# Michigan State Wheat Performance Trials: 2014

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**Comments on the 2014 Wheat Growing Season**

The 2014 Michigan wheat crop sustained severe damage due to ice-sheeting and cold temperatures during the winter months. Estimates of crop losses are as high as 15 percent. Despite injured crowns and late spring green-up, overall crop yields were relatively good due largely to some timely rainfall and mostly cool temperatures throughout the grain-fill period.

Leaf diseases developed relatively slowly through the early jointing stages with only modest levels of powdery mildew and Septoria leafspot. As wheat matured, leaf rust and Stagonospora leaf blotch were the most prominent diseases found on flag leaves. No cases of stripe rust and stem rust were reported. Viral diseases, including barley yellow dwarf mosaic and wheat streak mosaic, were readily found but are not thought to have had a significant impact on the crop. Fusarium head scab was evident in most fields but levels were considered relatively low.

Harvest was relatively late this year due to the season's unusually cool temperatures. To date, the harvested crop is reported to have good quality with mostly low DON levels and acceptable Falling Number scores.

**Choosing Varieties**

Growers should be aware that the grain of varieties with equal yield and test weight are not necessarily of equal value when delivered for sale. DON content and shriveled grain can result in significant discounts at the point of sale. This report provides across site and single site data for test weight which gives some indication of the degree to which a variety avoided shriveled grain. It is, however, possible for two varieties to have identical and acceptable test weight but differ in degree of grain shriveling.

Although wheat producers are always interested in how varieties perform in a given year and location, performance in a single year and location should never be used in selecting a variety to plant. It is best to select a variety on the basis of data from at least three years of testing. Varieties selected with such comparisons are more likely to perform well under a wide range of conditions. In any given year or at any given site, several varieties will usually fall into the group of 'highest yielding' varieties. The composition of that group, and the identity of the absolute "winner", can and does change from location to location and year to year. This means that the single best variety cannot be determined in advance for a specific site. However, you can identify a group of varieties that is likely to contain the winners in the upcoming season. We recommend that you plant two or more varieties, and where possible, choose varieties which will flower at different times in order to reduce the risk of scab infection which is most likely to occur when rain coincides with flowering.

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

**Experimental**

The 2014 State Wheat Performance Trial entries were planted at seven sites in 6 counties: Allegan, Huron, Ingham (2), Lenawee, Sanilac, and Tuscola. Appendix A (below) presents information on each of these sites. The Sanilac and Lenawee sites were abandoned due to severe water and ice damage. Each plot contained 6 rows with 7.5" row spacing and was planted to a length of 18 feet. Plots were trimmed to a length of 12 feet long in the spring for harvesting purposes. The Allegan and Huron sites were designed as four replications, while Ingham and Tuscola were designed as three replications. All sites were designed using the nearest neighbor design (RCBD). 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 2.0 million seeds per acre in a solid stand planted in 7.5" rows. Fall fertilizer application varied with cooperator practice. Spring nitrogen was applied as urea (90 lbs/acre actual N) at green-up and Affinity BroadSpec was used for weed control at all sites.

Except for an additional three replicated trial at the Ingham site, all sites were coordinated under high management. Under high management, an additional 40 pounds of nitrogen was applied using streamer bars and 28%. Quilt was applied at Feekes 8.5 - 9 to control lower-canopy and early-season diseases. Prosaro was applied to control late season fungal diseases. The timing of the Prosaro application coincided with the average flowering date of the trial location.

All plots at a site were harvested on a single day. Yield was calculated using the entire area of the plot including the wheel tracks between plots. This approach tends to underestimate yield. For data reported on a 0-9 scale 0 is the best possible score.

**Multi-Year Performance Summary (Tables 1 - 5)**

Tables 1 through 5 summarize performance of the trial. The full trial included 90 entries (22 of which were experimental lines) from 20 organizations, including Michigan State University, and data analyses were conducted using all of these entries. For ease of viewing, two versions of the report are available. The "commercial only" version (available online and in the "Michigan Farm News" publication) includes the data of 68 commercially available varieties from 17 organizations only. The "including experimentals" version (online only) includes all 90 commercial and experimental lines. Attached to this narrative is a list of the names and contact information for those organizations. Each line in these tables has data for a single entry. The columns contain averages for a given trait and time period. Data for all of 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** (not across columns for a single trait). Tables 1 through 5 are sorted first by entry grain color, and then in descending order by yield for 2014. In some instances (e.g. yield), data columns to the right of the 2014 data columns are multi-year averages. Only data for entries included in all of 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' 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. The CV is indicative of a trial's precision. Trials with low levels of error variation have lower CV values. Traits for which scores on a 0-9 scale are employed generally have very high CV values.

Table 1 contains data for yield, test weight, and grain moisture. This data was acquired electronically on the plot combine at the time of harvest. Yield data is standardized to 13.5% moisture. The 2014 yield data contains the multi-site yield averages of only the high management sites and does not included the single site of conventionally managed yield data in Ingham County. The conventionally managed single site data can be found on table 6 under the "Ingham conventionally managed" columns. Table 1 also contains grain color, chaff color, and degree of awnedness. For degree of awnedness, "Awnless" indicates no awns or awns only present at the tip of the spike, "Awnletted" (short awns on the spike), or "Awned" (long awns on the entire spike). Lodging scores are presented on table 1 as well. Lodging is scored on 0 – 9 scale, where 0 represents all plants fully erect and 9 indicates the entire plot is lodged completely on the ground.

Table 2 contains data for pre-harvest sprout, flowering date, plant height, powdery mildew, winter injury, leaf blotch, wheat streak mosaic virus, and barley yellow dwarf virus. Pre-Harvest Sprouting is reported as extend of visual sprouting on a 0 to 9 scale with 0 being no sprouting and 9 being extensive sprouting. The flowering date indicates the average number of days past January 1st that a given entry reached the point where ½ of its heads were flowering. Plant height is reported as the distance in inches from the ground to the tip of average heads in a plot. Disease scores are recorded as "0 = no visual symptoms of disease present". Powdery mildew scores are based on observations of the entire plant including the flag leaf. The causal organism(s) of the leaf blotching were not identified, but were likely a combination of *Septoria tritici* and *Stagonospora nodorum*. Barley yellow dwarf virus scores are from 2013 growing season.

The data on Pre-Harvest Sprouting (PHS) were generated experimentally. Spikes from two trial replicates were harvested at physiological maturity, after-ripened in the greenhouse five days, periodically misted for three days to simulate rainfall, and placed at 100% humidity for three days. Three spikes were rated for visual sprouting. PHS is reported as extent of visual sprouting on a 0 to 9 scale with 0 indicating no sprouting and 9 indicating extensive sprouting of all spikelets.

Table 3 contains data for leaf rust, stripe rust, Fusarium Head Blight (FHB, scab) and the associated mycotoxin deoxynivalenol (DON, VOM), and percent black point (tip) on the grain. Stripe rust and leaf rust scores are based primarily on infection observations on the flag leaf. Stripe rust scores are from 2013 growing season and earlier. Scab data were obtained from the Ingham misted/inoculated scab screening nursery. The Ingham scab nursery was inoculated (from lab-produced infected grain spread onto the field), and artificial misting was employed throughout the entire flowering period. Each wheat head (i.e., 'spike') is comprised of roughly 14-22 "spikelets", which bear the developing seed. Spikelets that prematurely die because of scab infection are called "scabby" spikelets. Field symptom data reported here are based on: 1) the percent of spikes showing any scabby spikelets (incidence); 2) the percent of scabby spikelets within infected spikes (severity); and 3) the percent of scabby spikelets considering all spikes (scab index). The scab index is derived from multiplying the incidence and severity, and is a measure of the extent of damage to entire plots due to scab infection. Deoxynivalenol data is from harvested grain in the inoculated, mist irrigated, scab screening nursery and is reported in parts per million (ppm). The grain was analyzed for DON at the University of Minnesota using gas chromatography mass spectrometry. DON data is from the 2013 and prior crop years. Black point is reported on a percentage basis (percent of seeds with visible black point). Black point is the discoloration of the embryo (germ) end and surrounding areas of the wheat kernel. The embryo tip shows a black to brown discoloration that may extend into the crease of the kernel. Visual observations consisted of 500 seed lots from one rep at each location observed. The data presented is the average percent of kernels discolored from the 2013 harvest season and earlier.

Table 4 through 5 contains data for milling and baking quality. Quality data are from the 2013 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. Softness equivalent percent is the softness of the flour, with higher values indicating softer grained wheat's. 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. Water SRC is correlated to and intended to predict Farinograph water absorption. Sucrose SRC is a measure of pentosan content, which can strongly affect water absorption in baked products. 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%. For cookie diameter, a larger diameter is better. Whole grain protein (%) and whole grain hardness are being reported with 0-100, and higher values indicating harder wheat.

**Single Site Yield Performance Summary (Table 6)**

Table 6 contains yield (adjusted to 13.5% moisture), test weight, and harvest moisture data from each of the four sites harvested for yield in 2014. Each row in the table represents a single entry in the test. It is recommended that single site / single year data not be used to make variety choice decisions. Table 6 is sorted first by organization and then by variety or brand name.

Five of our experimental sites are on private farmland. We are extremely grateful to those growers for accommodating our work and all of 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 Eric Olson (517) 355-0271 Ext. 1142. This report, along with previous year's reports, may also be accessed through the Web at http://www.varietytrials.msu.edu/wheat

# 2014 Michigan State University Wheat Performance Trials

**Appendix A. Trial Site Descriptions for 2014 MSU Wheat Performance Trials.**

| | ALLEGAN COUNTY | HURON COUNTY | INGHAM COUNTY | | | LENAWEE COUNTY | SANILAC COUNTY | TUSCOLA COUNTY |
|---|---|---|---|---|---|---|---|---|
| | | | CONV. MANAGED | HIGH MANAGEMENT | SCAB NURSERY | | | |
| **COOPERATOR** | Harvey Jipping | Darwin Sneller | Michigan State University | Michigan State University | Michigan State University | Woods Seed Farm | Stoutenburg Farms | Stuart Bierlein |
| **NEAREST CITY** | Hamilton | Sebewaing | Mason | Mason | East Lansing | Britton | Sandusky | Richville |
| **PLANTING DATE** | Oct. 15, 2013 | Oct. 12, 2013 | Sept. 28, 2013 | Sept. 28, 2013 | Oct. 28, 2013 | Oct. 11, 2013 | Oct. 1, 2013 | Sept. 27, 2013 |
| **HARVEST DATE** | July 22, 2014 | July 24, 2014 | July 17, 2014 | July 21, 2014 | N/A | N/A | N/A | July 23, 2014 |
| **SOIL TYPE** | Capac loam, 0 to 6 percent slopes | Tappan loam; 0 to 1 percent slopes | Capac loams, 0 to 3 percent slopes | Capac loams, 0 to 3 percent slopes | Capac sandy loams, 0 to 3 percent slopes and Colwood-Brookston loams, 0 to 2 percent slopes | Lenawee silty clay loam, 0 to 3 percent slopes | Parkhill loam and clay loam, 0 to 2 percent slopes | Tappan-Londo Loam, 0-2 percent slope |
| **PRE-PLANT FERTILIZER** | None | 300# 6-20-30 +.1%S + .5%Zn | 150# 6-24-24 | 150# 6-24-24 | 150# 6-24-24 | 250# 9-23-30 | 210# 5-17-35 + 0.4%S + 0.4%Zn | 300# 13-8-24 +7% S + 0.83% Zn + 0.47% Mn + 0.13% Cu +0.13% B |
| **COMMENTS** | Additional Spring Nitrogen And Fungicides Were Applied. | Slight Spring Water/Ice Damage. Additional Spring Nitrogen And Fungicides Were Applied. | Slight Spring Water/Ice Damage. | Slight Spring Water/Ice Damage. Additional Spring Nitrogen And Fungicides Were Applied. | Inoculated / Misted Fusarium Head Blight Screening Nursery. | Abandoned Due To Severe Winter Kill | Abandoned Due To Severe Winter Kill | Spring Water/Ice Damage. Severe Wheat Streak Mosaic Virus. Additional Spring Nitrogen And Fungicides Were Applied. |
| **AVERAGE YIELD (BUSHELS / ACRE)** | 91.5 | 86.0 | 71.0 | 84.3 | N/A | N/A | N/A | 92.9 |
| **AVERAGE TEST WEIGHT (LBS. / BUSHEL)** | 58.5 | 59.0 | 57.6 | 59.2 | N/A | N/A | N/A | 59.2 |
| **AVERAGE PERCENT GRAIN MOISTURE AT HARVEST** | 15.1 | 17.6 | 15.1 | 14.4 | N/A | N/A | N/A | 14.9 |
| **2014 DATA RECORDED (NUMBER OF REPS)** | | W_INJ (4); | FD (3); PM (3); SEPT (3); PL_HT (3); LODGE (3) | FD (3); PL_HT (3); LODGE (3) | %INC.(4); %SEV. (4); INDEX (4) | | | W_INJ (3); FD (3); WSMV (3) |

***DATA: **FD** – Flowering Date (Days Past Jan. 01), **PL_HT** - Plant Height in Inches, **SEPT** - Septoria Leaf Blotch Score (0-9), **WSMV** - Wheat Streak Mosaic Virus Score (0-9), **W_INJ** - Winter Injury Score (1-5), **LODGE** - Lodging Score (0-9), **LRUST** - Leaf Rust Score (0-9), **SRUST** - Stripe Rust Score (0-9), **PM** - Powdery Mildew Score (0-9), **%INC** - Percent Incidence of FHB, **%SEV** - Percent of Severity of FHB, **INDEX** - Product of the Incidence X Severity / 100

**** SCORING INFORMATION: Score of 0 = Best Rating - Score of 9 = Poor Rating / Scores (1 - 5) 1 = No Winter Kill; 5 = Zero - Very Few Live Plants

**ORGANIZATIONS PARTICIPATING IN THE 2014**
**MICHIGAN STATE UNIVERSITY WHEAT PERFORMANCE TRIALS**

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

BioTown Seeds
P.O. Box 299
Reynolds, IN 47980
Phone: 219-984-6038

D.F. Seeds, Inc.
P.O. Box 159
905 S. Jackson St.
Dansville, MI 48819
Phone: 517-623-6161

DuPont Pioneer
59 Greif Parkway, Suite 200
Delaware, OH 43015
Phone: 740-657-6156

Dyna-Gro Seed
6221 Riverside Drive, Suite One
Dublin, OH 43017-0477
Phone: 614-761-4110

Equity Seed
P.O. Box 978
Westfield, IN 46074
Phone: 317-910-2140

G.B. Seed & Service
5453 136th Ave.
Hamilton, MI 49419
616-836-4185

Harrington Seeds, Inc.
2586 Bradleyville Road
Reese, MI 48757
Phone: 989-868-4750

Hyland Seeds
5 Hyland Drive
Blenheim, Ontario N0PIA0
Phone: 519-676-8146

Irrer Seed Farm
9621 Dexter Trail
Fowler, MI 48835
Phone: 989-593-3453

Michigan Crop Improvement Association
P.O. Box 21008
Lansing, MI 48909
Phone: 517-332-3546

Ohio Seed Improvement Association
6150 Avery Road, P.O. Box 477
Dublin, OH 43017-0477
Phone: 614-889-1136

Rupp Seeds, Inc.
17919 Co Rd. B
Wauseon, OH 43567
Phone: 419-337-1841

Steyer Seeds
P.O. Box 209
Old Fort, OH 44861
Phone: 800-231-4274

Sunstar Hybrids
14993 State Road 17
Culver, IN 46511-9642
Phone: 574-842-2775

Syngenta
2426 Webster Rd RR1
Monroeville, IN 46773
Phone: 260-248-1700

Virginia Tech / VCIA
2229 Menokin Road
Warsaw, VA 22572
Phone: 804-333-3485

Wellman Seeds, Inc.
23778 Delphos Jennings Road
Delphos, OH 45833
Phone: 419-695-9010

# 2014 Michigan State University Wheat Performance Trials (Including Experimentals)

Multi-year data are the most informative.

**Table 1 : Multi-Year Performance Summary (Note: Tables sorted by 2014 Yield, red wheats grouped before white)**

MSU makes no endorsement of any variety or brand.

