

2023 Ohio Corn Performance Test



R.J. Minyo and O. Ortez, The Ohio State University College of Food, Agricultural, and Environmental Sciences (CFAES) Department of Horticulture and Crop Science, M.A. Lowe, CFAES Wooster Farm Operations, and D.G. Lohnes, CFAES Information Technology

The purpose of the Ohio Corn Performance Test (OCPT) is to evaluate corn hybrids for grain yield and other important agronomic characteristics. Results of the test can assist farmers in selecting hybrids best suited to their farming operations and production environments as well as complement recommendations made by seed companies and breeding programs. Corn hybrids differ considerably in yield potential, standability, maturity, and other agronomic characteristics that affect profitable crop production. Hybrid selection should be based on proven performance from multiple test locations and years. The presentation of results in this report does not imply endorsement of any hybrid by The Ohio State University.

EVALUATION PROCEDURES

Seed companies marketing corn hybrids in Ohio are invited to enter hybrids in the test. An entry fee is charged to cover expenses. In 2023, companies were permitted to enter an unlimited number of hybrids. Ten sites were available for hybrid evaluation covering three regions of Ohio (Southwestern/West Central/Central, Northwestern, North Central/Northeastern). Seed companies were required to enter a hybrid at all the sites within a testing region. Each hybrid entry was evaluated using three replications per site in a randomized complete block design. Hybrids were planted either in an early or full season maturity trial based on relative maturity information provided by the companies. In the Southwestern/West Central/Central region, the relative maturity of hybrid entries in the early maturity trial was 111 days or earlier; the relative maturity of hybrid entries in the full season trial was 112 days or later. In the Northwestern and North Central/Northeastern regions, the relative maturity of hybrid entries in the early maturity trial was 108 days or earlier; the relative maturity of hybrid entries in the full season trial was 109 days or later. Hybrids were planted with an Almaco Seed Pro 360 plot planter with SkyTrip GPS. Each plot consisted of four 30-inch rows approximately 25 feet long. Force 6.5 soil insecticide was applied in a T-band to all plots. Seed companies selected a final stand and percent overplant for each hybrid entered. Fertilizer, herbicides, insecticides, and foliar fungicides were applied according to recommended cultural practices for obtaining optimum grain yields. Details concerning the establishment and management of each 2023 test are listed in footnotes below the tables for each location.

MEASUREMENTS AND RECORDS

YIELD. The center two rows of each plot were harvested with a self propelled two row picker sheller combine. Yields were reported as bushels of grain per acre (Bu/A) at 15.5% moisture.

MOISTURE (Harv Mst). A grain moisture determination was made from each plot with an electrical conductance moisture meter. Grain moisture was reported as percent grain moisture.

LODGING (Stk Ldg). The number of broken stalks in each plot was determined just prior to harvest. Only those plants with a stalk broken below the ear were considered stalk lodged. Stalk lodging was reported as a percentage of final plant stand.

FINAL STAND (Final Std). Seed companies selected a desired planting rate for each hybrid entered. Differences between the planting rate and the final stand may be attributed to seed quality and/or environmental conditions present. Populations were reported in hundreds per acre (100/A).

EMERGENCE (Emg). An emergence count was made on each plot after plant emergence. The emergence percentage was computed based on the number of plants and the number of seeds planted and was reported as a percentage of the seeds planted.

TEST WEIGHT (TW). Test weights were recorded in pounds (Lbs.) per bushel on grain samples at field moisture. The results are a summary (average) of all sites in each region.

LSD 0.10. Least Significant Differences at probability level 0.10 (LSD 0.10) are reported for yield and other agronomic characteristics. Differences between hybrids are significant only if they are equal to or greater than the LSD value. If a given hybrid out-yields another hybrid by as much or more than the LSD value, then we are 90% confident (i.e., the odds are 10:1) that the yield difference is real, with only a 10% probability that the difference is due to chance variation (such as soil variation, etc.). For example, if Hybrid X is 19 Bu/A higher in yield than Hybrid Y, then this difference is statistically significant if the LSD is 19 Bu/A or less. If the LSD is 20 Bu/A or greater, then we are less confident that Hybrid X is really higher yielding than Hybrid Y under conditions of the test. If 'NS' is indicated for a characteristic, then the differences among hybrid entries are not significant at the 10% probability level.



2023 GROWING CONDITIONS

Overall, growing conditions in 2023 were favorable for most areas of the state. The first part of April saw cold and wet conditions which led to a slow start to the planting season. Drier conditions in late April opened up a planting window and allowed producers to get a start on planting. Planting progress in May started slow, but better conditions facilitated planting progress by the second half of the month. By May 7, only 11% of corn was planted in Ohio, according to USDA reports. By May 14, planting progress had advanced to 26% percent. Most planting progress came in the last part of May, with 89% of Ohio's corn planted by May 28. In some areas of the state, the end of May and early June became abnormally dry which resulted in crop variability and emergence issues. During the growing season, most of the 2023 crop's progress was behind as compared to 2022 and the 5-year average in Ohio, resulting in delayed crop maturity, dry down, and harvest.

Rainfall in the 2023 growing season was variable across sites; it ranged from 14.6 inches (Greenville) to 21.7 inches (Hebron) in the Southwest/West Central Region. Growing degree day (GDD) accumulation was below average for the entire growing season this year. In June, average temperature was 4.5°F below average and 1.5°F below average in July and August. Often when GDD accumulation is below average early in the season, it is above average later in the season. This year by the end of June OCPT sites were 225 GDDs below normal with this trend continuing with GDD accumulation 340 below average by the end of September when most corn should have normally reached black layer.

Foliar diseases (gray leaf spot, northern corn leaf blight, and tar spot) were present at harvest at nearly all sites. Seven of the nine sites had fungicide applied between VT/R1 and early brown silk (R2) but still had disease present at harvest. Ear rots (primarily Gibberella and/or Diplodia) were present at most sites. The severity of the disease pressure was variable by location, and hybrid differences were observed. At some locations, with select hybrids, tar spot caused early plant death before black layer reducing test weight and yield. The delayed maturity also caused some varieties to be frost-killed in a few locations before black layer. In locations where tar spot appeared late in the season, less yield impact was observed.

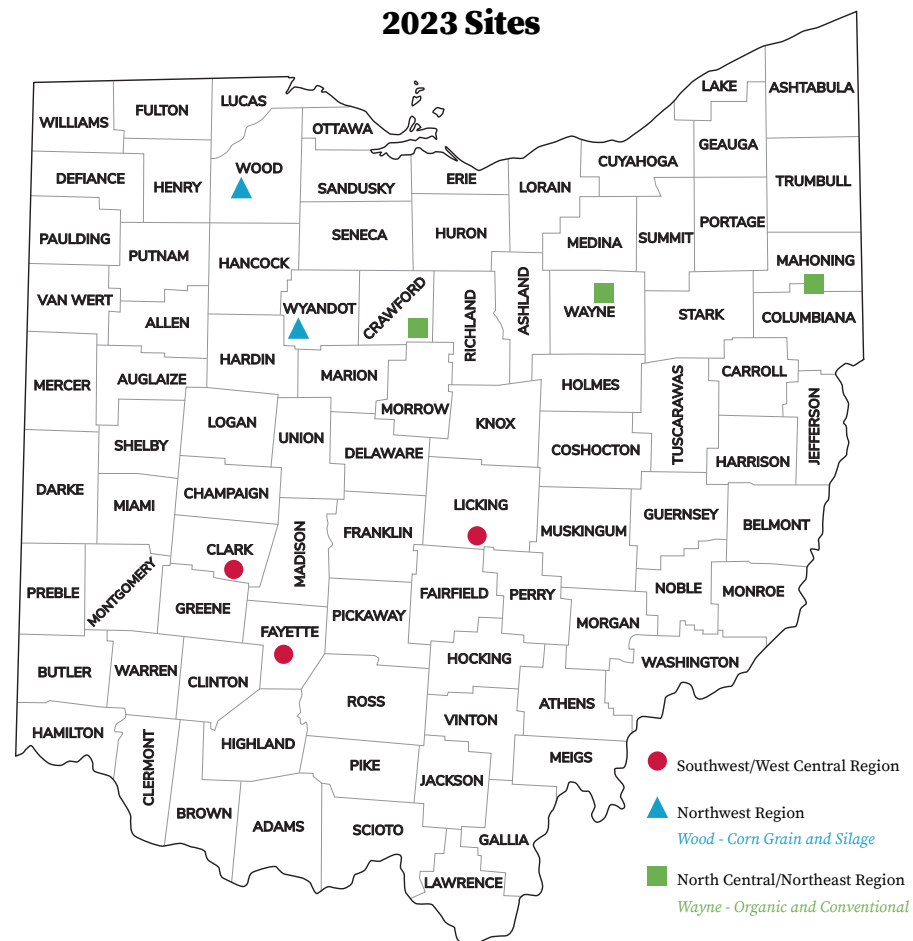
Harvest progress was slow this fall due to below normal temperatures, which delayed plant maturity, leading to above average grain moisture with below normal drying conditions. Harvest was further delayed by challenges in transportation when elevators reached drying/storage capacity and reduced operating hours.

