58.7	13.7	54.8
MI24W221	White	14.2	57.2	15.0	54.1	13.1	57.7	15.3	60.4	15.7	55.3	12.9	58.9	13.1	56.5
Synergy 2601	Red	13.7	57.1	13.7	54.9	12.9	58.0	15.2	59.0	15.0	55.4	13.1	58.6	12.7	56.7
Synergy Emily	Red	13.6	58.6	12.6	58.1	12.7	58.9	15.0	61.2	16.2	55.8	12.6	59.6	12.6	57.9
Synergy Kessler	Red	14.0	57.4	14.8	55.2	13.1	58.1	15.0	59.3	15.8	55.3	12.8	59.4	12.7	57.3
18VTK10-23	Red	14.3	60.4	15.8	57.9	13.5	60.9	14.7	62.9	15.3	58.7	13.4	61.7	13.2	60.2
18VTK10-188	Red	13.9	58.9	14.3	56.1	13.1	59.1	14.6	61.4	15.1	57.6	12.9	60.2	13.0	59.2
VA23W-432	Red	13.4	57.9	13.5	55.6	12.7	58.0	14.5	60.9	13.9	56.4	13.3	58.7	12.8	57.9
	Mean	14.1	57.9	14.3	55.4	13.1	58.5	15.1	60.6	15.5	55.9	13.3	59.4	13.1	57.7
	LSD	0.4	0.4	2.7	0.9	1.3	0.5	0.8	0.6	1.8	0.9	1.2	0.4	0.8	0.3
	CV	4.0	0.4	11.9	1.0	6.0	0.5	3.2	0.6	7.2	1.0	5.4	0.4	3.9	0.3

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Table 3. Disease, falling number, lodging, plant height, heading, canopy architecture, physiological maturity, grain fill and canopy architecture rating data.