| Name | Grain Color | Chaff Color | Awns | Yield: Bushels/Acre (Adjusted to 13.5% Moisture) 2014 | Yield: Multi-Year Averages 2 YR 2013-14 | 3 YR 2012-14 | 4 YR 2011-14 | Test Weight: lbs/Bushel 2014 | Test Weight: Multi-Year Averages 2 YR 2013-14 | 3 YR 2012-14 | 4 YR 2011-14 | Percent Grain Moisture at Harvest 2014 | Moisture: Multi-Year Averages 2 YR 2013-14 | 3 YR 2012-14 | 4 YR 2011-14 | Lodging Score (0-9) (0=none) 2014 | Lodging: Multi-Year 2 YR 2013-14 | Organization |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Diener 512 | Red | White | Awnless | 96.9 | 92.8 | ----- | ----- | 58.2 | 57.6 | ----- | ----- | 16.6 | 15.2 | ----- | ----- | 7.3 | 5.0 | Bio-Town Seeds, Inc. |
| DF EX R C-1 | Red | White | Awnless | 96.5 | ----- | ----- | ----- | 60.6 | ----- | ----- | ----- | 15.5 | ----- | ----- | ----- | 2.0 | ----- | D.F. Seeds, Inc. |
| Steyer Hunker | Red | White | Awnless | 96.3 | 93.0 | 92.9 | ----- | 58.1 | 57.7 | 57.9 | ----- | 16.4 | 14.9 | 14.7 | ----- | 8.0 | 5.4 | Steyer Seeds |
| 9223 | Red | White | Awnless | 96.2 | 93.1 | 93.3 | ----- | 58.6 | 58.0 | 58.3 | ----- | 16.4 | 14.9 | 14.5 | ----- | 6.3 | 4.5 | Dyna-Gro Seed |
| RS 9XP10 | Red | White | Awned | 96.1 | ----- | ----- | ----- | 61.0 | ----- | ----- | ----- | 15.1 | ----- | ----- | ----- | 2.0 | ----- | Rupp Seeds, Inc. |
| W 206 | Red | White | Awned | 96.0 | 93.4 | ----- | ----- | 60.8 | 60.2 | ----- | ----- | 15.4 | 14.3 | ----- | ----- | 2.0 | 1.8 | Wellman Seeds, Inc. |
| AgriMAXX 438 | Red | White | Awnless | 95.9 | 92.6 | ----- | ----- | 58.6 | 58.0 | ----- | ----- | 16.6 | 15.0 | ----- | ----- | 9.0 | 6.5 | AgriMAXX Wheat Company |
| DF 112R | Red | White | Awned | 95.7 | 95.3 | ----- | ----- | 58.5 | 57.7 | ----- | ----- | 14.7 | 13.7 | ----- | ----- | 3.0 | 3.1 | D.F. Seeds, Inc. |
| RS 972 | Red | White | Awnless | 95.7 | 94.0 | 94.9 | ----- | 57.9 | 57.5 | 58.0 | ----- | 16.8 | 15.2 | 14.8 | ----- | 5.7 | 4.4 | Rupp Seeds, Inc. |
| W 207 | Red | White | Awnless | 95.4 | 92.7 | ----- | ----- | 58.0 | 57.5 | ----- | ----- | 16.7 | 15.3 | ----- | ----- | 5.0 | 3.6 | Wellman Seeds, Inc. |
| Pioneer variety 25R40 | Red | White | Awned | 94.8 | 93.4 | 95.2 | ----- | 60.5 | 59.4 | 59.8 | ----- | 14.6 | 13.8 | 13.6 | ----- | 1.3 | 1.6 | DuPont Pioneer |
| DF 109R | Red | White | Awnless | 94.6 | 93.3 | 93.4 | ----- | 57.7 | 57.6 | 57.9 | ----- | 16.9 | 15.1 | 14.7 | ----- | 5.3 | 4.3 | D.F. Seeds, Inc. |
| Pioneer variety 25R34 | Red | White | Awned | 94.4 | 91.5 | 93.2 | 93.5 | 58.4 | 57.7 | 58.1 | 58.3 | 15.5 | 14.4 | 14.2 | 14.2 | 3.3 | 3.8 | DuPont Pioneer |
| XW 1401 | Red | White | Awned | 94.3 | ----- | ----- | ----- | 60.0 | ----- | ----- | ----- | 14.9 | ----- | ----- | ----- | 1.0 | ----- | Bio-Town Seeds, Inc. |
| GB 1404 | Red | White | Awned | 94.3 | ----- | ----- | ----- | 59.8 | ----- | ----- | ----- | 14.9 | ----- | ----- | ----- | 1.0 | ----- | G.B. Seeds and Service |
| DF 111R | Red | White | Awned | 93.6 | 90.7 | ----- | ----- | 60.3 | 59.4 | ----- | ----- | 15.6 | 14.4 | ----- | ----- | 2.0 | 1.7 | D.F. Seeds, Inc. |
| L-Brand 334 | Red | White | Awnless | 93.6 | ----- | ----- | ----- | 60.7 | ----- | ----- | ----- | 15.6 | ----- | ----- | ----- | 3.3 | ----- | Irrer Seed Farm |
| MCIA EXP A | Red | White | Awnless | 93.2 | 92.1 | ----- | ----- | 59.2 | 58.5 | ----- | ----- | 14.2 | 13.6 | ----- | ----- | 4.0 | 4.2 | Michigan Crop Improvement Association |
| MCIA Red Dragon | Red | White | Awnless | 93.2 | 92.2 | 92.2 | 92.0 | 59.0 | 58.3 | 58.3 | 58.6 | 14.2 | 13.7 | 13.4 | 13.4 | 3.7 | 2.9 | Michigan Crop Improvement Association |
| MCIA EXP B | Red | White | Awnless | 93.1 | 91.8 | ----- | ----- | 58.6 | 57.9 | ----- | ----- | 14.3 | 13.7 | ----- | ----- | 3.0 | 3.2 | Michigan Crop Improvement Association |
| SY 483 | Red | White | Awnless | 93.1 | 89.4 | ----- | ----- | 58.8 | 58.1 | ----- | ----- | 16.9 | 15.0 | ----- | ----- | 2.0 | 2.5 | Syngenta |
| DF 105R | Red | White | Awned | 92.9 | 89.1 | 90.7 | 91.5 | 58.6 | 57.8 | 58.2 | 58.5 | 14.1 | 13.2 | 13.1 | 12.9 | 2.7 | 2.4 | D.F. Seeds, Inc. |
| DF EX W C-2 | Red | White | Awned | 92.7 | ----- | ----- | ----- | 59.7 | ----- | ----- | ----- | 14.4 | ----- | ----- | ----- | 1.3 | ----- | D.F. Seeds, Inc. |
| HS 284R | Red | White | Awnless | 92.7 | 91.9 | ----- | ----- | 59.5 | 58.5 | ----- | ----- | 14.4 | 13.6 | ----- | ----- | 3.0 | 2.4 | Harrington Seeds, Inc. |
| Sienna | Red | White | Awnless | 92.6 | 91.3 | ----- | ----- | 59.0 | 58.3 | ----- | ----- | 15.0 | 14.0 | ----- | ----- | 4.3 | 3.0 | D.F. Seeds, Inc. |
| Sunstar S-2000 | Red | White | Awned | 92.4 | ----- | ----- | ----- | 59.4 | ----- | ----- | ----- | 15.3 | ----- | ----- | ----- | 1.3 | ----- | Sunstar Hybrids |
| AgriMAXX 413 | Red | White | Awned | 92.0 | 90.1 | 90.5 | ----- | 58.6 | 57.8 | 58.3 | ----- | 13.9 | 13.1 | 13.1 | ----- | 2.7 | 2.8 | AgriMAXX Wheat Company |
| Steyer Heilman | Red | White | Awnless | 92.0 | 90.9 | 91.0 | ----- | 59.3 | 58.4 | 58.4 | ----- | 14.5 | 13.7 | 13.5 | ----- | 4.7 | 3.7 | Steyer Seeds |
| W 125 | Red | White | Awnless | 91.8 | 90.9 | 91.4 | ----- | 59.1 | 58.3 | 58.4 | ----- | 14.5 | 13.7 | 13.5 | ----- | 3.3 | 2.7 | Wellman Seeds, Inc. |
| W 204 | Red | White | Awned | 91.6 | ----- | ----- | ----- | 59.3 | ----- | ----- | ----- | 14.6 | ----- | ----- | ----- | 1.7 | ----- | Wellman Seeds, Inc. |
| SY 474 | Red | White | Awnless | 91.3 | ----- | ----- | ----- | 59.7 | ----- | ----- | ----- | 15.9 | ----- | ----- | ----- | 3.0 | ----- | Syngenta |
| GB 1202 | Red | White | Awned | 91.2 | 88.9 | ----- | ----- | 58.3 | 57.8 | ----- | ----- | 14.4 | 13.4 | ----- | ----- | 2.0 | 2.4 | G.B. Seeds and Service |
| Diener 503 | Red | White | Awnless | 91.1 | ----- | ----- | ----- | 58.7 | ----- | ----- | ----- | 14.9 | ----- | ----- | ----- | 4.3 | ----- | Bio-Town Seeds, Inc. |
| Sunstar S-1200 | Red | White | Awned | 91.1 | 88.0 | ----- | ----- | 59.0 | 57.8 | ----- | ----- | 13.9 | 13.6 | ----- | ----- | 2.3 | 3.5 | Sunstar Hybrids |
| MCIA Whale | Red | White | Awnless | 90.8 | 89.1 | ----- | ----- | 57.8 | 57.8 | ----- | ----- | 17.3 | 15.7 | ----- | ----- | 2.0 | 1.6 | Michigan Crop Improvement Association |
| RS 907 | Red | White | Awned | 90.6 | 90.8 | ----- | ----- | 60.4 | 59.8 | ----- | ----- | 15.5 | 14.5 | ----- | ----- | 2.3 | 2.5 | Rupp Seeds, Inc. |
| MCIA 7002012 | Red | White | Awnless | 90.2 | 88.0 | ----- | ----- | 59.4 | 58.7 | ----- | ----- | 16.6 | 15.1 | ----- | ----- | 3.7 | 3.7 | Michigan Crop Improvement Association |
| LCS News | Red | White | Awnletted | 90.1 | 89.4 | ----- | ----- | 59.9 | 59.3 | ----- | ----- | 14.6 | 14.0 | ----- | ----- | 6.7 | 5.8 | Irrer Seed Farm |
| L-Brand 241 | Red | White | Awnless | 90.0 | ----- | ----- | ----- | 61.2 | ----- | ----- | ----- | 15.4 | ----- | ----- | ----- | 4.7 | ----- | Irrer Seed Farm |
| Diener 492 | Red | White | Awned | 89.9 | 87.5 | 88.2 | ----- | 58.6 | 58.0 | 58.2 | ----- | 13.6 | 13.0 | 13.0 | ----- | 2.0 | 2.3 | Bio-Town Seeds, Inc. |
| AgriMAXX 447 | Red | White | Awnless | 89.6 | ----- | ----- | ----- | 57.1 | ----- | ----- | ----- | 17.9 | ----- | ----- | ----- | 2.0 | ----- | AgriMAXX Wheat Company |
| L-Brand 400 | Red | White | Awnletted | 89.2 | ----- | ----- | ----- | 59.8 | ----- | ----- | ----- | 15.2 | ----- | ----- | ----- | 1.3 | ----- | Irrer Seed Farm |
| RS 967 | Red | White | Awned | 89.2 | ----- | ----- | ----- | 60.4 | ----- | ----- | ----- | 14.6 | ----- | ----- | ----- | 1.7 | ----- | Rupp Seeds, Inc. |
| MCIA Red Devil | Red | White | Awned | 88.9 | 87.0 | 87.9 | 89.4 | 60.5 | 59.5 | 59.7 | 59.9 | 15.0 | 14.1 | 13.9 | 13.9 | 2.0 | 2.2 | Michigan Crop Improvement Association |

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**Table 1 : Multi-Year Performance Summary (Note: Tables sorted by 2014 Yield, red wheats grouped before white)**

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| Name | Grain Color | Chaff Color | Awns | Yield: Bushels/Acre (Adjusted to 13.5% Moisture) 2014 | Yield: Multi-Year Averages 2 YR 2013-14 | 3 YR 2012-14 | 4 YR 2011-14 | Test Weight: lbs/Bushel 2014 | Test Weight: Multi-Year Averages 2 YR 2013-14 | 3 YR 2012-14 | 4 YR 2011-14 | Percent Grain Moisture at Harvest 2014 | Moisture: Multi-Year Averages 2 YR 2013-14 | 3 YR 2012-14 | 4 YR 2011-14 | Lodging Score (0-9) (0=none) 2014 | Lodging: Multi-Year 2 YR 2013-14 | Organization |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Pioneer variety 25R39 | Red | White | Awnless | 88.8 | 85.6 | 87.2 | 88.1 | 58.7 | 58.1 | 58.7 | 59.1 | 16.1 | 14.7 | 14.3 | 14.2 | 7.7 | 5.8 | DuPont Pioneer |
| MCIA Blazer | Red | White | Awnletted | 88.6 | 87.4 | 87.8 | ----- | 61.1 | 60.6 | 60.8 | ----- | 15.1 | 14.2 | 13.9 | ----- | 3.0 | 3.0 | Michigan Crop Improvement Association |
| Guardian | Red | White | Awnless | 88.0 | ----- | ----- | ----- | 58.6 | ----- | ----- | ----- | 17.3 | ----- | ----- | ----- | 2.0 | ----- | Equity Seed |
| HS 06R EXP | Red | White | Awnletted | 87.9 | ----- | ----- | ----- | 58.5 | ----- | ----- | ----- | 17.0 | ----- | ----- | ----- | 2.3 | ----- | Harrington Seeds, Inc. |
| AgriMAXX 427 | Red | White | Awnless | 87.7 | 87.0 | ----- | ----- | 57.4 | 57.0 | ----- | ----- | 16.6 | 15.0 | ----- | ----- | 5.0 | 4.6 | AgriMAXX Wheat Company |
| W 205 | Red | White | Awnless | 87.6 | 88.6 | ----- | ----- | 56.0 | 57.0 | ----- | ----- | 18.9 | 16.3 | ----- | ----- | 1.3 | 1.2 | Wellman Seeds, Inc. |
| W 123 | Red | White | Awnless | 87.4 | 89.3 | 89.7 | 90.7 | 59.5 | 58.7 | 58.7 | 58.8 | 14.8 | 13.8 | 13.6 | 13.4 | 4.0 | 3.6 | Wellman Seeds, Inc. |
| EXP 13W34 | Red | White | Awnless | 87.3 | ----- | ----- | ----- | 54.9 | ----- | ----- | ----- | 19.0 | ----- | ----- | ----- | 2.0 | ----- | Equity Seed |
| W 208 | Red | White | Awnless | 87.2 | 86.8 | 88.4 | ----- | 58.3 | 58.2 | 58.5 | ----- | 16.8 | 15.2 | 14.9 | ----- | 2.7 | 3.0 | Wellman Seeds, Inc. |
| Steyer Pierson | Red | White | Awnless | 87.1 | 86.0 | ----- | ----- | 58.5 | 58.3 | ----- | ----- | 17.6 | 15.5 | ----- | ----- | 3.0 | 3.2 | Steyer Seeds |
| Malabar | Red | White | Awnless | 86.4 | 85.0 | 84.6 | 86.1 | 60.3 | 59.2 | 59.3 | 59.6 | 15.0 | 14.0 | 13.7 | 13.7 | 3.3 | 2.6 | Ohio Seed Improvement Association |
| Hopewell | Red | Bronze | Awnletted | 86.3 | 85.0 | 85.8 | 86.6 | 59.5 | 58.9 | 59.2 | 59.6 | 14.4 | 13.7 | 13.6 | 13.6 | 2.3 | 2.0 | Michigan Crop Improvement Association |
| MCIA EXP4 | Red | White | Awnletted | 86.3 | 87.3 | 89.0 | ----- | 59.5 | 59.2 | 59.5 | ----- | 15.5 | 14.5 | 14.3 | ----- | 2.3 | 2.4 | Michigan Crop Improvement Association |
| HS 30R EXP | Red | White | Awnless | 86.2 | ----- | ----- | ----- | 56.4 | ----- | ----- | ----- | 18.3 | ----- | ----- | ----- | 1.3 | ----- | Harrington Seeds, Inc. |
| Red Ruby | Red | White | Awned | 86.2 | 83.0 | 84.1 | 85.5 | 59.7 | 58.8 | 59.3 | 59.7 | 15.5 | 14.3 | 13.9 | 13.7 | 3.0 | 2.6 | Michigan Crop Improvement Association |
| DF EX R K | Red | White | Awnless | 84.4 | ----- | ----- | ----- | 61.2 | ----- | ----- | ----- | 15.8 | ----- | ----- | ----- | 1.7 | ----- | D.F. Seeds, Inc. |
| DF EX R D | Red | White | Awned | 83.3 | ----- | ----- | ----- | 59.6 | ----- | ----- | ----- | 14.2 | ----- | ----- | ----- | 1.3 | ----- | D.F. Seeds, Inc. |
| L-Brand 314 | Red | White | Awnletted | 83.2 | 85.8 | ----- | ----- | 59.9 | 59.1 | ----- | ----- | 14.9 | 14.0 | ----- | ----- | 2.7 | 3.1 | Irrer Seed Farm |
| MCIA EXP 113 | Red | White | Awnless | 82.9 | ----- | ----- | ----- | 57.8 | ----- | ----- | ----- | 17.2 | ----- | ----- | ----- | 1.0 | ----- | Michigan Crop Improvement Association |
| Sunburst | Red | White | Awnless | 82.4 | 85.2 | 87.4 | 88.6 | 60.6 | 60.8 | 61.3 | 60.7 | 16.7 | 15.2 | 14.9 | 14.4 | 1.0 | 1.5 | Michigan Crop Improvement Association |
| MCIA EXP 213 | Red | White | Awnletted | 81.3 | ----- | ----- | ----- | 59.4 | ----- | ----- | ----- | 17.1 | ----- | ----- | ----- | 6.3 | ----- | Michigan Crop Improvement Association |
| F0036R | Red | White | Awnless | 80.7 | 82.2 | ----- | ----- | 58.8 | 57.9 | ----- | ----- | 15.2 | 13.9 | ----- | ----- | 1.3 | 1.2 | Michigan State University |
| Shirley | Red | White | Awnletted | 79.4 | 80.6 | 84.7 | 87.1 | 57.7 | 57.2 | 57.6 | 57.8 | 14.9 | 13.9 | 13.8 | 14.1 | 1.7 | 1.5 | Dyna-Gro Seed |
| AC Mountain | White | White | Awnletted | 90.9 | 88.5 | 88.3 | 88.0 | 59.1 | 57.7 | 57.7 | 57.9 | 14.4 | 13.5 | 13.4 | 13.3 | 7.7 | 5.8 | Michigan Crop Improvement Association |
| Ambassador | White | White | Awnletted | 89.5 | 86.5 | 87.4 | 87.4 | 57.1 | 56.2 | 56.8 | 57.3 | 13.8 | 12.9 | 12.9 | 12.8 | 3.0 | 2.6 | D.F. Seeds, Inc. |
| 9242W | White | White | Awnless | 88.5 | 84.5 | 86.1 | 86.0 | 59.3 | 58.4 | 58.9 | 59.2 | 14.9 | 14.0 | 13.7 | 13.6 | 2.0 | 2.0 | Dyna-Gro Seed |
| Jupiter | White | Bronze | Awnletted | 87.6 | 85.7 | 85.9 | 86.8 | 58.3 | 57.4 | 57.7 | 58.0 | 14.4 | 13.5 | 13.7 | 13.6 | 1.7 | 2.0 | Michigan Crop Improvement Association |
| Ava | White | White | Awnletted | 86.5 | 84.4 | 83.2 | 83.8 | 58.4 | 58.0 | 57.6 | 57.7 | 16.9 | 15.2 | 15.6 | 15.8 | 2.7 | 3.2 | Hyland Seeds |
| 9362W | White | White | Awnless | 85.6 | 82.2 | ----- | ----- | 60.5 | 59.4 | ----- | ----- | 15.9 | 14.5 | ----- | ----- | 2.0 | 1.9 | Dyna-Gro Seed |
| Linebacker | White | White | Awnletted | 85.5 | 84.8 | 83.2 | 84.4 | 56.9 | 56.8 | 57.0 | 57.4 | 17.1 | 15.1 | 15.1 | 15.3 | 2.3 | 2.6 | D.F. Seeds, Inc. |
| E6012 | White | White | Awned | 84.4 | 84.3 | 84.6 | 84.8 | 58.5 | 58.0 | 58.9 | 59.2 | 14.3 | 13.3 | 13.3 | 13.2 | 1.7 | 2.4 | Michigan State University |
| DF EX W B | White | White | Awnletted | 84.1 | ----- | ----- | ----- | 58.2 | ----- | ----- | ----- | 14.7 | ----- | ----- | ----- | 2.7 | ----- | D.F. Seeds, Inc. |
| Aubrey | White | White | Awnletted | 83.9 | 81.0 | 81.9 | 82.7 | 59.9 | 59.1 | 59.3 | 59.9 | 14.6 | 13.8 | 13.7 | 13.7 | 2.0 | 2.0 | D.F. Seeds, Inc. |
| DF 110W | White | White | Awned | 83.7 | 83.9 | 86.1 | ----- | 57.5 | 57.6 | 58.5 | ----- | 16.3 | 14.5 | 14.2 | ----- | 2.0 | 2.4 | D.F. Seeds, Inc. |
| Pioneer variety 25W31 | White | White | Awned | 83.1 | ----- | ----- | ----- | 60.1 | ----- | ----- | ----- | 16.2 | ----- | ----- | ----- | 1.3 | ----- | DuPont Pioneer |
| MCIA Venus | White | White | Awned | 82.4 | 82.4 | 85.1 | ----- | 58.4 | 57.6 | 58.1 | ----- | 15.1 | 14.0 | 13.8 | ----- | 2.3 | 2.6 | Michigan Crop Improvement Association |
| DF EX B W-3 | White | White | Awnless | 81.2 | ----- | ----- | ----- | 56.7 | ----- | ----- | ----- | 15.4 | ----- | ----- | ----- | 1.3 | ----- | D.F. Seeds, Inc. |
| 9491W | White | White | Awned | 78.5 | ----- | ----- | ----- | 58.5 | ----- | ----- | ----- | 16.3 | ----- | ----- | ----- | 1.3 | ----- | Dyna-Gro Seed |
| SY 901 | White | White | Awned | 78.2 | 77.8 | ----- | ----- | 56.3 | 56.4 | ----- | ----- | 15.6 | 14.1 | ----- | ----- | 2.7 | 3.4 | Syngenta |
| MCIA E5024 | White | White | Awned | 76.8 | ----- | ----- | ----- | 57.3 | ----- | ----- | ----- | 16.2 | ----- | ----- | ----- | 1.7 | ----- | Michigan Crop Improvement Association |
| VA09W-192WS | White | White | Awnletted | 73.3 | ----- | ----- | ----- | 56.5 | ----- | ----- | ----- | 17.3 | ----- | ----- | ----- | 2.3 | ----- | Virginia Crop Improvement Assc. / VA Tech |
| **MEAN (2014 90 Entries)** | | | | **88.7** | **88.1** | **88.3** | **87.5** | **58.9** | **58.2** | **58.6** | **58.8** | **15.6** | **14.3** | **13.9** | **13.8** | **3.0** | **3.1** | |
| **LSD (0.05)** | | | | **3.2** | **4.6** | **4.1** | **3.9** | **0.7** | **1.1** | **1.0** | **1.0** | **0.6** | **1.3** | **0.8** | **0.7** | **1.8** | **2.5** | |
| **CV (%)** | | | | **4.8** | **2.6** | **2.9** | **3.2** | **1.6** | **0.9** | **1.0** | **1.2** | **5.0** | **4.4** | **3.5** | **3.8** | **42.9** | **41.6** | |

# 2014 Michigan State University Wheat Performance Trials (Including Experimentals)

Multi-year data are the most informative.