RESULTS

Results of the 2023 testing program are presented in Tables 1 to 10. Yields and other agronomic performance characteristics have been averaged across the individual test sites and shown under the "Summary" heading for each region in Tables 1 through 9. A combined regional summary of hybrid performance is presented in Table 10. The brand, seed source, hybrid number, and table location for hybrids tested in 2023 are summarized in Table 11. Hybrids are listed in alphabetical order by brand. Additionally, the technology traits (e.g., herbicide and insect resistant events) and seed treatments (e.g., insecticide and fungicide) associated with each hybrid entry are indicated in Table 11 (information provided by seed companies).

Yields varied across the state depending on planting dates, rainfall distribution, timing, total precipitation received, and disease pressure. Despite fluctuating temperatures and variable precipitation during grain fill, OCPT yields exceeded expectations. Averaged across hybrid entries in the early and full season tests, yields were 298 Bu/A in the Southwestern/West Central/Central region, 261 Bu/A in the Northwestern region, and 271 Bu/A in the North Central/Northeastern region. Yields at individual test sites, averaged across hybrid entries in the early and full season tests, ranged from 228 Bu/A

Ohio Corn Performance Test 2023 Sites



at Hoytville to 314 Bu/A at Hebron. Gibberella ear rot (GER) and other ear molds were observed in some hybrids at most locations. Visual disease levels varied greatly by hybrid. Locational differences were harder to verify as harvest was pushed later due to environmental factors. GER severity also increased at those locations. Tar spot was present at all locations at harvest with the exception being Hebron which had two fungicide applications at VT/R1 and 21 days later. The Northwest Agricultural Research Station had the most severe tar spot infection impact. Some varieties at this location died much earlier than they would have naturally, potentially reducing yield. Tar spot in Wooster appeared later than Hoytville and reduced top end yield while at most other locations the tar spot impact was primarily to test weight.

Confidence in test results increases with the number of years and the number of locations in which the hybrid is tested. Table 10 presents combined performance data for hybrids tested at five and seven locations in 2023. Tables 2, 3, 5, 6, 8, and 9 provide multiple year performance data as well. Look for consistency in a hybrid's performance across a range of environmental conditions. Yield, standability, grain moisture, and other comparisons should be considered between hybrids of similar maturity to determine those best adapted to each location or region. Results of the corn performance trials for 2023 and previous years (archive tab, 2000 to 2022) are available online at ohiocroptest.cfaes.osu.edu/corntrials. Results and hybrids can be sorted by yield, brand, and other variables online.

ACKNOWLEDGEMENTS

We thank our farmer cooperators for their contributions to the 2023 OCPT. We are grateful for the assistance provided by Matt Lowe, CFAES Wooster Farm Operations with establishing the test plots; Joe Davlin, Western Agricultural Research Station; Matt Davis, Northwest Agricultural Research Station; and Ken Scaife and Mike Sword, CFAES Wooster. We thank Juliette Portisch and Stacy Cochran, CFAES Knowledge Exchange, for their assistance in preparing the 2023 test results for publication.

TABLE 4E. Performance of hybrids in the early maturity trial. NORTHWESTERN Ohio, 2023.

Brand	Hybrid	Van Wert					Hoytville					Upper Sandusky					Summary					
		Yield	Harv. Mst.	Stk. Ldg.	Final Std.	Emg.	Yield	Harv. Mst.	Stk. Ldg.	Final Std.	Emg.	Yield	Harv. Mst.	Stk. Ldg.	Final Std.	Emg.	Yield	Harv. Mst.	Stk. Ldg.	Final Std.	Emg.	TW
		Bu/A	----%----		100/A	--%--	Bu/A	----%----		100/A	--%--	Bu/A	----%----		100/A	--%--	Bu/A	----%----		100/A	--%--	Lbs.
AXIS SEED	53B25	242.4	20.6	0	354	98	247.6	16.2	0	355	98	296.7	18.7	0	360	99	262.2	18.5	0	356	98	55.5
AXIS SEED	54T64	249.5	19.2	0	363	99	259.4	17.4	1	350	95	282.0	18.4	0	358	97	263.7	18.3	0	357	97	56.6
AXIS SEED	57K72	271.4	20.4	0	355	98	223.4	15.4	0	350	96	308.4	18.0	0	356	96	267.7	18.0	0	354	97	56.2
BA GENETICS	BA 22-05 VT2P	251.2	18.7	0	324	96	222.9	15.6	0	355	96	278.1	18.4	0	339	93	250.7	17.6	0	339	95	58.0
BLUE RIVER	49M23	227.2	20.6	0	337	98	247.5	18.3	0	329	96	268.6	18.3	0	335	98	247.7	19.1	0	334	97	55.7
CHANNEL	207-87VT2PRIB	271.7	20.9	0	329	97	217.1	16.6	0	330	97	300.9	18.5	0	332	97	263.2	18.7	0	330	97	56.3
DEKALB	DKC101-35RIB	264.7	20.6	0	352	99	226.8	15.1	0	343	97	301.3	18.6	0	334	97	264.3	18.1	0	343	98	53.7
DEKALB	DKC105-35RIB	273.5	20.5	0	346	98	222.8	15.4	0	342	98	310.1	17.7	0	343	97	268.8	17.9	0	344	98	55.0
DEKALB	DKC107-33RIB	273.9	23.5	0	339	98	196.7	16.9	0	336	96	286.8	19.4	0	341	97	252.5	20.0	0	339	97	54.7
DEKALB	DKC53-27RIB	246.4	20.1	0	347	97	223.5	17.3	0	351	98	284.1	18.5	0	336	96	251.3	18.6	0	345	97	55.7
DEKALB	DKC56-26RIB	280.3	21.0	0	341	97	244.3	17.0	0	351	99	304.5	18.6	0	348	98	276.3	18.9	0	347	98	54.7
DEKALB	DKC56-65RIB	263.1	21.0	0	376	100	211.2	17.5	0	358	97	303.5	19.1	0	376	100	259.3	19.2	0	370	99	55.8
DEKALB	DKC57-45RIB	266.1	21.8	0	343	99	237.7	17.5	0	338	96	296.4	19.5	0	343	98	266.7	19.6	0	342	98	54.4
DYNA-GRO	D41TC74RIB	223.7	21.5	0	324	98	229.0	15.1	0	333	97	283.6	18.2	0	330	98	245.5	18.3	0	329	98	55.3
DYNA-GRO	D45TC55RIB	257.5	21.2	0	345	98	231.8	15.5	0	350	98	287.0	18.7	0	343	97	258.8	18.5	0	346	98	55.0
EBBERTS	1335C	268.9	19.2	0	334	98	226.0	15.5	1	328	95	306.3	18.0	0	341	97	267.1	17.6	0	334	97	56.0
EBBERTS	7188PC	258.4	21.8	0	330	98	219.6	21.2	0	330	95	307.7	20.1	0	345	98	261.9	21.0	0	335	97	55.2
FS INVISION	FS 5525VDG RIB	251.7	21.0	0	347	96	208.6	15.4	0	339	92	292.4	17.9	0	355	97	250.9	18.1	0	347	95	54.3
FS INVISION	FS 5829V RIB	259.7	21.5	0	347	96	228.9	18.5	0	346	95	299.7	19.6	0	337	92	262.8	19.8	0	343	94	53.6
FS INVISION	FS 5835V RIB	269.0	22.1	0	354	98	217.4	17.0	0	345	95	308.0	20.1	0	354	97	264.8	19.7	0	351	97	56.4
GOLDEN HARVEST	G03B19-AA	236.5	19.1	0	342	98	217.4	17.2	0	333	96	282.2	18.3	0	334	96	245.4	18.2	0	336	96	57.3
NK	NK0295-AA	213.5	20.8	0	341	99	Animal Damage				261.4	18.6	0	345	98							
NK	NK0835-AA	245.2	21.4	0	336	99	225.0	18.5	0	327	94	272.4	20.1	0	333	96	247.5	20.0	0	332	96	55.9
PC SEED	PC 3305	266.6	19.7	0	355	96	226.5	15.7	0	348	92	305.6	18.0	0	367	98	266.3	17.8	0	357	96	56.0
PC SEED	PC 8408	264.5	22.7	0	343	94	240.3	21.2	0	334	90	308.5	20.2	0	345	93	271.1	21.4	0	341	92	54.8
SEED CONSULTANTS	SC 1042Q	240.6	21.6	0	336	98	249.8	17.6	1	336	98	291.6	18.3	0	347	99	260.7	19.2	0	339	99	55.2
SEED CONSULTANTS	SC 1054AM	252.1	20.1	0	319	93	222.5	17.2	0	329	94	275.0	18.6	0	315	87	249.9	18.6	0	321	91	56.3
SEED CONSULTANTS	SC 1084AM	271.3	21.6	0	329	98	232.7	18.6	0	330	97	305.6	19.4	0	333	95	269.9	19.9	0	331	97	54.5
SEED GENETICS DIRECT	AGI 3104PWE	250.4	19.3	0	367	99	264.8	17.1	0	358	98	309.3	18.3	0	367	99	274.8	18.2	0	364	98	56.7
SEED GENETICS DIRECT	AGI 4106PWE	249.2	20.8	0	360	99	228.5	18.8	0	345	94	301.1	19.0	0	356	97	259.6	19.5	0	354	97	55.3
SEED GENETICS DIRECT	Direct 0101-DV	234.6	20.7	0	372	99	230.4	18.6	0	370	97	284.5	18.3	0	381	100	249.8	19.2	0	374	99	57.7
SEED GENETICS DIRECT	Direct 2107-V	243.6	21.9	0	352	99	223.6	18.5	0	363	98	274.0	19.3	0	360	97	247.1	19.9	0	358	98	54.7
SEED GENETICS DIRECT	Direct 9107-3010	248.9	20.9	0	358	98	253.7	21.3	0	346	95	289.4	18.6	0	363	98	264.0	20.3	0	355	97	56.0
SHUR GROW	SG6534	234.2	19.3	0	321	98	247.7	17.7	0	337	96	294.2	18.3	0	360	98	258.7	18.4	0	339	97	56.6
SHUR GROW	SG6633	260.3	21.1	0	329	96	235.0	16.7	0	330	94	296.8	18.5	0	329	94	264.0	18.8	0	330	95	56.9
SHUR GROW	SG6744	245.5	20.6	0	343	99	217.9	18.3	0	332	96	296.8	18.7	0	341	97	253.4	19.2	0	339	97	55.0
VIKING / BLUE RIVER	46-02	239.5	19.8	0	321	95	238.3	16.3	0	333	97	281.3	18.0	0	323	94	253.0	18.0	0	326	95	56.6
VIKING / BLUE RIVER	48-08	244.5	21.9	0	337	99	238.6	18.2	2	325	94	289.0	20.2	0	334	96	257.4	20.1	1	332	96	52.9
VIKING / BLUE RIVER	84-04	249.7	18.7	0	333	98	256.7	17.2	0	332	98	298.4	17.7	0	337	99	268.2	17.9	0	334	98	58.0
High		280.3	23.5	0	376	100	264.8	21.3	2	370	99	310.1	20.2	0	381	100	276.3	21.4	1	374	99	58.0
Average		252.8	20.7	0	343	98	231.4	17.3	0	341	96	292.9	18.7	0	345	97	259.7	18.9	0	343	97	55.6
Low		213.5	18.7	0	319	93	196.7	15.1	0	325	90	261.4	17.7	0	315	87	245.4	17.6	0	321	91	52.9
LSD .10		10.8	0.6	0	9	2	9.5	0.6	1	12	4	15.4	0.5	0	10	3	17.3	1.2	0	9	2	1.1

