

2019 OHIO CORN PERFORMANCE TEST

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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. 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 data 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 2019, companies were permitted to enter an unlimited number of hybrids. Ten sites were available for hybrid evaluation. Testing was available in three regions of Ohio (Southwestern/West Central/Central; Northwestern; North Central/Northeastern). 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 3G 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 fungicides were applied according to recommended cultural practices for obtaining optimum grain yields. Details concerning the establishment and management of each 2019 test are listed in footnotes below the tables.

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 percent 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 corn producers 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 (100/A) per acre.

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.

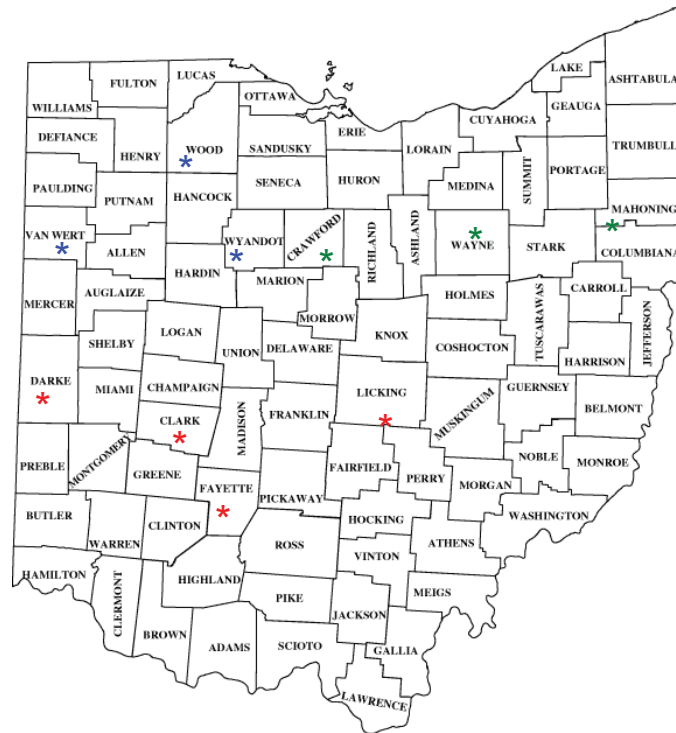
TEST WEIGHT (TW). Test weights were recorded in pounds per bushel on grain samples at field moisture. The results are an average of all sites in the regional tests.

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.

2019 GROWING CONDITIONS

The spring of 2019 was one the wettest on record and resulted in major planting delays throughout Ohio. According to the National Agricultural Statistics Service, only 33% of Ohio's corn was planted by June 2. Five of the 10 OCPT test sites were planted in June (with dates ranging from June 4 to June 22). Excessive rainfall continued into late June and early July and was followed by much drier and warmer weather from July to September, which created stressful conditions for crop growth in some regions. Warm, dry conditions during grain fill were most evident at the South Charleston, Greenville, and Washington CH test sites in the Southwestern/West Central/Central region, and, to a lesser extent, at Bucyrus and the

OHIO CORN PERFORMANCE 2019 TEST SITES



*Southwest / West Central Region *Northwest Region *North Central / Northeast Region
Wood – Corn Grain and Silage

Columbiana County sites in the North Central/Northeastern region. The Northwestern test sites, Van Wert, Hoytville, and Upper Sandusky, received adequate, timely rainfall throughout the growing season that was favorable for corn development. Foliar diseases (Northern Corn Leaf Blight and Gray Leaf Spot) and ear rots, including Gibberella and Diplodia, were observed at several OCPT locations but were generally present at low levels. Stalk rot (primarily Anthracnose) was present but stalk lodging was generally negligible and limited to a few hybrids.

RESULTS

Results of the 2019 testing program are presented in Tables 1 to 10. The seed source and table location for hybrids tested in 2019 are shown in Table 11. The transgenic herbicide and insect resistant events, and insecticide and fungicide seed treatments associated with each hybrid entry (information provided by seed companies) are indicated in Table 11. Hybrids that do not contain transgenic events are specified as "NON-GMO". Yields and other agronomic performance characteristics have been averaged across the individual tests and shown under the SUMMARY heading for each region. Hybrids are listed in alphabetical order by brand.

Despite late planting dates, and warmer and drier than normal conditions during grain fill, OCPT yields exceeded expectations. Averaged across hybrid entries in the early and full season tests, yields were 252 Bu/A in the Southwestern/West Central/Central region, 234 Bu/A in the Northwestern region, and 264 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 215 Bu/A at Hoytville to 282 Bu/A at Hebron. Performance data for the Columbiana site in the North Central/Northeastern region is not presented due to excess rainfall shortly after establishment and dry conditions during grainfill which resulted in inconsistent yields. As of publication date, Upper Sandusky in the Northwestern region was not harvested because of high grain moistures due to a late planting date. Results from Upper Sandusky will be available online shortly after harvest.

Confidence in test results increases with the number of years and the number of locations in which the hybrid was tested. Table 10 presents performance data for hybrids tested at six and eight locations in 2019 and Tables 2, 3, 5, 6, 8, and 9 provide multiple year performance data. Look for consistency in a hybrid's performance across a range of environmental conditions. Yield, standability, grain moisture, and other comparisons should be made between hybrids of similar maturity to determine those best adapted to your farm. Results of the crop performance trials for 2019 and previous years are available online at: <http://www.oardc.ohio-state.edu/corntrials>. Hybrids can be sorted by yield, brand, and other variables online.

Acknowledgments: We thank our farmer cooperators for their contributions to the 2019 corn hybrid testing program. We are grateful for the assistance provided by Joe Davlin, OSU-OARDC Western Agricultural Research Station, Ken Scaife and Mike Sword, OSU-OARDC Wooster, and Matt Davis, OSU-OARDC Northwest Agricultural Research Station. We thank CFAES Marketing and Communications for their assistance in preparing the test results for publication.

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TABLE 4E. Performance of hybrids in the early maturity trial. NORTHWESTERN Ohio, 2019.

Brand	Hybrid	Van Wert					Hoytville					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	BA19-05	258.2	23.4	2	341	96	215.6	23.9	0	329	93	236.9	23.6	1	335	94	55.7
BA GENETICS	BA19-07	254.6	22.9	1	346	96	219.6	22.5	1	320	90	237.1	22.7	1	333	93	54.9
CHANNEL	205-63VT2PRIB	245.7	20.3	5	358	98	215.2	19.9	1	351	96	230.4	20.1	3	354	97	53.7
CHANNEL	206-11VT2PRIB	265.5	22.3	11	356	97	232.4	22.7	0	352	96	248.9	22.5	5	354	97	53.5
CHANNEL	207-90VT2PRIB	264.0	23.5	2	341	94	216.8	24.5	1	283	78	240.4	24.0	2	312	86	53.4
DAIRYLAND	DS-4840 AM	251.6	23.1	1	318	98	221.8	24.5	1	314	97	236.7	23.8	1	316	97	51.4
DAIRYLAND	DS-7004 RA	260.2	22.9	6	312	97	200.2	21.5	1	283	87	230.2	22.2	4	297	92	51.4
DAIRYLAND	RPM-4329 AM	257.2	27.5	0	319	97	213.9	22.8	0	310	95	235.5	25.2	0	314	96	50.8
DEKALB	DKC50-09RIB	237.2	19.9	1	327	99	204.5	20.6	0	310	93	220.8	20.2	1	318	96	56.1
DEKALB	DKC54-40RIB	238.9	23.1	1	316	97	197.7	22.1	2	318	97	218.3	22.6	1	317	97	56.5
DEKALB	DKC54-74RIB	235.7	20.7	1	342	100	215.7	21.2	0	329	97	225.7	21.0	1	336	98	54.3
DEKALB	DKC55-53RIB	249.9	22.3	2	337	99	225.2	21.8	2	330	97	237.5	22.0	2	334	98	54.3
DEKALB	DKC55-85RIB	261.7	25.1	1	329	99	235.2	23.2	0	319	97	248.4	24.2	1	324	98	51.9
DEKALB	DKC57-99RIB	244.5	21.9	4	354	96	220.0	21.9	1	346	96	232.2	21.9	3	350	96	54.1
DEKALB	DKC58-35RIB	250.2	22.9	3	333	97	213.2	24.4	1	318	92	231.7	23.7	2	325	95	53.8
DYNA-GRO	D46VC62	257.9	23.2	1	342	93	223.0	23.0	0	329	89	240.4	23.1	1	336	91	52.6
DYNA-GRO	D47CC29	247.7	20.8	1	347	97	212.7	21.4	1	319	88	230.2	21.1	1	333	93	53.2
EBBERTS	6138VT2P RIB	251.5	24.3	1	350	94	221.4	25.4	0	334	91	236.5	24.8	1	342	92	52.4
EBBERTS	6416VT2P RIB	245.8	23.5	5	366	99	214.2	23.5	1	354	95	230.0	23.5	3	360	97	55.1
EBBERTS	9356SSX RIB	253.5	23.0	1	379	98	226.3	23.2	1	373	96	239.9	23.1	1	376	97	55.7
FS INVISION	FS 53ZV1 RIB	249.6	20.8	5	365	100	224.7	20.0	1	356	98	237.1	20.4	3	361	99	54.8
FS INVISION	FS 5594V RIB	263.8	23.0	10	341	94	220.4	23.4	0	318	88	242.1	23.2	5	329	91	55.6
FS INVISION	FS 55RL1 EZR	255.6	23.6	0	341	94	195.2	24.1	1	315	86	225.4	23.8	0	328	90	51.9
FS INVISION	FS 57ZV1 RIB	253.1	21.8	1	355	96	223.0	20.8	0	345	95	238.0	21.3	1	350	95	53.6
FS INVISION	FS 58RL1 EZR	245.5	24.9	2	356	100	195.9	25.1	0	358	99	220.7	25.0	1	357	99	50.7
GOLDEN HARVEST	G08M20-3010	252.3	23.1	0	334	98	207.0	24.1	0	328	97	229.6	23.6	0	331	98	53.7
GRO-MOR	GM 58V10EZ	251.5	23.3	4	334	99	202.9	24.6	0	323	94	227.2	24.0	2	328	97	52.8
LG SEEDS	LG 51C48VT2PRO	250.5	21.3	2	356	100	215.6	21.1	1	354	97	233.1	21.2	1	355	98	54.3
LG SEEDS	LG 5525VT2RIB	271.4	24.5	0	355	97	216.9	23.8	0	350	95	244.2	24.2	0	352	96	54.3
LG SEEDS	LG 58C77VT2RIB	245.7	23.6	3	368	98	209.7	22.1	2	332	89	227.7	22.8	2	350	93	54.1
LOCAL SEED	LC0488 SXXRIB	259.8	21.0	0	332	96	217.4	20.3	0	324	94	238.6	20.6	0	328	95	55.1
LOCAL SEED	LC0657 SXXRIB	249.9	25.6	1	342	94	207.0	20.6	1	333	91	228.4	23.1	1	338	92	54.5
LOCAL SEED	LC0877 VT2PRIB	256.1	22.8	0	323	94	206.7	22.9	0	296	87	231.4	22.9	0	309	91	51.7
LOCAL SEED	LCX07-90	246.2	22.2	2	334	100	205.8	23.2	3	330	96	226.0	22.7	3	332	98	52.1
RUPP	XR D01-90	246.9	20.5	3	345	99	212.2	20.7	0	324	93	229.5	20.6	1	334	96	57.3
RUPP	XR D03-07	242.4	20.2	0	324	93	228.2	20.3	1	337	94	235.3	20.2	1	330	93	54.7
RUPP	XR D06-53	249.4	23.6	3	335	96	214.6	23.3	0	313	90	232.0	23.4	2	324	93	55.8
RUPP	XR D07-72	252.7	21.9	0	327	96	213.6	21.9	0	316	92	233.1	21.9	0	321	94	54.2
SEED CONSULTANTS	EX SC 105YHR	258.6	21.7	0	308	95	209.8	24.0	0	287	88	234.2	22.8	0	297	91	52.7
SEED CONSULTANTS	EX SC 110YHR	260.4	26.7	0	294	92	206.6	25.9	0	286	87	233.5	26.3	0	290	90	54.7
SEED CONSULTANTS	SCS 1069YHR	248.4	22.2	0	316	99	213.5	24.9	0	293	91	231.0	23.5	0	305	95	51.9
SEED CONSULTANTS	SCS 1087YHR™	253.0	24.7	1	293	96	224.7	27.0	0	271	90	238.9	25.8	0	282	93	51.3
SEED CONSULTANTS	SCS 10HR43™	248.5	21.8	1	275	86	207.7	23.4	0	276	85	228.1	22.6	0	276	85	53.6
VIKING	O.18-06P	259.6	24.4	2	324	95	217.2	24.1	0	316	92	238.4	24.3	1	320	94	55.4
VIKING	O.46-02P	261.5	20.8	2	330	97	212.1	20.1	0	329	97	236.8	20.4	1	330	97	55.1
VIKING	O.48-08P	234.9	21.4	0	332	97	184.4	21.7	2	330	97	209.6	21.5	1	331	97	50.7
VIKING	O.51-04PGS	238.7	21.3	3	333	98	199.8	20.5	0	324	95	219.3	20.9	1	328	96	52.6
VIKING	O.55-02P	223.6	21.4	1	333	98	185.5	22.7	1	325	95	204.6	22.0	1	329	97	54.9
WELLMAN SEEDS	W 2807DP	247.6	22.4	0	341	90	218.5	21.3	0	330	87	233.0	21.8	0	336	89	53.9
WELLMAN SEEDS	W 2902	254.1	21.6	0	343	94	210.9	20.9	0	338	92	232.5	21.2	0	341	93	55.3
WELLMAN SEEDS	W 2903DP	253.9	20.6	1	350	95	210.1	21.2	0	337	92	232.0	20.9	0	343	94	54.8
WELLMAN SEEDS	W 2906	247.4	20.4	0	348	93	217.9	21.4	4	316	84	232.6	20.9	2	332	89	53.6
High		271.4	27.5	11	379	100	235.2	27.0	4	373	99	248.9	26.3	5	376	99	57.3
Average		251.2	22.6	2	337	96	213.1	22.6	1	324	92	232.2	22.6	1	330	94	53.8
Low		223.6	19.9	0	275	86	184.4	19.9	0	271	78	204.6	20.1	0	276	85	50.7
LSD .10		15.5	1.9	5	11	3	11.4	1.4	NS	13	4	11.7	1.6	NS	14	4	1.5