Table 2 : Multi-Year Performance Summary (Note: Tables sorted by 2014 Yield, red wheats grouped before white)

MSU makes no endorsement of any variety or brand.

| Name | Grain Color | Flowering Date (Days Past Jan. 1) 2014 | Flowering Date Multi-Year Averages 2 YR 2013-14 | Flowering Date Multi-Year Averages 3 YR 2012-14 | Flowering Date Multi-Year Averages 4 YR 2011-14 | Plant Height (Inches) 2014 | Plant Height Multi-Year Averages 2 YR 2013-14 | Plant Height Multi-Year Averages 3 YR 2012-14 | Plant Height Multi-Year Averages 4 YR 2011-14 | Powdery Mildew Score (0-9) 2014 | Powdery Mildew Score Multi-Year Averages 2 YR 2013-14 | Powdery Mildew Score Multi-Year Averages 3 YR 2012-14 | Powdery Mildew Score Multi-Year Averages 4 YR 2011-14 | Visual Sprout Score (0-9) 2014 | Winter Injury Score (1-5) 2014 | Septoria Leaf Blotch Score (0-9) 2014 | Wheat Streak Mosaic Virus Score (0-9) 2014 | Barley Yellow Dwarf Score (0-9) 2013 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Diener 512 | Red | 155.1 | 154.9 | ----- | ----- | 34.8 | 34.5 | ----- | ----- | 4.7 | 4.4 | ----- | ----- | 3.5 | 1.3 | 2.3 | 6.3 | 1.3 |
| DF EX R C-1 | Red | 155.1 | ----- | ----- | ----- | 34.5 | ----- | ----- | ----- | 8.7 | ----- | ----- | ----- | 3.0 | 1.1 | 3.0 | 3.0 | ----- |
| Steyer Hunker | Red | 155.1 | 155.3 | 151.3 | ----- | 34.8 | 34.9 | 33.8 | ----- | 6.0 | 3.0 | 3.0 | ----- | 4.0 | 1.1 | 3.0 | 6.0 | 2.3 |
| 9223 | Red | 155.2 | 155.0 | 151.2 | ----- | 34.5 | 34.3 | 33.5 | ----- | 4.7 | 3.9 | 4.1 | ----- | 2.5 | 1.0 | 3.0 | 7.0 | 3.8 |
| RS 9XP10 | Red | 155.0 | ----- | ----- | ----- | 34.0 | ----- | ----- | ----- | 4.0 | ----- | ----- | ----- | 3.5 | 1.4 | 2.7 | 2.3 | ----- |
| W 206 | Red | 154.8 | 154.2 | ----- | ----- | 34.7 | 35.1 | ----- | ----- | 3.7 | 2.4 | ----- | ----- | 3.5 | 1.0 | 2.3 | 3.0 | 1.2 |
| AgriMAXX 438 | Red | 155.1 | 154.7 | ----- | ----- | 35.0 | 35.0 | ----- | ----- | 5.0 | 3.5 | ----- | ----- | 0.0 | 1.4 | 2.7 | 6.3 | 3.1 |
| DF 112R | Red | 154.8 | 154.2 | ----- | ----- | 32.8 | 32.5 | ----- | ----- | 2.0 | 1.5 | ----- | ----- | 4.5 | 1.6 | 3.0 | 5.7 | 0.4 |
| RS 972 | Red | 155.4 | 155.1 | 151.1 | ----- | 34.5 | 34.3 | 33.2 | ----- | 5.3 | 3.7 | 3.8 | ----- | 2.5 | 1.0 | 3.0 | 6.7 | 1.5 |
| W 207 | Red | 154.9 | 155.1 | ----- | ----- | 34.5 | 34.8 | ----- | ----- | 6.0 | 5.0 | ----- | ----- | 1.5 | 1.1 | 3.0 | 5.0 | 2.5 |
| Pioneer variety 25R40 | Red | 155.2 | 155.0 | 150.8 | ----- | 31.2 | 31.4 | 30.6 | ----- | 1.0 | 0.5 | 0.4 | ----- | 3.0 | 1.4 | 3.0 | 7.3 | 2.1 |
| DF 109R | Red | 155.3 | 155.2 | 151.4 | ----- | 34.2 | 34.2 | 33.2 | ----- | 5.4 | 3.7 | 3.4 | ----- | 2.0 | 1.6 | 2.3 | 5.7 | 2.0 |
| Pioneer variety 25R34 | Red | 154.3 | 154.2 | 150.0 | 150.9 | 33.5 | 34.4 | 33.3 | 33.5 | 5.7 | 5.4 | 5.3 | 5.0 | 4.0 | 1.1 | 2.7 | 3.0 | 1.3 |
| XW 1401 | Red | 153.9 | ----- | ----- | ----- | 32.8 | ----- | ----- | ----- | 4.9 | ----- | ----- | ----- | 4.0 | 1.1 | 3.7 | 2.7 | ----- |
| GB 1404 | Red | 153.7 | ----- | ----- | ----- | 32.0 | ----- | ----- | ----- | 7.3 | ----- | ----- | ----- | 5.5 | 1.1 | 3.0 | 3.0 | ----- |
| DF 111R | Red | 154.9 | 154.7 | ----- | ----- | 35.7 | 35.6 | ----- | ----- | 5.3 | 2.7 | ----- | ----- | ----- | 1.4 | 2.7 | 2.0 | 1.9 |
| L-Brand 334 | Red | 154.3 | ----- | ----- | ----- | 34.0 | ----- | ----- | ----- | 3.7 | ----- | ----- | ----- | 1.5 | 1.4 | 3.3 | 5.3 | ----- |
| MCIA EXP A | Red | 153.7 | 153.4 | ----- | ----- | 33.2 | 33.7 | ----- | ----- | 9.0 | 6.5 | ----- | ----- | 0.9 | 1.1 | 3.7 | 3.0 | 2.8 |
| MCIA Red Dragon | Red | 154.1 | 154.1 | 150.1 | 150.9 | 37.3 | 37.7 | 36.4 | 36.9 | 3.3 | 3.2 | 2.1 | 1.8 | 2.5 | 1.0 | 3.0 | 4.3 | 1.2 |
| MCIA EXP B | Red | 153.9 | 153.7 | ----- | ----- | 33.3 | 33.9 | ----- | ----- | 7.7 | 5.9 | ----- | ----- | 3.0 | 1.0 | 4.3 | 2.7 | 3.3 |
| SY 483 | Red | 157.2 | 156.6 | ----- | ----- | 34.2 | 34.4 | ----- | ----- | 3.4 | 2.2 | ----- | ----- | 3.0 | 1.3 | 3.0 | 4.3 | 1.0 |
| DF 105R | Red | 153.6 | 153.3 | 149.3 | 150.4 | 32.5 | 32.5 | 31.2 | 31.5 | 3.3 | 2.2 | 3.3 | 3.1 | 6.0 | 1.0 | 3.3 | 5.0 | 2.9 |
| DF EX W C-2 | Red | 154.3 | ----- | ----- | ----- | 31.0 | ----- | ----- | ----- | 4.0 | ----- | ----- | ----- | 6.0 | 1.7 | 1.7 | 7.0 | ----- |
| HS 284R | Red | 154.1 | 154.1 | ----- | ----- | 37.7 | 38.1 | ----- | ----- | 3.0 | 2.5 | ----- | ----- | 4.5 | 1.4 | 3.7 | 4.0 | 1.9 |
| Sienna | Red | 154.3 | 154.0 | ----- | ----- | 37.3 | 38.3 | ----- | ----- | 4.4 | 3.2 | ----- | ----- | 2.5 | 1.4 | 2.3 | 4.0 | 2.1 |
| Sunstar S-2000 | Red | 153.3 | ----- | ----- | ----- | 32.3 | ----- | ----- | ----- | 6.3 | ----- | ----- | ----- | 3.4 | 1.3 | 3.7 | 2.7 | ----- |
| AgriMAXX 413 | Red | 154.0 | 153.4 | 149.3 | ----- | 32.3 | 32.2 | 31.5 | ----- | 4.9 | 2.5 | 2.8 | ----- | ----- | 1.0 | 2.7 | 4.7 | 2.9 |
| Steyer Heilman | Red | 154.1 | 154.2 | 150.1 | ----- | 38.7 | 38.9 | 37.3 | ----- | 4.7 | 2.4 | 1.6 | ----- | 2.5 | 1.6 | 2.7 | 4.3 | 1.3 |
| W 125 | Red | 154.6 | 154.3 | 150.3 | ----- | 37.7 | 38.0 | 36.6 | ----- | 3.0 | 2.5 | 2.4 | ----- | 1.5 | 1.4 | 3.0 | 4.3 | 2.7 |
| W 204 | Red | 153.3 | ----- | ----- | ----- | 33.0 | ----- | ----- | ----- | 4.3 | ----- | ----- | ----- | 4.5 | 1.3 | 2.3 | 2.7 | ----- |
| SY 474 | Red | 155.3 | ----- | ----- | ----- | 34.7 | ----- | ----- | ----- | 3.7 | ----- | ----- | ----- | 2.5 | 1.0 | 2.7 | 3.7 | ----- |
| GB 1202 | Red | 153.9 | 153.4 | ----- | ----- | 32.7 | 32.2 | ----- | ----- | 5.0 | 2.5 | ----- | ----- | 3.0 | 1.1 | 3.0 | 4.3 | 2.0 |
| Diener 503 | Red | 154.2 | ----- | ----- | ----- | 37.8 | ----- | ----- | ----- | 2.3 | ----- | ----- | ----- | 3.0 | 1.3 | 2.7 | 4.7 | ----- |
| Sunstar S-1200 | Red | 154.0 | 153.8 | ----- | ----- | 32.3 | 33.5 | ----- | ----- | 4.4 | 3.7 | ----- | ----- | 5.0 | 1.7 | 4.0 | 5.3 | 1.1 |
| MCIA Whale | Red | 156.3 | 156.5 | ----- | ----- | 35.3 | 35.1 | ----- | ----- | 7.7 | 5.9 | ----- | ----- | 4.0 | 1.1 | 2.3 | 5.7 | 2.0 |
| RS 907 | Red | 154.6 | 154.1 | ----- | ----- | 33.2 | 33.2 | ----- | ----- | 4.3 | 2.7 | ----- | ----- | ----- | 1.4 | 2.7 | 5.3 | 2.0 |
| MCIA 7002012 | Red | 154.6 | 154.3 | ----- | ----- | 32.8 | 34.1 | ----- | ----- | 2.5 | 1.3 | ----- | ----- | 3.0 | 1.3 | 3.0 | 1.3 | 0.6 |
| LCS News | Red | 152.8 | 152.7 | ----- | ----- | 32.3 | 33.1 | ----- | ----- | 3.0 | 1.5 | ----- | ----- | 0.0 | 1.1 | 4.7 | 5.7 | 2.0 |
| L-Brand 241 | Red | 153.0 | ----- | ----- | ----- | 34.8 | ----- | ----- | ----- | 7.8 | ----- | ----- | ----- | 4.0 | 1.0 | 4.3 | 3.0 | ----- |
| Diener 492 | Red | 153.7 | 153.5 | 149.7 | ----- | 32.5 | 32.8 | 31.5 | ----- | 3.0 | 2.0 | 2.3 | ----- | 3.4 | 1.0 | 3.0 | 4.3 | 3.4 |
| AgriMAXX 447 | Red | 156.2 | ----- | ----- | ----- | 35.2 | ----- | ----- | ----- | 6.3 | ----- | ----- | ----- | 3.0 | 1.0 | 2.7 | 6.7 | ----- |
| L-Brand 400 | Red | 154.4 | ----- | ----- | ----- | 33.5 | ----- | ----- | ----- | 5.7 | ----- | ----- | ----- | 2.0 | 1.4 | 3.3 | 6.7 | ----- |
| RS 967 | Red | 153.9 | ----- | ----- | ----- | 33.7 | ----- | ----- | ----- | 4.3 | ----- | ----- | ----- | 1.5 | 1.3 | 2.7 | 4.7 | ----- |
| MCIA Red Devil | Red | 154.3 | 154.6 | 150.5 | 151.4 | 33.7 | 34.0 | 32.8 | 33.5 | 1.5 | 0.8 | 0.9 | 0.9 | 2.0 | 1.0 | 3.0 | 1.3 | 1.8 |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Pioneer variety 25R39 | Red | 155.8 | 156.3 | 152.0 | 152.7 | 34.5 | 34.5 | 33.1 | 33.4 | 7.0 | 6.0 | 5.1 | 4.4 | 4.0 | 1.3 | 4.3 | 2.7 | 1.1 |
| MCIA Blazer | Red | 153.4 | 153.3 | 149.1 | ----- | 33.5 | 33.5 | 32.8 | ----- | 2.3 | 1.2 | 1.2 | ----- | 1.5 | 1.1 | 2.0 | 4.7 | 2.0 |
| Guardian | Red | 154.9 | ----- | ----- | ----- | 32.2 | ----- | ----- | ----- | 3.3 | ----- | ----- | ----- | 5.0 | 1.3 | 2.3 | 2.0 | ----- |
| HS 06R EXP | Red | 154.6 | ----- | ----- | ----- | 32.2 | ----- | ----- | ----- | 1.5 | ----- | ----- | ----- | ----- | 1.3 | 2.0 | 1.3 | ----- |
| AgriMAXX 427 | Red | 153.9 | 153.7 | ----- | ----- | 32.7 | 33.4 | ----- | ----- | 3.9 | 2.0 | ----- | ----- | 3.5 | 1.3 | 2.7 | 7.7 | 1.6 |
| W 205 | Red | 156.8 | 157.2 | ----- | ----- | 34.2 | 34.3 | ----- | ----- | 6.0 | 4.0 | ----- | ----- | 4.0 | 1.9 | 2.3 | 5.0 | 1.0 |
| W 123 | Red | 154.2 | 153.8 | 149.6 | 150.5 | 37.7 | 38.5 | 36.9 | 35.9 | 6.0 | 4.5 | 4.0 | 3.0 | 3.0 | 1.9 | 2.7 | 4.0 | 1.9 |
| EXP 13W34 | Red | 156.3 | ----- | ----- | ----- | 35.2 | ----- | ----- | ----- | 4.9 | ----- | ----- | ----- | 2.0 | 2.0 | 2.3 | 6.7 | ----- |
| W 208 | Red | 154.9 | 154.6 | 150.8 | ----- | 33.0 | 34.1 | 34.0 | ----- | 3.0 | 2.0 | 1.4 | ----- | 2.0 | 1.4 | 3.0 | 3.0 | 1.2 |
| Steyer Pierson | Red | 154.9 | 154.4 | ----- | ----- | 32.7 | 34.2 | ----- | ----- | 3.3 | 1.7 | ----- | ----- | 4.9 | 1.1 | 2.3 | 2.7 | 3.2 |
| Malabar | Red | 154.7 | 154.3 | 151.2 | 151.8 | 37.8 | 37.5 | 35.9 | 36.3 | 3.3 | 3.2 | 2.5 | 1.9 | 1.5 | 1.3 | 4.0 | 4.7 | 1.1 |
| Hopewell | Red | 155.3 | 155.0 | 151.3 | 152.2 | 35.7 | 35.8 | 34.7 | 34.8 | 3.7 | 2.4 | 1.7 | 1.6 | 2.0 | 1.1 | 3.0 | 4.7 | 3.5 |
| MCIA EXP4 | Red | 155.4 | 155.8 | 151.9 | ----- | 35.0 | 35.7 | 34.9 | ----- | 7.3 | 3.7 | 2.4 | ----- | 1.5 | 1.0 | 4.3 | 6.0 | 1.5 |
| HS 30R EXP | Red | 156.9 | ----- | ----- | ----- | 34.5 | ----- | ----- | ----- | 4.3 | ----- | ----- | ----- | 5.5 | 1.4 | 1.3 | 5.7 | ----- |
| Red Ruby | Red | 155.7 | 155.5 | 151.3 | 152.1 | 34.2 | 33.9 | 33.0 | 33.4 | 3.7 | 1.9 | 1.8 | 1.5 | 3.9 | 1.6 | 3.3 | 4.3 | 0.9 |
| DF EX R K | Red | 153.7 | ----- | ----- | ----- | 35.7 | ----- | ----- | ----- | 1.7 | ----- | ----- | ----- | 2.0 | 1.3 | 2.7 | 7.0 | ----- |
| DF EX R D | Red | 154.1 | ----- | ----- | ----- | 32.5 | ----- | ----- | ----- | 3.4 | ----- | ----- | ----- | 2.0 | 1.1 | 3.0 | 4.7 | ----- |
| L-Brand 314 | Red | 153.2 | 153.0 | ----- | ----- | 36.3 | 36.1 | ----- | ----- | 5.3 | 4.2 | ----- | ----- | 2.5 | 1.1 | 3.0 | 5.7 | 1.1 |
| MCIA EXP 113 | Red | 156.0 | ----- | ----- | ----- | 29.5 | ----- | ----- | ----- | 1.0 | ----- | ----- | ----- | 7.5 | 1.9 | 2.7 | 1.7 | ----- |
| Sunburst | Red | 155.7 | 155.9 | 151.6 | 152.0 | 29.7 | 30.7 | 29.6 | 30.7 | 1.7 | 0.9 | 0.6 | 0.9 | 1.5 | 1.4 | 2.7 | 5.0 | 2.5 |
| MCIA EXP 213 | Red | 155.8 | ----- | ----- | ----- | 33.8 | ----- | ----- | ----- | 2.0 | ----- | ----- | ----- | 6.0 | 1.7 | 3.0 | 5.3 | ----- |
| F0036R | Red | 156.4 | 155.8 | ----- | ----- | 28.0 | 29.3 | ----- | ----- | 5.0 | 2.5 | ----- | ----- | 3.0 | 1.6 | 1.7 | 7.3 | 1.6 |
| Shirley | Red | 155.6 | 156.0 | 151.6 | 152.4 | 30.2 | 30.4 | 29.6 | 30.1 | 1.0 | 0.5 | 0.3 | 0.3 | 2.0 | 2.0 | 1.7 | 3.7 | 1.2 |
| AC Mountain | White | 156.2 | 156.0 | 152.5 | 153.1 | 37.3 | 38.1 | 36.9 | 36.8 | 3.3 | 2.2 | 1.4 | 1.9 | 7.5 | 1.0 | 2.7 | 5.0 | 3.1 |
| Ambassador | White | 155.0 | 154.9 | 150.4 | 151.3 | 34.0 | 34.2 | 33.2 | 33.6 | 2.7 | 1.4 | 0.9 | 0.8 | 6.4 | 1.1 | 3.7 | 6.7 | 2.1 |
| 9242W | White | 154.4 | 154.9 | 150.8 | 151.6 | 33.5 | 33.9 | 32.8 | 33.5 | 4.3 | 2.2 | 1.6 | 1.7 | 6.0 | 1.3 | 3.0 | 6.7 | 2.7 |
| Jupiter | White | 156.2 | 156.1 | 152.4 | 153.2 | 32.2 | 32.7 | 31.9 | 32.2 | 5.3 | 4.2 | 2.8 | 2.7 | ----- | 1.6 | 2.7 | 3.0 | 0.8 |
| Ava | White | 156.6 | 157.3 | 153.6 | 154.2 | 37.5 | 37.3 | 36.4 | 36.8 | 3.7 | 3.4 | 2.2 | 2.1 | 8.5 | 1.1 | 3.0 | 3.0 | 2.5 |
| 9362W | White | 155.2 | 155.4 | ----- | ----- | 32.5 | 32.8 | ----- | ----- | 4.7 | 3.9 | ----- | ----- | 7.5 | 1.4 | 2.0 | 4.7 | 1.7 |
| Linebacker | White | 157.0 | 157.0 | 153.1 | 153.8 | 34.2 | 35.6 | 34.7 | 35.1 | 5.3 | 4.2 | 3.0 | 3.3 | ----- | 1.4 | 2.3 | 7.3 | 0.0 |
| E6012 | White | 156.0 | 155.2 | 151.0 | 151.9 | 31.3 | 32.4 | 32.1 | 32.3 | 4.0 | 2.0 | 2.1 | 2.4 | 4.9 | 2.0 | 1.7 | 3.7 | 0.2 |
| DF EX W B | White | 154.6 | ----- | ----- | ----- | 34.7 | ----- | ----- | ----- | 2.3 | ----- | ----- | ----- | 7.5 | 1.0 | 3.7 | 6.3 | ----- |
| Aubrey | White | 154.0 | 153.9 | 149.9 | 150.8 | 33.0 | 34.1 | 33.5 | 34.1 | 2.0 | 1.0 | 0.7 | 1.1 | 6.4 | 1.0 | 3.3 | 4.0 | 2.7 |
| DF 110W | White | 155.9 | 155.6 | 151.4 | ----- | 30.3 | 31.6 | 30.7 | ----- | 2.0 | 1.5 | 1.3 | ----- | 7.0 | 1.3 | 3.3 | 1.3 | 1.2 |
| Pioneer variety 25W31 | White | 155.6 | ----- | ----- | ----- | 32.3 | ----- | ----- | ----- | 1.7 | ----- | ----- | ----- | 6.0 | 1.3 | 2.7 | 7.3 | ----- |
| MCIA Venus | White | 154.6 | 154.2 | 149.7 | ----- | 34.3 | 34.7 | 33.8 | ----- | 2.3 | 1.2 | 1.0 | ----- | 3.9 | 3.1 | 3.7 | 7.3 | 0.0 |
| DF EX B W-3 | White | 155.3 | ----- | ----- | ----- | 32.0 | ----- | ----- | ----- | 3.0 | ----- | ----- | ----- | 6.0 | 1.1 | 3.0 | 7.3 | ----- |
| 9491W | White | 155.7 | ----- | ----- | ----- | 31.0 | ----- | ----- | ----- | 1.7 | ----- | ----- | ----- | 7.0 | 1.1 | 3.7 | 3.0 | ----- |
| SY 901 | White | 155.9 | 156.2 | ----- | ----- | 31.5 | 32.5 | ----- | ----- | 4.9 | 2.5 | ----- | ----- | 4.5 | 2.1 | 4.0 | 1.3 | 2.1 |
| MCIA E5024 | White | 157.2 | ----- | ----- | ----- | 30.7 | ----- | ----- | ----- | 1.7 | ----- | ----- | ----- | ----- | 1.9 | 2.7 | 3.3 | ----- |
| VA09W-192WS | White | 156.6 | ----- | ----- | ----- | 32.0 | ----- | ----- | ----- | 2.0 | ----- | ----- | ----- | 4.9 | 3.3 | 2.0 | 6.0 | ----- |
| **MEAN (2014 90 Entries)** | | **155.0** | **154.8** | **150.9** | **151.9** | **33.8** | **34.3** | **33.5** | **33.9** | **4.1** | **2.8** | **2.2** | **2.1** | **3.7** | **1.4** | **2.9** | **4.6** | **1.9** |
| **LSD (0.05)** | | **0.5** | **0.9** | **1.0** | **0.9** | **0.9** | **1.4** | **1.3** | **1.4** | **1.6** | **2.1** | **2.0** | **1.7** | **2.4** | **0.5** | **1.1** | **1.3** | **1.1** |
| **CV (%)** | | **0.4** | **0.3** | **0.4** | **0.4** | **2.8** | **2.1** | **2,3** | **3.0** | **29.7** | **38.1** | **55.3** | **57.9** | **0.5** | **44.8** | **27.0** | **20.4** | **33.8** |