Soil Type	Pewamo Silty Clay Loam	Hoytville Clay	Blount Silt Loam
Soil Test (pH,P,K)	----- Results will be posted to the Corn Performance Test website when available. -----		
Previous Crop	Soybeans	Soybeans	Soybeans
Planting /Harvest Dates	May 6 / Nov. 2, 2023	May 17 / Oct. 26, 2023	May 18 / Nov. 28, 2023
Tillage	Strip Till	Stale Seedbed	Minimum Till
Fertilizer (N,P,K)	225, 26, 120, 6S	210, 26, 0, 6S	224, 104, 90, 6S
Fungicide	Yes	No	Yes
Cooperator	Nick Williams Farms	Matt Davis, CFAES Wooster	Larry Ross
County	Van Wert	Wood	Wyandot

TABLE 7E. Performance of hybrids in the early maturity trial. NORTH CENTRAL and NORTHEASTERN Ohio, 2023.

Brand	Hybrid	Wooster					Columbiana					Summary					
		Yield	Harv. Mst.	Stk. Ldg.	Final Std.	Emg.	Yield	Harv. Mst.	Stk. Ldg.	Final Std.	Emg.	Yield	Harv. Mst.	Stk. Ldg.	Final Std.	Emg.	TW
		Bu/A	----%----		100/A	--%--	Bu/A	----%----		100/A	--%--	Bu/A	----%----		100/A	--%--	Lbs.
AXIS SEED	57K72	235.4	22.0	0	343	94	307.4	22.4	2	350	95	271.4	22.2	1	347	94	53.4
BA GENETICS	BA 22-05 VT2P	231.8	20.8	1	330	90	284.8	21.0	0	323	94	258.3	20.9	0	327	92	55.4
BLUE RIVER	49M23	240.3	22.2	0	328	96	285.8	21.6	0	343	99	263.0	21.9	0	336	97	53.5
CHANNEL	207-87VT2PRIB	227.0	21.8	0	310	91	312.9	23.6	0	327	95	269.9	22.7	0	318	93	53.6
DEKALB	DKC101-35RIB	257.1	21.2	0	343	97	310.5	20.9	0	341	97	283.8	21.0	0	342	97	52.5
DEKALB	DKC105-35RIB	262.8	22.1	0	334	97	319.1	21.4	0	347	97	290.9	21.8	0	341	97	52.8
DEKALB	DKC107-33RIB	222.0	22.3	0	341	97	313.9	24.5	0	350	98	267.9	23.4	0	345	98	53.5
DEKALB	DKC53-27RIB	241.1	21.8	2	346	98	279.5	21.3	1	332	94	260.3	21.5	1	339	96	53.6
DEKALB	DKC56-26RIB	249.3	22.9	0	327	94	308.0	24.1	4	348	98	278.6	23.5	2	338	96	51.8
DEKALB	DKC56-65RIB	250.9	23.1	0	358	96	301.7	24.5	0	361	96	276.3	23.8	0	359	96	52.8
DEKALB	DKC57-45RIB	253.8	25.9	0	328	94	296.9	24.0	0	348	99	275.3	25.0	0	338	96	51.1
DYNA-GRO	D41TC74RIB	234.3	21.2	0	315	93	292.3	20.4	0	338	98	263.3	20.8	0	327	95	54.4
DYNA-GRO	D45TC55RIB	259.2	23.2	0	337	96	308.3	22.8	0	339	96	283.8	23.0	0	338	96	51.8
EBBERTS	1335C	263.3	21.2	0	324	94	324.4	21.9	0	339	97	293.9	21.5	0	332	96	54.1
EBBERTS	7000TR	243.6	20.9	0	348	94	303.3	19.8	0	367	98	273.5	20.3	0	358	96	54.3
EBBERTS	7098PC	249.0	20.7	0	356	98	300.9	18.4	7	359	97	275.0	19.5	3	358	97	55.5
EBBERTS	7188PC	266.6	25.0	0	332	98	300.2	24.7	0	328	98	283.4	24.8	0	330	98	53.1
FS INVISION	FS 5525VDG RIB	238.5	20.6	0	310	85	303.6	22.7	0	354	95	271.0	21.7	0	332	90	53.1
FS INVISION	FS 5829V RIB	239.7	26.8	0	323	89	297.1	23.0	0	346	94	268.4	24.9	0	334	91	51.2
FS INVISION	FS 5835V RIB	231.0	24.1	0	338	92	319.1	24.9	0	351	96	275.1	24.5	0	345	94	53.9
GOLDEN HARVEST	G03B19-AA	229.7	22.6	0	328	95	291.0	22.4	0	348	99	260.3	22.5	0	338	97	54.3
NK	NK0295-AA	220.9	22.5	0	338	98	278.5	21.3	0	342	100	249.7	21.9	0	340	99	53.7
NK	NK0835-AA	247.2	24.8	0	332	97	274.2	26.3	4	329	97	260.7	25.6	2	330	97	52.8
SEED CONSULTANTS	SC 1042Q	249.9	22.4	0	337	97	301.6	21.7	0	332	97	275.8	22.0	0	334	97	54.1
SEED CONSULTANTS	SC 1054AM	251.1	21.3	0	318	92	302.6	22.0	1	321	91	276.8	21.7	1	319	92	54.9
SEED CONSULTANTS	SC 1084AM	256.3	23.7	0	338	98	322.3	24.6	0	333	98	289.3	24.2	0	336	98	52.1
SEED GENETICS DIRECT	AGI 3104PWE	238.4	21.8	0	339	93	312.0	20.5	0	363	98	275.2	21.2	0	351	95	54.2
SEED GENETICS DIRECT	AGI 4106PWE	250.2	25.3	0	333	91	288.9	25.9	0	364	99	269.5	25.6	0	348	95	52.7
SEED GENETICS DIRECT	Direct 0101-DV	228.9	22.5	0	361	95	285.6	22.0	0	369	97	257.3	22.2	0	365	96	55.4
SEED GENETICS DIRECT	Direct 2107-V	232.8	24.4	0	345	96	281.4	23.3	0	364	99	257.1	23.9	0	354	97	52.1
SEED GENETICS DIRECT	Direct 9107-3010	224.1	22.2	0	333	91	278.1	23.7	17	359	97	251.1	22.9	8	346	94	54.8
SEEDWAY	SW 0030VT	246.8	21.1	0	320	96	294.1	20.1	0	320	96	270.5	20.6	0	320	96	54.4
SEEDWAY	SW 9600SS	228.6	20.2	0	298	90	288.3	19.9	0	320	95	258.4	20.1	0	309	93	56.1
SEEDWAY	SW 9726TR	247.0	20.1	0	299	92	300.9	19.3	0	314	96	274.0	19.7	0	306	94	54.5
SEEDWAY	SW 9876SS	238.0	19.8	0	298	90	292.2	19.5	0	312	94	265.1	19.7	0	305	92	55.5
SHUR GROW	SG6534	236.7	22.3	0	336	92	303.5	20.5	0	327	97	270.1	21.4	0	331	94	54.1
SHUR GROW	SG6633	273.4	23.0	0	321	96	303.1	24.8	7	325	96	288.2	23.9	3	323	96	54.3
SHUR GROW	SG6744	233.3	24.6	0	310	92	283.8	25.8	0	333	97	258.5	25.2	0	321	94	52.2
VIKING / BLUE RIVER	46-02	250.8	20.9	0	318	93	300.6	20.1	0	336	98	275.7	20.5	0	327	95	55.5
VIKING / BLUE RIVER	48-08	271.2	25.3	0	334	97	298.3	22.7	0	336	96	284.7	24.0	0	335	96	51.5
VIKING / BLUE RIVER	84-04	266.4	21.7	0	319	94	299.2	20.0	0	329	97	282.8	20.9	0	324	95	55.5
High		273.4	26.8	2	361	98	324.4	26.3	17	369	100	293.9	25.6	8	365	99	56.1
Average		244.4	22.5	0	330	94	298.8	22.3	1	341	97	271.6	22.4	1	335	95	53.7
Low		220.9	19.8	0	298	85	274.2	18.4	0	312	91	249.7	19.5	0	305	90	51.1
LSD .10		16.2	1.3	1	20	6	16.3	0.7	7	10	3	12.7	1.0	3	12	3	0.7

