Ohio's Country Journal

2008 Ohio Corn, Soybean, and Forage Performance Trials

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2008 OHIO CORN PERFORMANCE TEST

R.J. Minyo, Research Associate, Dept. of Horticulture & Crop Science
A.B. Geyer, Research Associate, Dept. of Horticulture & Crop Science
P.R. Thomison, Professor, Dept. of Horticulture & Crop Science
B.L. Bishop, Senior Statistician, Computing & Statistical Services
D.G. Lohnes, Web Developer, Communications & Technology
Ohio State University Extension/Ohio Agricultural Research & Development Center

The purpose of the Ohio Corn Performance Test is to evaluate corn hybrids for yield, grain quality, 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 were invited to enter hybrids in the test. An entry fee was charged to cover expenses. 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 and West Central; Northwestern; North Central and Northeastern). Companies were required to enter a hybrid in three sites within a testing region. Testing was also conducted at Coshocton (east central Ohio) in an area of high gray leaf spot incidence. Evaluation techniques for hybrids at this location were similar to those used in the regional testing program. Each hybrid entry in the regional trials is evaluated using three replications per site in a randomized complete block design. In the regional tests, hybrids were planted either in an early or full season maturity trial based on relative maturity information provided by the companies. In the Southwestern and West Central region, the relative maturity of hybrid entries in the early maturity trial was 110 days or earlier; the relative maturity of hybrid entries in the full season trial was 111 days or later. In the Northwestern and North Central and 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. At Coshocton, four replications were used and hybrids were not evaluated separately by maturity.

Hybrids were planted with a commercial type planter adapted for plot planting. Each plot consisted of four 30-inch rows approximately 25 feet long. Seed corn producers selected a final stand and percent overplant for each hybrid entered. Fertilizer, herbicides and insecticides were applied according to recommended cultural practices for obtaining optimum grain yields. Details concerning the establishment and management of each 2008 test are listed in footnotes below the tables. At the time this publication went to press, soil test analyses were not yet completed. When the results are available, they will be posted online at **http://www.oardc.ohio-state.edu/corntrials/ and http://agcrops.osu.edu/~perf/**

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 kernels planted, and was reported as a percentage of the kernels planted.

MID SILK (SILK). The mid silk date is the Julian day of the year in which 50% of the plants show silks at one site in a region.

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

PROTEIN - OIL - STARCH (PROT-OIL-STARCH). An analysis for crude protein, oil, and starch was performed on dried samples by the OSU Grain Quality Laboratory using a near-infrared transmittance whole grain analyzer with a SystemOne program calibration. Results are reported as percent protein, oil, and starch content at 15.0 percent grain moisture. At the time this publication went to press, grain protein, oil, and starch analyses were not completed. When the results are available, they will be posted online at **http://www.oardc.ohio-state.edu/corntrials/ and http://agcrops.osu.edu/~perf/**

LSD 0.05 - Least Significant Differences at probability level 0.05 (LSD 0.05) 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 95% confident (i.e. the odds are 19:1) that the yield difference is real, with only a 5% 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 really is 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 5% probability level.

2008 GROWING CONDITIONS

Environmental conditions varied greatly across Ohio during the 2008 growing season, especially with regard to the amount and distribution of precipitation. At most test sites, rainfall from planting through the mid to late vegetative stages of corn development was above normal. It was the wettest June on record in many areas of Ohio. Excessively wet soils in May and June limited early season root development and resulted in shallow root systems. Dry weather conditions persisted from the late vegetative stages through maturity at most sites. Water deficits were especially severe in the Northwestern region especially at the Hoytville test site. At other test sites, water stress was limited by timely rains and adequate soil moisture. On September 14, record high winds associated with hurricane Ike caused severe root and stalk lodging at the test sites in Southwestern/West Central region and at the Hoytville test site in Northwestern Ohio. Slower than normal crop development in parts of northern Ohio contributed to higher than normal harvest grain moisture at the Beloit and Bucyrus test sites. Disease and insect pests were not a significant factor at most test sites. However, the western corn rootworm variant was observed for the first time in the hybrid performance trial at S. Charleston (which followed soybean) and caused considerable root lodging among hybrids without the Bt rootworm resistance trait.