# 2014 Michigan State University Wheat Performance Trials (Including Experimentals)

Multi-year data are the most informative.

**Table 3 : Multi-Year Performance Summary (Note: Tables sorted by 2014 Yield, red wheats grouped before white)**

MSU makes no endorsement of any variety or brand.

| Name | Grain Color | Leaf Rust Score (0-9) | | | | Stripe Rust Score (0-9) | | | FHB (Scab) : Field Observation | | | | | | DON (ppm) in grain | | | | Black Point (tip) Percent | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Multi-Year Averages | | | | Multi-Year Averages | | Incidence (% of spikes) | | Severity (% within spikes) | | Index (% overall infection) | | | Multi-Year Averages | | | | Multi-Year Averages | |
| | | 2014 | 2 YR 2013-14 | 3 YR 2012-14 | 4 YR 2011-14 | 2013 | 2 YR 2012-13 | 3 YR 2011-13 | 2014 | 2 YR 2013-14 | 2014 | 2 YR 2013-14 | 2014 | 2 YR 2013-14 | 2013 | 2 YR 2012-13 | 3 YR 2011-13 | 4 YR 2010-13 | 2013 | 2 YR 2012-13 | 3 YR 2011-13 |
| Diener 512 | Red | 5.3 | 2.8 | ----- | ----- | 0.0 | ----- | ----- | 72.5 | 41.6 | 31.5 | 28.9 | 24.2 | 12.1 | 14.6 | ----- | ----- | ----- | 20.7 | ----- | ----- |
| DF EX R C-1 | Red | 1.7 | ----- | ----- | ----- | ----- | ----- | ----- | 72.5 | ----- | 46.1 | ----- | 34.5 | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- |
| Steyer Hunker | Red | 5.0 | 2.6 | 1.9 | ----- | 0.5 | 1.1 | ----- | 65.0 | 46.4 | 36.4 | 36.9 | 23.8 | 17.9 | 17.6 | 8.9 | ----- | ----- | 34.3 | 18.7 | ----- |
| 9223 | Red | 4.3 | 2.8 | 2.5 | ----- | 0.3 | 1.6 | ----- | 85.0 | 55.9 | 19.2 | 32.6 | 16.1 | 14.5 | 15.9 | 8.1 | ----- | ----- | 26.7 | 15.8 | ----- |
| RS 9XP10 | Red | 0.0 | ----- | ----- | ----- | ----- | ----- | ----- | 87.5 | ----- | 29.5 | ----- | 26.6 | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- |
| W 206 | Red | 0.0 | 0.0 | ----- | ----- | 3.2 | ----- | ----- | 67.5 | 41.7 | 22.3 | 25.9 | 17.3 | 12.0 | 10.0 | ----- | ----- | ----- | 24.8 | ----- | ----- |
| AgriMAXX 438 | Red | 3.0 | 2.2 | ----- | ----- | 1.2 | ----- | ----- | 80.0 | 67.2 | 39.7 | 43.5 | 31.2 | 28.7 | 12.1 | ----- | ----- | ----- | 15.7 | ----- | ----- |
| DF 112R | Red | 5.7 | 4.0 | ----- | ----- | 0.3 | ----- | ----- | 65.0 | 60.1 | 35.7 | 39.1 | 24.0 | 22.8 | 18.8 | ----- | ----- | ----- | 15.1 | ----- | ----- |
| RS 972 | Red | 5.0 | 3.1 | 3.0 | ----- | 1.6 | 0.0 | ----- | 72.5 | 50.2 | 37.9 | 35.3 | 29.9 | 18.9 | 14.2 | 7.3 | ----- | ----- | 24.8 | 13.6 | ----- |
| W 207 | Red | 3.3 | 1.9 | ----- | ----- | 1.0 | ----- | ----- | 70.0 | 54.5 | 37.4 | 38.4 | 27.3 | 20.7 | 13.0 | ----- | ----- | ----- | 40.7 | ----- | ----- |
| Pioneer variety 25R40 | Red | 2.7 | 1.4 | 1.4 | ----- | 0.0 | 0.4 | ----- | 77.5 | 64.7 | 24.3 | 38.8 | 20.5 | 22.4 | 16.4 | 8.4 | ----- | ----- | 11.6 | 8.7 | ----- |
| DF 109R | Red | 4.0 | 2.1 | 2.0 | ----- | 0.0 | 0.2 | ----- | 65.0 | 52.8 | 24.8 | 32.4 | 15.8 | 17.0 | 17.0 | 8.6 | ----- | ----- | 25.4 | 15.5 | ----- |
| Pioneer variety 25R34 | Red | 2.7 | 1.4 | 1.2 | 1.4 | 0.2 | 1.7 | 0.6 | 58.8 | 47.8 | 17.9 | 29.6 | 10.8 | 15.2 | 12.3 | 6.2 | 4.3 | ----- | 7.1 | 4.0 | 4.7 |
| XW 1401 | Red | 0.3 | ----- | ----- | ----- | ----- | ----- | ----- | 75.0 | ----- | 29.3 | ----- | 22.4 | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- |
| GB 1404 | Red | 0.7 | ----- | ----- | ----- | ----- | ----- | ----- | 65.0 | ----- | 22.3 | ----- | 13.6 | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- |
| DF 111R | Red | 2.7 | 1.6 | ----- | ----- | 4.8 | ----- | ----- | 85.0 | 43.6 | 24.2 | 21.1 | 20.8 | 10.4 | 15.5 | ----- | ----- | ----- | 46.7 | ----- | ----- |
| L-Brand 334 | Red | 2.0 | ----- | ----- | ----- | ----- | ----- | ----- | 46.3 | ----- | 19.1 | ----- | 9.0 | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- |
| MCIA EXP A | Red | 0.3 | 0.6 | ----- | ----- | 1.5 | ----- | ----- | 75.0 | 49.8 | 45.9 | 42.3 | 34.9 | 21.2 | 10.9 | ----- | ----- | ----- | 28.6 | ----- | ----- |
| MCIA Red Dragon | Red | 3.7 | 2.3 | 2.4 | 2.4 | 3.2 | 2.6 | 2.1 | 75.0 | 44.3 | 41.0 | 43.7 | 31.0 | 19.9 | 10.8 | 5.5 | 3.9 | 5.7 | 20.1 | 11.7 | 10.5 |
| MCIA EXP B | Red | 0.3 | 0.2 | ----- | ----- | 0.0 | ----- | ----- | 92.5 | 62.7 | 33.5 | 32.8 | 31.7 | 22.1 | 13.4 | ----- | ----- | ----- | 42.5 | ----- | ----- |
| SY 483 | Red | 2.7 | 1.6 | ----- | ----- | 0.0 | ----- | ----- | 90.0 | 56.7 | 42.0 | 37.8 | 38.2 | 23.9 | 21.1 | ----- | ----- | ----- | 20.6 | ----- | ----- |
| DF 105R | Red | 2.3 | 1.9 | 1.7 | 1.5 | 0.6 | 1.0 | 0.4 | 77.5 | 56.2 | 29.9 | 26.0 | 23.3 | 16.2 | 17.5 | 8.8 | 6.2 | ----- | 9.2 | 6.2 | 11.7 |
| DF EX W C-2 | Red | 1.3 | ----- | ----- | ----- | ----- | ----- | ----- | 55.0 | ----- | 22.2 | ----- | 12.2 | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- |
| HS 284R | Red | 3.3 | 2.9 | ----- | ----- | 2.5 | ----- | ----- | 72.5 | 41.3 | 27.5 | 31.9 | 19.8 | 12.3 | 12.1 | ----- | ----- | ----- | 16.9 | ----- | ----- |
| Sienna | Red | 4.0 | 2.5 | ----- | ----- | 2.4 | ----- | ----- | 67.5 | 40.2 | 45.2 | 50.7 | 30.8 | 20.6 | 13.1 | ----- | ----- | ----- | 13.5 | ----- | ----- |
| Sunstar S-2000 | Red | 0.7 | ----- | ----- | ----- | ----- | ----- | ----- | 92.5 | ----- | 21.0 | ----- | 19.2 | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- |
| AgriMAXX 413 | Red | 3.7 | 2.8 | 2.2 | ----- | 0.0 | 0.0 | ----- | 67.5 | 56.3 | 16.9 | 31.9 | 11.3 | 17.8 | 16.7 | 8.4 | ----- | ----- | 7.0 | 5.3 | ----- |
| Steyer Heilman | Red | 2.7 | 1.8 | 2.5 | ----- | 3.2 | 4.0 | ----- | 60.0 | 34.1 | 46.4 | 39.2 | 27.9 | 15.2 | 12.6 | 6.4 | ----- | ----- | 15.2 | 9.2 | ----- |
| W 125 | Red | 3.7 | 2.2 | 2.2 | ----- | 2.2 | 2.7 | ----- | 77.5 | 47.7 | 34.8 | 37.1 | 27.0 | 17.8 | 11.2 | 5.8 | ----- | ----- | 22.0 | 12.2 | ----- |
| W 204 | Red | 0.7 | ----- | ----- | ----- | ----- | ----- | ----- | 75.0 | ----- | 30.8 | ----- | 23.6 | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- |
| SY 474 | Red | 2.3 | ----- | ----- | ----- | ----- | ----- | ----- | 75.0 | ----- | 21.1 | ----- | 16.6 | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- |
| GB 1202 | Red | 2.3 | 2.1 | ----- | ----- | 0.0 | ----- | ----- | 77.5 | 53.8 | 32.1 | 38.6 | 25.3 | 19.0 | 12.3 | ----- | ----- | ----- | 22.2 | ----- | ----- |
| Diener 503 | Red | 3.7 | ----- | ----- | ----- | ----- | ----- | ----- | 51.3 | ----- | 50.5 | ----- | 28.8 | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- |
| Sunstar S-1200 | Red | 2.7 | 1.8 | ----- | ----- | 0.7 | ----- | ----- | 65.0 | 54.6 | 28.7 | 27.3 | 17.7 | 15.9 | 12.6 | ----- | ----- | ----- | 35.8 | ----- | ----- |
| MCIA Whale | Red | 1.0 | 0.5 | ----- | ----- | 0.0 | ----- | ----- | 65.6 | 51.3 | 34.0 | 36.2 | 23.8 | 20.7 | 20.2 | ----- | ----- | ----- | 39.7 | ----- | ----- |
| RS 907 | Red | 1.3 | 1.0 | ----- | ----- | 1.3 | ----- | ----- | 65.0 | 52.5 | 17.5 | 25.3 | 11.0 | 13.3 | 7.9 | ----- | ----- | ----- | 33.9 | ----- | ----- |
| MCIA 7002012 | Red | 0.3 | 0.6 | ----- | ----- | 4.4 | ----- | ----- | 72.5 | 36.3 | 19.0 | 22.1 | 14.1 | 7.1 | 9.0 | ----- | ----- | ----- | 31.1 | ----- | ----- |
| LCS News | Red | 4.0 | 2.2 | ----- | ----- | 1.4 | ----- | ----- | 67.5 | 48.8 | 46.3 | 45.3 | 32.0 | 23.2 | 10.9 | ----- | ----- | ----- | 21.9 | ----- | ----- |
| L-Brand 241 | Red | 2.0 | ----- | ----- | ----- | ----- | ----- | ----- | 60.0 | ----- | 16.1 | ----- | 10.9 | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- |
| Diener 492 | Red | 3.3 | 1.9 | 1.6 | ----- | 0.0 | 0.4 | ----- | 77.5 | 57.6 | 18.6 | 27.8 | 13.6 | 11.5 | 14.6 | 7.4 | ----- | ----- | 12.6 | 7.7 | ----- |
| AgriMAXX 447 | Red | 1.0 | ----- | ----- | ----- | ----- | ----- | ----- | 80.0 | ----- | 56.3 | ----- | 45.2 | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- |
| L-Brand 400 | Red | 2.0 | ----- | ----- | ----- | ----- | ----- | ----- | 70.0 | ----- | 23.1 | ----- | 15.1 | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- |
| RS 967 | Red | 1.0 | ----- | ----- | ----- | ----- | ----- | ----- | 82.5 | ----- | 24.4 | ----- | 19.8 | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- |
| MCIA Red Devil | Red | 0.7 | 0.4 | 0.5 | 0.6 | 1.0 | 1.1 | 1.7 | 92.5 | 54.5 | 30.4 | 30.7 | 27.8 | 18.0 | 16.1 | 8.1 | 5.6 | 7.1 | 29.0 | 16.3 | 21.1 |

# 2014 Michigan State University Wheat Performance Trials (Including Experimentals)

Multi-year data are the most informative.

**Table 3 : Multi-Year Performance Summary (Note: Tables sorted by 2014 Yield, red wheats grouped before white)**

MSU makes no endorsement of any variety or brand.