Soil Type	Canfield Silt Loam	Canfield Silt Loam
Soil Test (pH,P,K)	--- Results will be posted to the Corn Performance Test website when available.---	
Previous Crop	Corn	Double Crop Soybeans
Planting /Harvest Dates	May 22 / Nov. 9, 2023	May 25 / Nov. 14, 2023
Tillage	Min Till	Min Till
Fertilizer (N,P,K)	237, 95, 90, 12S	228, 26, 137, 19S
Fungicide	No	Yes
Cooperator	Mike Sword/Ken Scaife	Myron Wehr
County	CFAES Wooster	Columbiana
	Wayne	

TABLE 7L. Performance of hybrids in the full-season trial. NORTH CENTRAL and NORTHEASTERN Ohio, 2023.

Brand	Hybrid	Wooster					Columbiana					Summary					
		Yield	Harv.	Stk.	Final	Emg.	Yield	Harv.	Stk.	Final	Emg.	Yield	Harv.	Stk.	Final	Emg.	TW
		Bu/A	----%----	Ldg.	100/A	--%--	Bu/A	----%----	Ldg.	100/A	--%--	Bu/A	----%----	100/A	--%--	Lbs.	
1st Choice Seeds	FC 8047 C	291.2	23.3	0	355	98	320.2	23.9	0	359	99	305.7	23.6	0	357	98	53.3
1st Choice Seeds	FC 8120 VT2P RIB	242.4	23.0	0	360	98	287.1	25.3	0	338	92	264.8	24.1	0	349	95	54.2
1st Choice Seeds	FC 8137 PC	244.1	25.0	0	356	97	285.3	26.9	0	360	97	264.7	26.0	0	358	97	51.6
1st Choice Seeds	FC 8235 VT2P RIB	240.3	23.8	0	359	98	309.4	26.9	0	354	96	274.8	25.3	0	356	97	53.0
AXIS SEED	59A25	257.9	24.3	0	367	99	309.3	24.0	0	351	95	283.6	24.2	0	359	97	52.3
AXIS SEED	59D20	225.4	23.4	0	351	96	320.5	25.0	0	356	97	272.9	24.2	0	354	97	52.6
AXIS SEED	61A66	245.8	24.3	0	323	89	291.3	25.4	0	328	88	268.6	24.8	0	325	89	51.7
AXIS SEED	63H27	231.3	25.2	0	359	99	308.0	26.0	0	361	98	269.6	25.6	0	360	98	52.2
AXIS SEED	63M73	231.7	24.7	0	329	90	309.3	25.2	0	332	90	270.5	24.9	0	330	90	53.0
AXIS SEED	64W69	204.7	27.4	0	360	98	282.9	27.9	17	352	96	243.8	27.7	8	356	97	50.5
AXIS SEED	65W75	206.2	25.6	0	348	96	307.2	26.5	0	355	97	256.7	26.1	0	352	96	53.5
BA GENETICS	BA 20-13 DGVT2P	235.3	25.1	0	355	96	298.5	25.5	0	336	98	266.9	25.3	0	345	97	52.1
BA GENETICS	BA 23-09 VT2P	237.1	24.7	0	354	96	294.2	25.2	0	330	97	265.7	24.9	0	342	96	53.6
BA GENETICS	BA 23-14 VT2P	232.9	26.0	0	342	93	285.9	26.9	0	324	94	259.4	26.5	0	333	94	53.2
BA GENETICS	BA 24-09C	282.8	24.9	0	348	96	287.8	22.9	0	320	94	285.3	23.9	0	334	95	54.9
BA GENETICS	BA 25-12 VT2P	266.0	25.3	0	347	95	320.4	25.0	0	327	95	293.2	25.1	0	337	95	53.4
BA GENETICS	BA 25-16	260.4	27.0	0	369	99	290.6	25.5	0	343	97	275.5	26.3	0	356	98	53.1
BLUE RIVER	64K93	217.7	27.5	0	325	95	286.3	24.0	0	324	94	252.0	25.8	0	325	95	52.0
BLUE RIVER	66G25	253.1	27.4	0	336	98	294.4	25.4	0	327	95	273.8	26.4	0	331	96	52.6
BLUE RIVER	82-14	237.7	24.1	0	334	99	274.2	27.0	0	328	95	256.0	25.6	0	331	97	52.0
CHANNEL	211-11VT2PRIB	253.1	24.5	0	338	98	297.8	25.1	0	337	98	275.4	24.8	0	338	98	53.5
CHANNEL	214-78DGVT2PRIB	215.7	24.8	0	321	94	309.6	26.1	0	334	97	262.6	25.5	0	328	95	53.5
DEKALB	DKC111-35RIB	227.9	22.7	0	343	99	297.0	23.7	0	348	99	262.4	23.2	0	346	99	54.4
DEKALB	DKC115-33RIB	233.2	24.1	0	341	97	290.0	25.7	0	341	97	261.6	24.9	0	341	97	53.0
DEKALB	DKC59-82RIB	225.8	24.0	0	348	91	334.2	24.6	0	370	98	280.0	24.3	0	359	94	51.8
DEKALB	DKC62-70RIB	189.4	23.8	0	333	95	301.8	26.5	0	348	99	245.6	25.2	0	341	97	53.9
DEKALB	DKC63-91RIB	217.7	24.0	0	369	98	312.7	26.5	0	361	96	265.2	25.3	0	365	97	51.7
DEKALB	DKC64-22RIB	221.8	23.8	0	363	96	296.5	25.0	0	355	95	259.2	24.4	0	359	95	55.1
DEKALB	DKC66-06RIB	276.8	27.2	0	342	97	315.9	27.8	0	345	97	296.4	27.5	0	343	97	52.9
DEKALB	DKC68-35RIB	246.1	26.8	0	346	99	309.0	26.6	0	345	99	277.6	26.7	0	345	99	53.8
DYNA-GRO	D53VC54RIB	254.6	28.7	0	321	96	291.7	25.6	0	323	97	273.2	27.2	0	322	96	52.9
EBBERTS	1449C	249.8	24.8	0	305	89	301.8	23.2	0	330	97	275.8	24.0	0	318	93	54.5
EBBERTS	1660C	255.0	23.5	0	327	95	335.4	23.8	0	333	97	295.2	23.7	0	330	96	53.3
EBBERTS	6220VT2P	235.0	24.1	0	327	94	312.6	25.9	0	333	97	273.8	25.0	0	330	96	53.7
EBBERTS	7209TR RIB	257.1	23.1	0	334	97	304.9	25.4	0	324	96	281.0	24.3	0	329	97	52.1
EBBERTS	9779SSX	226.8	23.6	0	360	97	323.1	25.7	0	355	97	275.0	24.7	0	358	97	53.5
FS INVISION	FS 6017V RIB	253.1	24.5	0	334	91	317.6	25.9	0	346	94	285.3	25.2	0	340	92	51.1
FS INVISION	FS 6133VDG RIB	263.8	26.9	0	364	94	312.8	27.2	0	363	96	288.3	27.1	0	363	95	51.7
FS INVISION	FS 6137PC RIB	224.1	25.5	0	343	94	291.4	25.5	0	352	95	257.8	25.5	0	348	95	51.5
FS INVISION	FS 6225L1 EZR	237.9	25.9	0	348	95	306.7	26.4	0	360	97	272.3	26.2	0	354	96	52.2
FS INVISION	FS 6306T RIB	244.1	23.8	0	352	96	308.5	25.7	0	339	92	276.3	24.7	0	346	94	53.2
GOLDEN HARVEST	G10B61-AA	234.3	25.9	0	359	98	290.4	26.5	0	350	96	262.3	26.2	0	354	97	52.3
GOLDEN HARVEST	G10L16-DV	214.0	25.7	0	356	98	292.9	26.5	0	364	98	253.4	26.1	0	360	98	51.0
GOLDEN HARVEST	G11V76-AA	225.5	26.0	0	351	96	300.6	26.7	0	364	97	263.1	26.3	0	358	97	52.1
GOLDEN HARVEST	G12S75-D	281.5	27.4	0	355	98	322.9	27.7	0	354	96	302.2	27.5	0	354	97	51.3
NK	NK1040-AA	247.1	26.4	0	330	97	289.0	27.0	0	325	98	268.1	26.7	0	328	97	52.0
NK	NK1082-DV	217.9	25.5	0	334	97	275.6	26.6	1	330	99	246.8	26.1	1	332	98	51.2
NK	NK1239-D	256.9	29.4	0	354	97	317.2	28.1	0	347	96	287.1	28.8	0	350	96	50.9
SEED CONSULTANTS	SC 1093AM	230.7	25.7	0	329	95	312.6	25.8	0	336	98	271.7	25.7	0	332	97	52.4
SEED CONSULTANTS	SC 1094Q	242.1	23.5	0	332	96	319.2	24.3	0	338	97	280.6	23.9	0	335	97	53.6
SEED CONSULTANTS	SC 1112AM	225.0	23.7	0	339	98	298.0	25.3	0	336	99	261.5	24.5	0	338	98	52.4
SEED GENETICS DIRECT	AGI 4111PWE	232.4	24.7	0	361	98	300.0	25.2	0	360	98	266.2	25.0	0	361	98	51.6
SEED GENETICS DIRECT	Direct 0110-3110	215.3	24.0	0	381	99	282.2	25.7	0	378	98	248.7	24.9	0	379	98	51.8
SEED GENETICS DIRECT	Direct 2109-D	227.7	26.0	0	355	95	290.8	25.7	0	361	98	259.3	25.8	0	358	97	52.5
SEED GENETICS DIRECT	Direct 2111-AA	242.0	25.7	0	338	93	301.3	26.2	0	342	93	271.6	26.0	0	340	93	52.2
SEED GENETICS DIRECT	Direct 2112-AA	246.3	26.7	0	364	95	279.1	27.2	0	363	94	262.7	27.0	0	363	94	52.7
SEED GENETICS DIRECT	Direct 2113-3110	216.9	29.1	0	343	97	280.7	25.6	0	345	98	248.8	27.3	0	344	97	53.0
SEED GENETICS DIRECT	Direct 3109	246.6	24.7	0	342	94	303.9	23.9	0	342	92	275.2	24.3	0	342	93	54.0
SEED GENETICS DIRECT	Direct 3111-D	265.4	28.7	0	346	94	303.2	27.7	0	345	94	284.3	28.2	0	345	94	51.4
SEED GENETICS DIRECT	Direct 4109-AA	228.7	25.1	0	355	94	284.6	26.9	1	359	94	256.6	26.0	1	357	94	50.7
SEED GENETICS DIRECT	Direct 4112-AA	220.4	28.7	0	361	97	291.8	27.4	0	361	98	256.1	28.1	0	361	97	51.6
SHUR GROW	SG110EXP	235.7	25.1	0	324	98	303.5	24.8	0	310	92	269.6	25.0	0	317	95	51.7
SHUR GROW	SG112EXP	266.2	26.8	0	339	99	306.5	28.3	0	325	97	286.4	27.6	0	332	98	51.3
SHUR GROW	SG6914	238.7	25.0	0	323	97	283.8	25.2	0	321	95	261.2	25.1	0	322	96	53.1
SHUR GROW	SG6933	248.8	23.8	0	338	98	314.2	26.1	0	336	97	281.5	25.0	0	337	97	53.7
SHUR GROW	SG7054	236.9	26.0	0	328	95	288.1	26.8	0	339	97	262.5	26.4	0	334	96	50.7
SHUR GROW	SG7124	246.9	24.7	0	318	98	290.4	25.3	0	324	98	268.7	25.0	0	321	98	51.9
SHUR GROW	SG7153	225.6	23.3	0	327	98	288.2	26.1	1	315	94	256.9	24.7	0	321	96	53.6
SHUR GROW	SG7233	255.7															