Line	Seed Color	Chaff	Awn	Fusarium Head Blight				Falling	Stripe Rust	Leaf Rust	Phenotypic Data - 2026 Ingham							
				Severity % 2026	Incidence % 2026	Index 2026	DON ppm 2025	Number 2026	Rating 0-9 scale*	Rating 0-5 scale*	Lodging %	Lodging Angle Degree	Lodging Score	Plant Height (Inches)	Heading Date (Days past Jan. 1)	Physiological Maturity (Days past Jan. 1)	Grain Fill Period	Canopy Architecture
AgriMAXX 545	Red	White	Awned	37.1	92.2	34.7	4.8	243.6	8.5	5.0	30.0	5.0	3.4	33.1	145	178	29	Intermediate
AgriMAXX 555	Red	White	Awned	36.7	92.2	34.3	1.6	221.9	1.3	4.3	0.0	0.0	0.0	34.1	146	180	31	Lateral
AgriMAXX 575	Red	White	Awned	28.1	90.2	25.4	2.6	261.6	1.5	1.3	38.5	10.0	8.6	33	146	181	31	Lateral
AgriMAXX Bad Axe	White	White	Awnletted	39.6	91.9	37.1	4.3	74.0	2.3	0.7	0.0	0.0	0.0	31.8	146	180	30	Intermediate
AgriMAXX 576	Red	White	Awned	29.6	91.5	27.4	--	323.7	0.3	3.7	0.0	0.0	0.0	33.2	146	180	30	Intermediate
AgriMAXX Mackinaw	White	White	Awnletted	35.3	91.4	32.5	7.8	170.4	6.7	5.0	10.5	3.0	0.7	32.6	146	180	30	Intermediate
Blue River 801	Red	White	Awned	31.8	89.6	28.5	--	--	1.0	4.0	0.0	0.0	0.0	33.8	145	179	31	Lateral
DF 106 R	Red	White	Awned	32.0	90.1	28.9	--	238.1	2.3	3.3	0.0	0.0	0.0	32.5	147	181	30	Lateral
DF 131 R	Red	White	Awned	25.3	89.5	23.1	2.1	--	0.3	4.3	7.5	10.0	1.7	32	145	181	32	Lateral
DF 144 R	Red	White	Awned	31.6	92.0	29.4	3.3	237.9	7.3	5.0	7.0	5.0	0.8	32.9	145	180	31	Intermediate
DF 195 R	Red	White	Awnletted	30.4	89.2	27.1	0.9	217.5	5.7	4.0	27.0	12.5	3.4	34.3	145	180	31	Lateral
DF 271 W	White	White	Awnletted	34.4	88.6	30.5	5.9	129.6	3.0	5.0	15.0	3.5	1.2	32.3	147	180	30	Intermediate
DF 284 W	White	White	Awnletted	38.2	94.1	36.2	2.5	153.0	1.0	5.0	32.5	7.5	5.4	31.9	147	181	30	Intermediate
Dyna-Gro 9172	Red	White	Awned	30.2	89.9	27.2	3.9	297.3	4.0	3.7	0.0	0.0	0.0	33.7	145	180	31	Lateral
Dyna-Gro 9231	Red	White	Awned	32.2	90.0	28.8	2.5	278.3	4.0	3.3	0.0	0.0	0.0	35.1	145	179	31	Lateral
Dyna-Gro 9242W	White	White	Awnletted	34.2	91.2	31.5	2.2	--	9.0	4.7	0.0	0.0	0.0	36.2	145	179	30	Lateral
Dyna-Gro 9422	Red	White	Awned	33.7	93.2	31.8	7.2	246.9	9.0	4.7	0.0	0.0	0.0	33.6	145	180	31	Upright
Dyna-Gro 9533	Red	White	Awnletted	23.2	85.4	20.2	0.4	260.6	9.0	4.5	0.0	0.0	0.0	31	146	180	30	Intermediate
Dyna-Gro 9570	Red	White	Awned	30.5	90.5	27.6	1.8	254.1	2.3	5.0	45.5	2.5	2.6	33	144	180	32	Lateral
Dyna-Gro 9632	Red	White	Awned	26.9	88.0	23.5	1.5	248.2	0.3	2.0	0.0	0.0	0.0	32.7	145	181	31	Lateral
Dyna-Gro 9641W	White	White	Awned	33.4	91.4	30.7	5.5	259.2	3.7	3.5	0.0	0.0	0.0	34.6	144	179	31	Lateral
Dyna-Gro 9742W	White	White	Awned	31.1	92.4	29.0	--	235.2	0.7	3.3	0.0	0.0	0.0	32.9	146	181	30	Lateral
Dyna-Gro 9762	Red	White	Awnletted	33.5	92.6	31.2	--	258.8	0.3	4.0	0.0	0.0	0.0	30.8	146	179	30	Lateral
Dyna-Gro 9771	Red	White	Awned	32.7	90.8	29.7	--	307.2	0.3	3.7	85.5	19.0	17.4	33	145	180	31	Lateral
FS 600	Red	White	Awned	31.5	93.8	29.9	2.5	--	1.0	4.3	0.0	0.0	0.0	33.8	145	180	30	Lateral
FS 617	Red	White	Awned	29.4	88.9	26.1	1.4	295.4	2.0	4.7	5.0	25.0	2.8	33.4	146	179	29	Lateral
FS 743	Red	White	Awned	27.0	89.3	23.8	1.3	289.9	0.0	4.0	0.0	0.0	0.0	34.7	144	179	31	Lateral
FS 765	Red	White	Awnless	33.3	88.1	29.0	--	--	6.0	3.7	--	--	--	--	--	--	--	Lateral