| Name | Grain Color | Leaf Rust Score (0-9) | | | | Stripe Rust Score (0-9) | | | FHB (Scab) : Field Observation | | | | | | DON (ppm) in grain | | | | Black Point (tip) Percent | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Multi-Year Averages | | | | Multi-Year Averages | | Incidence (% of spikes) | | Severity (% within spikes) | | Index (% overall infection) | | | Multi-Year Averages | | | | Multi-Year Averages | |
| | | 2014 | 2 YR 2013-14 | 3 YR 2012-14 | 4 YR 2011-14 | 2013 | 2 YR 2012-13 | 3 YR 2011-13 | 2014 | 2 YR 2013-14 | 2014 | 2 YR 2013-14 | 2014 | 2 YR 2013-14 | 2013 | 2 YR 2012-13 | 3 YR 2011-13 | 4 YR 2010-13 | 2013 | 2 YR 2012-13 | 3 YR 2011-13 |
| Pioneer variety 25R39 | Red | 2.0 | 1.5 | 1.4 | 1.6 | 0.0 | 1.3 | 0.5 | 87.5 | 55.2 | 35.3 | 37.8 | 29.8 | 20.8 | 10.9 | 5.6 | 3.9 | 5.5 | 4.0 | 3.0 | 3.7 |
| MCIA Blazer | Red | 2.3 | 1.3 | 1.1 | ----- | 0.8 | 2.9 | ----- | 75.0 | 63.2 | 42.0 | 39.2 | 32.8 | 26.6 | 13.2 | 6.7 | ----- | ----- | 24.9 | 13.9 | ----- |
| Guardian | Red | 0.3 | ----- | ----- | ----- | ----- | ----- | ----- | 82.5 | ----- | 21.0 | ----- | 17.9 | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- |
| HS 06R EXP | Red | 0.3 | ----- | ----- | ----- | ----- | ----- | ----- | 72.5 | ----- | 13.2 | ----- | 10.7 | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- |
| AgriMAXX 427 | Red | 3.7 | 2.5 | ----- | ----- | 1.2 | ----- | ----- | 72.5 | 55.1 | 19.3 | 33.7 | 14.5 | 17.4 | 15.7 | ----- | ----- | ----- | 27.2 | ----- | ----- |
| W 205 | Red | 1.3 | 0.9 | ----- | ----- | 0.8 | ----- | ----- | 90.0 | 62.8 | 49.7 | 37.8 | 44.6 | 27.7 | 17.1 | ----- | ----- | ----- | 30.8 | ----- | ----- |
| W 123 | Red | 2.7 | 1.8 | 1.8 | 2.5 | 3.8 | 3.6 | 2.5 | 57.5 | 34.8 | 25.7 | 43.0 | 15.1 | 11.7 | 12.7 | 6.6 | 4.6 | 6.2 | 25.2 | 15.3 | 17.8 |
| EXP 13W34 | Red | 1.3 | ----- | ----- | ----- | ----- | ----- | ----- | 90.0 | ----- | 49.7 | ----- | 44.9 | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- |
| W 208 | Red | 1.3 | 0.7 | 0.8 | ----- | 5.3 | 6.9 | ----- | 57.5 | 28.8 | 16.3 | 23.8 | 10.9 | 5.6 | 14.0 | 7.1 | ----- | ----- | 27.1 | 15.9 | ----- |
| Steyer Pierson | Red | 1.0 | 0.5 | ----- | ----- | 6.5 | ----- | ----- | 70.0 | 39.1 | 14.6 | 17.6 | 10.4 | 6.5 | 8.7 | ----- | ----- | ----- | 20.2 | ----- | ----- |
| Malabar | Red | 8.0 | 4.8 | 4.2 | 4.8 | 6.7 | 5.8 | 4.3 | 87.5 | 53.9 | 28.1 | 21.4 | 25.9 | 13.9 | 15.5 | 7.9 | 5.4 | 6.1 | 22.9 | 12.6 | 10.1 |
| Hopewell | Red | 4.3 | 2.5 | 2.9 | 3.0 | 3.0 | 3.4 | 2.3 | 72.5 | 50.3 | 42.1 | 41.7 | 31.7 | 21.2 | 19.4 | 10.0 | 7.1 | 9.9 | 10.8 | 7.0 | 6.4 |
| MCIA EXP4 | Red | 1.7 | 1.1 | 1.5 | ----- | 2.1 | 1.9 | ----- | 67.5 | 48.9 | 17.7 | 30.5 | 11.9 | 13.0 | 13.0 | 6.6 | ----- | ----- | 27.4 | 14.7 | ----- |
| HS 30R EXP | Red | 1.0 | ----- | ----- | ----- | ----- | ----- | ----- | 90.0 | ----- | 29.2 | ----- | 26.7 | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- |
| Red Ruby | Red | 4.3 | 2.3 | 2.8 | 2.9 | 6.0 | 4.5 | 5.4 | 90.0 | 68.5 | 39.7 | 45.2 | 36.2 | 30.0 | 23.1 | 11.7 | 8.1 | 9.4 | 14.3 | 10.9 | 10.2 |
| DF EX R K | Red | 2.7 | ----- | ----- | ----- | ----- | ----- | ----- | 45.0 | ----- | 17.0 | ----- | 7.3 | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- |
| DF EX R D | Red | 1.7 | ----- | ----- | ----- | ----- | ----- | ----- | 92.5 | ----- | 39.4 | ----- | 35.9 | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- |
| L-Brand 314 | Red | 3.3 | 2.0 | ----- | ----- | 2.8 | ----- | ----- | 90.0 | 54.0 | 41.6 | 43.4 | 37.1 | 21.6 | 12.5 | ----- | ----- | ----- | 38.0 | ----- | ----- |
| MCIA EXP 113 | Red | 0.3 | ----- | ----- | ----- | ----- | ----- | ----- | 77.5 | ----- | 51.5 | ----- | 39.8 | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- |
| Sunburst | Red | 1.3 | 1.5 | 1.4 | 2.2 | 0.0 | 2.5 | 0.2 | 82.5 | 68.2 | 23.3 | 31.0 | 20.7 | 21.2 | 13.8 | 7.1 | 5.2 | 5.9 | 12.7 | 8.5 | 10.0 |
| MCIA EXP 213 | Red | 0.7 | ----- | ----- | ----- | ----- | ----- | ----- | 95.0 | ----- | 34.7 | ----- | 33.5 | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- |
| F0036R | Red | 2.3 | 1.2 | ----- | ----- | 0.0 | ----- | ----- | 72.5 | 52.8 | 29.0 | 38.7 | 20.7 | 17.9 | 16.8 | ----- | ----- | ----- | 7.4 | ----- | ----- |
| Shirley | Red | 0.0 | 0.2 | 1.0 | 1.0 | 4.1 | 2.8 | 4.4 | 70.0 | 57.8 | 32.9 | 37.7 | 24.0 | 21.9 | 20.7 | 10.5 | 7.6 | ----- | 37.8 | 26.5 | 30.1 |
| AC Mountain | White | 3.3 | 1.9 | 1.8 | 2.2 | 5.8 | 3.9 | 5.2 | 85.0 | 52.5 | 47.9 | 45.8 | 39.5 | 24.9 | 14.9 | 7.7 | 5.7 | 8.7 | 11.9 | 8.8 | 15.7 |
| Ambassador | White | 4.0 | 2.3 | 2.1 | 2.2 | 5.4 | 4.0 | 4.2 | 92.5 | 64.5 | 58.9 | 59.9 | 54.9 | 39.3 | 34.3 | 17.5 | 12.5 | 14.5 | 8.6 | 5.9 | 6.6 |
| 9242W | White | 3.3 | 2.4 | 2.2 | 2.0 | 4.4 | 3.0 | 4.0 | 77.5 | 38.8 | 32.1 | 23.0 | 24.3 | 12.2 | 10.9 | 5.5 | 3.8 | ----- | 12.3 | 7.1 | 20.8 |
| Jupiter | White | 5.7 | 2.9 | 2.6 | 2.6 | 2.2 | 3.2 | 2.2 | 65.0 | 50.7 | 35.5 | 35.3 | 22.9 | 16.5 | 11.5 | 6.2 | 4.8 | 6.8 | 9.9 | 7.0 | 7.1 |
| Ava | White | 2.7 | 1.7 | 1.5 | 1.6 | 4.1 | 1.8 | 2.0 | 80.0 | 40.0 | 42.8 | 26.5 | 34.1 | 17.1 | 7.2 | 3.7 | 2.7 | 3.5 | 28.3 | 16.0 | 26.3 |
| 9362W | White | 2.3 | 1.4 | ----- | ----- | 0.6 | ----- | ----- | 75.0 | 41.3 | 24.5 | 20.9 | 19.2 | 10.3 | 12.8 | ----- | ----- | ----- | 15.6 | ----- | ----- |
| Linebacker | White | 4.7 | 2.6 | 3.0 | 3.2 | 4.9 | 4.4 | 3.7 | 82.5 | 53.6 | 37.0 | 37.1 | 32.0 | 22.2 | 15.0 | 7.6 | 5.4 | 6.9 | 16.2 | 10.2 | 10.6 |
| E6012 | White | 4.3 | 3.0 | 3.4 | 3.4 | 0.0 | 2.5 | 0.1 | 82.5 | 52.2 | 37.4 | 37.6 | 30.9 | 18.7 | 9.7 | 5.0 | 3.6 | 5.1 | 9.0 | 5.4 | 5.2 |
| DF EX W B | White | 3.7 | ----- | ----- | ----- | ----- | ----- | ----- | 77.5 | ----- | 32.7 | ----- | 25.4 | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- |
| Aubrey | White | 1.3 | 0.8 | 1.6 | 1.8 | 5.6 | 3.4 | 3.9 | 67.5 | 48.3 | 35.8 | 42.0 | 24.0 | 17.8 | 14.0 | 7.1 | 5.1 | 7.6 | 10.7 | 6.1 | 13.6 |
| DF 110W | White | 6.0 | 3.2 | 3.6 | ----- | 0.6 | 2.3 | ----- | 82.5 | 52.5 | 28.7 | 27.1 | 23.3 | 14.0 | 28.8 | 14.5 | ----- | ----- | 10.5 | 7.1 | ----- |
| Pioneer variety 25W31 | White | 0.7 | ----- | ----- | ----- | ----- | ----- | ----- | 72.5 | ----- | 14.1 | ----- | 10.0 | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- |
| MCIA Venus | White | 2.7 | 1.5 | 1.3 | ----- | 0.1 | 0.5 | ----- | 82.5 | 65.2 | 35.7 | 41.4 | 29.4 | 25.0 | 22.1 | 11.2 | ----- | ----- | 8.3 | 4.7 | ----- |
| DF EX B W-3 | White | 4.0 | ----- | ----- | ----- | ----- | ----- | ----- | 90.0 | ----- | 44.2 | ----- | 40.3 | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- |
| 9491W | White | 0.7 | ----- | ----- | ----- | ----- | ----- | ----- | 90.0 | ----- | 32.1 | ----- | 30.5 | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- |
| SY 901 | White | 3.3 | 2.3 | ----- | ----- | 0.0 | ----- | ----- | 92.5 | 67.2 | 42.9 | 37.9 | 39.1 | 27.2 | 31.7 | ----- | ----- | ----- | 8.2 | ----- | ----- |
| MCIA E5024 | White | 1.3 | ----- | ----- | ----- | ----- | ----- | ----- | 90.0 | ----- | 34.1 | ----- | 30.3 | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- |
| VA09W-192WS | White | 0.3 | ----- | ----- | ----- | ----- | ----- | ----- | 50.0 | ----- | 18.6 | ----- | 9.2 | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- |
| **MEAN (2014 90 Entries)** | | **2.4** | **1.8** | **2.0** | **2.2** | **2.1** | **2.7** | **2.6** | **75.3** | **51.5** | **31.8** | **34.9** | **24.8** | **18.5** | **15.2** | **8.0** | **5.6** | **7.3** | **21.2** | **10.6** | **12.8** |
| **LSD (0.05)** | | **1.1** | **2.2** | **1.7** | **1.5** | **2.5** | **1.5** | **2.4** | **18.6** | **26.2** | **14.6** | **20.6** | **14.2** | **17.3** | ----- | **7.7** | **5.6** | **4.7** | ----- | **11.8** | **13.7** |
| **CV (%)** | | **33.3** | **61.9** | **50.8** | **47.1** | **86.3** | **26.5** | **54.4** | **21.1** | **25.4** | **39.2** | **29.4** | **49.1** | **46.6** | ----- | **47.5** | **61.2** | **45.6** | ----- | **54.3** | **64.9** |

# 2014 Michigan State University Wheat Performance Trials (Including Experimentals)

Multi-year data are the most informative.

**Table 4 : Multi-Year Performance Summary (Note: Tables sorted by 2014 Yield, red wheats grouped before white)**

MSU makes no endorsement of any variety or brand.

| | | Milling and Baking Properties (2013 Crop and Earlier) | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Percent Flour Yield | | | | Percent Protein In Flour (at 14%) | | | | Softness Equivalent Percent | | | | Cookie Diameter (cm) | | | | Whole Grain Protein (at 12%) | | | |
| | | | Multi-Year Averages | | | | Multi-Year Averages | | | | Multi-Year Averages | | | | Multi-Year Averages | | | | Multi-Year Averages | | |
| Name | Grain Color | 2013 | 2 YR 2012-13 | 3 YR 2011-13 | 4 YR 2010-13 | 2013 | 2 YR 2012-13 | 3 YR 2011-13 | 4 YR 2010-13 | 2013 | 2 YR 2012-13 | 3 YR 2011-13 | 4 YR 2010-13 | 2013 | 2 YR 2012-13 | 3 YR 2011-13 | 4 YR 2010-13 | 2013 | 2 YR 2012-13 | 3 YR 2011-13 | 4 YR 2010-13 |
| Diener 512 | Red | 71.4 | ----- | ----- | ----- | 7.0 | ----- | ----- | ----- | 65.4 | ----- | ----- | ----- | 19.3 | ----- | ----- | ----- | 9.1 | ----- | ----- | ----- |
| DF EX R C-1 | Red | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- |
| Steyer Hunker | Red | 71.3 | 71.7 | ----- | ----- | 6.4 | 6.2 | ----- | ----- | 65.5 | 65.4 | ----- | ----- | 19.5 | 19.5 | ----- | ----- | 8.9 | 8.1 | ----- | ----- |
| 9223 | Red | 71.0 | 71.7 | ----- | ----- | 6.8 | 6.5 | ----- | ----- | 63.7 | 65.0 | ----- | ----- | 19.4 | 19.4 | ----- | ----- | 9.2 | 8.4 | ----- | ----- |
| RS 9XP10 | Red | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- |
| W 206 | Red | 70.2 | ----- | ----- | ----- | 6.7 | ----- | ----- | ----- | 59.9 | ----- | ----- | ----- | 18.0 | ----- | ----- | ----- | 9.3 | ----- | ----- | ----- |
| AgriMAXX 438 | Red | 71.4 | ----- | ----- | ----- | 8.3 | ----- | ----- | ----- | 63.9 | ----- | ----- | ----- | 18.5 | ----- | ----- | ----- | 9.5 | ----- | ----- | ----- |
| DF 112R | Red | 72.2 | ----- | ----- | ----- | 6.9 | ----- | ----- | ----- | 62.1 | ----- | ----- | ----- | 18.9 | ----- | ----- | ----- | 9.2 | ----- | ----- | ----- |
| RS 972 | Red | 71.6 | 72.0 | ----- | ----- | 7.1 | 6.6 | ----- | ----- | 64.2 | 64.9 | ----- | ----- | 19.7 | 19.6 | ----- | ----- | 9.3 | 8.2 | ----- | ----- |
| W 207 | Red | 71.6 | ----- | ----- | ----- | 6.4 | ----- | ----- | ----- | 65.0 | ----- | ----- | ----- | 19.5 | ----- | ----- | ----- | 8.5 | ----- | ----- | ----- |
| Pioneer variety 25R40 | Red | 69.7 | 69.5 | ----- | ----- | 7.0 | 6.6 | ----- | ----- | 62.6 | 62.2 | ----- | ----- | 18.5 | 18.6 | ----- | ----- | 9.6 | 8.7 | ----- | ----- |
| DF 109R | Red | 71.5 | 71.8 | ----- | ----- | 6.5 | 6.5 | ----- | ----- | 65.3 | 65.5 | ----- | ----- | 19.0 | 19.0 | ----- | ----- | 8.9 | 8.4 | ----- | ----- |
| Pioneer variety 25R34 | Red | 70.6 | 70.6 | 70.9 | ----- | 7.3 | 6.6 | 6.6 | ----- | 62.6 | 63.2 | 63.3 | ----- | 19.1 | 19.3 | 19.5 | ----- | 9.8 | 8.5 | 8.3 | ----- |
| XW 1401 | Red | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- |
| GB 1404 | Red | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- |
| DF 111R | Red | 70.4 | ----- | ----- | ----- | 6.7 | ----- | ----- | ----- | 57.5 | ----- | ----- | ----- | 17.7 | ----- | ----- | ----- | 9.1 | ----- | ----- | ----- |
| L-Brand 334 | Red | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- |
| MCIA EXP A | Red | 67.1 | ----- | ----- | ----- | 6.8 | ----- | ----- | ----- | 59.7 | ----- | ----- | ----- | 18.1 | ----- | ----- | ----- | 8.7 | ----- | ----- | ----- |
| MCIA Red Dragon | Red | 70.7 | 71.1 | 71.1 | 71.1 | 7.0 | 6.6 | 6.5 | 6.5 | 61.7 | 62.9 | 63.2 | 63.2 | 19.0 | 18.6 | 18.9 | 18.9 | 9.5 | 8.7 | 8.5 | 8.4 |
| MCIA EXP B | Red | 67.9 | ----- | ----- | ----- | 6.7 | ----- | ----- | ----- | 60.4 | ----- | ----- | ----- | 17.1 | ----- | ----- | ----- | 8.6 | ----- | ----- | ----- |
| SY 483 | Red | 70.1 | ----- | ----- | ----- | 6.7 | ----- | ----- | ----- | 62.5 | ----- | ----- | ----- | 18.1 | ----- | ----- | ----- | 9.1 | ----- | ----- | ----- |
| DF 105R | Red | 71.0 | 71.1 | 71.5 | ----- | 7.2 | 6.8 | 6.7 | ----- | 58.6 | 59.1 | 59.7 | ----- | 19.1 | 19.1 | 19.4 | ----- | 9.5 | 8.7 | 8.4 | ----- |
| DF EX W C-2 | Red | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- |
| HS 284R | Red | 70.6 | ----- | ----- | ----- | 7.2 | ----- | ----- | ----- | 61.8 | ----- | ----- | ----- | 18.3 | ----- | ----- | ----- | 9.7 | ----- | ----- | ----- |
| Sienna | Red | 71.0 | ----- | ----- | ----- | 7.2 | ----- | ----- | ----- | 61.5 | ----- | ----- | ----- | 18.5 | ----- | ----- | ----- | 9.8 | ----- | ----- | ----- |
| Sunstar S-2000 | Red | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- |
| AgriMAXX 413 | Red | 71.3 | 71.5 | ----- | ----- | 7.4 | 7.1 | ----- | ----- | 57.0 | 57.8 | ----- | ----- | 19.2 | 19.3 | ----- | ----- | 9.4 | 8.9 | ----- | ----- |
| Steyer Heilman | Red | 71.0 | 70.9 | ----- | ----- | 7.0 | 6.7 | ----- | ----- | 62.3 | 63.0 | ----- | ----- | 18.5 | 18.7 | ----- | ----- | 9.5 | 8.7 | ----- | ----- |
| W 125 | Red | 70.9 | 71.2 | ----- | ----- | 6.7 | 6.6 | ----- | ----- | 62.8 | 63.6 | ----- | ----- | 18.3 | 18.7 | ----- | ----- | 9.1 | 8.5 | ----- | ----- |
| W 204 | Red | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- |
| SY 474 | Red | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- |
| GB 1202 | Red | 70.7 | ----- | ----- | ----- | 6.9 | ----- | ----- | ----- | 57.7 | ----- | ----- | ----- | 18.0 | ----- | ----- | ----- | 9.1 | ----- | ----- | ----- |
| Diener 503 | Red | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- |
| Sunstar S-1200 | Red | 69.3 | ----- | ----- | ----- | 6.3 | ----- | ----- | ----- | 65.1 | ----- | ----- | ----- | 19.6 | ----- | ----- | ----- | 8.9 | ----- | ----- | ----- |
| MCIA Whale | Red | 69.1 | ----- | ----- | ----- | 6.9 | ----- | ----- | ----- | 60.3 | ----- | ----- | ----- | 17.8 | ----- | ----- | ----- | 9.2 | ----- | ----- | ----- |
| RS 907 | Red | 69.4 | ----- | ----- | ----- | 6.6 | ----- | ----- | ----- | 59.9 | ----- | ----- | ----- | 18.4 | ----- | ----- | ----- | 8.9 | ----- | ----- | ----- |
| MCIA 7002012 | Red | 70.1 | ----- | ----- | ----- | 7.7 | ----- | ----- | ----- | 61.2 | ----- | ----- | ----- | 18.7 | ----- | ----- | ----- | 10.1 | ----- | ----- | ----- |
| LCS News | Red | 71.7 | ----- | ----- | ----- | 6.8 | ----- | ----- | ----- | 63.4 | ----- | ----- | ----- | 18.0 | ----- | ----- | ----- | 9.1 | ----- | ----- | ----- |
| L-Brand 241 | Red | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- |
| Diener 492 | Red | 70.8 | 71.0 | ----- | ----- | 7.5 | 7.0 | ----- | ----- | 57.2 | 59.0 | ----- | ----- | 18.9 | 19.2 | ----- | ----- | 9.5 | 8.8 | ----- | ----- |
| AgriMAXX 447 | Red | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- |
| L-Brand 400 | Red | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- |
| RS 967 | Red | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- |
| MCIA Red Devil | Red | 68.8 | 68.5 | 68.7 | 68.8 | 7.4 | 6.8 | 6.6 | 6.6 | 59.9 | 61.3 | 62.5 | 62.0 | 18.8 | 18.8 | 19.0 | 19.0 | 9.8 | 8.7 | 8.4 | 8.3 |

# 2014 Michigan State University Wheat Performance Trials (Including Experimentals)

Multi-year data are the most informative.