TABLE 8. Two year hybrid performance in NORTH CENTRAL AND NORTHEASTERN Ohio, 2022-2023.

Brand	Hybrid	Wooster					Columbiana					Summary					
		Yield	Harv. Mst.	Stk. Ldg.	Final Std.	Emg.	Yield	Harv. Mst.	Stk. Ldg.	Final Std.	Emg.	Yield	Harv. Mst.	Stk. Ldg.	Final Std.	Emg.	TW
		Bu/A	----%----		100/A	--%--	Bu/A	----%----		100/A	--%--	Bu/A	----%----		100/A	--%--	Lbs.
BA GENETICS	BA 20-13 DGVT2P	245.3	24.5	0	363	97	273.4	23.8	0	352	95	259.4	24.1	0	358	96	52.1
BA GENETICS	BA 23-09 VT2P	248.3	25.2	0	343	92	255.1	24.2	1	340	93	251.7	24.7	1	342	93	53.5
BA GENETICS	BA 23-14 VT2P	254.6	25.8	0	355	95	266.9	25.7	2	357	96	260.8	25.7	1	356	96	53.1
CHANNEL	207-87VT2PRIB	251.4	21.6	0	319	94	298.1	24.8	0	335	96	274.8	23.2	0	327	95	53.3
CHANNEL	214-78DGVT2PRIB	240.6	24.6	0	326	96	293.3	24.7	0	342	97	266.9	24.6	0	334	96	53.4
DEKALB	DKC107-33RIB	240.6	22.9	1	331	96	291.3	27.2	0	343	97	266.0	25.1	0	337	96	52.6
DEKALB	DKC115-33RIB	245.9	24.4	0	338	98	283.0	23.4	0	349	97	264.5	23.9	0	344	97	53.7
DEKALB	DKC53-27RIB	243.8	20.8	1	334	97	276.2	21.6	0	335	95	260.0	21.2	1	335	96	53.6
DEKALB	DKC56-65RIB	256.9	23.1	0	364	97	292.3	24.7	0	367	97	274.6	23.9	0	366	97	52.3
DEKALB	DKC59-82RIB	249.1	23.7	0	358	95	308.1	22.1	0	375	98	278.6	22.9	0	366	97	52.6
DEKALB	DKC62-70RIB	230.8	24.2	0	341	95	286.8	25.3	0	355	97	258.8	24.7	0	348	96	53.9
DEKALB	DKC63-91RIB	243.5	24.4	0	357	96	296.5	23.9	0	361	96	270.0	24.1	0	359	96	52.1
DYNA-GRO	D45TC55RIB	259.9	22.3	0	335	97	298.8	24.5	0	341	97	279.3	23.4	0	338	97	52.0
EBBERTS	1449C	254.6	24.5	0	325	93	275.5	22.9	0	305	86	265.0	23.7	0	315	89	54.4
EBBERTS	6220VT2P	253.8	24.8	0	348	94	288.9	24.2	2	365	97	271.4	24.5	1	357	96	53.7
EBBERTS	7000TR	238.7	19.6	0	361	94	286.5	19.5	0	383	98	262.6	19.5	0	372	96	54.6
EBBERTS	7209TR RIB	265.3	23.1	0	330	97	296.3	22.8	0	334	96	280.8	23.0	0	332	96	52.7
FS INVISION	FS 5525VDG RIB	250.6	20.8	0	323	89	295.2	23.6	1	355	94	272.9	22.2	1	339	92	53.1
FS INVISION	FS 5829V RIB	251.9	24.2	1	339	94	288.2	26.1	1	361	97	270.0	25.2	1	350	95	51.3
FS INVISION	FS 6017V RIB	261.9	24.2	0	343	94	300.6	22.5	0	358	96	281.3	23.4	0	351	95	52.4
FS INVISION	FS 6225L1 EZR	245.6	24.9	0	350	96	287.6	22.9	0	362	97	266.6	23.9	0	356	97	53.2
FS INVISION	FS 6306T RIB	253.8	23.9	0	342	95	302.5	22.5	1	352	94	278.1	23.2	1	347	94	54.3
GOLDEN HARVEST	G10L16-DV	235.6	24.9	0	356	99	284.9	23.5	0	367	98	260.2	24.2	0	362	98	52.4
GOLDEN HARVEST	G11V76-AA	240.6	25.3	0	352	97	285.6	24.0	0	368	98	263.1	24.6	0	360	97	52.7
GOLDEN HARVEST	G12S75-D	272.5	27.9	0	356	97	297.6	25.9	1	356	97	285.0	26.9	0	356	97	51.6
NK	NK1082-DV	238.6	24.8	0	333	98	277.7	23.9	1	339	99	258.2	24.4	0	336	98	52.2
NK	NK1239-D	263.8	28.8	0	344	97	283.8	26.2	1	348	97	273.8	27.5	0	346	97	51.4
SEED CONSULTANTS	SC 1042Q	258.7	22.4	0	328	96	290.2	25.5	0	330	97	274.4	23.9	0	329	97	53.1
SEED CONSULTANTS	SC 1093AM	241.8	26.1	0	320	96	283.5	24.6	0	330	98	262.6	25.3	0	325	97	51.7
SEED CONSULTANTS	SC 1112AM	240.0	23.8	0	330	99	291.2	23.6	0	333	99	265.6	23.7	0	332	99	52.3
SEED GENETICS DIRECT	Direct 0101-DV	228.6	21.8	0	354	95	274.9	22.5	0	369	98	251.8	22.2	0	362	97	54.9
SEED GENETICS DIRECT	Direct 0110-3110	227.9	24.1	0	367	98	266.5	23.1	0	374	97	247.2	23.6	0	370	98	52.4
SEED GENETICS DIRECT	Direct 2107-V	230.7	22.6	0	346	94	279.3	24.5	0	363	97	255.0	23.6	0	354	96	51.8
SEED GENETICS DIRECT	Direct 2109-D	228.6	25.1	0	349	95	270.9	23.1	0	365	97	249.7	24.1	0	357	96	53.5
SEED GENETICS DIRECT	Direct 2111-AA	252.6	25.6	0	346	95	287.4	23.5	1	358	96	270.0	24.5	0	352	95	52.8
SEED GENETICS DIRECT	Direct 3111-D	262.3	28.5	0	352	96	296.8	25.3	0	359	97	279.6	26.9	0	356	96	51.8
SEED GENETICS DIRECT	Direct 9107-3010	237.6	21.5	0	343	94	268.0	23.5	8	364	98	252.8	22.5	4	354	96	54.7
SEEDWAY	SW 0030VT	245.7	20.0	0	319	96	286.5	21.5	0	327	95	266.1	20.8	0	323	96	54.4
SEEDWAY	SW 9726TR	248.1	19.2	0	306	95	281.3	19.3	0	318	96	264.7	19.3	0	312	95	54.5
SHUR GROW	SG6633	273.5	23.0	0	314	94	301.0	25.7	3	332	97	287.2	24.3	2	323	96	53.9
SHUR GROW	SG6933	255.1	24.9	0	338	98	270.4	24.4	1	346	98	262.7	24.6	1	342	98	53.6
VIKING / BLUE RIVER	46-02	246.8	19.9	0	320	93	259.5	21.1	0	291	83	253.2	20.5	0	306	88	55.1
VIKING / BLUE RIVER	48-08	263.2	23.8	1	328	96	282.4	23.8	0	310	88	272.8	23.8	0	319	92	51.6
VIKING / BLUE RIVER	84-04	251.7	20.8	0	320	94	277.1	20.9	0	309	90	264.4	20.9	0	314	92	55.3
VIKING / BLUE RIVER	85-09	257.3	24.2	1	330	98	266.6	23.1	0	293	84	262.0	23.6	0	312	91	54.5
High		273.5	28.8	1	367	99	308.1	27.2	8	383	99	287.2	27.5	4	372	99	55.3
Average		248.6	23.7	0	340	96	284.5	23.7	1	346	96	266.6	23.7	0	343	96	53.1
Low		227.9	19.2	0	306	89	255.1	19.3	0	291	83	247.2	19.3	0	306	88	51.3