FS 766	Red	White	Awned	28.4	89.2	25.3	--	--	1.0	2.0	--	--	--	--	--	--	--	Lateral
ISF EXP2504	Red	White	Awned	32.1	92.1	29.8	--	--	0.7	4.0	0.0	0.0	0.0	33.7	145	180	31	Intermediate
ISF EXP2506	Red	White	Awnletted	27.4	91.2	25.2	0.6	147.0	1.0	1.0	15.0	15.0	5.0	35.2	145	180	31	Lateral
KWS585	Red	White	Awned	28.2	92.2	26.3	--	329.0	--	4.3	0.0	0.0	0.0	32.4	145	180	32	Lateral
KWS606	Red	White	Awned	28.7	89.3	26.1	--	322.8	2.7	1.0	19.0	20.0	8.5	32.3	147	181	30	Lateral
KWS634	White	White	Awnletted	28.0	92.0	26.0	--	250.5	0.3	4.7	5.5	5.0	0.6	34.8	146	180	30	Intermediate
KWS661	Red	White	Awned	28.9	91.7	26.8	--	275.0	3.0	4.3	22.5	32.5	8.9	34.2	145	180	31	Lateral
KWS671	Red	White	Awned	25.2	89.0	22.2	--	298.8	8.0	4.0	0.0	0.0	0.0	33.6	147	182	31	Lateral
KWS680	Red	White	Awnletted	26.8	85.0	22.5	--	277.4	8.0	2.3	25.5	11.6	1.1	31.4	144	179	30	Intermediate
KWS685	White	White	Awned	34.3	92.1	31.9	--	142.2	4.0	4.7	0.0	0.0	0.0	34	147	180	30	Lateral
KWS687	White	White	Awnletted	35.4	90.0	31.7	--	173.4	0.0	5.0	11.0	37.5	9.2	32.3	147	180	29	Lateral
Jupiter	White	Bronze	Awnletted	67.1	94.6	64.1	5.8	86.3	4.3	4.7	0.0	0.0	0.0	33.5	148	182	30	Lateral
MCIA Titan	Red	White	Awnletted	28.5	90.6	26.1	2	245.7	0.7	4.3	0.0	0.0	0.0	31.4	146	180	30	Lateral
MCIA 24004	Red	White	Awnletted	39.1	93.1	37.1	2.5	309.5	9.0	4.7	47.5	6.5	4.1	34.5	146	180	30	Upright
MCIA 24006	White	White	Awned	31.9	92.4	29.9	5.9	167.5	2.7	4.0	0.0	0.0	0.0	34.3	147	181	30	Intermediate
MCIA White Lightning	White	White	Awnletted	35.7	92.6	33.4	3.2	148.8	0.7	4.7	45.5	42.5	6.7	31.4	147	181	30	Intermediate
MCIA Ember	Red	White	Awnletted	26.2	91.3	24.1	--	224.6	1.0	1.0	5.0	5.0	0.6	35.1	145	180	31	Intermediate
MCIA Barracuda	Red	White	Awned	30.0	90.4	27.2	3.2	245.5	1.3	4.0	0.0	0.0	0.0	32.1	145	180	31	Upright
MCIA Flipper	Red	White	Awnletted	41.3	92.8	38.6	3.9	245.6	1.0	5.0	0.0	0.0	0.0	32.4	144	178	30	Intermediate
MCIA Marlin	Red	White	Awnletted	38.8	92.3	36.4	3.9	270.9	2.7	4.7	77.5	15.0	12.9	31.9	145	179	30	Lateral
MCIA Redfin	Red	White	Awned	34.0	93.3	32.4	2.4	292.3	1.0	3.3	0.0	0.0	0.0	33.2	146	181	31	Intermediate
MCIA Thunder	Red	White	Awnletted	29.0	90.7	26.6	1.7	198.0	3.7	4.0	79.0	12.5	11.2	33.8	146	181	31	Lateral
MCIA Wharf	Red	White	Awnletted	35.4	90.9	32.5	4	233.2	7.7	0.3	10.0	17.5	3.9	29.5	145	180	31	Upright
MSU 609W	White	White	Awnletted	56.0	91.1	51.8	5.1	--	4.7	5.0	0.0	0.0	0.0	32.4	145	180	31	--
Sunburst	Red	White	Awnless	35.9	92.6	33.7	3.4	357.8	3.0	0.3	0.0	0.0	0.0	31.5	146	179	29	Upright
Whitetail	White	White	Awnletted	40.5	91.5	37.5	7	74.9	4.7	4.3	22.0	45.0	11.0	34	147	180	29	Lateral
MI20R0012-3	Red	White	Awnless	39.0	92.4	36.4	--	259.9	1.0	2.0	20.0	22.5	10.0	34.6	144	180	32	Lateral
MI20R0210	Red	White	Awned	37.1	89.7	33.3	9.8	251.5	1.0	1.7	25.0	2.5	1.4	31	146	181	31	Lateral
MI22W213	White	White	Awnletted	48.0	92.3	45.2	5.6	77.1	4.0	0.0	0.0	0.0	0.0	31.6	146	180	30	Intermediate
MI23W180	White	White	Awnletted	39.5	90.1	35.6	--	232.5	7.3	4.7	15.0	15.0	5.0	34.6	147	181	30	Lateral
MI24R020	Red	White	Awnletted	35.9	90.1	32.5	--	298.6	0.3	0.0	25.0	10.0	2.5	34.8	145	181	32	Lateral
MI24R021	Red	White	Awned	36.3	91.4	33.6	--	330.4	1.3	0.0	0.0	0.0	0.0	35	144	181	33	Intermediate