RESULTS

Results of the 2008 testing program are presented in Tables 1 to 10. The seed source and table location for hybrids tested in 2008 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". In the tables for the regional trials, yields and other agronomic performance characteristics have been averaged across the individual tests and shown under the SUMMARY heading. Hybrids are listed in increasing order of summary grain moisture content at harvest in the regional trials.

Performance data for the Van Wert test site in the Northwestern region are not presented. At this site, drought stress damage combined with variable field conditions resulted in inconsistent yields. Although growing conditions were drier than normal during the grain fill period (approx. mid July through early September) and stalk and root lodging was greater than normal, excellent yields were recorded at most test sites. Yields, averaged across hybrid entries, exceeded 200 bu/A at S. Charleston, Washington C.H., Greenville, Bucyrus and Coshocton.

Confidence in test results increases with the number of years and the number of locations in which the hybrid was tested. Data from a single test site should be avoided, especially if the site was characterized by abnormal growing conditions. Look for consistency in a hybrid's performance across a range of environmental conditions. Grain moisture percentage at harvest can provide a basis for comparing hybrid maturity, especially when grain moisture levels average above 20% at a test site. Yield, standability, test weight, and other comparisons should be made between hybrids of similar maturity to determine those best adapted to your farm. Since environmental conditions affect grain composition, the values reported for protein, oil, and starch should be used for comparison purposes and not as absolute values for feeding.

Results of the crop performance trials for 2008 and previous years are available online at: **http://www.oardc.ohio-state.edu/corntrials/ and http://agcrops.osu.edu/~perf/**

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TABLE 1E. Performance of hybrids in the early maturity trial. SOUTHWESTERN AND WEST CENTRAL Ohio, 2008.