TABLE 9. Three year hybrid performance in NORTH CENTRAL AND NORTHEASTERN Ohio, 2021-2023.

Brand	Hybrid	Wooster					Columbiana					Summary					
		Yield	Harv. Mst.	Stk. Ldg.	Final Std.	Emg.	Yield	Harv. Mst.	Stk. Ldg.	Final Std.	Emg.	Yield	Harv. Mst.	Stk. Ldg.	Final Std.	Emg.	TW
		Bu/A	----%----		100/A	--%--	Bu/A	----%----		100/A	--%--	Bu/A	----%----		100/A	--%--	Lbs.
BA GENETICS	BA 20-13 DGVT2P	249.9	22.4	0	350	94	285.9	23.7	0	349	95	267.9	23.0	0	350	95	53.5
CHANNEL	207-87VT2PRIB	254.7	20.2	1	316	94	303.3	23.8	0	335	97	279.0	22.0	0	325	95	54.0
CHANNEL	214-78DGVT2PRIB	248.3	22.6	0	322	94	300.0	24.3	0	339	98	274.2	23.5	0	331	96	54.3
DEKALB	DKC53-27RIB	244.2	19.4	2	327	95	275.6	21.1	0	336	96	259.9	20.3	1	331	96	54.3
DEKALB	DKC56-65RIB	258.0	21.3	0	347	96	290.4	23.7	0	357	97	274.2	22.5	0	352	96	53.1
DEKALB	DKC59-82RIB	253.4	21.9	0	342	93	308.1	22.0	0	358	97	280.7	21.9	0	350	95	53.6
DEKALB	DKC63-91RIB	252.3	22.2	0	343	95	297.5	23.5	0	349	96	274.9	22.8	0	346	96	53.2
EBBERTS	7209TR RIB	268.1	21.3	0	323	94	302.1	22.5	0	334	96	285.1	21.9	0	328	95	53.7
GOLDEN HARVEST	G10L16-DV	243.4	22.8	0	341	96	283.8	23.4	0	351	98	263.6	23.1	0	346	97	53.4
GOLDEN HARVEST	G12S75-D	272.3	24.9	0	348	96	308.9	25.6	0	352	98	290.6	25.2	0	350	97	52.7
NK	NK1082-DV	246.2	22.8	0	321	95	278.9	23.9	0	330	98	262.6	23.3	0	325	97	53.0
SEED CONSULTANTS	SC 1042Q	263.9	20.7	0	329	96	292.8	23.8	0	325	97	278.4	22.2	0	327	97	53.7
High		272.3	24.9	2	350	96	308.9	25.6	0	358	98	290.6	25.2	1	352	97	54.3
Average		254.6	21.9	0	334	95	293.9	23.4	0	343	97	274.3	22.6	0	338	96	53.5
Low		243.4	19.4	0	316	93	275.6	21.1	0	325	95	259.9	20.3	0	325	95	52.7

TABLE 10. Combined regional summary of hybrid performance, 2023.