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Table 3. Disease, falling number, lodging, plant height, heading, canopy architecture, physiological maturity, grain fill and canopy architecture rating data.

Line	Seed Color	Chaff	Awn	Fusarium Head Blight				Falling	Stripe Rust	Leaf Rust	Phenotypic Data - 2026 Ingham							
				Severity % 2026	Incidence % 2026	Index 2026	DON ppm 2025	Number 2026	Rating 0-9 scale*	Rating 0-5 scale*	Lodging %	Lodging Angle Degree	Lodging Score	Plant Height (Inches)	Heading Date (Days past Jan. 1)	Physiological Maturity (Days past Jan. 1)	Grain Fill Period	Canopy Architecture
MI24R063	Red	White	Awned	36.8	92.0	34.2	--	330.6	2.0	1.7	0.0	0.0	0.0	32.5	145	180	31	Lateral
MI24R148	Red	White	Awned	34.5	91.5	32.1	--	340.6	6.3	0.3	0.0	0.0	0.0	33	143	180	33	Intermediate
MI24R270	Red	White	Awnletted	35.9	92.0	33.2	--	310.8	1.0	3.5	87.0	12.5	12.8	34.2	144	178	29	Upright
MI24R272	Red	White	Awned	35.9	90.2	32.6	--	305.8	8.7	0.0	82.5	12.5	10.7	36.8	145	180	31	Intermediate
MI24W116	White	White	Awnletted	45.0	92.0	41.9	--	324.6	8.0	0.7	5.0	15.0	1.7	31.6	147	182	31	Lateral
MI24W221	White	White	Awnletted	47.1	93.6	44.8	--	118.5	7.7	0.0	40.5	32.5	15.5	34.2	147	181	30	Lateral
Synergy 2601	Red	White	Awnletted	34.1	91.2	31.4	--	260.0	1.7	3.7	0.0	0.0	0.0	29.7	146	180	31	Lateral
Synergy Emily	Red	White	Awned	24.6	91.7	22.8	--	242.1	1.0	4.3	0.0	0.0	0.0	32.7	146	180	30	Lateral
Synergy Kessler	Red	White	Awned	31.0	90.6	28.0	2.6	--	9.0	4.7	0.0	0.0	0.0	33.2	145	178	29	Intermediate
18VTK10-23	Red	White	Awned	28.6	89.0	26.0	--	307.4	1.0	0.0	0.0	0.0	0.0	34.7	143	177	30	Lateral
18VTK10-188	Red	White	Awned	30.0	91.3	27.7	--	328.7	1.2	0.0	0.0	0.0	0.0	33.8	143	177	30	Upright
VA23W-432	Red	White	Awned	32.4	93.1	30.6	--	237.2	6.7	0.7	5.0	5.0	0.6	36.5	145	179	30	Intermediate
			Mean											33.3	180.0	145.0	30.0	
			LSD											1.6	2.0	1.0	2.0	
			CV											3.0	0.6	0.4	3.314	

* Greenhouse 2026.

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Table 4. Milling and baking quality.