Table 4 : Multi-Year Performance Summary (Note: Tables sorted by 2014 Yield, red wheats grouped before white)

MSU makes no endorsement of any variety or brand.

| | | Milling and Baking Properties (2013 Crop and Earlier) | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Percent Flour Yield | | | | Percent Protein In Flour (at 14%) | | | | Softness Equivalent Percent | | | | Cookie Diameter (cm) | | | | Whole Grain Protein (at 12%) | | | |
| | | | Multi-Year Averages | | | | Multi-Year Averages | | | | Multi-Year Averages | | | | Multi-Year Averages | | | | Multi-Year Averages | | |
| Name | Grain Color | 2013 | 2 YR 2012-13 | 3 YR 2011-13 | 4 YR 2010-13 | 2013 | 2 YR 2012-13 | 3 YR 2011-13 | 4 YR 2010-13 | 2013 | 2 YR 2012-13 | 3 YR 2011-13 | 4 YR 2010-13 | 2013 | 2 YR 2012-13 | 3 YR 2011-13 | 4 YR 2010-13 | 2013 | 2 YR 2012-13 | 3 YR 2011-13 | 4 YR 2010-13 |
| Pioneer variety 25R39 | Red | 69.8 | 69.7 | 69.8 | 69.7 | 6.7 | 6.3 | 6.3 | 6.3 | 59.1 | 59.7 | 59.4 | 59.4 | 18.0 | 18.2 | 18.5 | 18.6 | 9.1 | 8.3 | 8.3 | 8.2 |
| MCIA Blazer | Red | 67.7 | 67.8 | ----- | ----- | 7.2 | 7.1 | ----- | ----- | 50.2 | 49.2 | ----- | ----- | 17.1 | 17.3 | ----- | ----- | 9.9 | 9.5 | ----- | ----- |
| Guardian | Red | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- |
| HS 06R EXP | Red | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- |
| AgriMAXX 427 | Red | 69.6 | ----- | ----- | ----- | 6.8 | ----- | ----- | ----- | 63.9 | ----- | ----- | ----- | 19.2 | ----- | ----- | ----- | 9.3 | ----- | ----- | ----- |
| W 205 | Red | 69.5 | ----- | ----- | ----- | 6.9 | ----- | ----- | ----- | 59.6 | ----- | ----- | ----- | 18.3 | ----- | ----- | ----- | 9.5 | ----- | ----- | ----- |
| W 123 | Red | 70.8 | 71.2 | 71.5 | 71.5 | 6.9 | 6.5 | 6.5 | 6.4 | 61.8 | 63.2 | 63.9 | 64.2 | 18.0 | 18.3 | 18.8 | 18.9 | 9.4 | 8.6 | 8.5 | 8.3 |
| EXP 13W34 | Red | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- |
| W 208 | Red | 70.0 | 69.5 | ----- | ----- | 7.5 | 7.0 | ----- | ----- | 61.8 | 62.0 | ----- | ----- | 18.7 | 18.9 | ----- | ----- | 10.0 | 8.9 | ----- | ----- |
| Steyer Pierson | Red | 70.2 | ----- | ----- | ----- | 7.5 | ----- | ----- | ----- | 62.3 | ----- | ----- | ----- | 18.8 | ----- | ----- | ----- | 9.9 | ----- | ----- | ----- |
| Malabar | Red | 69.6 | 70.0 | 69.8 | 69.8 | 7.2 | 6.7 | 6.5 | 6.5 | 58.0 | 59.2 | 59.4 | 59.6 | 18.5 | 18.7 | 18.9 | 19.0 | 9.9 | 8.9 | 8.6 | 8.6 |
| Hopewell | Red | 68.3 | 68.4 | 68.5 | 68.4 | 7.3 | 6.9 | 6.9 | 6.9 | 61.4 | 61.6 | 61.3 | 61.8 | 18.5 | 18.6 | 19.0 | 19.1 | 10.2 | 9.3 | 9.1 | 9.1 |
| MCIA EXP4 | Red | 69.7 | 69.6 | ----- | ----- | 7.5 | 7.3 | ----- | ----- | 57.1 | 57.1 | ----- | ----- | 18.1 | 18.3 | ----- | ----- | 9.9 | 9.4 | ----- | ----- |
| HS 30R EXP | Red | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- |
| Red Ruby | Red | 69.8 | 70.0 | 70.0 | 70.0 | 7.3 | 6.8 | 6.8 | 6.8 | 63.3 | 63.8 | 63.4 | 63.2 | 18.6 | 18.8 | 19.0 | 19.1 | 9.9 | 9.0 | 8.9 | 8.8 |
| DF EX R K | Red | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- |
| DF EX R D | Red | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- |
| L-Brand 314 | Red | 71.4 | ----- | ----- | ----- | 7.6 | ----- | ----- | ----- | 61.2 | ----- | ----- | ----- | 18.6 | ----- | ----- | ----- | 9.7 | ----- | ----- | ----- |
| MCIA EXP 113 | Red | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- |
| Sunburst | Red | 65.7 | 65.5 | 67.7 | 67.1 | 7.5 | 7.1 | 6.9 | 6.8 | 52.6 | 51.8 | 56.3 | 56.2 | 17.6 | 17.5 | 18.1 | 18.2 | 9.7 | 9.1 | 8.8 | 8.7 |
| MCIA EXP 213 | Red | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- |
| F0036R | Red | 71.5 | ----- | ----- | ----- | 7.0 | ----- | ----- | ----- | 62.0 | ----- | ----- | ----- | 18.7 | ----- | ----- | ----- | 9.8 | ----- | ----- | ----- |
| Shirley | Red | 70.0 | 70.1 | 70.1 | ----- | 7.2 | 6.9 | 6.8 | ----- | 57.3 | 57.1 | 57.2 | ----- | 18.9 | 19.1 | 19.3 | ----- | 9.8 | 9.3 | 9.0 | ----- |
| AC Mountain | White | 71.7 | 71.2 | 71.3 | 71.3 | 6.8 | 6.4 | 6.4 | 6.4 | 62.0 | 62.7 | 62.1 | 62.0 | 19.1 | 19.1 | 19.2 | 19.3 | 9.0 | 8.3 | 8.3 | 8.2 |
| Ambassador | White | 71.9 | 72.4 | 72.6 | 72.4 | 7.0 | 6.5 | 6.4 | 6.4 | 61.5 | 62.3 | 62.3 | 62.5 | 19.1 | 19.3 | 19.5 | 19.5 | 9.5 | 8.7 | 8.5 | 8.4 |
| 9242W | White | 69.2 | 69.3 | 69.6 | ----- | 7.4 | 6.7 | 6.6 | ----- | 59.7 | 61.6 | 61.8 | ----- | 18.9 | 19.2 | 19.4 | ----- | 10.0 | 8.9 | 8.7 | ----- |
| Jupiter | White | 71.1 | 71.3 | 71.5 | 71.6 | 6.8 | 6.1 | 6.0 | 5.9 | 62.5 | 63.1 | 63.2 | 63.1 | 18.8 | 19.0 | 19.2 | 19.3 | 9.1 | 8.0 | 7.8 | 7.8 |
| Ava | White | 70.0 | 69.8 | 69.9 | 70.0 | 7.4 | 6.7 | 6.5 | 6.5 | 62.4 | 64.2 | 64.1 | 63.8 | 18.6 | 18.9 | 19.2 | 19.3 | 9.5 | 8.5 | 8.3 | 8.3 |
| 9362W | White | 69.7 | ----- | ----- | ----- | 7.8 | ----- | ----- | ----- | 56.5 | ----- | ----- | ----- | 18.8 | ----- | ----- | ----- | 10.7 | ----- | ----- | ----- |
| Linebacker | White | 70.6 | 70.2 | 70.5 | 70.5 | 7.3 | 7.0 | 6.9 | 6.8 | 59.6 | 60.8 | 60.9 | 60.7 | 19.1 | 19.2 | 19.4 | 19.4 | 9.7 | 9.1 | 8.8 | 8.7 |
| E6012 | White | 71.4 | 71.5 | 71.7 | 71.7 | 6.9 | 6.7 | 6.7 | 6.7 | 64.1 | 63.9 | 63.5 | 63.4 | 18.5 | 18.8 | 19.1 | 19.0 | 9.4 | 8.7 | 8.6 | 8.6 |
| DF EX W B | White | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- |
| Aubrey | White | 69.9 | 70.1 | 70.4 | 70.7 | 7.6 | 7.1 | 7.1 | 7.0 | 62.1 | 62.5 | 61.2 | 61.9 | 18.7 | 18.4 | 18.5 | 18.6 | 10.1 | 9.3 | 9.3 | 9.1 |
| DF 110W | White | 72.3 | 71.8 | ----- | ----- | 7.3 | 7.1 | ----- | ----- | 57.9 | 58.4 | ----- | ----- | 18.7 | 18.8 | ----- | ----- | 9.9 | 9.5 | ----- | ----- |
| Pioneer variety 25W31 | White | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- |
| MCIA Venus | White | 72.2 | 71.8 | ----- | ----- | 6.8 | 6.5 | ----- | ----- | 58.5 | 59.0 | ----- | ----- | 18.6 | 18.4 | ----- | ----- | 9.1 | 8.4 | ----- | ----- |
| DF EX B W-3 | White | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- |
| 9491W | White | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- |
| SY 901 | White | 69.9 | ----- | ----- | ----- | 6.9 | ----- | ----- | ----- | 63.0 | ----- | ----- | ----- | 18.9 | ----- | ----- | ----- | 9.2 | ----- | ----- | ----- |
| MCIA E5024 | White | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- |
| VA09W-192WS | White | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- |
| **MEAN (2014 90 Entries)** | | **70.3** | **70.4** | **70.4** | **70.3** | **7.1** | **6.7** | **6.6** | **6.6** | **60.9** | **61.1** | **61.5** | **61.8** | **18.6** | **18.8** | **19.1** | **19.0** | **9.4** | **8.8** | **8.6** | **8.5** |
| **LSD (0.05)** | | ----- | **0.9** | **1.5** | **1.3** | ----- | **0.5** | **0.4** | **0.3** | ----- | **2.0** | **3.5** | **2.9** | ----- | **0.5** | **0.5** | **0.4** | ----- | **0.6** | **0.4** | **0.3** |
| **CV (%)** | | ----- | **0.6** | **1.2** | **1.3** | ----- | **3.7** | **3.2** | **2.7** | ----- | **1.6** | **3.4** | **3.3** | ----- | **1.3** | **1.6** | **1.6** | ----- | **3.6** | **3.0** | **2.6** |

# 2014 Michigan State University Wheat Performance Trials (Including Experimentals)

Multi-year data are the most informative.

Table 5 : Multi-Year Performance Summary (Note: Tables sorted by 2014 Yield, red wheats grouped before white)

MSU makes no endorsement of any variety or brand.

| | | Milling and Baking Properties (2013 Crop and Earlier) | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Water SRC (%) | | | | Sodium Carbonate SRC (%) | | | | Sucrose SRC (%) | | | | As Is Lactic Acid SRC (%) | | | | Whole Grain Hardness (0-100) | | | |
| | | | Multi-Year Averages | | | | Multi-Year Averages | | | | Multi-Year Averages | | | | Multi-Year Averages | | | | Multi-Year Averages | | |
| Name | Grain Color | 2013 | 2 YR 2012-13 | 3 YR 2011-13 | 4 YR 2010-13 | 2013 | 2 YR 2012-13 | 3 YR 2011-13 | 4 YR 2010-13 | 2013 | 2 YR 2012-13 | 3 YR 2011-13 | 4 YR 2010-13 | 2013 | 2 YR 2012-13 | 3 YR 2011-13 | 4 YR 2010-13 | 2013 | 2 YR 2012-13 | 3 YR 2011-13 | 4 YR 2010-13 |
| Diener 512 | Red | 49.9 | ----- | ----- | ----- | 64.0 | ----- | ----- | ----- | 79.0 | ----- | ----- | ----- | 96.8 | ----- | ----- | ----- | 15.6 | ----- | ----- | ----- |
| DF EX R C-1 | Red | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- |
| Steyer Hunker | Red | 50.1 | 51.0 | ----- | ----- | 63.5 | 64.5 | ----- | ----- | 77.8 | 79.1 | ----- | ----- | 94.1 | 95.0 | ----- | ----- | 11.0 | 9.1 | ----- | ----- |
| 9223 | Red | 50.5 | 51.2 | ----- | ----- | 64.5 | 65.0 | ----- | ----- | 78.1 | 79.5 | ----- | ----- | 93.5 | 96.4 | ----- | ----- | 15.7 | 11.8 | ----- | ----- |
| RS 9XP10 | Red | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- |
| W 206 | Red | 54.0 | ----- | ----- | ----- | 67.9 | ----- | ----- | ----- | 85.0 | ----- | ----- | ----- | 85.6 | ----- | ----- | ----- | 21.1 | ----- | ----- | ----- |
| AgriMAXX 438 | Red | 49.7 | ----- | ----- | ----- | 64.2 | ----- | ----- | ----- | 78.9 | ----- | ----- | ----- | 95.2 | ----- | ----- | ----- | 16.4 | ----- | ----- | ----- |
| DF 112R | Red | 53.2 | ----- | ----- | ----- | 69.0 | ----- | ----- | ----- | 85.0 | ----- | ----- | ----- | 104.8 | ----- | ----- | ----- | 16.8 | ----- | ----- | ----- |
| RS 972 | Red | 50.6 | 50.9 | ----- | ----- | 64.4 | 64.1 | ----- | ----- | 81.1 | 80.1 | ----- | ----- | 97.6 | 97.7 | ----- | ----- | 11.9 | 9.7 | ----- | ----- |
| W 207 | Red | 50.7 | ----- | ----- | ----- | 63.5 | ----- | ----- | ----- | 80.6 | ----- | ----- | ----- | 92.3 | ----- | ----- | ----- | 8.2 | ----- | ----- | ----- |
| Pioneer variety 25R40 | Red | 52.6 | 53.5 | ----- | ----- | 68.1 | 68.5 | ----- | ----- | 84.1 | 85.6 | ----- | ----- | 93.0 | 97.8 | ----- | ----- | 16.2 | 14.3 | ----- | ----- |
| DF 109R | Red | 50.8 | 51.0 | ----- | ----- | 64.3 | 64.7 | ----- | ----- | 77.2 | 78.0 | ----- | ----- | 94.6 | 97.3 | ----- | ----- | 13.5 | 11.5 | ----- | ----- |
| Pioneer variety 25R34 | Red | 50.1 | 50.7 | 51.3 | ----- | 63.6 | 64.2 | 64.3 | ----- | 80.1 | 82.1 | 80.8 | ----- | 97.0 | 95.2 | 94.1 | ----- | 18.2 | 13.1 | 10.8 | ----- |
| XW 1401 | Red | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- |
| GB 1404 | Red | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- |
| DF 111R | Red | 57.8 | ----- | ----- | ----- | 72.7 | ----- | ----- | ----- | 88.5 | ----- | ----- | ----- | 79.6 | ----- | ----- | ----- | 24.5 | ----- | ----- | ----- |
| L-Brand 334 | Red | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- |
| MCIA EXP A | Red | 53.8 | ----- | ----- | ----- | 67.4 | ----- | ----- | ----- | 91.1 | ----- | ----- | ----- | 108.5 | ----- | ----- | ----- | 11.5 | ----- | ----- | ----- |
| MCIA Red Dragon | Red | 50.5 | 51.1 | 52.6 | 52.6 | 64.2 | 65.3 | 65.8 | 66.0 | 84.1 | 85.3 | 84.2 | 83.9 | 84.1 | 93.4 | 92.3 | 90.2 | 7.3 | 5.6 | 5.1 | 7.1 |
| MCIA EXP B | Red | 53.1 | ----- | ----- | ----- | 67.4 | ----- | ----- | ----- | 90.2 | ----- | ----- | ----- | 107.8 | ----- | ----- | ----- | 13.3 | ----- | ----- | ----- |
| SY 483 | Red | 52.7 | ----- | ----- | ----- | 68.5 | ----- | ----- | ----- | 84.6 | ----- | ----- | ----- | 89.6 | ----- | ----- | ----- | 20.2 | ----- | ----- | ----- |
| DF 105R | Red | 50.9 | 51.3 | 51.8 | ----- | 65.1 | 65.8 | 66.2 | ----- | 78.5 | 79.0 | 80.0 | ----- | 77.8 | 82.3 | 80.6 | ----- | 24.2 | 22.9 | 21.1 | ----- |
| DF EX W C-2 | Red | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- |
| HS 284R | Red | 50.4 | ----- | ----- | ----- | 63.6 | ----- | ----- | ----- | 84.7 | ----- | ----- | ----- | 84.2 | ----- | ----- | ----- | 14.0 | ----- | ----- | ----- |
| Sienna | Red | 50.9 | ----- | ----- | ----- | 64.7 | ----- | ----- | ----- | 83.7 | ----- | ----- | ----- | 86.0 | ----- | ----- | ----- | 11.4 | ----- | ----- | ----- |
| Sunstar S-2000 | Red | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- |
| AgriMAXX 413 | Red | 50.7 | 51.3 | ----- | ----- | 65.0 | 65.3 | ----- | ----- | 80.5 | 80.4 | ----- | ----- | 78.3 | 81.8 | ----- | ----- | 25.7 | 23.2 | ----- | ----- |
| Steyer Heilman | Red | 50.7 | 51.2 | ----- | ----- | 63.8 | 64.7 | ----- | ----- | 83.5 | 84.6 | ----- | ----- | 86.4 | 94.0 | ----- | ----- | 8.7 | 6.9 | ----- | ----- |
| W 125 | Red | 51.7 | 52.0 | ----- | ----- | 64.7 | 65.6 | ----- | ----- | 84.1 | 85.1 | ----- | ----- | 86.3 | 96.8 | ----- | ----- | 6.7 | 6.0 | ----- | ----- |
| W 204 | Red | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- |
| SY 474 | Red | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- |
| GB 1202 | Red | 51.2 | ----- | ----- | ----- | 65.8 | ----- | ----- | ----- | 80.9 | ----- | ----- | ----- | 76.4 | ----- | ----- | ----- | 23.7 | ----- | ----- | ----- |
| Diener 503 | Red | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- |
| Sunstar S-1200 | Red | 52.3 | ----- | ----- | ----- | 65.8 | ----- | ----- | ----- | 80.9 | ----- | ----- | ----- | 76.0 | ----- | ----- | ----- | 17.1 | ----- | ----- | ----- |
| MCIA Whale | Red | 53.2 | ----- | ----- | ----- | 68.5 | ----- | ----- | ----- | 86.9 | ----- | ----- | ----- | 94.4 | ----- | ----- | ----- | 18.9 | ----- | ----- | ----- |
| RS 907 | Red | 54.2 | ----- | ----- | ----- | 67.1 | ----- | ----- | ----- | 85.3 | ----- | ----- | ----- | 94.2 | ----- | ----- | ----- | 19.4 | ----- | ----- | ----- |
| MCIA 7002012 | Red | 50.4 | ----- | ----- | ----- | 63.7 | ----- | ----- | ----- | 85.8 | ----- | ----- | ----- | 88.6 | ----- | ----- | ----- | 16.4 | ----- | ----- | ----- |
| LCS News | Red | 53.0 | ----- | ----- | ----- | 67.7 | ----- | ----- | ----- | 83.8 | ----- | ----- | ----- | 100.2 | ----- | ----- | ----- | 16.2 | ----- | ----- | ----- |
| L-Brand 241 | Red | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- |
| Diener 492 | Red | 50.7 | 51.1 | ----- | ----- | 65.0 | 65.7 | ----- | ----- | 80.3 | 80.4 | ----- | ----- | 77.7 | 82.0 | ----- | ----- | 25.5 | 23.1 | ----- | ----- |
| AgriMAXX 447 | Red | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- |
| L-Brand 400 | Red | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- |
| RS 967 | Red | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- |
| MCIA Red Devil | Red | 53.3 | 54.0 | 54.6 | 54.8 | 67.0 | 68.2 | 68.0 | 67.8 | 86.7 | 87.3 | 85.6 | 85.4 | 87.6 | 89.7 | 88.6 | 87.2 | 26.4 | 22.0 | 19.0 | 19.3 |

# 2014 Michigan State University Wheat Performance Trials (Including Experimentals)

Multi-year data are the most informative.