Brand	Hybrid	Western Ohio (7 Sites)						Statewide All Regions (9 Sites)					
		Harv.		Stk.	Final		Test	Harv.		Stk.	Final		Test
		Yield	Mst.	Ldg.	Std.	Emg.	Wt.	Yield	Mst.	Ldg.	Std.	Emg.	Wt.
Bu/A	---	%----	100/A	--%	--	Lbs.	Bu/A	---	%----	100/A	--%	--	Lbs.
AXIS SEED	59A25	292.8	19.9	0	356	98	55.6	289.8	21.3	0	357	98	54.5
AXIS SEED	59D20	297.5	20.2	0	350	96	55.1	289.3	21.5	0	351	97	54.2
AXIS SEED	61A66	281.8	20.3	0	339	93	54.5	277.4	21.8	0	335	91	53.6
AXIS SEED	63H27	273.9	21.5	0	357	98	54.3	272.5	22.8	0	358	98	53.6
AXIS SEED	63M73	287.1	19.9	0	340	93	56.4	281.6	21.6	0	337	92	55.3
AXIS SEED	63W23	288.7	22.2	0	362	98	52.9						
AXIS SEED	64W69	272.1	22.0	0	359	98	52.3	262.7	23.9	3	358	97	51.7
BA GENETICS	BA 20-13 DGV2P	272.2	21.1	0	340	95	54.7	270.4	22.5	0	342	96	53.8
BA GENETICS	BA 22-05 VT2P	253.1	17.7	0	332	93	58.5	254.9	18.8	0	330	93	57.5
BA GENETICS	BA 23-09 VT2P	281.0	21.0	0	347	97	55.6	275.9	22.3	0	345	97	54.9
BA GENETICS	BA 23-14 VT2P	283.4	22.1	0	340	95	55.1	275.4	23.6	0	337	94	54.5
BA GENETICS	BA 24-09C	277.5	20.1	0	337	95	57.5	280.1	21.4	0	336	95	56.7
BA GENETICS	BA 25-12 VT2P	288.7	20.2	0	331	93	57.0	290.2	21.9	0	333	94	55.8
BA GENETICS	BA 25-16 VT2P	280.1	21.7	0	357	98	55.3	278.6	23.2	0	357	98	54.6
CHANNEL	207-87VT2PRIB	278.0	18.9	0	328	96	56.4	275.3	20.1	0	325	95	55.4
CHANNEL	211-11VT2PRIB	287.0	20.0	0	337	98	56.4	283.2	21.6	0	337	98	55.4
CHANNEL	214-78DGV2PRIB	291.9	20.8	0	336	98	56.1	282.2	22.3	0	333	97	55.2
DEKALB	DKC105-35RIB	277.8	18.2	0	341	97	55.0	282.2	19.4	0	341	97	54.2
DEKALB	DKC107-33RIB	275.5	20.4	0	339	97	54.8	272.9	21.4	0	341	97	54.4
DEKALB	DKC111-35RIB	285.9	19.7	0	346	98	57.5	278.1	20.9	0	346	98	56.5
DEKALB	DKC115-33RIB	279.4	20.6	0	344	98	56.3	273.4	22.1	0	343	98	55.2
DEKALB	DKC56-26RIB	298.0	19.2	0	343	97	55.2	291.5	20.6	1	341	97	54.0
DEKALB	DKC56-65RIB	273.7	19.6	0	364	98	55.8	274.6	21.0	0	362	97	54.8
DEKALB	DKC57-45RIB	277.2	19.9	0	341	98	54.5	276.6	21.6	0	340	97	53.3
DEKALB	DKC59-82RIB	279.6	19.9	0	367	98	55.0	279.7	21.4	0	365	97	54.0
DEKALB	DKC62-70RIB	273.3	20.1	0	346	98	57.1	264.1	21.8	0	344	98	56.1
DEKALB	DKC63-91RIB	289.1	20.5	0	362	96	54.7	281.1	22.1	0	363	96	53.7
DEKALB	DKC64-22RIB	287.8	20.0	0	355	94	58.5	278.2	21.4	0	357	95	57.4
DEKALB	DKC66-06RIB	296.8	22.4	0	338	96	55.2	296.7	24.1	0	340	96	54.5
DEKALB	DKC68-35RIB	292.8	22.0	0	340	97	56.6	287.7	23.6	0	342	98	55.7
DYNA-GRO	D45TC55RIB	277.5	19.1	0	343	97	54.9	279.6	20.4	0	341	97	53.9
DYNA-GRO	D53VC54RIB	271.3	21.9	0	325	97	55.4	271.9	23.7	0	324	97	54.5
EBBERTS	1449C	273.9	20.4	0	333	95	57.3	274.5	21.6	0	328	94	56.4
EBBERTS	1660C	296.5	20.0	0	338	96	55.5	296.1	21.2	0	335	96	54.8
EBBERTS	6220VT2P	276.5	20.9	0	333	95	55.4	275.6	22.3	0	332	95	54.8
EBBERTS	6444VT2P	285.1	21.7	0	361	97	55.3						
EBBERTS	6883DGV2P RIB	286.8	20.8	0	369	98	54.9						
EBBERTS	7113PC	286.0	22.8	0	337	97	53.4						
EBBERTS	7188PC	284.7	20.8	0	339	97	55.5	284.3	22.1	0	336	97	54.7
EBBERTS	7209TR RIB	289.3	19.9	0	330	94	54.9	286.5	21.3	0	330	95	54.0
EBBERTS	9779SSX	285.3	20.4	0	366	97	55.9	281.8	21.8	0	363	97	55.1
FS INVISION	FS 5829V RIB	274.5	20.2	0	342	94	53.4	272.5	21.8	0	339	93	52.7
FS INVISION	FS 5835V RIB	280.9	20.4	0	349	96	55.9	279.0	21.8	0	347	95	55.2
FS INVISION	FS 6017V RIB	297.2	20.3	0	342	93	54.8	293.2	21.9	0	342	93	53.6
FS INVISION	FS 6133VDG RIB	287.3	22.8	0	360	97	52.4	287.6	24.2	0	361	96	52.2
FS INVISION	FS 6137PC RIB	284.7	20.7	0	350	96	54.4	275.7	22.3	0	350	96	53.5
FS INVISION	FS 6225L1 EZR	286.9	21.5	0	361	98	54.7	282.0	23.0	0	359	98	53.9
FS INVISION	FS 6306T RIB	286.9	20.0	0	355	96	56.5	283.3	21.6	0	352	96	55.4
GOLDEN HARVEST	G10B61-AA	274.7	21.1	0	350	96	53.9	270.6	22.8	0	351	97	53.3
GOLDEN HARVEST	G10L16-DV	271.6	22.0	0	351	96	53.6	265.5	23.4	0	354	97	52.7
GOLDEN HARVEST	G11V76-AA	283.0	21.8	0	363	98	54.6	276.4	23.3	0	361	98	53.8
NK	NK1040-AA	275.2	21.4	0	334	97	53.8	272.8	23.1	0	332	97	53.2
NK	NK1082-DV	275.0	22.0	0	330	96	53.5	265.6	23.4	0	331	97	52.8
PC SEED	PC 5514	275.9	22.4	0	364	98	54.4						
PC SEED	PC 8408	289.7	21.2	0	346	93	55.2						
SEED CONSULTANTS	SC 1084AM	292.2	20.2	0	334	97	54.6	291.2	21.5	0	335	97	53.8
SEED CONSULTANTS	SC 1093AM	287.7	21.5	0	334	97	54.6	282.4	22.9	0	334	97	53.9
SEED CONSULTANTS	SC 1094Q	294.9	20.4	0	335	96	55.6	290.1	21.6	0	335	97	54.9
SEED CONSULTANTS	SC 1112AM	280.8	20.2	0	334	96	55.6	274.4	21.6	0	335	97	54.5
SEED GENETICS DIRECT	AGI 4111PWE	281.2	20.6	0	355	97	54.3	276.2	22.0	0	357	97	53.4
SEED GENETICS DIRECT	Direct 0110-3110	268.6	21.3	0	377	98	54.2	262.0	22.5	0	378	98	53.4
SEED GENETICS DIRECT	Direct 2109-D	262.2	21.2	0	352	96	55.4	261.2	22.7	0	354	96	54.4
SEED GENETICS DIRECT	Direct 2111-AA	276.7	21.7	0	341	94	54.6	275.0	23.1	0	341	94	53.8
SEED GENETICS DIRECT	Direct 2112-AA	265.9	21.6	0	368	95	54.7	264.8	23.4	0	366	95	54.0
SEED GENETICS DIRECT	Direct 2113-3110	276.0	21.7	0	345	98	55.2	266.9	23.6	0	345	98	54.5
SEED GENETICS DIRECT	Direct 3109	273.0	20.6	0	344	93	57.2	273.8	21.8	0	343	93	56.1
SEED GENETICS DIRECT	Direct 3111-D	282.3	23.3	0	337	92	52.8	282.9	24.9	0	340	93	52.3
SEED GENETICS DIRECT	Direct 4109-AA	275.9	20.6	0	367	96	53.5	269.4	22.4	0	364	95	52.5
SEED GENETICS DIRECT	Direct 4112-AA	282.0	21.7	0	362	97	54.2	273.3	23.8	0	362	97	53.3
SHUR GROW	SG110EXP	291.2	19.8	0	334	98	55.1	284.0	21.5	0	328	97	54.0
SHUR GROW	SG112EXP	284.2	22.9	0	346	98	53.2	285.0	24.4	0	341	98	52.6
SHUR GROW	SG6534	269.8	18.2	0	343	97	56.9	269.9	19.3	0	339	96	56.0
SHUR GROW	SG6633	277.5	19.3	0	330	94	56.7	281.1	20.9	1	328	95	55.9
SHUR GROW	SG6744	271.4	19.6	0	345	97	55.0	267.1	21.5	0	337	96	54.1
SHUR GROW	SG6914	259.1	21.0	0	335	96	55.4	259.8	22.4	0	331	96	54.6
SHUR GROW	SG6933	275.2	20.9	0	344	96	55.7	277.3	22.2	0	342	97	55.0
SHUR GROW	SG7054	263.1	20.8	0	341	96	53.3	262.9	22.7	0	339	96	52.4
SHUR GROW	SG7124	275.3	20.5	0	329	97	54.5	273.1	22.0	0	326	97	53.6
SHUR GROW	SG7153	278.5	21.1	0	338	97	55.3	271.3	22.3	0	332	96	54.7
SHUR GROW	SG7233	283.3	22.5	0	354	96	52.2	284.1	23.9	0	351	96	52.0
SHUR GROW	SG7244	284.8	22.6	0	331	96	53.1	285.7	24.4	0	329	96	52.5
SHUR GROW	SG7323	275.4	21.9	0	325	99	54.5	273.6	23.6	0	324	99	53.9
STEWART SEEDS	13DT634	273.7	21.5	0	362	97	53.3						
STEWART SEEDS	15DP519	292.0	21.5	0	360	98	55.5						
STEWART SEEDS	15DT614	287.0	20.8	0	359	98	55.6						
High		298.0	23.3	0	377	99	58.5	296.7	24.9	3	378	99	57.5
Average		280.8	20.8	0	346	96	55.1	277.2	22.2	0	343	96	54.3
Low		253.1	17.7	0	325	92	52.2	254.9	18.8	0	324	91	51.7
LSD .10		9.4	0.6	0	7	1	0.6	9.1	0.6	1	7	1	0.5