** From 2025 harvest season - will be updated when 2026 data is received

Line	Seed Color	NIR Kernel Protein (at 12%)	SKCS Kernel Hardness	Adjusted Flour Yield (%)	Softness Equivalent (%)	Flour Protein (at 14%)	Lactic Acid SRC (%)	Sodium Carbonate SRC (%)	Cookie Diameter (cm)
AgriMAXX 545	Red	8.4	-4.9	70.8	68.9	6.1	102.9	78.1	19.0
AgriMAXX 555	Red	9.4	-1.1	72.5	66.6	7.1	96.7	74.7	19.2
AgriMAXX 575	Red	9.0	-2.3	71.2	65.6	6.1	95.5	76.0	19.3
AgriMAXX Bad Axe	White	7.8	-0.7	72.5	65.3	5.9	71.8	77.1	19.1
AgriMAXX 576	Red	--	--	--	--	--	--	--	--
AgriMAXX Mackinaw	White	8.8	-6.1	71.6	66.3	6.5	100.1	76.3	19.2
Blue River 801	Red	--	--	--	--	--	--	--	--
DF 106 R	Red	--	--	--	--	--	--	--	--
DF 131 R	Red	8.3	-2.8	72.6	68.8	5.5	95.0	78.0	19.1
DF 144 R	Red	9.0	-4.9	71.5	68.6	6.3	103.7	77.4	19.2
DF 195 R	Red	8.5	-0.4	70.2	64.3	5.8	99.7	78.5	19.0
DF 271 W	White	8.9	-8.2	72.0	67.2	6.4	99.1	76.8	18.9
DF 284 W	White	8.6	-3.9	73.9	68.4	6.2	83.5	74.9	19.4
Dyna-Gro 9172	Red	8.4	-2.4	72.2	69.2	5.7	95.8	77.6	19.2
Dyna-Gro 9231	Red	8.9	3.3	71.0	66.0	6.5	103.2	82.8	18.1
Dyna-Gro 9242W	White	8.9	5.1	71.1	65.6	6.1	90.9	75.8	18.6
Dyna-Gro 9422	Red	8.6	4.3	71.3	68.0	6.1	91.1	78.3	19.5
Dyna-Gro 9533	Red	8.9	-0.8	70.2	66.4	6.3	98.1	77.6	19.1
Dyna-Gro 9570	Red	8.9	-2.6	71.9	67.4	6.5	96.5	76.7	19.1
Dyna-Gro 9632	Red	8.5	-0.3	70.2	70.2	5.7	89.9	81.3	19.5
Dyna-Gro 9641W	White	9.3	6.4	73.1	63.9	6.9	76.9	76.6	19.4
Dyna-Gro 9742W	White	--	--	--	--	--	--	--	--
Dyna-Gro 9762	Red	--	--	--	--	--	--	--	--
Dyna-Gro 9771	Red	--	--	--	--	--	--	--	--
FS 600	Red	9.3	10.6	68.8	63.2	7.1	117.9	85.7	18.3
FS 617	Red	8.8	4.3	71.0	67.1	6.3	93.8	75.8	19.5
FS 743	Red	8.9	3.8	70.9	65.9	6.5	104.2	82.1	18.7
FS 765	Red	--	--	--	--	--	--	--	--
FS 766	Red	--	--	--	--	--	--	--	--
ISF EXP2504	Red	--	--	--	--	--	--	--	--
ISF EXP2506	Red	8.9	0.1	71.3	69.5	5.9	105.4	76.5	18.8
KWS585	Red	--	--	--	--	--	--	--	--
KWS606	Red	--	--	--	--	--	--	--	--
KWS634	White	--	--	--	--	--	--	--	--
KWS661	Red	--	--	--	--	--	--	--	--
KWS671	Red	--	--	--	--	--	--	--	--
KWS680	Red	--	--	--	--	--	--	--	--
KWS685	White	--	--	--	--	--	--	--	--
KWS687	White	--	--	--	--	--	--	--	--
Jupiter	White	7.7	-6.2	72.5	68.9	5.3	84.7	77.0	19.7
MCIA Titan	Red	9.1	-5.3	73.9	64.3	6.2	84.0	74.0	19.1
MCIA 24004	Red	8.8	8.4	71.7	64.3	5.9	93.1	75.5	18.7
MCIA 24006	White	9.5	12.2	72.5	62.0	7.0	105.8	78.4	18.2
MCIA White Lightning	White	8.5	0.7	73.4	69.6	6.0	84.4	75.5	19.4
MCIA Ember	Red	--	--	--	--	--	--	--	--
MCIA Barracuda	Red	8.8	2.9	71.9	68.7	6.0	92.2	76.5	19.1
MCIA Flipper	Red	8.7	7.0	73.2	66.3	6.1	87.4	76.8	18.8
MCIA Marlin	Red	8.0	4.1	72.4	66.8	5.8	99.4	77.4	18.7
MCIA Redfin	Red	9.4	31.0	74.7	59.9	7.6	71.7	80.3	17.3
MCIA Thunder	Red	8.5	-1.9	69.6	65.4	5.8	103.1	78.9	18.8
MCIA Wharf	Red	9.0	-1.3	70.1	64.0	6.3	91.8	75.5	19.5
MSU 609W	White	8.3	8.6	72.0	67.0	6.1	103.2	80.3	18.2
Sunburst	Red	9.4	26.1	66.7	61.6	7.2	100.9	86.0	17.5
Whitetail	White	9.4	0.5	72.4	66.6	6.8	96.2	76.4	18.4
MI20R0012-3	Red	--	--	--	--	--	--	--	--
MI20R0210	Red	9.1	0.9	72.2	67.0	6.3	84.3	75.4	18.9
MI22W213	White	9.1	7.6	69.3	66.4	6.7	83.2	84.1	17.6

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Table 4. Milling and baking quality.