Soil Type	Blount Silt Loam	Hoytville Clay
Soil Test (pH,P,K)	6.3, 132, 384	6.5, 106, 336
Previous Crop	Soybeans	Soybeans
Planting /Harvest Dates	June 4 / Oct. 28, 2019	June 12 / Nov. 18, 2019
Tillage	Fall Strip Till	Stale Seedbed
Fertilizer (N,P,K)	210, 26, 0, 6S	210, 26, 0, 6S
Fungicide	Yes	No
Cooperator	Nick Williams Farms	Matt Davis, OARDC
County	Van Wert	Wood

TABLE 5. Two year hybrid performance in NORTHWESTERN Ohio, 2018-2019.

Brand	Hybrid	Van Wert					Hoytville					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	BA19-05	255.4	20.2	1	348	97	223.2	20.7	4	331	92	239.3	20.5	3	340	95	58.2
BA GENETICS	BA19-07	253.6	19.6	0	347	97	219.5	19.8	3	331	92	236.5	19.7	2	339	94	57.0
BA GENETICS	BA19-10	258.2	20.8	1	348	97	224.0	21.7	3	333	95	241.1	21.3	2	341	96	54.8
BA GENETICS	BA19-12	262.3	22.3	6	340	96	228.9	21.5	1	330	93	245.6	21.9	3	335	94	55.1
CHANNEL	206-11VT2PRIB	262.4	19.5	6	359	98	235.3	19.5	0	348	95	248.9	19.5	3	353	97	55.1
CHANNEL	209-15VT2PRIB	270.4	21.7	2	359	98	222.7	21.7	2	337	96	246.5	21.7	2	348	97	54.5
CHANNEL	210-79DGV2PRIB	264.9	22.6	3	350	97	229.4	22.2	3	342	95	247.1	22.4	3	346	96	56.0
CHANNEL	212-20VT2PRIB	246.7	22.4	1	358	98	218.1	21.8	2	329	91	232.4	22.1	1	343	95	55.2
CHANNEL	213-19VT2PRIB	255.9	23.9	0	364	99	220.4	23.4	1	344	93	238.2	23.7	1	354	96	55.3
DEKALB	DKC62-20RIB	260.3	21.8	7	331	98	222.8	22.6	6	318	95	241.5	22.2	6	325	97	54.8
DEKALB	DKC64-87RIB	269.7	23.3	1	340	99	233.2	23.0	2	336	97	251.5	23.1	2	338	98	55.4
DYNA-GRO	D46VC62	257.9	20.0	1	343	93	229.3	20.2	3	346	91	243.6	20.1	2	344	92	55.0
EBBERTS	6121VT2P RIB	252.9	22.5	2	364	97	210.7	22.6	2	334	95	231.8	22.5	2	349	96	54.5
EBBERTS	6138VT2P RIB	255.2	20.5	2	363	96	229.6	21.6	2	347	93	242.4	21.1	2	355	95	55.0
EBBERTS	6552VT2P RIB	254.8	23.1	2	365	97	228.8	20.9	3	334	94	241.8	22.0	2	349	96	55.2
EBBERTS	6899VT2P RIB	257.6	23.4	3	361	97	228.0	22.5	13	341	95	242.8	22.9	8	351	96	56.4
EBBERTS	9356SSX RIB	253.8	20.1	1	375	97	233.1	20.3	6	364	95	243.5	20.2	3	369	96	58.0
FS INVISION	FS 55RL1 EZR	247.6	20.0	0	350	96	203.4	20.6	3	316	86	225.5	20.3	1	333	91	54.6
FS INVISION	FS 59VL1 EZR	241.3	20.1	1	356	98	223.4	20.9	2	322	90	232.3	20.5	1	339	94	52.6
FS INVISION	FS 63ZV1 RIB	260.6	25.4	13	359	99	215.6	24.0	5	327	93	238.1	24.7	9	343	96	57.1
GOLDEN HARVEST	G08M20-3010	250.8	20.1	1	326	96	209.9	21.1	1	314	93	230.3	20.6	1	320	94	56.0
GOLDEN HARVEST	G09A86-3000GT	254.2	21.5	1	342	98	213.5	22.5	2	321	90	233.8	22.0	2	332	94	52.7
GRO-MOR	GM 60V86EZ	243.8	20.8	1	328	93	227.6	20.7	1	310	89	235.7	20.7	1	319	91	53.0
LG SEEDS	LG 5525VT2RIB	262.9	20.7	0	363	97	220.8	20.7	1	354	94	241.8	20.7	0	359	95	56.6
LG SEEDS	LG 5590VT2RIB	259.2	21.7	0	364	99	235.6	21.5	1	334	97	247.4	21.6	1	349	98	54.6
LG SEEDS	LG 5643VT2RIB	260.9	24.8	4	378	98	233.8	24.3	2	344	94	247.4	24.6	3	361	96	54.9
LG SEEDS	LG 5650VT2RIB	259.8	23.1	3	378	98	219.9	22.8	7	344	94	239.8	22.9	5	361	96	56.9
RUPP	XR D07-72	251.0	19.0	0	318	94	216.0	19.5	3	306	91	233.5	19.2	1	312	92	56.4
RUPP	XR D10-16	253.3	22.8	3	330	97	227.8	20.7	4	330	96	240.6	21.8	3	330	96	56.3
RUPP	XR D12-49	258.5	22.8	4	338	100	221.2	23.5	5	335	95	239.9	23.1	5	336	97	55.0
SEED CONSULTANTS	SCS 1087YHR™	253.1	20.7	2	303	97	229.7	22.1	1	280	91	241.4	21.4	2	291	94	54.0
SEED CONSULTANTS	SCS 10HR43™	249.4	19.4	1	296	93	221.5	20.6	0	293	91	235.4	20.0	1	294	92	56.3
STEWART SEEDS	8E623RIB	261.8	23.1	1	361	99	238.9	23.8	0	345	96	250.3	23.5	1	353	97	54.5
WELLMAN SEEDS	W 2807DP	243.5	19.4	0	323	91	221.1	19.0	1	316	88	232.3	19.2	0	319	89	56.1
WELLMAN SEEDS	W 2903DP	245.3	18.5	0	339	96	220.0	19.3	1	324	92	232.7	18.9	1	332	94	56.8
WELLMAN SEEDS	W 2911DP	252.5	22.9	4	343	96	224.5	21.3	3	326	92	238.5	22.1	3	334	94	55.8
High		270.4	25.4	13	378	100	238.9	24.3	13	364	97	251.5	24.7	9	369	98	58.2
Average		255.6	21.5	2	347	97	223.9	21.5	3	330	93	239.8	21.5	2	339	95	55.4
Low		241.3	18.5	0	296	91	203.4	19.0	0	280	86	225.5	18.9	0	291	89	52.6

TABLE 6. Three year hybrid performance in NORTHWESTERN Ohio, 2017-2019.