		SOUTH CHARLESTON					WASHINGTON COURT HOUSE					GREENVILLE					SUMMARY					CHARACTERISTICS	
BRAND	HYBRID	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	SILK
		BU/A	-------%-------		100/A	--%--	BU/A	-------%-------		100/A	--%--	BU/A	-------%-------		100/A	--%--	BU/A	-------%-------		100/A	--%--	LBS	DAY
BIO GENE SEEDS	BG 80V08	238.6	13.9	39	336	94	217.6	13.6	5	359	98	243.6	14.0	26	329	99	233.3	13.8	23	341	97	58.5	199
BECK	5444VT3	237.6	14.0	9	314	93	211.8	14.0	2	311	97	234.2	14.3	54	323	98	227.8	14.1	22	316	96	58.3	200
SEED CONSULTANTS	SC 10MT87	241.3	14.4	8	309	91	211.9	14.0	4	333	96	230.1	14.1	17	317	97	227.8	14.2	10	320	95	58.3	200
LG SEEDS	LG 2540	240.0	13.6	4	312	94	234.2	14.0	5	312	93	239.7	15.1	9	304	92	237.9	14.2	6	310	93	58.0	199
ICORN	110.RWBR5	204.3	13.6	100	309	92	193.5	14.3	25	318	94	208.0	15.1	77	300	90	201.9	14.4	67	309	92	58.5	199
SELECT SEED HYBRIDS	358	200.7	13.7	34	300	92	193.1	14.8	37	316	97	226.9	14.8	70	292	93	206.9	14.4	47	303	94	58.6	197
SEED CONSULTANTS	SC 10MT97	199.1	13.5	36	327	91	201.7	14.6	14	311	94	224.3	15.4	63	301	91	208.4	14.5	38	313	92	58.1	198
RUPP	XR 8015vt	226.9	13.9	11	295	96	217.6	13.6	5	297	98	230.3	16.1	14	278	96	224.9	14.6	10	290	96	58.0	199
HUBNER SEED	H 5430 VT3	215.5	13.7	67	297	96	203.2	14.4	4	299	97	237.7	15.8	7	284	93	218.8	14.6	26	293	95	58.4	197
HUBNER SEED	H 5466 VT3	228.2	13.6	26	300	92	224.9	15.0	5	315	93	246.8	15.6	33	300	94	233.3	14.7	21	305	93	58.1	199
BIO GENE SEEDS	BG 79V08	191.8	14.3	87	308	95	200.8	15.6	83	310	95	208.9	14.7	77	332	98	200.5	14.9	82	316	96	57.8	200
SELECT SEED HYBRIDS	510	199.0	14.4	67	317	95	223.0	15.5	25	321	98	220.8	15.7	21	300	96	214.3	15.2	38	313	96	59.3	201
EBBERTS	2808 VT3	254.0	14.2	17	309	92	226.4	15.7	7	332	99	243.6	15.7	13	307	93	241.3	15.2	12	316	94	58.6	200
STEWART SEEDS	7T231	221.0	14.4	34	305	92	227.1	16.1	5	322	97	247.3	15.7	23	315	94	231.8	15.4	21	314	94	56.9	199
BECK	5684VT3	185.7	15.0	83	325	95	210.4	15.5	87	320	99	238.3	15.8	66	309	96	211.5	15.4	79	318	97	58.0	201
CROW S	4799VT3	231.0	14.4	6	294	92	218.3	16.0	7	301	95	251.1	15.9	7	289	92	233.5	15.4	7	295	93	59.4	199
SEED CONSULTANTS	SCS 10H78	236.9	15.2	30	306	94	243.4	15.7	6	311	98	222.6	15.6	2	310	97	234.3	15.5	13	309	96	61.0	201
DYNA-GRO	V5073VT3	237.3	14.5	8	311	90	222.0	15.4	6	317	97	225.7	16.9	4	299	96	228.3	15.6	6	309	94	57.9	199
RUPP	XR 8045vt	224.7	15.1	17	284	99	263.1	15.9	57	298	99	243.0	16.0	87	292	97	243.6	15.6	53	291	98	58.4	197
MIDWEST SEED GENETICS	76865VT3	247.9	14.6	35	324	93	236.4	16.0	9	328	95	247.7	16.3	12	317	93	244.0	15.6	19	323	94	56.9	199
STEWART SEEDS	7K456	239.6	15.6	73	307	93	221.7	15.0	39	323	99	241.5	16.4	9	301	95	234.3	15.7	40	311	96	59.0	199
DEKALB	DKC60-51	267.0	15.1	4	308	92	232.1	15.3	29	325	97	251.4	16.7	4	322	99	250.2	15.7	13	318	96	60.0	197
CROW S	4355	253.9	15.2	30	342	95	256.1	16.7	22	351	97	249.5	15.2	18	322	92	253.2	15.7	23	338	95	58.6	198
SEED CONSULTANTS	SCS 1070	238.3	15.2	30	317	96	237.9	16.3	16	326	98	249.3	15.8	15	304	96	241.8	15.8	20	316	97	60.6	197
CROW S	4688VT3	236.6	13.9	10	314	92	246.3	17.1	8	329	97	239.5	16.4	31	312	98	240.8	15.8	16	318	96	57.0	200
RUPP	XR 1791	234.4	15.8	36	282	95	246.0	16.4	8	294	98	219.6	15.3	2	279	95	233.3	15.8	15	285	96	60.9	199