** From 2025 harvest season - will be updated when 2026 data is received

Line	Seed Color	NIR Kernel Protein (at 12%)	SKCS Kernel Hardness	Adjusted Flour Yield (%)	Softness Equivalent (%)	Flour Protein (at 14%)	Lactic Acid SRC (%)	Sodium Carbonate SRC (%)	Cookie Diameter (cm)
MI23W180	White	--	--	--	--	--	--	--	--
MI24R020	Red	--	--	--	--	--	--	--	--
MI24R021	Red	--	--	--	--	--	--	--	--
MI24R063	Red	--	--	--	--	--	--	--	--
MI24R148	Red	--	--	--	--	--	--	--	--
MI24R270	Red	--	--	--	--	--	--	--	--
MI24R272	Red	--	--	--	--	--	--	--	--
MI24W116	White	--	--	--	--	--	--	--	--
MI24W221	White	--	--	--	--	--	--	--	--
Synergy 2601	Red	--	--	--	--	--	--	--	--
Synergy Emily	Red	--	--	--	--	--	--	--	--
Synergy Kessler	Red	8.0	-1.7	71.0	68.4	5.6	95.2	78.3	19.3
18VTK10-23	Red	--	--	--	--	--	--	--	--
18VTK10-188	Red	--	--	--	--	--	--	--	--
VA23W-432	Red	--	--	--	--	--	--	--	--

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Table 5. List of entries, seed company and seed treatments applied.

Line Name	Company	Seed Treatment
AgriMAXX 545	AgriMAXX Wheat Company	PRIME ST
AgriMAXX 555	AgriMAXX Wheat Company	PRIME ST
AgriMAXX 575	AgriMAXX Wheat Company	PRIME ST
AgriMAXX 576	AgriMAXX Wheat Company	PRIME ST
AgriMAXX Bad Axe	AgriMAXX Wheat Company	PRIME ST
AgriMAXX Mackinaw	AgriMAXX Wheat Company	PRIME ST
Blue River 801	Albert Lea Seed	CruiserMaxx Vibrance Cereals
DF 106 R	DF Seeds	DFender Wheat
DF 131 R	DF Seeds	DFender Wheat
DF 144 R	DF Seeds	DFender Wheat
DF 195 R	DF Seeds	DFender Wheat
DF 271 W	DF Seeds	DFender Wheat
DF 284 W	DF Seeds	DFender Wheat
FS 600	FS InSPIRE	Vibrance Extreme & Senator
FS 617	FS InSPIRE	Vibrance Extreme & Senator
FS 743	FS InSPIRE	Vibrance Extreme & Senator
FS 765	FS InSPIRE	Vibrance Extreme & Senator
FS 766	FS InSPIRE	Vibrance Extreme & Senator
ISF EXP2504	Irrer Seed Farm	ISF Shield
ISF EXP2506	Irrer Seed Farm	ISF Shield
KWS585	KWS Cereals USA	Cruiser 5FS
KWS606	KWS Cereals USA	Cruiser 5FS
KWS634	KWS Cereals USA	Cruiser 5FS
KWS661	KWS Cereals USA	Cruiser 5FS
KWS671	KWS Cereals USA	Cruiser 5FS
KWS680	KWS Cereals USA	Cruiser 5FS
KWS685	KWS Cereals USA	Cruiser 5FS
KWS687	KWS Cereals USA	Cruiser 5FS
Jupiter	MCIA	Vibrance Extreme
MCIA 24004	MCIA	Vibrance Extreme
MCIA 24006	MCIA	Vibrance Extreme
MCIA Barracuda	MCIA	Vibrance Extreme
MCIA Ember	MCIA	Vibrance Extreme
MCIA Flipper	MCIA	Vibrance Extreme
MCIA Marlin	MCIA	Vibrance Extreme
MCIA Redfin	MCIA	Vibrance Extreme
MCIA Thunder	MCIA	Vibrance Extreme
MCIA Titan	MCIA	Vibrance Extreme
MCIA Wharf	MCIA	Vibrance Extreme
MCIA White Lightning	MCIA	Vibrance Extreme
MSU 609W	MCIA	Vibrance Extreme
Sunburst	MCIA	Vibrance Extreme
Whitetail	MCIA	Vibrance Extreme
MI20R0012-3	MSU	CruiserMaxx Vibrance Cereals
MI20R0210	MSU	CruiserMaxx Vibrance Cereals