Brand	Hybrid	Van Wert					Hoytville					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.
CHANNEL	209-15VT2PRIB	271.0	20.5	2	361	98	219.7	21.1	1	346	96	245.3	20.8	2	353	97	55.2
DEKALB	DKC62-20RIB	259.3	20.8	9	336	97	209.5	21.7	4	334	96	234.4	21.2	7	335	96	55.2
DEKALB	DKC64-87RIB	264.5	22.0	4	339	96	219.2	22.7	2	346	97	241.8	22.3	3	342	96	55.6
EBBERTS	6121VT2P RIB	260.7	21.3	4	360	95	208.8	22.2	1	344	95	234.7	21.8	3	352	95	54.6
FS INVISION	FS 59VL1 EZR	250.2	19.4	2	346	96	216.9	20.9	1	326	92	233.5	20.2	2	336	94	52.5
GRO-MOR	GM 60V86EZ	250.3	19.9	2	324	92	218.0	20.8	1	314	89	234.2	20.3	2	319	91	52.8
LG SEEDS	LG 5650VT2RIB	257.7	22.1	6	367	99	214.1	22.7	5	348	94	235.9	22.4	5	358	97	57.5
RUPP	XR D07-72	252.0	18.5	1	320	93	215.1	19.3	2	314	92	233.5	18.9	1	317	93	57.1
RUPP	XR D12-49	263.5	21.7	5	335	96	212.7	22.7	4	337	95	238.1	22.2	4	336	96	55.0
SEED CONSULTANTS	SCS 1087YHR™	260.9	19.8	2	306	97	223.0	21.2	1	294	92	241.9	20.5	1	300	94	54.7
SEED CONSULTANTS	SCS 10HR43™	248.2	19.4	6	297	89	222.3	20.6	0	304	93	235.2	20.0	3	301	91	56.8
STEWART SEEDS	8E623RIB	260.0	21.6	14	361	99	217.9	23.6	0	351	96	239.0	22.6	7	356	97	54.4
WELLMAN SEEDS	W 2807DP	245.0	18.8	0	314	88	214.6	19.1	0	319	90	229.8	19.0	0	317	89	56.7
High		271.0	22.1	14	367	99	223.0	23.6	5	351	97	245.3	22.6	7	358	97	57.5
Average		257.2	20.4	4	336	95	216.3	21.4	2	329	94	236.7	20.9	3	332	94	55.2
Low		245.0	18.5	0	297	88	208.8	19.1	0	294	89	229.8	18.9	0	300	89	52.5

TABLE 7E. Performance of hybrids in the early maturity trial. NORTH CENTRAL and NORTHEASTERN Ohio, 2019.

Brand	Hybrid	Bucyrus					Wooster					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	BA19-05	253.8	20.2	4	337	95	283.6	19.4	3	356	96	268.7	19.8	3	347	96	58.7
BA GENETICS	BA19-07	258.9	20.6	0	346	98	287.3	20.4	2	346	93	273.1	20.5	1	346	96	57.1
CHANNEL	205-63VT2PRIB	258.7	21.6	1	360	97	277.3	20.6	1	351	94	268.0	21.1	1	356	96	55.4
CHANNEL	206-11VT2PRIB	275.4	19.5	0	364	99	291.7	19.6	0	352	97	283.6	19.6	0	358	98	56.0
CHANNEL	207-90VT2PRIB	256.8	21.3	1	343	94	286.9	21.6	3	346	96	271.8	21.4	2	345	95	55.8
DEKALB	DKC50-09RIB	228.3	18.5	1	327	98	245.6	17.9	2	319	96	236.9	18.2	2	323	97	58.4
DEKALB	DKC54-40RIB	230.9	20.0	1	320	99	268.9	19.4	1	319	99	249.9	19.7	1	319	99	58.4
DEKALB	DKC54-74RIB	258.6	19.8	0	338	100	281.0	19.4	5	330	97	269.8	19.6	3	334	99	56.6
DEKALB	DKC55-53RIB	249.0	20.2	3	334	100	292.7	19.4	7	330	97	270.9	19.8	5	332	98	56.1
DEKALB	DKC55-85RIB	260.1	19.0	2	323	98	276.1	19.7	3	320	97	268.1	19.3	2	321	97	54.5
DEKALB	DKC57-99RIB	254.9	18.8	3	363	98	281.3	18.1	3	355	96	268.1	18.5	3	359	97	57.3
DEKALB	DKC58-35RIB	248.5	21.4	2	330	97	274.4	20.9	1	329	97	261.4	21.2	1	330	97	56.1
EBBERTS	6138VT2P RIB	284.8	21.8	2	369	98	299.4	22.0	1	351	92	292.1	21.9	2	360	95	54.8
EBBERTS	6416VT2P RIB	260.1	20.2	1	369	99	267.9	21.2	4	359	96	264.0	20.7	3	364	98	58.0
EBBERTS	9356SSX RIB	251.3	21.5	1	369	97	268.1	20.6	1	352	94	259.7	21.1	1	361	96	57.3
FS INVISION	FS 53ZV1 RIB	271.8	18.8	6	363	99	284.2	19.2	2	347	94	278.0	19.0	4	355	97	56.8
FS INVISION	FS 5594V RIB	248.9	19.5	3	346	96	277.0	20.4	4	347	95	263.0	19.9	3	347	96	58.4
FS INVISION	FS 55RL1 EZR	252.5	22.4	0	350	96	262.3	20.8	1	332	92	257.4	21.6	0	341	94	53.9
FS INVISION	FS 57ZV1 RIB	257.0	21.3	1	356	99	283.1	19.9	2	341	94	270.0	20.6	2	348	96	56.0
FS INVISION	FS 58RL1 EZR	222.1	21.7	1	359	99	267.9	22.1	2	354	98	245.0	21.9	1	356	99	53.0
GOLDEN HARVEST	G08M20-3010	248.8	21.8	2	339	99	258.4	22.6	0	330	98	253.6	22.2	1	335	98	55.6
LG SEEDS	LG 51C48VT2PRO	241.1	18.5	4	356	99	287.2	18.5	2	345	94	264.2	18.5	3	350	96	57.1
LG SEEDS	LG 5494VT2RIB	252.2	18.5	0	363	98	265.4	18.1	4	341	92	258.8	18.3	2	352	95	57.2
LG SEEDS	LG 5525VT2RIB	253.2	20.0	0	359	98	282.6	20.7	1	358	98	267.9	20.3	1	358	98	57.4
LG SEEDS	LG 58C77VT2RIB	255.2	21.4	6	350	93	275.1	20.9	4	355	95	265.2	21.1	5	352	94	55.1
LOCAL SEED	LC0877 VT2PRIB	251.6	20.3	0	323	95	277.8	20.3	0	314	93	264.7	20.3	0	318	94	55.4
MASTERS CHOICE	MCT5375	236.5	20.5	0	329	97	238.3	20.8	1	314	92	237.4	20.6	1	321	95	57.6
MASTERS CHOICE	MCT5663	255.4	20.2	1	324	95	273.1	20.1	1	320	94	264.2	20.1	1	322	95	55.4
RUPP	XR D06-53	245.6	20.1	1	332	95	268.9	19.6	5	325	94	257.2	19.8	3	328	95	58.5
RUPP	XR J98-52	231.1	18.8	4	330	95	257.1	18.3	3	339	97	244.1	18.5	4	335	96	56.8
RUPP	XR D01-90	250.3	18.7	2	334	97	271.8	18.6	1	332	95	261.0	18.7	2	333	96	58.9
RUPP	XR D03-07	255.3	19.3	1	327	93	273.0	18.6	2	324	93	264.1	19.0	1	325	93	56.9
RUPP	XR D07-72	236.1	19.3	2	325	95	282.5	19.6	0	320	91	259.3	19.4	1	323	93	56.7
RUPP	XR D96-13	Animal Damage					246.9	18.0	2	337	96	Animal Damage					
RUPP	XR D97-95	213.3	18.3	1	346	99	257.6	17.7	3	329	95	235.4	18.0	2	338	97	58.6
RUPP	XR J94-91	225.4	17.2	0	346	99	262.6	17.9	4	343	99	244.0	17.6	2	345	99	58.3
SEED CONSULTANTS	EX SC 105YHR	229.5	20.7	1	312	96	281.0	20.2	0	306	95	255.3	20.4	0	309	95	56.3
SEED CONSULTANTS	EX SC 110YHR	256.4	22.7	3	293	89	272.9	22.7	3	292	89	264.7	22.7	3	292	89	57.4
SEED CONSULTANTS	SCS 1008RR	240.7	18.8	3	321	98	261.7	18.7	4	299	92	251.2	18.7	4	310	95	58.3
SEED CONSULTANTS	SCS 1018YHR™	245.8	19.6	1	312	97	272.8	18.7	8	302	95	259.3	19.1	4	307	96	56.4
SEED CONSULTANTS	SCS 1069YHR	266.8	21.4	4	319	98	288.9	21.0	5	307	95	277.8	21.2	5	313	96	55.1
SEED CONSULTANTS	SCS 1087YHR™	256.5	20.8	0	294	98	272.3	22.1	1	296	97	264.4	21.4	1	295	97	54.7
SEED CONSULTANTS	SCS 10HR43™	267.3	20.0	0	279	86	270.7	20.8	0	287	89	269.0	20.4	0	283	87	56.9
SEED CONSULTANTS	SCS 987AMXT	224.3	18.2	1	306	94	230.9	18.3	1	293	90	227.6	18.3	1	299	92	57.3
SEEDWAY	SW 4000	233.2	19.1	8	334	97	254.8	17.5	4	325	95	244.0	18.3	6	330	96	58.5
SEEDWAY	SW 4010	237.8	19.0	3	329	96	248.0	18.6	3	327	94	242.9	18.8	3	328	95	58.1
SEEDWAY	SW 5440	251.0	20.4	2	308	91	262.0	19.6	0	285	85	256.5	20.0	1	297	88	57.0
VIKING	O.18-06P	240.6	19.4	2	325	95	272.4	20.2	4	324	95	256.5	19.8	3	325	95	58.5
VIKING	O.46-02P	253.4	19.3	1	341	99	277.9	18.6	1	325	95	265.6	19.0	1	333	97	57.1
VIKING	O.48-08P	244.6	20.1	1	330	97	257.8	21.9	0	332	98	251.2	21.0	1	331	98	53.9
VIKING	O.51-04PGS	250.3	19.7	10	332	99	252.0	18.7	31	321	95	251.1	19.2	21	327	97	54.9
VIKING	O.55-02P	231.9	20.2	1	329	97	254.4	20.1	5	321	95	243.2	20.2	3	325	96	57.8
WELLMAN SEEDS	W 2807DP	241.9	20.9	1	348	92	285.5	19.7	0	352	94	263.7	20.3	1	350	93	55.4
WELLMAN SEEDS	W 2902	255.0	18.3	2	337	91	268.1	18.8	1	334	92	261.5	18.6	1	336	91	57.4
WELLMAN SEEDS	W 2903DP	247.6	19.0	1	347	94	271.9	18.4	2	354	95	259.7	18.7	1	350	95	57.0
WELLMAN SEEDS	W 2906	270.9	19.6	0	348	93	275.9	19.2	1	329	88	273.4	19.4	0	339	91	57.0
High		284.8	22.7	10	369	100	299.4	22.7	31	359	99	292.1	22.7	21	364	99	58.9
Average		248.7	20.0	2	336	96	270.8	19.8	3	330	94	260.0	19.9	2	333	95	56.7
Low		213.3	17.2	0	279	86	230.9	17.5	0	285	85	227.6	17.6	0	283	87	53.0
LSD .10		17.6	1.1	3	11	3	11.6	0.9	5	15	4	14.7	0.9	4	10	3	0.9