ICORN	109.5VT3	265.4	15.2	23	319	92	251.7	16.3	13	327	96	255.5	16.0	17	315	95	257.5	15.8	18	320	94	59.2	198
LG SEEDS	LG 2555VT3	241.5	15.2	60	310	91	253.9	15.2	13	334	99	241.8	17.2	83	314	96	245.7	15.8	52	319	95	56.4	199
STEWART SEEDS	7K285	248.4	15.3	11	301	92	237.1	16.0	20	325	97	231.8	16.3	5	298	93	239.1	15.9	12	308	94	60.8	199
SEED CONSULTANTS	SC 11HQ08	246.0	14.7	23	324	97	232.7	15.8	37	328	99	239.7	17.4	6	307	93	239.5	16.0	22	320	96	58.3	202
MIDWEST SEED GENETICS	76996VT3	249.9	15.0	11	312	94	235.4	16.1	11	304	95	244.0	16.8	5	303	94	243.1	16.0	9	306	94	59.8	198
EBBERTS	2711	243.3	15.9	38	303	93	249.7	16.4	15	306	91	248.1	15.7	10	307	94	247.0	16.0	21	305	93	56.5	198
LG SEEDS	LG 2552VT3	248.7	15.5	19	289	95	250.0	16.2	4	300	95	233.4	16.5	13	291	94	244.1	16.0	12	293	95	56.0	197
SEED CONSULTANTS	SC 11YP07	223.8	14.7	60	310	90	251.0	17.0	52	328	96	223.1	16.5	57	310	94	232.7	16.1	56	316	94	57.2	197
CROW S	4726Y	213.3	15.2	38	316	91	244.8	16.5	10	326	97	245.4	16.6	14	294	90	234.5	16.1	20	312	92	58.5	200
ICORN	110.RWBR7	222.0	15.2	11	311	93	245.2	16.1	25	322	98	244.3	17.1	24	316	96	237.2	16.1	20	316	96	59.0	199
BECK	5555VT3	218.7	15.4	87	317	93	208.4	15.7	22	311	93	244.7	17.3	67	293	89	224.0	16.1	58	307	92	59.0	200
MYCOGEN SEEDS	2J669	244.0	15.3	33	305	96	216.7	17.0	18	307	98	222.8	16.1	21	295	94	227.8	16.1	24	303	96	57.2	199
UNITY SEEDS	3710 Hxtra RR	254.2	15.2	52	323	97	231.8	16.1	58	317	99	223.5	17.3	15	292	94	236.5	16.2	42	311	97	58.6	200
SELECT SEED HYBRIDS	449	255.1	15.0	13	300	91	234.4	17.9	4	310	95	226.0	16.3	3	279	91	238.5	16.4	7	297	92	58.2	198
CROW S	4822B	255.0	16.1	11	305	93	258.0	16.5	9	320	98	239.4	16.9	6	303	97	250.8	16.5	8	309	96	58.3	201
MIDWEST SEED GENETICS	76804Y	196.9	15.1	64	314	90	242.0	17.4	2	315	92	248.3	17.1	14	315	95	229.1	16.5	27	314	92	58.9	198
GRO-MOR	5670	220.6	15.5	77	286	87	235.0	17.3	7	295	94	240.4	17.0	9	287	90	232.0	16.6	31	289	90	56.9	200
SEED CONSULTANTS	SCS 11RR09	238.8	16.4	12	318	88	225.9	17.0	3	327	98	233.8	16.6	2	315	96	232.8	16.7	6	320	94	62.4	195
STEWART SEEDS	7T630	241.9	15.8	53	331	92	249.9	17.3	32	355	94	247.6	17.4	13	331	98	246.5	16.8	33	339	95	58.4	199
MIDWEST SEED GENETICS	77012B	261.1	16.2	7	306	94	262.9	17.8	6	301	97	251.0	17.3	6	294	97	258.4	17.1	6	301	96	57.8	199
EBBERTS	2909 VT3	255.0	16.3	12	321	97	259.5	19.2	63	334	92	239.8	16.0	67	315	96	251.4	17.1	47	323	95	58.2	199
CAMPBELL SEED	682-76VT3	256.2	15.8	7	299	96	242.1	17.2	11	314	99	255.9	19.2	4	300	99	251.4	17.4	7	304	98	58.0	197
BECK	5335RR™*	260.0	16.5	9	306	91	235.3	17.9	3	310	94	233.7	18.4	0	281	90	243.0	17.6	4	299	92	62.9	199
SEED CONSULTANTS	SCS 11RR19	242.5	16.7	2	283	89	237.2	18.1	4	301	95	235.9	18.3	4	283	90	238.5	17.7	3	289	91	62.7	198
SELECT SEED HYBRIDS	5073VT	243.4	16.5	29	292	89	244.4	19.6	42	310	93	244.9	19.4	8	282	93	244.2	18.5	26	294	91	57.3	198
HIGH		267.0	16.7	100	342	99	263.1	19.6	87	359	99	255.9	19.4	87	332	99	258.4	18.5	82	341	98	62.9	202
AVERAGE		234.8	15.0	33	309	93	232.5	16.1	20	318	96	237.6	16.3	24	303	94	235.0	15.8	25	310	95	58.6	199
LOW		185.7	13.5	2	282	87	193.1	13.6	2	294	91	208.0	14.0	0	278	89	200.5	13.8	3	285	90	56.0	195
LSD .05		20.3	0.9	41	20	6	20.9	1.9	31	18	5	16.6	1.5	32	20	5	20.1	1.1	28	12	3	0.9	2