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Table 5. List of entries, seed company and seed treatments applied.

Line Name	Company	Seed Treatment
MI22W213	MSU	CruiserMaxx Vibrance Cereals
MI23W180	MSU	CruiserMaxx Vibrance Cereals
MI24R020	MSU	CruiserMaxx Vibrance Cereals
MI24R021	MSU	CruiserMaxx Vibrance Cereals
MI24R063	MSU	CruiserMaxx Vibrance Cereals
MI24R148	MSU	CruiserMaxx Vibrance Cereals
MI24R270	MSU	CruiserMaxx Vibrance Cereals
MI24R272	MSU	CruiserMaxx Vibrance Cereals
MI24W116	MSU	CruiserMaxx Vibrance Cereals
MI24W221	MSU	CruiserMaxx Vibrance Cereals
Dyna-Gro 9172	Nutrien Ag Solutions	Foothold Virock with Awaken ST
Dyna-Gro 9231	Nutrien Ag Solutions	Foothold Virock with Awaken ST
Dyna-Gro 9242W	Nutrien Ag Solutions	Foothold Virock with Awaken ST
Dyna-Gro 9422	Nutrien Ag Solutions	Foothold Virock with Awaken ST
Dyna-Gro 9533	Nutrien Ag Solutions	Foothold Virock with Awaken ST
Dyna-Gro 9570	Nutrien Ag Solutions	Foothold Virock with Awaken ST
Dyna-Gro 9632	Nutrien Ag Solutions	Foothold Virock with Awaken ST
Dyna-Gro 9641W	Nutrien Ag Solutions	Foothold Virock with Awaken ST
Dyna-Gro 9742W	Nutrien Ag Solutions	Foothold Virock with Awaken ST
Dyna-Gro 9762	Nutrien Ag Solutions	Foothold Virock with Awaken ST
Dyna-Gro 9771	Nutrien Ag Solutions	Foothold Virock with Awaken ST
Synergy 2601	Synergy Ag	Vibrance Extreme Cruiser
Synergy Emily	Synergy Ag	Vibrance Extreme Cruiser
Synergy Kessler	Synergy Ag	Athena-V MF TBZ IM
18VTK10-188	Virginia Crop Improvement Association	Foothold Virock
18VTK10-23	Virginia Crop Improvement Association	Foothold Virock
VA23W-432	Virginia Crop Improvement Association	Foothold Virock

Organizations Participating in the 2026 Michigan State University Wheat Performance Trials

AgriMAXX Wheat Company
7167 Highbanks Road
Mascoutah, IL 62258
Phone: 855-629-9432

Albert Lea Seed
1414 W. Main
PO Box 127
Albert Lea, MN 56007
Phone: 800-352-5247

D.F. Seeds, Inc.
3055 W M-21
St. Johns, MI 48879
Phone: 517-623-6161

Dyna-Gro Seed
4648 S Garfield Rd
Auburn, MI 48611
Phone: 989-662-0000

GROWMARK, Inc
1701 Towanda Ave
Bloomington, IL 61701
Phone: 815-383-4395

Irrer Seed Farm
9621 Dexter Trail
Fowler, MI 48835
Phone: 517-719-5710

KWS Cereals USA
495 County Rd 1300 N
Champaign, IL 61822
Phone: 217-888-0176

Michigan Crop Improvement Association
2905 Jolly Road
Okemos, MI 48864
Phone: 517-332-3546

Synergy Ag
6150 N. Co Rd. 33
Tiffin, OH 44883
Phone: 419-355-6708

Virginia Tech
1008 Old Mill Rd
Blacksburg, VA 24060
Phone: 505-412-2738