Brand	Seed Source	Hybrid No.	---Table No.---	Technology Traits*	Fungicide Seed Treatment	Insecticide/Nematicide Seed Treatment/Rate
GOLDEN HARVEST	GOLDEN HARVEST 2001 BUTTERFIELD RD. DOWNERS GROVE, IL 60515 800-944-7333 goldenharvestseeds.com	G03B19-AA	4E, 7E	GT,CB,LL	Cruiser Maxx 500 / Vayantis	Cruiser 500 / Abamectin
		G10B61-AA	1E, 4L, 7L, 10	GT,CB,LL	Cruiser Maxx 500 / Vayantis	Cruiser 500 / Abamectin
		G10L16-DV	1E, 4L, 7L, 10	GT,CB,RW,LL,VIP,DT	Avicta Complete Corn 1250 / Vayantis	Cruiser 1250 / Abamectin
		G11V76-AA	1E, 4L, 7L, 10	GT,CB,LL	Cruiser Maxx 500 / Vayantis	Cruiser 500 / Abamectin
		G12S75-D	4L, 7L	GT,CB,RW,LL,VIP	Avicta Complete Corn 1250 / Vayantis	Cruiser 1250 / Abamectin
		G13B17-AA	1L	GT,CB,LL	Cruiser Maxx 500 / Vayantis	Cruiser 500 / Abamectin
		G13D55-V	1L	GT,CB,LL,VIP	Cruiser Maxx 500 / Vayantis	Cruiser 500 / Abamectin
		G14B32-DV	1L	GT,CB,RW,LL,VIP,DT	Avicta Complete Corn 1250 / Vayantis	Cruiser 1250 / Abamectin
NK	NK SEEDS 2001 BUTTERFIELD RD. DOWNERS GROVE, IL 60515 937-414-3559 syngenta-us.com/corn/nk	NK0295-AA	4E, 7E	GT,CB,LL	Apron Max / Vibrance / Vayantis	Cruiser 500
		NK0835-AA	4E, 7E	GT,CB,LL	Apron Max / Vibrance / Vayantis	Cruiser 500
		NK0922-V	1E	GT,CB,LL,VIP	Apron Max / Vibrance / Vayantis	Cruiser 500
		NK1040-AA	1E, 4L, 7L, 10	GT,CB,LL	Apron Max / Vibrance / Vayantis	Cruiser 500
		NK1082-DV	1E, 4L, 7L, 10	GT,CB,RW,LL,VIP,DT	Apron Max / Vibrance / Vayantis	Cruiser 1250 / Avicta
		NK1188-AA	4L	GT,CB,LL	Apron Max / Vibrance / Vayantis	Cruiser 500
		NK1239-D	1L, 7L	GT,CB,RW,LL	Apron Max / Vibrance / Vayantis	Cruiser 1250 / Avicta
		NK1480-DV	1L	GT,CB,RW,LL,VIP,DT	Apron Max / Vibrance / Vayantis	Cruiser 1250 / Avicta
PC SEEDCO	NK SEEDS 2001 BUTTERFIELD RD. DOWNERS GROVE, IL 60515 937-414-3559 syngenta-us.com/corn/nk	PC 3305	4E	NON-GMO	Maxim Quattro / Vayantis	Poncho 250
		PC 4212	1L	NON-GMO	Maxim Quattro / Vayantis	Poncho 250
		PC 5514	1L, 4L, 10	NON-GMO	Maxim Quattro / Vayantis	Poncho 250
		PC 6313	1L	NON-GMO	Maxim Quattro / Vayantis	Poncho 250
		PC 8408	1E, 4E, 10	NON-GMO	Maxim Quattro / Vayantis	Poncho 250
SEED CONSULTANTS	SEED CONSULTANTS, INC. 648 MIAMI TRACE RD. SW WASHINGTON C. H., OH 43160 740-333-8644 seedconsultants.com	SC 1042Q	4E, 7E	RR,CB,RW,LL	LumiGen	
		SC 1054AM	4E, 7E	RR,CB,LL	LumiGen	
		SC 1084AM	1E, 4E, 7E, 10	RR,CB,LL	LumiGen	
		SC 1093AM	1E, 4L, 7L, 10	RR,CB,LL	LumiGen	
		SC 1094Q	1E, 4L, 7L, 10	RR,CB,RW,LL	LumiGen	
		SC 1112AM	1L, 4L, 7L, 10	RR,CB,LL	LumiGen	
		SC 1122Q	1E	RR,CB,RW,LL	LumiGen	
		SC 1134AM	1L	RR,CB,LL	LumiGen	
SEED GENETICS DIRECT	SEED GENETICS DIRECT 9983 JEFFERSON WEST LANCASTER JEFFERSON, OH 43128 740-505-0073, 740-505-1544 seedgeneticsdirect.com	AGI 3104PWE	4E, 7E	RR,CB, LL, Enlist	Maxim, Raxil, Allegiance, Dynasty	Gaicho 600
		AGI 3113PWE	1L	RR,CB, LL, Enlist	Maxim, Raxil, Allegiance, Dynasty	Gaicho 600
		AGI 3114PWE	1L	RR,CB, LL, Enlist	Maxim, Raxil, Allegiance, Dynasty	Gaicho 600
		AGI 4106PWE	4E, 7E	RR,CB, LL, Enlist	Maxim, Raxil, Allegiance, Dynasty	Gaicho 600
		AGI 4111PWE	1E, 4L, 7L, 10	RR,CB, LL, Enlist	Maxim, Raxil, Allegiance, Dynasty	Gaicho 600
		AGI 4114PWE	1L	RR,CB, LL, Enlist	Maxim, Raxil, Allegiance, Dynasty	Gaicho 600
		AGI 4115PWE	1L	RR,CB, LL, Enlist	Maxim, Raxil, Allegiance, Dynasty	Gaicho 600
		Direct 0101-DV	4E, 7E	GT,CB,RW,LL,VIP	Maxim, Raxil, Allegiance, Dynasty	Gaicho 600
		Direct 0110-3110	1E, 4L, 7L, 10	GT,CB,LL,VIP	Maxim, Raxil, Allegiance, Dynasty	Gaicho 600
		Direct 2107-V	4E, 7E	GT,CB,LL,VIP	Maxim, Raxil, Allegiance, Dynasty	Gaicho 600
		Direct 2109-D	1E, 4L, 7L, 10	GT,CB,RW,LL	Maxim, Raxil, Allegiance, Dynasty	Gaicho 600
		Direct 2111-AA	1E, 4L, 7L, 10	GT,CB,LL	Maxim, Raxil, Allegiance, Dynasty	Gaicho 600
		Direct 2112-AA	1L, 4L, 7L, 10	GT,CB,LL	Maxim, Raxil, Allegiance, Dynasty	Gaicho 600
		Direct 2113-3110	1L, 4L, 7L, 10	GT,CB,LL	Maxim, Raxil, Allegiance, Dynasty	Gaicho 600
		Direct 3109	1E, 4L, 7L, 10	NON-GMO	Maxim, Raxil, Allegiance, Dynasty	Gaicho 600
		Direct 3111-D	1E, 4L, 7L, 10	GT,CB,RW,LL	Maxim, Raxil, Allegiance, Dynasty	Gaicho 600
		Direct 4109-AA	1E, 4L, 7L, 10	GT,CB,LL	Maxim, Raxil, Allegiance, Dynasty	Gaicho 600
		Direct 4112-AA	1L, 4L, 7L, 10	GT,CB,LL	Maxim, Raxil, Allegiance, Dynasty	Gaicho 600
		Direct 8115-3110	1L	GT,CB,LL	Maxim, Raxil, Allegiance, Dynasty	Gaicho 600
		Direct 8116-3110	1L	GT,CB,LL	Maxim, Raxil, Allegiance, Dynasty	Gaicho 600
Direct 9107-3010	4E, 7E	GT,CB,LL	Maxim, Raxil, Allegiance, Dynasty	Gaicho 600		
SEEDWAY	SEEDWAY, LLC 1734 RAILROAD PLACE HALL, NY 14463 800-836-3710 seedway.com	SW 0030VT	7E	RR,CB		
		SW 9600SS	7E	RR,CB,RW,LL,CEW		
		SW 9726TR	7E	RR,CB,TRE,WBC		
		SW 9876SS	7E	RR,CB,RW,LL,CEW		
SHURGROW	HERITAGE COOPERATIVE 6239 St. Rt. 187 MECHANICSBURG, OH 43044 800-231-SEED heritagecooperative.com	SG110EXP	1E, 4L, 7L, 10	RR,CB,TRE,WBC		
		SG112EXP	1L, 4L, 7L, 10	GT,CB,RW,LL		
		SG6534	1E, 4E, 7E, 10	RR,CB, LL, Enlist		
		SG6633	1E, 4E, 7E, 10	RR,CB		
		SG6744	1E, 4E, 7E, 10	RR,CB, LL, Enlist		
		SG6914	1E, 4L, 7L, 10	GT,CB,RW,LL		
		SG6933	1E, 4L, 7L, 10	RR,CB		
		SG7054	1E, 4L, 7L, 10	GT,CB,LL		
		SG7124	1E, 4L, 7L, 10	RR,CB, LL, Enlist		
		SG7153	1E, 4L, 7L, 10	GT,CB,LL,VIP		
		SG7233	1L, 4L, 7L, 10	RR,CB,DT		
		SG7244	1L, 4L, 7L, 10	RR,CB, LL, Enlist		
SG7323	1L, 4L, 7L, 10	RR,CB, LL, Enlist				
STEWART SEEDS	STEWART SEEDS 306 N MAIN ST. MONTICELLO, IN 47960 800-365-SEED stewartseeds.com	13DT634	1L, 4L, 10	RR,CB,TRE,WBC	Acceleron	Poncho 500
		15DP519	1L, 4L, 10	RR,CB	Acceleron	Poncho 500
		15DT614	1L, 4L, 10	RR,CB,TRE,WBC	Acceleron	Poncho 500
VIKING BLUE RIVER	ALBERT LEA SEED HOUSE 1414 W. MAIN ST / PO BOX 127 ALBERT LEA, MN 56007 800-352-5247 alseed.com	46-02	4E, 7E	NON-GMO		Cruiser 250
		48-08	4E, 7E	NON-GMO		Cruiser 250
		84-04	4E, 7E	NON-GMO		Cruiser 250
		85-09	4L, 7L	NON-GMO		Cruiser 250

*CB, RW, CEW, WBC - Corn Borer, Rootworm, Corn Ear Worm, Western Bean Cutworm Resistance; VIP - Viptera; TRE - Trecepta

*RR, GT - Glyphosate Tolerant; LL - Liberty Link, Enlist - 2,4-D Choline; DT - Drought Tolerant; NON-GMO - No Transgenic Traits