



THE OHIO STATE UNIVERSITY

COLLEGE OF FOOD, AGRICULTURAL,
AND ENVIRONMENTAL SCIENCES

Hardin County Extension News Release

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Ohio Corn Performance Trials now Available

Hardin County – The 2018 Ohio Corn Performance Test Results are now available at the following web address: <http://oardc.osu.edu/corntrials/>. There were 189 corn hybrids entered in the test in 2018 compared to 205 in 2017. These hybrids were entered by 24 different companies.

Data was generated from a total of nine testing sites in Ohio with four placed in the Southwestern, West Central, and Central Ohio region, two in Northwestern Ohio region and three in North Central/Northeastern, Ohio region. There were two trials at each location, one early maturity and the other late maturity.

There were nine non-GMO hybrids entered into the Test. The most common traited hybrid in the Test was Roundup Ready plus corn borer resistance with a total of 62 hybrids. The next most common traited hybrid in the Test was Roundup Ready corn borer resistance, rootworm resistance, plus LibertyLink at 26 hybrids and Roundup Ready, corn borer plus LibertyLink at 26 hybrids. There were 18 hybrids containing traits of Roundup Ready, corn borer resistance, rootworm resistance, LibertyLink plus corn earworm. There were 15 other trait combinations in the Test that contained the following traits: glyphosate tolerance, drought tolerance, Vipera, corn earworm, Roundup Ready, corn borer, LibertyLink, rootworm, and Enlist.

The data charts in the web site are broken down into early and late maturity groups for each site, then a summary for a particular region within each maturity range. Within each region there are charts for each location having entries for two or three years and then there is a summary for the region. The charts that are of most significance are those having combined regional data. There are two combined table types, one for all locations and the other for Western Ohio. The Ohio State University Corn Extension Specialist, Peter Thomison says these

combined data sets are the most important in choosing hybrids because it takes into account the greatest soil and weather variabilities. Therefore, top yielding hybrids in these summaries should produce well under a broad range of environments.

Within each chart you can sort for a single variable such as for yield. Statistics are used to separate hybrids that were entered for 2018. The highest yielding hybrid is signified by two asterisks (**) and those hybrids statistically similar to the highest yield hybrid is represented by a single asterisk (*). So, choose hybrids that are statistically similar to the highest yielding hybrids. No statistics, other than an average was used for hybrids entered for two or three years. In this case choose hybrids that are above average and/or within the top 5%.

If we look at the one-year summary table for Western Ohio, the top yielding hybrid was Channel 209-15VT2PRIB with a yield of 276.6 bushels per acre. This hybrid has the traits of Roundup Ready plus corn borer resistance. Seven other hybrids were statistically similar to the Channel hybrid. Of these hybrids there were two different trait combinations with Roundup Ready plus corn borer resistance in all of them.

When looking at the two-year summary table for Southwestern, West Central and Central Ohio, Channel 209-15VT2PRIB had the highest yield at 294.6 bushels per acre. This hybrid contained Roundup Ready plus corn borer resistance traits. There were two other hybrids within the top 5% of the highest yielding hybrid. These had Roundup Ready plus corn borer resistance traits with one also containing the corn earworm resistance trait.

When looking at the three-year summary table for Southwestern, West Central, and Central Ohio, Channel 216-36VT2PRIB was the highest yielding hybrid at 273.2 bushels per acre. This hybrid contained Roundup Ready plus corn borer resistance traits. Only one other hybrid was within the top 5% of the Channel hybrid which had the same traits.

Article written by Jeff Stachler, OSU Extension-Auglaize County