Soil Type	Blount Silt Loam	Canfield Silt Loam
Soil Test (pH,P,K)	6.5, 104, 360	5.9, 106, 324
Previous Crop	Soybeans	Corn
Planting /Harvest Dates	May 24 / Oct. 29, 2019	May 24 / Nov. 4, 2019
Tillage	Minimum Till	Minimum Till
Fertilizer (N,P,K)	210, 26, 120, 6S	232, 84, 75, 6S
Cooperator	Crawford County Extension	Mike Sword / Ken Scaife, OARDC
County	Crawford	Wayne

TABLE 7L. Performance of hybrids in the full season trial. NORTH CENTRAL and NORTHEASTERN Ohio, 2019.

Brand	Hybrid	Bucyrus					Wooster					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	BA19-10	275.7	23.2	2	343	97	293.5	23.2	0	352	94	284.6	23.2	1	348	96	55.2
BA GENETICS	BA19-12	247.5	22.2	0	336	95	285.4	22.8	5	346	94	266.4	22.5	2	341	94	55.4
BA GENETICS	BA20-09	273.6	23.9	0	352	100	280.3	22.9	1	367	99	277.0	23.4	1	359	99	55.7
BA GENETICS	BA20-11	246.6	21.3	11	354	99	269.7	23.1	4	368	99	258.1	22.2	7	361	99	55.5
BA GENETICS	BA20-11A	249.2	26.0	4	354	99	297.7	23.8	1	361	96	273.5	24.9	2	358	97	54.7
BA GENETICS	BA20-12	247.0	23.3	0	337	95	288.8	23.5	0	341	91	267.9	23.4	0	339	93	55.4
BA GENETICS	BA20-13	239.2	25.3	0	347	98	298.0	24.8	0	343	94	268.6	25.1	0	345	96	54.5
CHANNEL	209-15VT2PRIB	249.6	22.8	0	352	97	292.2	22.9	1	347	96	270.9	22.9	1	350	97	54.3
CHANNEL	210-79DGVT2PRIB	244.7	22.2	1	361	98	296.2	24.4	2	348	95	270.4	23.3	2	355	96	55.2
CHANNEL	212-20VT2PRIB	246.3	23.5	0	352	96	284.1	24.5	0	355	96	265.2	24.0	0	354	96	54.6
CHANNEL	212-90VT2PRIB	251.4	25.0	1	338	95	268.1	24.5	5	330	91	259.7	24.8	3	334	93	53.7
CHANNEL	213-19VT2PRIB	246.8	24.9	1	365	99	286.9	26.0	0	350	95	266.8	25.5	1	358	97	55.0
DEKALB	DKC61-98RIB	266.6	23.6	0	339	98	281.0	22.7	1	347	98	273.8	23.1	1	343	98	54.8
DEKALB	DKC62-20RIB	262.6	25.0	0	320	99	279.5	23.0	1	320	98	271.1	24.0	1	320	98	54.5
DEKALB	DKC62-53RIB	249.5	24.3	0	316	100	280.5	24.7	0	312	96	265.0	24.5	0	314	98	55.0
DEKALB	DKC63-57RIB	272.4	25.0	0	325	98	277.5	22.5	1	324	98	275.0	23.8	1	325	98	54.8
DEKALB	DKC64-35RIB	253.2	24.8	0	339	98	279.1	24.7	0	333	97	266.1	24.8	0	336	97	55.4
DEKALB	DKC64-87RIB	274.4	25.1	0	337	98	282.1	24.8	1	334	98	278.2	25.0	1	336	98	54.5
DYNA-GRO	D49VC70	278.4	23.7	2	367	98	298.2	22.9	1	354	93	288.3	23.3	2	360	95	55.6
DYNA-GRO	D52VC15	276.5	22.9	1	352	98	279.4	22.1	3	347	96	278.0	22.5	2	350	97	54.9
EBBERTS	6552VT2P RIB	245.5	21.5	1	363	97	289.8	23.5	6	352	93	267.6	22.5	3	358	95	54.9
EBBERTS	6899VT2P RIB	259.7	23.1	3	351	94	292.6	22.1	0	347	94	276.1	22.6	1	349	94	55.5
EBBERTS	6910VT2P RIB	276.6	25.6	0	360	97	284.5	24.1	3	348	94	280.5	24.8	2	354	96	54.5
FS INVISION	FS 59VL1 EZR	253.7	22.0	0	348	96	273.8	23.1	1	348	96	263.7	22.5	0	348	96	51.8
FS INVISION	FS 60UV1 RIB	255.4	23.9	1	352	97	291.7	23.7	3	348	96	273.6	23.8	2	350	97	55.2
FS INVISION	FS 6194V RIB	283.0	23.4	0	354	98	298.0	23.6	1	360	99	290.5	23.5	0	357	98	54.2
FS INVISION	FS 6299L2 EZR	252.5	26.4	0	347	96	261.4	25.5	1	341	94	257.0	26.0	1	344	95	53.4
FS INVISION	FS 62ZV1 RIB	249.7	24.5	0	361	98	275.2	25.6	0	341	93	262.5	25.1	0	351	96	54.0
FS INVISION	FS 63ZV1 RIB	246.2	25.1	3	354	98	290.2	24.1	1	350	96	268.2	24.6	2	352	97	56.4
GOLDEN HARVEST	G09A86-3000GT	254.7	23.2	0	330	96	272.2	22.6	0	316	91	263.5	22.9	0	323	94	51.4
GOLDEN HARVEST	G12U17-3010	229.8	23.7	0	330	97	269.6	23.6	1	327	95	249.7	23.6	1	328	96	52.7
GOLDEN HARVEST	G13Z50-3110	227.0	24.1	0	343	99	273.6	23.8	1	339	97	250.3	23.9	1	341	98	52.5
LG SEEDS	LG 5590VT2RIB	248.1	22.5	0	363	100	296.9	23.5	0	358	97	272.5	23.0	0	360	98	54.3
LG SEEDS	LG 5643VT2RIB	236.3	25.6	3	374	99	285.6	25.9	2	367	97	261.0	25.8	2	370	98	53.9
LG SEEDS	LG 59C46VT2RIB	255.3	23.0	3	361	97	278.0	23.2	0	355	94	266.6	23.1	1	358	96	55.6
LG SEEDS	LG 60C33VT2PRO	245.4	23.8	0	358	98	278.0	22.7	0	346	95	261.7	23.2	0	352	96	53.8
LG SEEDS	LG 62C02VT2RIB	260.3	24.6	1	373	98	274.3	23.0	4	365	97	267.3	23.8	2	369	97	54.3
LOCAL SEED	LC0978 VT2PRIB	243.2	23.1	5	328	98	294.5	22.3	0	319	94	268.8	22.7	3	323	96	55.2
LOCAL SEED	LC1196 VT2PRIB	234.1	25.1	2	338	99	294.8	24.0	1	334	98	264.4	24.6	1	336	98	54.7
LOCAL SEED	LC1289 VT2PRIB	244.5	23.3	1	319	93	274.4	25.4	0	320	94	259.4	24.4	0	319	93	53.4
LOCAL SEED	LC1488 VT2PRIB	266.4	24.6	2	332	98	285.7	23.3	0	320	94	276.0	23.9	1	326	96	54.5
LOCAL SEED	LC1577 VT2PRIB	260.6	27.0	0	336	99	274.0	25.3	3	330	97	267.3	26.2	2	333	98	56.1
LOCAL SEED	ZS1487	241.6	21.2	4	325	95	283.5	23.4	2	324	96	262.6	22.3	3	325	96	53.7
MASTERS CHOICE	506R	247.4	21.4	0	332	98	280.6	22.3	4	320	95	264.0	21.9	2	326	97	54.2
RUPP	XR D09-42	271.5	24.9	0	328	95	286.9	22.3	1	307	89	279.2	23.6	1	318	92	54.0
RUPP	XR D09-63	257.8	23.1	3	346	99	283.1	22.9	1	341	98	270.5	23.0	2	343	99	53.7
RUPP	XR D10-16	281.9	23.8	1	333	96	288.4	23.0	2	329	95	285.2	23.4	1	331	96	55.6
RUPP	XR D12-49	251.0	23.9	1	354	100	275.0	25.1	1	339	98	263.0	24.5	1	347	99	53.8
SUN PRAIRIE	SP2703	232.2	21.5	0	299	88	248.6	22.7	0	302	89	240.4	22.1	0	301	88	55.6
SUN PRAIRIE	SP2792	232.0	21.9	3	333	97	258.7	22.5	1	328	95	245.3	22.2	2	330	96	53.7
SUN PRAIRIE	SP2797	257.2	26.6	2	336	98	268.9	23.5	0	314	93	263.0	25.0	1	325	96	53.8
SUN PRAIRIE	SP2874	227.4	25.7	0	307	92	262.7	26.5	0	302	89	245.1	26.1	0	305	90	53.7
SUN PRAIRIE	SP3713	228.2	26.2	3	329	98	266.3	27.8	0	333	97	247.2	27.0	2	331	98	53.0
WELLMAN SEEDS	W 2012DP	242.4	22.1	2	363	99	283.1	23.0	5	345	96	262.8	22.5	3	354	97	54.8
WELLMAN SEEDS	W 2910	269.6	23.4	0	354	95	285.3	22.9	2	339	91	277.5	23.2	1	347	93	55.2
WELLMAN SEEDS	W 2911DP	286.0	24.1	0	364	98	291.2	22.7	1	343	93	288.6	23.4	1	354	95	55.4
High		286.0	27.0	11	374	100	298.2	27.8	6	368	99	290.5	27.0	7	370	99	56.4
Average		253.7	23.9	1	344	97	281.6	23.7	1	339	95	267.6	23.8	1	341	96	54.5
Low		227.0	21.2	0	299	88	248.6	22.1	0	302	89	240.4	21.9	0	301	88	51.4
LSD .10		25.2	2.3	3	11	3	14.5	1.2	3	12	3	18.1	1.5	NS	10	2	1.1