Table 5 : Multi-Year Performance Summary (Note: Tables sorted by 2014 Yield, red wheats grouped before white)

MSU makes no endorsement of any variety or brand.

| | | Milling and Baking Properties (2013 Crop and Earlier) | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Water SRC (%) | | | | Sodium Carbonate SRC (%) | | | | Sucrose SRC (%) | | | | As Is Lactic Acid SRC (%) | | | | Whole Grain Hardness (0-100) | | | |
| | | | Multi-Year Averages | | | | Multi-Year Averages | | | | Multi-Year Averages | | | | Multi-Year Averages | | | | Multi-Year Averages | | |
| Name | Grain Color | 2013 | 2 YR 2012-13 | 3 YR 2011-13 | 4 YR 2010-13 | 2013 | 2 YR 2012-13 | 3 YR 2011-13 | 4 YR 2010-13 | 2013 | 2 YR 2012-13 | 3 YR 2011-13 | 4 YR 2010-13 | 2013 | 2 YR 2012-13 | 3 YR 2011-13 | 4 YR 2010-13 | 2013 | 2 YR 2012-13 | 3 YR 2011-13 | 4 YR 2010-13 |
| Pioneer variety 25R39 | Red | 54.0 | 55.4 | 56.1 | 56.1 | 70.1 | 71.0 | 70.7 | 70.2 | 85.7 | 86.8 | 86.1 | 85.0 | 84.9 | 85.5 | 85.4 | 83.0 | 21.0 | 15.7 | 14.0 | 14.1 |
| MCIA Blazer | Red | 54.7 | 56.2 | ----- | ----- | 66.7 | 68.8 | ----- | ----- | 91.1 | 93.2 | ----- | ----- | 101.4 | 104.1 | ----- | ----- | 17.7 | 17.7 | ----- | ----- |
| Guardian | Red | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- |
| HS 06R EXP | Red | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- |
| AgriMAXX 427 | Red | 51.5 | ----- | ----- | ----- | 66.5 | ----- | ----- | ----- | 80.8 | ----- | ----- | ----- | 79.0 | ----- | ----- | ----- | 20.6 | ----- | ----- | ----- |
| W 205 | Red | 53.5 | ----- | ----- | ----- | 67.7 | ----- | ----- | ----- | 84.9 | ----- | ----- | ----- | 95.7 | ----- | ----- | ----- | 19.3 | ----- | ----- | ----- |
| W 123 | Red | 51.9 | 52.4 | 52.4 | 53.1 | 64.7 | 66.1 | 66.1 | 66.0 | 85.7 | 86.4 | 84.9 | 83.2 | 82.7 | 91.0 | 93.5 | 94.5 | 9.8 | 7.5 | 9.4 | 12.4 |
| EXP 13W34 | Red | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- |
| W 208 | Red | 50.5 | 52.3 | ----- | ----- | 63.0 | 63.9 | ----- | ----- | 85.6 | 84.8 | ----- | ----- | 88.5 | 85.4 | ----- | ----- | 13.6 | 10.5 | ----- | ----- |
| Steyer Pierson | Red | 50.7 | ----- | ----- | ----- | 63.3 | ----- | ----- | ----- | 83.6 | ----- | ----- | ----- | 89.6 | ----- | ----- | ----- | 16.8 | ----- | ----- | ----- |
| Malabar | Red | 53.5 | 54.3 | 54.8 | 54.7 | 67.6 | 68.2 | 68.3 | 67.9 | 84.7 | 84.8 | 83.9 | 83.9 | 94.1 | 93.5 | 92.7 | 92.1 | 13.9 | 12.3 | 11.2 | 12.1 |
| Hopewell | Red | 52.0 | 53.1 | 53.7 | 53.7 | 68.6 | 68.9 | 69.0 | 68.7 | 85.7 | 84.8 | 84.0 | 83.9 | 96.4 | 99.4 | 99.8 | 99.0 | 23.4 | 20.2 | 18.5 | 19.3 |
| MCIA EXP4 | Red | 52.3 | 52.6 | ----- | ----- | 67.1 | 66.5 | ----- | ----- | 88.8 | 88.7 | ----- | ----- | 116.4 | 117.4 | ----- | ----- | 23.1 | 21.6 | ----- | ----- |
| HS 30R EXP | Red | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- |
| Red Ruby | Red | 51.6 | 52.5 | 53.2 | 53.4 | 68.8 | 68.3 | 68.0 | 67.6 | 83.6 | 83.9 | 83.7 | 83.4 | 97.9 | 96.0 | 97.0 | 95.3 | 12.9 | 10.4 | 9.3 | 11.3 |
| DF EX R K | Red | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- |
| DF EX R D | Red | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- |
| L-Brand 314 | Red | 51.1 | ----- | ----- | ----- | 65.9 | ----- | ----- | ----- | 80.9 | ----- | ----- | ----- | 84.3 | ----- | ----- | ----- | 18.2 | ----- | ----- | ----- |
| MCIA EXP 113 | Red | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- |
| Sunburst | Red | 56.6 | 58.0 | 56.2 | 56.9 | 73.3 | 75.2 | 71.9 | 72.4 | 93.0 | 94.6 | 90.4 | 90.4 | 90.3 | 94.2 | 95.4 | 92.5 | 35.0 | 32.9 | 26.3 | 27.0 |
| MCIA EXP 213 | Red | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- |
| F0036R | Red | 52.5 | ----- | ----- | ----- | 66.1 | ----- | ----- | ----- | 80.7 | ----- | ----- | ----- | 78.3 | ----- | ----- | ----- | 14.5 | ----- | ----- | ----- |
| Shirley | Red | 53.5 | 54.2 | 54.9 | ----- | 68.5 | 69.1 | 69.6 | ----- | 86.4 | 86.6 | 86.4 | ----- | 80.4 | 78.7 | 78.6 | ----- | 24.2 | 21.9 | 19.9 | ----- |
| AC Mountain | White | 50.8 | 50.9 | 51.1 | 51.2 | 63.8 | 63.6 | 64.0 | 63.6 | 77.1 | 78.1 | 78.7 | 78.3 | 76.0 | 79.0 | 78.9 | 76.8 | 9.6 | 9.4 | 7.8 | 8.3 |
| Ambassador | White | 49.8 | 50.7 | 51.1 | 51.2 | 63.3 | 64.0 | 64.7 | 64.5 | 77.6 | 77.7 | 78.6 | 78.5 | 79.1 | 81.2 | 80.4 | 78.4 | 5.6 | 2.8 | 0.5 | 2.2 |
| 9242W | White | 52.4 | 53.9 | 53.9 | ----- | 65.4 | 66.6 | 66.6 | ----- | 82.0 | 81.6 | 82.0 | ----- | 91.9 | 87.7 | 87.2 | ----- | 14.4 | 9.1 | 6.8 | ----- |
| Jupiter | White | 52.5 | 53.7 | 54.5 | 54.6 | 67.6 | 68.2 | 68.1 | 67.6 | 82.3 | 81.7 | 81.3 | 80.7 | 88.6 | 85.7 | 85.9 | 84.0 | 14.8 | 12.5 | 11.5 | 12.6 |
| Ava | White | 49.6 | 50.5 | 51.2 | 51.6 | 63.5 | 64.1 | 64.3 | 64.2 | 79.4 | 79.8 | 80.4 | 80.1 | 71.5 | 74.8 | 75.3 | 72.7 | 12.1 | 6.2 | 4.3 | 6.7 |
| 9362W | White | 52.6 | ----- | ----- | ----- | 67.0 | ----- | ----- | ----- | 85.6 | ----- | ----- | ----- | 89.8 | ----- | ----- | ----- | 15.2 | ----- | ----- | ----- |
| Linebacker | White | 50.0 | 50.4 | 50.8 | 50.8 | 62.8 | 63.2 | 63.8 | 63.5 | 79.0 | 78.4 | 79.2 | 79.0 | 78.7 | 81.9 | 82.3 | 79.9 | 16.6 | 13.2 | 11.9 | 14.1 |
| E6012 | White | 50.7 | 51.7 | 52.3 | 52.4 | 65.0 | 65.7 | 65.4 | 65.2 | 80.9 | 81.8 | 81.3 | 81.4 | 93.2 | 94.1 | 93.9 | 92.8 | 16.4 | 15.3 | 14.8 | 16.3 |
| DF EX W B | White | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- |
| Aubrey | White | 50.9 | 52.1 | 52.4 | 52.5 | 66.0 | 66.9 | 67.8 | 67.6 | 83.8 | 83.5 | 84.8 | 84.7 | 96.1 | 94.6 | 94.9 | 93.9 | 13.2 | 10.8 | 10.4 | 10.8 |
| DF 110W | White | 52.0 | 52.5 | ----- | ----- | 64.6 | 65.5 | ----- | ----- | 80.8 | 81.7 | ----- | ----- | 79.8 | 80.0 | ----- | ----- | 18.3 | 17.1 | ----- | ----- |
| Pioneer variety 25W31 | White | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- |
| MCIA Venus | White | 52.3 | 53.9 | ----- | ----- | 66.7 | 68.3 | ----- | ----- | 82.7 | 84.2 | ----- | ----- | 78.1 | 80.3 | ----- | ----- | 15.5 | 15.0 | ----- | ----- |
| DF EX B W-3 | White | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- |
| 9491W | White | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- |
| SY 901 | White | 52.1 | ----- | ----- | ----- | 67.2 | ----- | ----- | ----- | 82.4 | ----- | ----- | ----- | 84.5 | ----- | ----- | ----- | 17.2 | ----- | ----- | ----- |
| MCIA E5024 | White | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- |
| VA09W-192WS | White | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- |
| **MEAN (2014 90 Entries)** | | **51.9** | **52.5** | **53.1** | **53.3** | **66.1** | **66.5** | **67.0** | **66.8** | **83.2** | **83.3** | **83.0** | **82.8** | **88.6** | **90.4** | **88.3** | **87.5** | **16.7** | **14.0** | **12.2** | **12.9** |
| **LSD (0.05)** | | **-----** | **1.3** | **1.9** | **1.6** | **-----** | **1.7** | **2.7** | **2.2** | **-----** | **2.4** | **3.9** | **3.2** | **-----** | **10.0** | **6.6** | **5.2** | **-----** | **4.2** | **5.3** | **4.7** |
| **CV (%)** | | **-----** | **1.2** | **2.2** | **2.2** | **-----** | **1.3** | **2.4** | **2.3** | **-----** | **1.4** | **2.8** | **2.7** | **-----** | **5.5** | **4.5** | **4.2** | **-----** | **14.9** | **26.0** | **25.5** |

# 2014 Michigan State University Wheat Performance Trials (Including Experimentals)

Multi-year data are the most informative.

Table 6 : Single Site: Yield, Test Weight and Moisture Performance Summary (Note: Tables sorted alphabetically by organization)

MSU makes no endorsement of any variety or brand.

| | | ALLEGAN | | | HURON | | | | INGHAM | | | | INGHAM | | | | TUSCOLA | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | High Management | | | High Management | | | | Conventional Management | | | | High Management | | | | High Management | | | | |
| Name | Grain Color | Yield bu/acre | Test Weight | Moist. | Yield bu/acre | Test Weight | Moist. | Winter Kill Score(1-5) | Yield bu/acre | Test Weight | Moist. | Lodging Score | Yield bu/acre | Test Weight | Moist. | Lodging Score | Yield bu/acre | Test Weight | Moist. | Winter Kill Score(1-5) | Organization |
| AgriMAXX 413 | Red | 90.5 | 58.3 | 13.4 | 85.0 | 59.5 | 14.5 | 1.1 | 75.8 | 55.8 | 13.8 | 2.0 | 96.2 | 59.1 | 13.8 | 2.7 | 99.1 | 57.4 | 13.9 | 1.0 | AgriMAXX Wheat Company |
| AgriMAXX 427 | Red | 88.8 | 56.9 | 15.7 | 86.8 | 57.9 | 20.1 | 1.1 | 72.6 | 54.7 | 15.0 | 4.7 | 82.0 | 55.7 | 15.1 | 5.0 | 93.2 | 58.9 | 14.6 | 1.5 | AgriMAXX Wheat Company |
| AgriMAXX 438 | Red | 101.8 | 57.9 | 16.3 | 95.0 | 58.7 | 19.6 | 1.0 | 77.4 | 56.9 | 15.5 | 6.0 | 86.5 | 59.0 | 14.6 | 9.0 | 98.7 | 58.8 | 15.1 | 1.3 | AgriMAXX Wheat Company |
| AgriMAXX 447 | Red | 83.8 | 56.3 | 17.7 | 83.4 | 55.1 | 22.0 | 0.9 | 80.4 | 59.0 | 16.7 | 1.7 | 102.9 | 60.1 | 15.0 | 2.0 | 92.2 | 57.8 | 15.7 | 1.3 | AgriMAXX Wheat Company |
| AgriMAXX Exp 1444 | Red | 92.5 | 58.2 | 14.6 | 86.6 | 60.1 | 17.1 | 1.2 | 69.2 | 55.6 | 14.9 | 2.7 | 82.0 | 58.5 | 14.3 | 4.7 | M | M | M | M | AgriMAXX Wheat Company |
| AgriMAXX Exp 1465 | Red | 89.1 | 59.4 | 14.5 | 83.3 | 61.4 | 16.2 | 1.2 | 74.8 | 58.4 | 14.4 | 1.7 | 95.5 | 60.2 | 14.3 | 1.7 | M | M | M | M | AgriMAXX Wheat Company |
| Diener 492 | Red | 89.8 | 58.0 | 13.1 | 87.1 | 59.6 | 14.3 | 1.2 | 75.2 | 57.5 | 13.8 | 2.3 | 84.4 | 59.0 | 13.6 | 2.0 | 99.2 | 57.8 | 13.5 | 1.4 | Bio-Town Seeds, Inc. |
| Diener 503 | Red | 96.4 | 59.4 | 14.1 | 85.8 | 58.8 | 16.7 | 1.2 | 76.8 | 57.6 | 14.7 | 2.3 | 87.1 | 58.0 | 13.9 | 4.3 | 95.2 | 58.2 | 14.5 | 1.3 | Bio-Town Seeds, Inc. |
| Diener 512 | Red | 96.6 | 57.9 | 16.0 | 95.1 | 57.8 | 20.1 | 1.0 | 71.1 | 55.0 | 14.7 | 3.7 | 95.2 | 58.5 | 14.7 | 7.3 | 101.5 | 58.9 | 14.8 | 1.1 | Bio-Town Seeds, Inc. |
| XW 1401 | Red | 90.7 | 59.6 | 14.9 | 93.9 | 62.3 | 15.8 | 1.2 | 80.3 | 58.9 | 15.4 | 2.0 | 91.9 | 58.8 | 14.2 | 1.0 | 102.2 | 58.8 | 14.5 | 1.2 | Bio-Town Seeds, Inc. |
| Ambassador | White | 91.3 | 56.1 | 13.4 | 90.1 | 57.4 | 14.6 | 1.4 | 71.3 | 57.2 | 14.1 | 3.0 | 84.8 | 57.6 | 13.6 | 3.0 | 90.9 | 57.3 | 13.3 | 0.9 | D.F. Seeds, Inc. |
| Aubrey | White | 89.2 | 60.2 | 14.0 | 83.6 | 59.8 | 14.9 | 1.1 | 69.4 | 60.1 | 15.4 | 1.7 | 70.7 | 59.7 | 15.1 | 2.0 | 90.5 | 59.9 | 14.6 | 1.3 | D.F. Seeds, Inc. |
| DF 105R | Red | 95.6 | 58.2 | 13.9 | 88.2 | 59.1 | 14.9 | 0.9 | 73.7 | 57.8 | 14.0 | 2.3 | 91.2 | 58.8 | 13.8 | 2.7 | 97.4 | 58.2 | 13.4 | 1.1 | D.F. Seeds, Inc. |
| DF 109R | Red | 96.2 | 57.7 | 15.6 | 92.9 | 57.3 | 20.7 | 1.9 | 69.3 | 54.6 | 15.2 | 4.3 | 89.3 | 57.8 | 15.0 | 5.3 | 99.8 | 58.2 | 15.3 | 1.2 | D.F. Seeds, Inc. |
| DF 110W | White | 80.2 | 57.4 | 16.0 | 83.0 | 56.7 | 18.9 | 1.3 | 55.8 | 54.0 | 14.3 | 2.0 | 74.7 | 57.8 | 14.0 | 2.0 | 98.5 | 58.3 | 15.4 | 1.6 | D.F. Seeds, Inc. |
| DF 111R | Red | 97.8 | 59.1 | 15.3 | 85.2 | 61.5 | 17.3 | 1.2 | 79.5 | 58.4 | 16.6 | 3.0 | 91.4 | 60.2 | 14.9 | 2.0 | 101.3 | 60.2 | 14.5 | 1.1 | D.F. Seeds, Inc. |
| DF 112R | Red | 106.2 | 58.8 | 14.8 | 85.3 | 58.7 | 15.1 | 1.6 | 67.0 | 54.3 | 13.8 | 1.7 | 93.3 | 58.7 | 14.2 | 3.0 | 98.0 | 57.6 | 14.5 | 1.7 | D.F. Seeds, Inc. |
| DF EX W B | White | 84.6 | 57.2 | 14.8 | 84.3 | 59.3 | 15.3 | 0.9 | 65.2 | 57.3 | 14.6 | 2.3 | 80.0 | 57.9 | 14.3 | 2.7 | 87.4 | 58.2 | 14.3 | 1.1 | D.F. Seeds, Inc. |
| DF EX R C-1 | Red | 102.6 | 60.1 | 15.1 | 93.0 | 60.8 | 16.6 | 1.1 | 66.4 | 57.1 | 15.3 | 2.3 | 89.6 | 61.2 | 15.3 | 2.0 | 99.7 | 60.4 | 14.6 | 1.1 | D.F. Seeds, Inc. |
| DF EX B W-3 | White | 87.8 | 56.0 | 13.7 | 80.8 | 56.8 | 18.2 | 1.2 | 62.6 | 56.2 | 14.2 | 1.3 | 71.1 | 57.8 | 13.6 | 1.3 | 82.8 | 56.4 | 15.5 | 1.2 | D.F. Seeds, Inc. |
| DF EX R D | Red | 85.1 | 58.0 | 14.2 | 84.0 | 60.2 | 14.6 | 0.9 | 65.8 | 58.8 | 14.7 | 1.7 | 76.6 | 60.1 | 13.9 | 1.3 | 86.7 | 60.4 | 14.1 | 1.3 | D.F. Seeds, Inc. |
| DF EX R K | Red | 94.0 | 61.6 | 15.1 | 86.8 | 61.3 | 18.1 | 1.3 | 71.0 | 61.3 | 17.0 | 2.0 | 74.2 | 61.4 | 14.9 | 1.7 | 78.7 | 60.5 | 14.6 | 1.0 | D.F. Seeds, Inc. |
| DF EX W C-2 | Red | 96.0 | 58.9 | 13.7 | 88.9 | 60.2 | 15.1 | 1.3 | 78.8 | 58.4 | 15.4 | 1.3 | 89.7 | 59.5 | 14.1 | 1.3 | 96.4 | 60.4 | 14.5 | 2.3 | D.F. Seeds, Inc. |
| Linebacker | White | 90.8 | 57.6 | 15.7 | 83.4 | 55.9 | 19.7 | 1.4 | 60.7 | 57.3 | 15.1 | 1.7 | 78.5 | 58.8 | 14.7 | 2.3 | 88.0 | 55.4 | 18.0 | 1.8 | D.F. Seeds, Inc. |
| Sienna | Red | 98.9 | 58.5 | 14.3 | 85.0 | 59.7 | 16.6 | 1.3 | 72.9 | 58.2 | 14.7 | 2.3 | 93.4 | 58.7 | 14.0 | 4.3 | 93.5 | 58.8 | 14.8 | 1.7 | D.F. Seeds, Inc. |
| Pioneer variety 25R34 | Red | 94.0 | 57.6 | 15.7 | 94.3 | 59.5 | 16.3 | 1.2 | 77.3 | 58.5 | 16.4 | 3.0 | 88.4 | 58.0 | 15.2 | 3.3 | 101.2 | 58.2 | 14.4 | 0.7 | DuPont Pioneer |
| Pioneer variety 25R39 | Red | 98.8 | 58.2 | 15.1 | 86.3 | 58.3 | 19.4 | 1.6 | 63.4 | 56.0 | 14.8 | 4.3 | 71.4 | 59.6 | 14.5 | 7.7 | 96.1 | 58.9 | 14.7 | 1.4 | DuPont Pioneer |
| Pioneer variety 25R40 | Red | 96.3 | 59.8 | 14.3 | 94.6 | 61.9 | 15.0 | 1.0 | 78.8 | 57.8 | 14.6 | 2.3 | 93.7 | 59.5 | 14.4 | 1.3 | 94.1 | 60.4 | 14.7 | 1.9 | DuPont Pioneer |
| Pioneer variety 25W31 | White | 91.2 | 60.0 | 15.5 | 86.9 | 60.3 | 18.8 | 1.3 | 62.3 | 58.7 | 14.8 | 1.3 | 74.0 | 60.0 | 14.0 | 1.3 | 76.5 | 59.9 | 15.8 | 1.2 | DuPont Pioneer |
| 9223 | Red | 96.4 | 57.4 | 16.2 | 98.5 | 58.5 | 19.5 | 1.0 | 71.6 | 54.6 | 14.4 | 3.3 | 87.7 | 58.6 | 14.9 | 6.3 | 101.2 | 60.2 | 14.0 | 0.5 | Dyna-Gro Seed |
| 9242W | White | 91.0 | 58.4 | 14.1 | 90.5 | 60.8 | 16.0 | 1.1 | 68.8 | 57.5 | 15.6 | 2.0 | 81.2 | 58.5 | 14.4 | 2.0 | 89.8 | 59.4 | 14.8 | 2.0 | Dyna-Gro Seed |
| 9362W | White | 88.0 | 59.6 | 14.3 | 84.2 | 61.2 | 19.6 | 1.3 | 65.6 | 57.4 | 14.7 | 2.3 | 72.1 | 59.5 | 14.2 | 2.0 | 97.6 | 61.8 | 14.7 | 0.8 | Dyna-Gro Seed |
| 9491W | White | 79.0 | 58.6 | 15.8 | 75.6 | 57.4 | 18.3 | 1.2 | 71.6 | 56.5 | 15.6 | 1.3 | 82.3 | 60.2 | 14.7 | 1.3 | 77.8 | 58.1 | 15.8 | 1.4 | Dyna-Gro Seed |
| Shirley | Red | 87.3 | 57.3 | 14.2 | 75.0 | 57.8 | 16.4 | 1.8 | 71.5 | 57.9 | 15.7 | 2.0 | 77.2 | 56.7 | 14.2 | 1.7 | 76.9 | 59.0 | 14.4 | 2.9 | Dyna-Gro Seed |
| EXP 13W34 | Red | 82.9 | 56.0 | 17.8 | 87.7 | 49.3 | 25.2 | 2.0 | 74.6 | 56.9 | 15.0 | 2.0 | 89.6 | 58.7 | 14.6 | 2.0 | 90.3 | 57.0 | 16.7 | 1.8 | Equity Seed |
| Guardian | Red | 88.6 | 58.6 | 16.8 | 81.1 | 57.6 | 21.3 | 1.6 | 69.8 | 56.9 | 15.6 | 1.7 | 82.1 | 58.7 | 14.7 | 2.0 | 102.1 | 59.9 | 15.0 | 1.4 | Equity Seed |
| GB 1202 | Red | 93.3 | 58.4 | 14.5 | 86.6 | 59.1 | 15.2 | 1.6 | 73.1 | 58.1 | 13.8 | 2.7 | 89.2 | 58.4 | 13.8 | 2.0 | 96.6 | 57.2 | 13.7 | 1.0 | G.B. Seeds and Service |
| GB 1404 | Red | 94.5 | 59.0 | 14.3 | 87.4 | 60.4 | 16.3 | 1.3 | 80.7 | 58.5 | 14.9 | 1.7 | 95.7 | 59.8 | 14.1 | 1.0 | 101.8 | 59.9 | 14.6 | 1.0 | G.B. Seeds and Service |
| HS 06R EXP | Red | 91.0 | 57.9 | 17.1 | 80.5 | 57.0 | 19.8 | 1.3 | 68.3 | 57.5 | 15.6 | 3.3 | 84.0 | 59.5 | 14.8 | 2.3 | 97.4 | 60.2 | 15.2 | 1.2 | Harrington Seeds, Inc. |
| HS 284R | Red | 93.9 | 59.1 | 14.4 | 90.3 | 60.9 | 14.8 | 1.0 | 75.3 | 56.6 | 14.4 | 2.3 | 90.7 | 58.4 | 14.1 | 3.0 | 96.2 | 59.3 | 14.1 | 1.4 | Harrington Seeds, Inc. |
| HS 30R EXP | Red | 85.9 | 55.7 | 18.0 | 81.7 | 53.8 | 22.2 | 1.2 | 75.5 | 59.1 | 16.3 | 1.7 | 91.9 | 60.1 | 15.2 | 1.3 | 86.8 | 57.0 | 16.6 | 1.5 | Harrington Seeds, Inc. |
| Ava | White | 90.4 | 58.0 | 16.4 | 83.0 | 57.1 | 20.2 | 1.0 | 61.9 | 58.1 | 16.1 | 2.7 | 78.7 | 59.9 | 14.9 | 2.7 | 93.6 | 59.2 | 15.2 | 1.2 | Hyland Seeds |
| L-Brand 241 | Red | 96.3 | 61.3 | 15.3 | 88.5 | 61.9 | 16.3 | 1.2 | 70.9 | 58.4 | 15.7 | 4.3 | 78.0 | 59.5 | 15.0 | 4.7 | 95.8 | 61.8 | 14.7 | 0.9 | Irrer Seed Farm |
| L-Brand 314 | Red | 88.7 | 59.4 | 14.3 | 81.6 | 60.2 | 15.6 | 1.2 | 71.9 | 59.2 | 15.3 | 3.3 | 80.8 | 60.3 | 14.5 | 2.7 | 80.3 | 59.9 | 15.0 | 1.5 | Irrer Seed Farm |
| L-Brand 334 | Red | 103.9 | 61.0 | 15.8 | 92.6 | 61.1 | 16.2 | 1.4 | 53.8 | 55.4 | 14.9 | 5.7 | 78.3 | 60.4 | 14.9 | 3.3 | 96.3 | 60.1 | 15.2 | 1.5 | Irrer Seed Farm |