Soil Type
Soil Test (pH,P,K)
Previous Crop
Planting /Harvest Dates
Tillage
Fertilizer (N,P,K)
Cooperator
County

Blount Silt Loam
6.5, 104, 360
Soybeans
May 24 / Oct. 29, 2019
Minimum Till
210, 26, 120, 6S
Crawford County Extension
Crawford

Canfield Silt Loam
5.9, 106, 324
Corn
May 24 / Nov. 4, 2019
Minimum Till
232, 84, 75, 6S
Mike Sword / Ken Scaife, OARDC
Wayne

TABLE 8. Two year hybrid performance in NORTH CENTRAL and NORTHEASTERN Ohio, 2018-2019.

Brand	Hybrid	Bucyrus					Wooster					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	BA19-05	266.2	18.3	2	346	97	275.2	18.6	2	358	97	270.7	18.5	2	352	97	59.6
BA GENETICS	BA19-07	271.2	18.5	0	354	98	272.7	19.0	1	353	96	271.9	18.7	1	353	97	58.4
BA GENETICS	BA19-10	277.8	19.8	1	351	98	270.1	20.9	1	361	96	273.9	20.4	1	356	97	56.4
BA GENETICS	BA19-12	268.5	19.5	1	347	97	270.7	21.0	2	352	95	269.6	20.3	1	350	96	56.6
CHANNEL	206-11VT2PRIB	277.2	17.4	0	365	99	273.4	18.2	0	359	98	275.3	17.8	0	362	98	57.0
CHANNEL	209-15VT2PRIB	275.8	19.5	0	358	98	271.9	20.9	0	354	98	273.8	20.2	0	356	98	56.3
CHANNEL	210-79DGV2PRIB	261.7	19.2	1	352	96	277.4	21.3	1	349	95	269.5	20.3	1	350	96	57.5
CHANNEL	212-20VT2PRIB	258.7	20.2	0	356	97	276.2	22.0	0	355	97	267.4	21.1	0	356	97	56.6
CHANNEL	213-19VT2PRIB	267.9	21.3	1	358	98	277.0	22.7	2	354	96	272.5	22.0	1	356	97	56.9
DEKALB	DKC62-20RIB	273.3	20.8	0	332	98	268.2	20.7	1	329	98	270.8	20.8	0	330	98	57.0
DEKALB	DKC64-87RIB	280.7	21.2	0	341	99	277.8	22.8	1	339	99	279.2	22.0	0	340	99	56.7
DYNA-GRO	D49VC70	281.2	20.1	2	367	97	278.8	20.5	1	359	95	280.0	20.3	1	363	96	57.8
EBBERTS	6138VT2P RIB	286.1	19.1	1	370	98	278.2	19.9	1	360	96	282.2	19.5	1	365	97	56.5
EBBERTS	6899VT2P RIB	271.5	20.3	2	353	96	268.2	20.8	2	356	96	269.8	20.5	2	354	96	57.9
EBBERTS	9356SSX RIB	265.2	18.9	1	363	97	265.2	19.2	2	359	97	265.2	19.0	2	361	97	59.1
FS INVISION	FS 55RL1 EZR	264.6	19.2	0	355	98	247.6	19.3	1	339	95	256.1	19.3	1	347	96	55.8
FS INVISION	FS 59VL1 EZR	261.0	19.1	0	348	96	251.8	20.3	4	352	97	256.4	19.7	2	350	96	53.9
FS INVISION	FS 63ZV1 RIB	264.1	21.5	1	354	98	267.0	22.1	2	348	96	265.6	21.8	1	351	97	58.3
GOLDEN HARVEST	G08M20-3010	248.6	19.0	1	331	97	245.6	20.3	2	321	95	247.1	19.7	1	326	96	57.4
GOLDEN HARVEST	G09A86-3000GT	268.9	19.9	0	335	97	256.2	20.4	2	327	95	262.6	20.1	1	331	96	54.1
LG SEEDS	LG 5525VT2RIB	258.5	18.1	0	369	98	266.9	19.0	1	366	98	262.7	18.6	0	368	98	58.8
LG SEEDS	LG 5590VT2RIB	266.4	19.8	0	363	99	276.6	21.3	1	356	98	271.5	20.5	0	359	99	56.0
LG SEEDS	LG 5643VT2RIB	264.1	21.6	1	376	99	262.8	23.4	1	368	97	263.4	22.5	1	372	98	55.7
LOCAL SEED	ZS1487	252.2	19.3	3	330	97	264.5	21.0	1	327	97	258.3	20.2	2	328	97	54.9
RUPP	XR D07-72	253.4	17.7	1	312	92	259.4	18.5	1	314	92	256.4	18.1	1	313	92	57.7
RUPP	XR D10-16	285.1	20.3	1	335	98	274.7	20.6	1	332	97	279.9	20.5	1	333	97	57.7
RUPP	XR D12-49	268.8	20.6	0	344	99	260.5	22.3	2	336	99	264.6	21.5	1	340	99	55.8
SEED CONSULTANTS	SCS 1018YHR™	252.1	17.4	0	311	98	260.9	17.9	4	303	96	256.5	17.7	2	307	97	57.5
SEED CONSULTANTS	SCS 1087YHR™	270.5	18.4	0	305	98	250.4	19.8	1	304	98	260.4	19.1	0	304	98	56.6
SEED CONSULTANTS	SCS 10HR43™	274.9	18.4	0	295	92	263.5	19.6	0	299	94	269.2	19.0	0	297	93	58.1
WELLMAN SEEDS	W 2807DP	251.4	18.6	1	328	92	257.3	18.5	0	330	93	254.4	18.5	0	329	92	57.0
WELLMAN SEEDS	W 2903DP	249.7	17.6	0	323	92	251.5	17.9	1	329	93	250.6	17.8	1	326	92	58.6
WELLMAN SEEDS	W 2911DP	282.1	20.5	0	339	95	272.9	20.8	1	329	93	277.5	20.6	0	334	94	57.3
High		286.1	21.6	3	376	99	278.8	23.4	4	368	99	282.2	22.5	2	372	99	59.6
Average		267.2	19.4	1	344	97	266.4	20.4	1	342	96	266.8	19.9	1	343	96	57.0
Low		248.6	17.4	0	295	92	245.6	17.9	0	299	92	247.1	17.7	0	297	92	53.9

TABLE 9. Three year hybrid performance in NORTH CENTRAL and NORTHEASTERN Ohio, 2017-2019.

Brand	Hybrid	Bucyrus					Wooster					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.	
CHANNEL	209-15VT2PRIB						257.4	20.5	2	356	98						
CHANNEL	213-19VT2PRIB						265.7	22.3	1	358	97						
DEKALB	DKC62-20RIB						261.5	20.9	1	342	98						
DEKALB	DKC64-87RIB						265.2	22.3	0	349	99						
FS INVISION	FS 59VL1 EZR						239.4	19.7	4	346	96						
RUPP	XR D07-72	245.3	19.1	1	315	92	247.3	18.4	0	321	93	246.3	18.8	1	318	93	57.5
SEED CONSULTANTS	SCS 10HR43™	264.8	19.9	0	301	92	256.6	19.7	0	307	95	260.7	19.8	0	304	94	57.3
SEED CONSULTANTS	SCS 1087YHR™	261.0	20.3	0	311	97	244.8	19.2	0	308	97	252.9	19.8	0	309	97	56.0
WELLMAN SEEDS	W 2807DP	244.4	19.5	0	329	93	250.5	18.4	0	327	92	247.5	18.9	0	328	92	57.1
High		264.8	20.3	1	329	97	265.7	22.3	4	358	99	260.7	19.8	1	328	97	57.5
Average		253.9	19.7	0	314	94	254.3	20.2	1	335	96	251.9	19.3	0	315	94	57.0
Low		244.4	19.1	0	301	92	239.4	18.4	0	307	92	246.3	18.8	0	304	92	56.0

TABLE 10. Combined regional summary of hybrid performance, 2019.

Brand	Hybrid	Western Ohio (6 Sites)					Statewide All Regions (8 Sites)						
		Yield	Harv. Mst.	Stk. Ldg.	Final Std.	Emg.	Test Wt.	Yield	Harv. Mst.	Stk. Ldg.	Final Std.	Emg.	Test Wt.
		Bu/A	-----%-----	100/A	--%--	Lbs.	Bu/A	-----%-----	100/A	--%--	Lbs.		
BA GENETICS	BA19-05	237.7	20.6	1	332	93	57.6	248.0	20.4	1	337	94	58.0
BA GENETICS	BA19-07	241.8	20.0	0	340	93	56.8	252.2	20.2	1	342	94	56.9
BA GENETICS	BA19-10	242.4	22.1	0	338	94	54.6	256.5	22.5	0	341	95	54.8
BA GENETICS	BA19-12	250.9	23.0	2	340	94	54.6	256.1	22.8	2	340	94	54.9
BA GENETICS	BA20-09	243.1	22.9	1	350	97	55.7	254.4	23.1	1	353	98	55.7
BA GENETICS	BA20-11	234.9	21.1	2	354	98	55.1	242.7	21.5	4	356	98	55.2
BA GENETICS	BA20-11A	243.2	24.8	1	350	97	54.7	253.3	24.9	1	352	97	54.7
BA GENETICS	BA20-12	253.6	24.3	0	327	91	54.6	258.4	24.0	0	331	92	54.9
BA GENETICS	BA20-13	251.3	25.3	0	345	96	54.8	257.0	25.2	0	345	96	54.7
CHANNEL	209-15VT2PRIB	247.8	22.2	2	351	97	54.3	255.5	22.4	1	351	97	54.3
CHANNEL	210-79DGV2PRIB	247.7	23.0	1	352	97	55.2	255.3	23.1	1	353	97	55.2
CHANNEL	212-20VT2PRIB	242.8	23.8	0	342	94	55.2	250.2	23.8	0	346	95	55.0
CHANNEL	212-90VT2PRIB	235.9	25.5	1	337	93	53.9	243.8	25.3	1	336	93	53.8
CHANNEL	213-19VT2PRIB	246.8	25.1	0	354	97	54.9	253.5	25.2	0	355	97	54.9
DEKALB	DKC54-74RIB	233.7	18.8	0	333	98	56.1	245.8	19.1	1	334	98	56.3
DEKALB	DKC55-53RIB	241.9	19.7	1	332	97	56.2	251.5	19.8	3	332	98	56.2
DEKALB	DKC55-85RIB	248.6	20.9	0	323	98	54.2	255.1	20.4	1	323	98	54.3
DEKALB	DKC57-99RIB	232.8	19.0	1	351	96	55.8	244.6	18.8	2	354	97	56.3
DEKALB	DKC58-35RIB	241.3	21.4	1	327	96	55.9	248.0	21.3	1	328	96	56.0
DEKALB	DKC61-98RIB	240.3	22.5	0	338	96	55.0	251.5	22.7	0	340	97	54.9
DEKALB	DKC62-20RIB	241.5	22.9	2	310	96	54.2	251.4	23.3	1	314	97	54.3
DEKALB	DKC62-53RIB	244.2	24.5	1	317	98	54.3	251.2	24.5	0	316	98	54.5
DEKALB	DKC63-57RIB	252.3	23.4	1	320	96	54.5	259.9	23.5	1	321	97	54.6
DEKALB	DKC64-35RIB	244.2	26.3	0	332	95	55.4	251.5	25.8	0	334	96	55.4
DEKALB	DKC64-87RIB	248.3	23.9	1	333	98	54.2	258.3	24.3	1	334	98	54.3
DYNA-GRO	D51VC67	254.0	24.2	1	339	93	54.2						
DYNA-GRO	D52VC15	247.4	22.7	1	351	97	54.2	257.6	22.6	1	351	97	54.5
EBBERTS	6121VT2P RIB	243.2	23.7	1	360	94	54.2						
EBBERTS	6138VT2P RIB	250.2	21.8	1	349	93	54.3	264.2	21.8	1	352	94	54.5
EBBERTS	6552VT2P RIB	245.9	23.1	1	359	96	54.5	253.2	22.9	2	359	96	54.6
EBBERTS	6883VT2P RIB	248.7	24.7	0	345	96	54.2						
EBBERTS	6899VT2P RIB	250.7	22.9	2	359	96	55.7	259.2	22.8	2	355	95	55.7
EBBERTS	6910VT2P RIB	242.0	24.4	1	357	96	54.1	254.8	24.5	1	356	96	54.2
FS INVISION	FS 57ZV1 RIB	237.4	19.0	0	351	96	55.7	248.3	19.6	1	350	96	55.8
FS INVISION	FS 58RL1 EZR	229.5	22.3	1	352	97	53.1	234.7	22.2	1	353	98	53.0
FS INVISION	FS 59VL1 EZR	240.9	21.6	0	340	94	51.3	248.5	21.9	0	343	95	51.4
FS INVISION	FS 60UV1 RIB	246.8	22.2	0	345	95	55.7	255.7	22.8	1	347	95	55.5
FS INVISION	FS 6194V RIB	250.7	23.6	1	354	97	55.1	263.9	23.6	1	355	97	54.8
FS INVISION	FS 6299L2 EZR	243.0	24.8	1	350	96	53.1	247.7	25.2	1	348	95	53.2
FS INVISION	FS 62ZV1 RIB	239.9	24.4	2	357	98	54.4	247.4	24.6	1	355	97	54.3
FS INVISION	FS 63ZV1 RIB	241.7	25.6	5	354	97	56.8	250.5	25.3	4	353	97	56.6
GOLDEN HARVEST	G09A86-3000GT	234.7	23.3	1	323	93	51.3	244.3	23.2	0	323	93	51.3
GOLDEN HARVEST	G10L16-3330A	258.4	21.1	1	327	97	54.4						
GOLDEN HARVEST	G13Z50-3110	241.6	24.8	1	337	96	52.7	244.5	24.5	1	338	97	52.7
LG SEEDS	LG 5590VT2RIB	248.9	22.4	0	358	98	53.7	256.8	22.6	0	359	98	53.9
LG SEEDS	LG 5643VT2RIB	254.8	26.4	2	365	97	54.5	256.9	26.2	2	367	97	54.3
LG SEEDS	LG 5650VT2RIB	244.3	24.4	1	364	97	56.5						
LG SEEDS	LG 59C46VT2RIB	244.6	22.6	1	352	94	56.5	252.0	22.8	1	354	95	56.2
LG SEEDS	LG 60C33VT2PRO	241.6	23.4	0	349	96	54.7	248.3	23.3	0	350	96	54.4
LG SEEDS	LG 62C02VT2RIB	244.8	22.3	1	366	98	54.2	252.3	22.8	2	367	98	54.3
LOCAL SEED	LC0877 VT2PRIB	233.8	20.2	0	315	92	54.0	244.1	20.2	0	316	93	54.4
LOCAL SEED	LC1196 VT2PRIB	237.0	24.5	0	327	95	54.3	246.1	24.6	1	330	96	54.4
LOCAL SEED	LC1289 VT2PRIB	238.2	25.2	1	319	93	54.4	245.3	24.9	1	319	93	54.0
LOCAL SEED	LC1488 VT2PRIB	248.2	22.3	1	333	97	54.3	257.4	22.9	1	330	97	54.4
LOCAL SEED	ZS1098 3330EZ	244.6	24.2	0	340	93	51.9						
LOCAL SEED	ZS1487	234.9	23.4	1	324	95	53.1	244.1	23.0	2	324	96	53.3
RUPP	XR D09-42	245.7	22.6	1	316	91	54.1	256.8	22.9	1	316	91	54.1
RUPP	XR D10-16	245.4	22.3	2	331	96	55.5	258.7	22.7	2	331	96	55.5
RUPP	XR D12-49	246.6	24.2	1	337	97	54.5	252.1	24.3	1	341	98	54.3
SEED CONSULTANTS	EX SC 110YHR	237.8	23.2	0	290	90	57.1	246.8	23.0	1	291	90	57.2
SEED CONSULTANTS	SCS 1069YHR	239.1	20.6	0	307	95	54.3	252.0	20.8	2	309	96	54.6
SEED CONSULTANTS	SCS 1087YHR™	249.7	22.8	0	290	94	53.6	254.6	22.4	0	292	95	54.0
SEED CONSULTANTS	SCS 10HR43™	230.3	20.3	0	279	87	56.0	243.2	20.3	0	280	87	56.3
SEED CONSULTANTS	SCS 1105AM	232.8	21.8	1	285	96	55.1						
STEWART SEEDS	8E623RIB	256.0	24.6	1	354	98	53.8						
STEWART SEEDS	09DD140	251.4	22.9	0	350	96	52.9						
STEWART SEEDS	09DP409	246.6	23.2	1	350	96	53.9						
STEWART SEEDS	14DD339	247.0	26.5	1	348	95	53.7						
WELLMAN SEEDS	W 2012DP	250.1	23.0	3	353	97	54.5	254.3	22.8	3	354	97	54.6
WELLMAN SEEDS	W 2807DP	231.2	19.6	0	340	90	55.3	242.1	19.9	0	343	91	55.4
WELLMAN SEEDS	W 2906	235.7	19.2	1	331	89	56.1	248.3	19.3	1	334	89	56.4
WELLMAN SEEDS	W 2910	247.8	23.7	2	347	93	55.3	257.7	23.5	2	347	93	55.3
WELLMAN SEEDS	W 2911DP	245.5	22.7	2	355	96	55.5	259.9	22.9	1	355	96	55.5
High		258.4	26.5	5	366	98	57.6	264.2	26.2	4	367	98	58.0
Average		243.7	22.9	1	338	95	54.7	251.8	22.8	1	339	95	54.8
Low		229.5	18.8	0	279	87	51.3	234.7	18.8	0	280	87	51.3
LSD .10		9.6	1.3	NS	6	2	0.8	8.6	1.0	1	5	1	0.7

TABLE 11. Seed source, table location, technology traits, and seed treatments for hybrids tested in 2019.