# 2014 Michigan State University Wheat Performance Trials (Including Experimentals)

Multi-year data are the most informative.

Table 6 : Single Site: Yield, Test Weight and Moisture Performance Summary (Note: Tables sorted alphabetically by organization)

MSU makes no endorsement of any variety or brand.

| | | ALLEGAN High Management | | | HURON High Management | | | | INGHAM Conventional Management | | | | INGHAM High Management | | | | TUSCOLA High Management | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Name | Grain Color | Yield bu/acre | Test Weight | Moist. | Yield bu/acre | Test Weight | Moist. | Winter Kill Score(1-5) | Yield bu/acre | Test Weight | Moist. | Lodging Score | Yield bu/acre | Test Weight | Moist. | Lodging Score | Yield bu/acre | Test Weight | Moist. | Winter Kill Score(1-5) | Organization |
| L-Brand 400 | Red | 94.0 | 60.0 | 15.3 | 82.4 | 59.4 | 16.1 | 1.2 | 69.4 | 58.4 | 14.3 | 2.0 | 88.9 | 61.4 | 14.4 | 1.3 | 92.1 | 58.4 | 14.5 | 0.9 | Irrer Seed Farm |
| LCS News | Red | 103.4 | 60.1 | 14.4 | 84.3 | 61.1 | 15.1 | 1.0 | 64.8 | 58.0 | 14.6 | 5.3 | 78.3 | 59.4 | 14.5 | 6.7 | 91.9 | 58.7 | 14.4 | 1.2 | Irrer Seed Farm |
| AC Mountain | White | 94.8 | 57.9 | 14.8 | 88.8 | 60.1 | 14.9 | 1.0 | 68.2 | 58.0 | 14.4 | 2.3 | 85.6 | 59.5 | 13.7 | 7.7 | 93.6 | 59.1 | 13.8 | 1.0 | Michigan Crop Improvement Association |
| Hopewell | Red | 88.1 | 58.7 | 13.7 | 84.2 | 60.6 | 15.1 | 1.1 | 71.8 | 58.3 | 14.2 | 5.7 | 85.6 | 58.8 | 14.4 | 2.3 | 87.3 | 60.0 | 14.4 | 1.1 | Michigan Crop Improvement Association |
| Jupiter | White | 90.3 | 57.9 | 13.9 | 82.7 | 58.7 | 15.2 | 1.4 | 66.8 | 55.9 | 14.1 | 3.3 | 85.4 | 59.2 | 14.1 | 1.7 | 92.7 | 57.5 | 14.5 | 2.1 | Michigan Crop Improvement Association |
| MCIA 7002012 | Red | 91.5 | 58.7 | 16.6 | 81.2 | 58.7 | 19.5 | 1.0 | 71.3 | 58.4 | 15.5 | 2.0 | 86.6 | 59.5 | 15.1 | 3.7 | 104.2 | 61.0 | 14.4 | 1.7 | Michigan Crop Improvement Association |
| MCIA Blazer | Red | 89.5 | 60.5 | 15.2 | 90.6 | 62.2 | 15.9 | 0.9 | 71.7 | 60.6 | 14.9 | 3.3 | 82.5 | 60.8 | 14.5 | 3.0 | 91.0 | 60.9 | 14.5 | 1.1 | Michigan Crop Improvement Association |
| MCIA E5024 | White | 78.3 | 58.1 | 14.7 | 75.9 | 55.3 | 20.7 | 1.5 | 66.2 | 55.6 | 14.8 | 1.3 | 65.6 | 56.9 | 13.8 | 1.7 | 87.1 | 59.2 | 14.8 | 2.0 | Michigan Crop Improvement Association |
| MCIA EXP 113 | Red | 84.7 | 57.3 | 16.7 | 83.4 | 56.7 | 20.6 | 2.2 | 65.8 | 57.0 | 16.7 | 2.0 | 70.4 | 58.0 | 14.5 | 1.0 | 92.2 | 59.8 | 15.8 | 1.9 | Michigan Crop Improvement Association |
| MCIA EXP 213 | Red | 94.5 | 59.9 | 15.3 | 83.8 | 58.5 | 22.1 | 1.6 | 52.0 | 58.7 | 16.3 | 4.0 | 61.0 | 59.2 | 14.7 | 6.3 | 80.7 | 59.9 | 15.2 | 1.8 | Michigan Crop Improvement Association |
| MCIA EXP A | Red | 97.5 | 58.8 | 14.0 | 91.3 | 60.5 | 13.9 | 0.9 | 67.6 | 57.3 | 13.8 | 3.7 | 77.9 | 57.3 | 14.2 | 4.0 | 105.2 | 60.1 | 14.8 | 1.4 | Michigan Crop Improvement Association |
| MCIA EXP B | Red | 98.8 | 57.9 | 13.8 | 90.7 | 59.6 | 14.8 | 0.7 | 63.5 | 56.5 | 14.1 | 2.7 | 80.5 | 57.5 | 14.2 | 3.0 | 101.4 | 59.3 | 14.6 | 1.3 | Michigan Crop Improvement Association |
| MCIA EXP4 | Red | 90.7 | 59.0 | 15.3 | 86.9 | 60.8 | 17.1 | 1.0 | 66.5 | 56.8 | 15.3 | 2.0 | 75.4 | 57.9 | 14.3 | 2.3 | 90.3 | 60.1 | 14.8 | 1.1 | Michigan Crop Improvement Association |
| MCIA Red Devil | Red | 89.2 | 59.1 | 14.8 | 86.2 | 61.6 | 16.2 | 1.4 | 78.9 | 60.1 | 15.2 | 1.7 | 87.0 | 60.6 | 14.0 | 2.0 | 93.8 | 60.7 | 14.5 | 0.7 | Michigan Crop Improvement Association |
| MCIA Red Dragon | Red | 96.9 | 58.2 | 13.6 | 91.0 | 60.1 | 15.0 | 1.1 | 72.0 | 56.6 | 14.4 | 3.0 | 88.5 | 58.2 | 14.2 | 3.7 | 95.8 | 59.5 | 14.0 | 1.1 | Michigan Crop Improvement Association |
| MCIA Whale | Red | 84.2 | 55.8 | 17.7 | 89.8 | 57.9 | 19.6 | 0.8 | 80.9 | 58.9 | 16.8 | 2.3 | 100.3 | 60.6 | 14.9 | 2.0 | 91.3 | 57.4 | 16.0 | 1.1 | Michigan Crop Improvement Association |
| Red Ruby | Red | 86.4 | 58.3 | 15.1 | 88.4 | 60.5 | 17.5 | 0.9 | 66.8 | 57.3 | 14.4 | 2.7 | 80.8 | 60.3 | 14.1 | 3.0 | 88.2 | 59.8 | 14.7 | 2.1 | Michigan Crop Improvement Association |
| Sunburst | Red | 85.5 | 60.8 | 15.9 | 80.3 | 60.3 | 19.6 | 1.5 | 68.9 | 60.2 | 16.8 | 1.3 | 81.9 | 61.7 | 15.3 | 1.0 | 81.6 | 59.6 | 15.5 | 1.3 | Michigan Crop Improvement Association |
| MCIA Venus | White | 81.5 | 58.0 | 14.1 | 77.7 | 59.1 | 17.2 | 2.7 | 59.3 | 56.5 | 14.0 | 3.0 | 85.4 | 57.9 | 13.9 | 2.3 | 86.8 | 58.4 | 14.6 | 3.6 | Michigan Crop Improvement Association |
| E6012 | White | 91.0 | 58.6 | 13.1 | 74.7 | 57.5 | 15.7 | 2.5 | 73.0 | 56.8 | 13.3 | 2.0 | 87.8 | 59.7 | 13.8 | 1.7 | 85.1 | 58.3 | 14.6 | 1.9 | Michigan State University |
| F0036R | Red | 87.1 | 58.2 | 13.8 | 79.3 | 59.0 | 17.1 | 1.4 | 64.5 | 56.7 | 15.3 | 1.0 | 64.2 | 59.2 | 14.4 | 1.3 | 90.5 | 59.0 | 15.3 | 2.2 | Michigan State University |
| Malabar | Red | 90.3 | 59.5 | 14.5 | 80.1 | 61.6 | 16.1 | 0.5 | 65.9 | 58.6 | 14.9 | 4.7 | 80.7 | 59.2 | 14.7 | 3.3 | 95.2 | 60.8 | 14.6 | 1.0 | Ohio Seed Improvement Association |
| RS 907 | Red | 98.1 | 60.9 | 14.5 | 87.9 | 60.8 | 16.7 | 1.1 | 79.8 | 60.6 | 16.4 | 3.0 | 95.0 | 60.5 | 14.7 | 2.3 | 79.8 | 59.3 | 16.0 | 2.1 | Rupp Seeds, Inc. |
| RS 967 | Red | 90.7 | 59.7 | 14.0 | 83.4 | 60.5 | 15.8 | 1.5 | 83.2 | 59.1 | 14.8 | 3.0 | 95.5 | 61.4 | 14.3 | 1.7 | 88.5 | 60.2 | 14.3 | 1.3 | Rupp Seeds, Inc. |
| RS 972 | Red | 101.2 | 57.7 | 17.3 | 96.3 | 57.7 | 19.5 | 0.9 | 70.7 | 54.8 | 14.8 | 5.0 | 84.7 | 57.6 | 14.5 | 5.7 | 98.4 | 58.9 | 15.0 | 1.2 | Rupp Seeds, Inc. |
| RS 9XP10 | Red | 95.5 | 61.2 | 14.6 | 91.2 | 61.1 | 16.5 | 1.1 | 81.4 | 59.1 | 15.3 | 2.0 | 103.4 | 61.4 | 14.4 | 2.0 | 96.3 | 60.1 | 14.8 | 2.0 | Rupp Seeds, Inc. |
| Steyer Heilman | Red | 98.7 | 59.0 | 14.0 | 84.9 | 59.7 | 15.7 | 1.7 | 81.5 | 57.8 | 14.5 | 3.7 | 89.6 | 58.8 | 14.1 | 4.7 | 95.1 | 59.8 | 14.0 | 1.2 | Steyer Seeds |
| Steyer Hunker | Red | 98.0 | 57.3 | 16.1 | 95.0 | 57.3 | 18.8 | 1.5 | 80.1 | 57.0 | 15.1 | 4.7 | 93.9 | 59.6 | 14.8 | 8.0 | 98.3 | 58.5 | 15.3 | 1.6 | Steyer Seeds |
| Steyer Pierson | Red | 90.3 | 58.6 | 16.6 | 79.0 | 56.6 | 22.6 | 1.2 | 74.5 | 57.7 | 15.8 | 2.7 | 80.5 | 59.0 | 14.8 | 3.0 | 100.4 | 60.2 | 15.1 | 1.2 | Steyer Seeds |
| Sunstar S-1200 | Red | 92.0 | 58.4 | 13.6 | 86.9 | 60.4 | 14.6 | 1.3 | 74.9 | 57.8 | 14.1 | 2.7 | 90.2 | 58.9 | 13.7 | 2.3 | 96.2 | 58.2 | 13.7 | 2.2 | Sunstar Hybrids |
| Sunstar S-2000 | Red | 93.4 | 58.9 | 14.5 | 85.0 | 59.9 | 17.1 | 1.5 | 82.1 | 58.9 | 14.7 | 2.0 | 95.4 | 60.2 | 14.4 | 1.3 | 97.8 | 58.5 | 14.8 | 1.8 | Sunstar Hybrids |
| SY 474 | Red | 96.0 | 59.4 | 15.0 | 88.0 | 59.8 | 17.9 | 1.2 | 71.1 | 58.0 | 16.1 | 2.0 | 83.8 | 60.0 | 14.6 | 3.0 | 96.9 | 59.6 | 15.5 | 1.0 | Syngenta |
| SY 483 | Red | 97.4 | 58.5 | 15.7 | 88.9 | 58.2 | 21.0 | 1.2 | 73.4 | 57.7 | 15.4 | 2.3 | 90.0 | 60.1 | 14.7 | 2.0 | 96.1 | 58.9 | 15.2 | 1.0 | Syngenta |
| SY 901 | White | 73.1 | 56.0 | 14.1 | 80.6 | 54.6 | 19.1 | 2.4 | 54.9 | 54.4 | 13.7 | 2.0 | 68.3 | 57.3 | 13.5 | 2.7 | 91.6 | 57.9 | 14.8 | 1.8 | Syngenta |
| VA09W-192WS | White | 75.6 | 57.6 | 14.9 | 70.9 | 54.6 | 21.4 | 2.7 | 72.5 | 58.4 | 17.2 | 1.7 | 77.0 | 58.5 | 14.2 | 2.3 | 69.7 | 55.4 | 18.0 | 4.1 | Virginia Crop Improvement Assc. / VA Tech |
| W 123 | Red | 89.9 | 59.0 | 14.3 | 87.1 | 60.0 | 15.6 | 1.7 | 71.3 | 58.1 | 14.4 | 3.7 | 84.9 | 59.0 | 14.2 | 4.0 | 87.0 | 59.9 | 14.8 | 2.0 | Wellman Seeds, Inc. |
| W 125 | Red | 94.8 | 58.6 | 14.2 | 90.3 | 59.1 | 15.7 | 1.6 | 71.6 | 56.2 | 14.3 | 3.7 | 82.6 | 58.5 | 14.1 | 3.3 | 99.1 | 60.3 | 13.8 | 1.1 | Wellman Seeds, Inc. |
| W 204 | Red | 86.9 | 58.5 | 14.1 | 88.8 | 60.1 | 15.5 | 1.6 | 80.7 | 57.9 | 15.0 | 1.7 | 91.0 | 59.2 | 14.0 | 1.7 | 102.1 | 59.5 | 14.5 | 1.3 | Wellman Seeds, Inc. |
| W 205 | Red | 83.3 | 55.4 | 18.4 | 83.8 | 51.8 | 24.4 | 1.9 | 75.6 | 57.3 | 16.4 | 1.7 | 93.7 | 59.5 | 15.0 | 1.3 | 92.3 | 59.1 | 16.0 | 1.7 | Wellman Seeds, Inc. |
| W 206 | Red | 96.7 | 60.2 | 14.9 | 92.7 | 61.2 | 17.5 | 0.7 | 78.8 | 58.5 | 15.4 | 2.3 | 97.0 | 61.6 | 14.3 | 2.0 | 98.5 | 60.3 | 14.4 | 1.3 | Wellman Seeds, Inc. |
| W 207 | Red | 99.8 | 57.6 | 16.7 | 94.5 | 57.4 | 19.4 | 1.6 | 75.1 | 55.9 | 14.8 | 1.7 | 83.2 | 57.6 | 14.5 | 5.0 | 103.0 | 59.5 | 15.1 | 1.0 | Wellman Seeds, Inc. |
| W 208 | Red | 87.2 | 58.2 | 16.3 | 83.5 | 56.6 | 20.2 | 1.4 | 66.9 | 56.6 | 15.3 | 3.3 | 80.6 | 58.4 | 14.6 | 2.7 | 98.5 | 60.6 | 15.2 | 1.4 | Wellman Seeds, Inc. |
| **MEAN** | | **91.5** | **58.5** | **15.1** | **86.0** | **59.0** | **17.6** | **1.3** | **71.0** | **57.6** | **15.1** | **2.7** | **84.3** | **59.2** | **14.4** | **3.0** | **92.9** | **59.2** | **14.9** | **1.5** | |
| **LSD (0.05)** | | **5.2** | **0.8** | **0.8** | **4.0** | **1.6** | **1.3** | **0.5** | **5.7** | **1.3** | **0.5** | **1.5** | **7.4** | **0.9** | **0.3** | **1.8** | **5.0** | **1.1** | **0.8** | **0.8** | |
| **CV (%)** | | **4.9** | **1.1** | **4.5** | **3.9** | **2.3** | **6.6** | **33.6** | **5.9** | **1.7** | **2.5** | **41.2** | **6.5** | **1.2** | **1.7** | **42.9** | **4.0** | **1.4** | **4.2** | **41.2** | |