Brand	Seed Source	Hybrid No.	---Table No.---	Technology Traits*	Fungicide Seed Treatment	Insecticide/Nematicide Seed Treatment/Rate
AGRIGOLD HYBRIDS	AGRIGOLD	A638-44VT2DGV2PRO	1E	RR,CB,DT	Apron	Poncho 500 / Votivo
	5381 AKIN RD.	A639-40VT2RIB	1E	RR,CB	Apron	Poncho 500 / Votivo
	ST. FRANCISVILLE, IL 62460	A641-06VT2RIB	1E	RR,CB	Apron	Poncho 500 / Votivo
	800-262-7333	A641-54VT2PRO	1E	RR,CB	Apron	Poncho 500 / Votivo
	agrigoild.com	A642-59VT2RIB	1L	RR,CB	Apron	Poncho 500 / Votivo
		A644-32TRCRIB	1L	RR,CB,TRE	Apron	Poncho 500 / Votivo
		A645-16VT2PRO	1L	RR,CB	Apron	Poncho 500 / Votivo
		A6544VT2RIB	1L	RR,CB	Apron	Poncho 500 / Votivo
	A6572VT2RIB	1L	RR,CB	Apron	Poncho 500 / Votivo	
B&A GENETICS	B&A GENETICS	BA18-15	1L	RR,CB	Acceleron	Poncho 250 / NemaStrike
	2180 PINE RD.	BA19-05	1E, 4E, 7E, 10	RR,CB,RW,LL	Acceleron	Poncho 250 / NemaStrike
	CELINA, OH 45822	BA19-07	1E, 4E, 7E, 10	RR,CB,RW,LL	Acceleron	Poncho 250 / NemaStrike
	833 BA YIELD	BA19-10	1E, 4L, 7L, 10	RR,CB	Acceleron	Poncho 250 / NemaStrike
	bagenetics.us	BA19-12	1L, 4L, 7L, 10	RR,CB	Acceleron	Poncho 250 / NemaStrike
		BA20-09	1E, 4L, 7L, 10	RR,CB	Acceleron	Poncho 250 / NemaStrike
		BA20-11	1E, 4L, 7L, 10	RR,CB,RW,LL	Acceleron	Poncho 250 / NemaStrike
		BA20-11A	1E, 4L, 7L, 10	RR,CB	Acceleron	Poncho 250 / NemaStrike
		BA20-12	1L, 4L, 7L, 10	RR,CB	Acceleron	Poncho 250 / NemaStrike
		BA20-13	1L, 4L, 7L, 10	RR,CB	Acceleron	Poncho 250 / NemaStrike
		BA20-14	1L	RR,CB	Acceleron	Poncho 250 / NemaStrike
CHANNEL	CHANNEL SEED	205-63VT2PRIB	4E, 7E	RR,CB	Acceleron	Poncho 250 / NemaStrike
	800 N. LINDBERGH BLVD.	206-11VT2PRIB	4E, 7E	RR,CB	Acceleron	Poncho 250 / NemaStrike
	ST. LOUIS, MO 63167	207-90VT2PRIB	4E, 7E	RR,CB	Acceleron	Poncho 250 / NemaStrike
	419-569-8591	209-15VT2PRIB	1E, 4L, 7L, 10	RR,CB	Acceleron	Poncho 250 / NemaStrike
	channel.com	210-79DGV2PRIB	1E, 4L, 7L, 10	RR,CB,DT	Acceleron	Poncho 250 / NemaStrike
		212-20VT2PRIB	1L, 4L, 7L, 10	RR,CB	Acceleron	Poncho 250 / NemaStrike
		212-90VT2PRIB	1L, 4L, 7L, 10	RR,CB	Acceleron	Poncho 250 / NemaStrike
		213-19VT2PRIB	1L, 4L, 7L, 10	RR,CB	Acceleron	Poncho 250 / NemaStrike
		215-60TRERIB	1L	RR,CB,TRE	Acceleron	Poncho 250 / NemaStrike
	216-36DGV2PRIB	1L	RR,CB,DT	Acceleron	Poncho 250 / NemaStrike	
DAIRYLAND SEED	DAIRYLAND SEED	DS-4840 AM	4E	RR,CB,LL	Maxim Quattro / Ethaboxam	Poncho 500 / Votivo
	P.O. BOX 958	DS-4910 AML	4L	RR,CB,LL,WBC	Maxim Quattro / Ethaboxam	Poncho 500 / Votivo
	WEST BEND, WI 53095	DS-7004RA	4E	RR,CB,LL	Maxim Quattro / Ethaboxam	Poncho 500 / Votivo
	800-236-0163	RPM-4329 AM	4E	RR,CB,LL	Maxim Quattro / Ethaboxam	Poncho 500 / Votivo
	dairylandseed.com	RPM-5018 Q	4L	RR,CB,RW,LL	Maxim Quattro / Ethaboxam	Poncho 500 / Votivo
		RPM-5319 Q	4L	RR,CB,RW,LL	Maxim Quattro / Ethaboxam	Poncho 500 / Votivo
DEKALB	BAYER CROP SCIENCE	DKC50-09RIB	4E, 7E	RR,CB	Acceleron	Poncho 250 / NemaStrike
	800 N. LINDBERGH BLVD.	DKC54-40RIB	4E, 7E	RR,CB	Acceleron	Poncho 250 / NemaStrike
	ST. LOUIS, MO 63167	DKC54-74RIB	1E, 4E, 7E, 10	RR,CB	Acceleron	Poncho 250 / NemaStrike
	800-768-6387	DKC55-53RIB	1E, 4E, 7E, 10	RR,CB,RW,LL,CEW	Acceleron	Poncho 500 / NemaStrike
	aganytime.com	DKC55-85RIB	1E, 4E, 7E, 10	RR,CB	Acceleron	Poncho 250 / NemaStrike
		DKC57-99RIB	1E, 4E, 7E, 10	RR,CB	Acceleron	Poncho 250 / NemaStrike
		DKC58-35RIB	1E, 4E, 7E, 10	RR,CB	Acceleron	Poncho 250 / NemaStrike
		DKC61-98RIB	1E, 4L, 7L, 10	RR,CB	Acceleron	Poncho 250 / NemaStrike
		DKC62-20RIB	1L, 4L, 7L, 10	RR,CB	Acceleron	Poncho 250 / NemaStrike
		DKC62-53RIB	1L, 4L, 7L, 10	RR,CB	Acceleron	Poncho 250 / NemaStrike
		DKC63-57RIB	1L, 4L, 7L, 10	RR,CB	Acceleron	Poncho 250 / NemaStrike
		DKC64-35RIB	1L, 4L, 7L, 10	RR,CB	Acceleron	Poncho 250 / NemaStrike
		DKC64-87RIB	1L, 4L, 7L, 10	RR,CB,RW,LL,CEW	Acceleron	Poncho 500 / NemaStrike
		DKC67-44RIB	1L	RR,CB	Acceleron	Poncho 250 / NemaStrike
		DKC70-27RIB	1L	RR,CB	Acceleron	Poncho 250 / NemaStrike
DYNA-GRO	DYNA-GRO SEED	D46VC62	4E	RR,CB	Acceleron	Poncho 500 / Votivo
	8888 KEYSTONE CROSSING	D47CC29	4E	NonGMO	Acceleron	Poncho 500 / Votivo
	SUITE 825	D49VC70	1E, 7L	RR,CB	Acceleron	Poncho 500 / Votivo
	INDIANAPOLIS, IN 46032	D51VC67	1E, 4L, 10	RR,CB	Acceleron	Poncho 500 / Votivo
	317-844-5967	D52VC15	1L, 4L, 7L, 10	RR,CB	Acceleron	Poncho 500 / Votivo
	dynagroseed.com	D53VC33	1L	RR,CB	Acceleron	Poncho 500 / Votivo
		D55VC45	1L	RR,CB	Acceleron	Poncho 500 / Votivo
EBBERTS	EBBERTS FIELD SEEDS, INC.	6121VT2P RIB	1E, 4L, 10	RR,CB	Acceleron	Poncho 250
	6840 NORTH St.Rt. 48	6138VT2P RIB	1E, 4E, 7E, 10	RR,CB	Acceleron	Poncho 250
	COVINGTON, OH 45318	6416VT2P RIB	4E, 7E	RR,CB	Acceleron	Poncho 250
	937-473-2521	6552VT2P RIB	1L, 4L, 7L, 10	RR,CB	Acceleron	Poncho 250
	ebbertsseed.com	6883VT2P RIB	1L, 4L, 10	RR,CB	Acceleron	Poncho 250
		6899VT2P RIB	1E, 4L, 7L, 10	RR,CB	Acceleron	Poncho 250

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Brand	Seed Source	Hybrid No.	---Table No.---	Technology Traits*	Fungicide Seed Treatment	Insecticide/Nematicide Seed Treatment/Rate
FS INVISION	GROWMARK, INC. 1701 TOWANDA AVE. BLOOMINGTON, IL 61701 309-557-6234 growmark.com	FS 53ZV1 RIB	4E, 7E	RR, CB	Acceleron	Poncho 250
		FS 5594V RIB	4E, 7E	RR, CB	Acceleron	Poncho 250
		FS 55RL1 EZR	4E, 7E	GT, CB, VIP	Acceleron / EDC	Poncho 500 / Votivo
		FS 57ZV1 RIB	1E, 4E, 7E, 10	RR, CB	Acceleron	Poncho 250
		FS 58RL1 EZR	1E, 4E, 7E, 10	GT, CB, VIP	Acceleron / EDC	Poncho 500 / Votivo
		FS 59VL1 EZR	1E, 4L, 7L, 10	RR, CB	Acceleron	Poncho 250
		FS 60UV1 RIB	1E, 4L, 7L, 10	RR, CB	Acceleron	Poncho 250
		FS 6194V RIB	1E, 4L, 7L, 10	RR, CB	Acceleron	Poncho 250
		FS 629L2 EZR	1L, 4L, 7L, 10	GT, CB, VIP	Cruiser / Vibrance	Poncho 500 / Avicta
		FS 62ZV1 RIB	1L, 4L, 7L, 10	RR, CB	Acceleron	Poncho 250
		FS 63ZV1 RIB	1L, 4L, 7L, 10	RR, CB	Acceleron	Poncho 250
FS 64SV1 RIB	1L	RR, CB	Acceleron	Poncho 250		
GOLDEN HARVEST	GOLDEN HARVEST 9877 W. BRITTON RD. LAINGSBURG, MI 48848 800-445-0956 goldenharvestseeds.com	G08M20-3010	4E, 7E	GT, CB, LL, VIP	Avicta Complete w/Vibrance	Cruiser 500 / Avicta
		G09A86-3000GT	1E, 4L, 7L, 10	GT, CB, RW, LL	Avicta Complete w/Vibrance	Cruiser 500 / Avicta
		G10L16-3330A	1E, 4L, 10	GT, CB, LL, VIP, DT	Avicta Complete w/Vibrance	Cruiser 500 / Avicta
		G12U17-3010	4L, 7L	GT, CB, LL	Avicta Complete w/Vibrance	Cruiser 500 / Avicta
		G13Z50-3110	1L, 4L, 7L, 10	GT, CB, LL, VIP	Avicta Complete w/Vibrance	Cruiser 500 / Avicta
G15L32-3330	1L	GT, CB, LL, VIP, DT	Avicta Complete w/Vibrance	Cruiser 500 / Avicta		
GRO-MOR	LUCKEY FARMERS, INC. 1200 W. MAIN ST., PO BOX 217 WOODVILLE, OH 43469 419-279-3732 luckeyfarmers.com	GM 58V10EZ	4E	GT, CB, LL		Caveo 500 ST
		GM 59DP48	4L	RR, CB		Caveo 500 ST
		GM 60V86EZ	4L	GT, CB, LL		Caveo 500 ST
LG SEEDS	LG SEEDS 9915 W M21 OVID, MI 48866 800-257-7333 lgseeds.com	LG 51C48VT2PRO	4E, 7E	RR, CB	Acceleron	Poncho 500 / Votivo
		LG 5494VT2RIB	7E	RR, CB	Acceleron	Poncho 500 / Votivo
		LG 5525VT2RIB	4E, 7E	RR, CB	Acceleron	Poncho 500 / Votivo
		LG 5590VT2RIB	1E, 4L, 7L, 10	RR, CB	Acceleron	Poncho 500 / Votivo
		LG 5643VT2RIB	1L, 4L, 7L, 10	RR, CB	Acceleron	Poncho 500 / Votivo
		LG 5650VT2RIB	1L, 4L, 10	RR, CB	Acceleron	Poncho 500 / Votivo
		LG 58C77VT2RIB	4E, 7E	RR, CB	Acceleron	Poncho 500 / Votivo
		LG 59C46VT2RIB	1E, 4L, 7L, 10	RR, CB	Acceleron	Poncho 500 / Votivo
		LG 59C66VT2RIB	1E	RR, CB	Acceleron	Poncho 500 / Votivo
		LG 60C33VT2PRO	1E, 4L, 7L, 10	RR, CB	Acceleron	Poncho 500 / Votivo
		LG 62C02VT2RIB	1L, 4L, 7L, 10	RR, CB	Acceleron	Poncho 500 / Votivo
LG 64C30TRCRIB	1L	RR, CB, TRE	Acceleron	Poncho 500 / Votivo		
LOCAL SEED	LOCAL SEED COMPANY 802 ROZELLE ST. MEMPHIS, TN 38104 901-260-6000 localseed.com	LC0488 SXRIB	4E	RR, CB, RW, LL, CEW	Radius	Radius 500 / Aveo
		LC0657 SXRIB	4E	RR, CB, RW, LL, CEW	Radius	Radius 500 / Aveo
		LC0877 VT2PRIB	1E, 4E, 7E, 10	RR, CB	Radius	Radius 500 / Aveo
		LC0978 VT2PRIB	1E, 7L	RR, CB	Radius	Radius 500 / Aveo
		LC1196 VT2PRIB	1E, 4L, 7L, 10	RR, CB	Radius	Radius 500 / Aveo
		LC1289 VT2PRIB	1L, 4L, 7L, 10	RR, CB	Radius	Radius 500 / Aveo
		LC1488 VT2PRIB	1L, 4L, 7L, 10	RR, CB	Radius	Radius 500 / Aveo
		LC1577 VT2PRIB	1L, 7L	RR, CB	Radius	Radius 500 / Aveo
		LX07-90	4E	NonGMO	Radius	Radius 500 / Aveo
		ZS1098 3330EZ	1E, 4L, 10	GT, CB, LL, VIP	Radius	Radius 500 / Aveo
ZS1487	1L, 4L, 7L, 10	NonGMO	Radius	Radius 500 / Aveo		
MASTERS CHOICE	MASTERS CHOICE 305 W. VIENNA ST. ANNA, IL 62906 330-397-5042 seedcorn.com	506R	7L	GT, CB, LL, VIP	CruiserMaxx 250	Cruiser 250
		MCT5375	7E	GT, CB, RW, LL	CruiserMaxx 250	Cruiser 250
		MCT5663	7E	GT, CB, RW, LL	CruiserMaxx 250	Cruiser 250
RUPP	RUPP SEEDS, INC. 17919 CO. RD. B WAUSEON, OH 43567 877-591-7333 ruppseeds.com	XR D01-90	4E, 7E	RR, CB	Acceleron	Poncho 250
		XR D03-07	4E, 7E	RR, CB	Acceleron	Poncho 250
		XR D06-53	4E, 7E	RR, CB	Acceleron	Poncho 250
		XR D07-72	4E, 7E	RR, CB	Acceleron	Poncho 250
		XR D09-42	1E, 4L, 7L, 10	RR, CB	Acceleron	Poncho 250
		XR D09-63	4L, 7L	GT, CB, LL, WBC, VIP	CruiserMaxx 250	Cruiser 250
		XR D10-16	1E, 4L, 7L, 10	RR, CB	Acceleron	Poncho 250
		XR D12-49	1L, 4L, 7L, 10	RR, CB	Acceleron	Poncho 250
		XR D96-13	7E	GT, CB, LL, WBC, VIP	CruiserMaxx 250	Cruiser 250
		XR D97-95	7E	RR, CB	Acceleron	Poncho 250
		XR J94-91	7E	RR, CB, RW, LL, CEW	Acceleron	Poncho 500
		XR J98-52	7E	RR, CB	Acceleron	Poncho 250

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Brand	Seed Source	Hybrid No.	---Table No.---	Traits*	Seed Treatment	Seed Treatment/Rate
SEED CONSULTANTS	SEED CONSULTANTS, INC. 648 MIAMI TRACE RD. SW WASHINGTON C. H., OH 43160 800-708-2676 seedconsultants.com	EX SC 105YHR	4E, 7E	RR,CB,LL	Maxim Quattro / Ethaboxam	Poncho 1250 / Votivo
		EX SC 110YHR	1E, 4E, 7E, 10	RR,CB,LL	Maxim Quattro / Ethaboxam	Poncho 1250 / Votivo
		SCS 1008RR	7E	RR	Maxim Quattro / Ethaboxam	Poncho 500 / Votivo
		SCS 1018YHR™	7E	RR,CB,LL	Maxim Quattro / Ethaboxam	Poncho 500 / Votivo
		SCS 1069YHR	1E, 4E, 7E, 10	RR,CB,LL	Maxim Quattro / Ethaboxam	Poncho 500 / Votivo
		SCS 1105AM	1E, 4L, 10	RR,CB,LL	Maxim Quattro / Ethaboxam	Poncho 500 / Votivo
		SCS 1139AM	1L	RR,CB,LL	Maxim Quattro / Ethaboxam	Poncho 500 / Votivo
		SCS 987AMXT	7E	RR,CB,RW,LL	Maxim Quattro / Ethaboxam	Poncho 500 / Votivo
SEEDWAY	SEEDWAY, LLC PO Box 750 HALL, NY 14463 800-836-3710 seedway.com	SW 4000	7E	RR,CB,RW,LL,CEW	CruiserMaxx 250	Cruiser 250
		SW 4010	7E	RR,CB,RW,LL,CEW	CruiserMaxx 250	Cruiser 250
		SW 5440	7E	RR,CB	Acceleron	Poncho 500
STEWART SEEDS	STEWART SEEDS 2230 EAST CR 300 NORTH GREENSBURG, IN 47240 800-365-SEED stewartseeds.com	09DD140	1E, 4L, 10	RR,CB,DT	Acceleron	
		09DP409	1E, 4L, 10	RR,CB	Acceleron	
		13DD360	1L	RR,CB,DT	Acceleron	
		14DD339	1L, 4L, 10	RR,CB,DT	Acceleron	
		15DP519	1L	RR,CB	Acceleron	
		16DP310	1L	RR,CB	Acceleron	
		17DP387	1L	RR,CB	Acceleron	
8E623RIB	1L, 4L, 10	RR,CB	Acceleron			
SUN PRAIRIE	SUN PRAIRIE 305 W. VIENNA ST. ANNA, IL 62906 330-397-5042 sunprairieseeds.com	SP2703	7L	GT,CB,LL,WBC,VIP	CruiserMaxx 250	Cruiser 250
		SP2792	7L	GT,CB,RW,LL,VIP	CruiserMaxx 250	Cruiser 250
		SP2797	7L	GT,CB,RW,LL	CruiserMaxx 250	Cruiser 250
		SP2874	7L	GT	CruiserMaxx 250	Cruiser 250
		SP3713	7L	GT,CB,RW,LL	CruiserMaxx 250	Cruiser 250
VIKING	ALBERT LEA SEED 1414 W. MAIN ST. ALBERT LEA, MN 56007 800-352-5247 alseed.com	O.18-06P	4E, 7E	RR,CB	Maxim	Cruiser 250
		O.46-02P	4E, 7E	RR,CB	Maxim	Cruiser 250
		O.48-08P	4E, 7E	RR,CB	Maxim	Cruiser 250
		O.51-04PGS	4E, 7E	NonGMO	Maxim	Cruiser 250
		O.55-02P	4E, 7E	NonGMO	Maxim	Cruiser 250
WELLMAN SEEDS	WELLMAN SEEDS, INC. 23778 DELPHOS JENNINGS RD. DELPHOS, OH 45833 800-717-7333 wellmanseeds.com	W 2012DP	1L, 4L, 7L, 10	RR,CB	ENCASE for Corn	
		W 2807DP	1E, 4E, 7E, 10	RR,CB	ENCASE for Corn	
		W 2902	4E, 7E	NonGMO	ENCASE for Corn	
		W 2903DP	4E, 7E	RR,CB	ENCASE for Corn	
		W 2906	1E, 4E, 7E, 10	NonGMO	ENCASE for Corn	
		W 2910	1E, 4L, 7L, 10	NonGMO	ENCASE for Corn	
		W 2911DP	1E, 4L, 7L, 10	RR,CB	ENCASE for Corn	

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