SOIL TYPE	KOKOMO SILT LOAM	PEWAMO SILT LOAM	KOKOMO SILT LOAM
PREVIOUS CROP	SOYBEANS	SOYBEANS	WHEAT
PLANTING /HARVEST DATES	MAY 1 / OCT. 15, 2008	MAY 1 / OCT. 22, 2008	MAY 6 / OCT. 14, 2008
TILLAGE	STALE SEEDBED	MINIMUM TILL	STALE SEEDBED
FERTILIZER (N,P,K)	220, 40, 40	220, 80, 120	165, 40, 40
COOPERATOR	CLARENCE RENK, OARDC	SOLLARS FARM	MONTY STUMP FARM
COUNTY	CLARK	FAYETTE	DARKE

TABLE 1L. Performance of hybrids in the full season trial. SOUTHWESTERN AND WEST CENTRAL Ohio, 2008.

		SOUTH CHARLESTON					WASHINGTON COURT HOUSE					GREENVILLE					SUMMARY					CHARACTERISTICS	
BRAND	HYBRID	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	SILK
		BU/A	-------%-------		100/A	--%--	BU/A	-------%-------		100/A	--%--	BU/A	-------%-------		100/A	--%--	BU/A	-------%-------		100/A	--%--	LBS	DAY
PORTER HYBRIDS	4411	239.5	14.6	6	314	96	205.1	14.3	2	315	100	229.9	15.3	20	303	97	224.8	14.7	9	310	97	58.9	200
ICORN	112.VT3	215.8	14.3	40	298	95	195.4	13.5	3	312	97	239.1	16.4	15	310	96	216.8	14.7	19	307	96	57.4	198
CAMPBELL SEED	69-36VT3	198.7	14.3	67	321	97	195.6	13.9	7	318	100	232.1	16.1	41	314	97	208.8	14.8	38	318	98	57.5	199
HUBNER SEED	H 5582 VT3	243.4	14.9	23	317	94	230.4	13.7	14	321	100	236.1	16.2	57	327	98	236.6	14.9	32	322	98	57.3	199
DEKALB	DKC63-42	254.5	14.5	11	302	92	215.6	15.1	4	304	96	237.7	15.5	8	315	97	235.9	15.0	8	307	95	57.5	197
DYNA-GRO	V5273VT3	191.5	14.6	90	307	92	189.3	15.2	77	314	97	223.2	15.6	100	303	96	201.3	15.1	89	308	95	57.4	200
DYNA-GRO	57V44	178.6	14.3	57	270	91	231.2	16.3	16	277	96	219.6	15.7	47	250	87	209.8	15.4	40	266	91	57.7	199
SEED CONSULTANTS	SC 11VTT18A	252.2	14.9	8	306	94	212.0	15.4	5	316	92	229.8	16.0	12	314	95	231.4	15.4	8	312	94	59.8	198
STEWART SEEDS	8T339	208.7	14.7	35	335	97	207.2	14.2	11	329	94	245.8	17.4	67	327	94	220.5	15.5	38	330	95	57.8	199
DEKALB	DKC61-69	246.9	14.4	31	307	96	217.0	14.7	3	306	99	242.4	17.2	4	303	97	235.4	15.5	12	305	97	58.0	195
SEED CONSULTANTS	SC 11VTT16	236.0	16.0	17	305	94	215.3	15.4	4	320	95	215.3	15.0	67	326	97	222.2	15.5	29	317	95	59.7	200
DEKALB	DKC61-37	201.3	14.4	19	288	93	196.2	15.2	24	295	97	230.3	17.0	19	282	93	209.3	15.5	21	288	94	56.4	198
CAMPBELL SEED	673-86VT3	247.8	14.5	53	305	95	216.5	16.2	2	307	95	248.3	16.0	12	297	97	237.6	15.6	23	303	96	57.7	199
BECK	5608VT3	252.7	15.3	4	304	95	223.1	15.2	3	300	94	235.5	16.5	21	305	93	237.1	15.7	9	303	94	59.5	199
EBBERTS	2711 HX QUAD	257.1	15.6	31	307	94	241.3	15.7	29	310	95	251.9	16.2	22	304	91	250.1	15.9	28	307	94	56.0	199
CAMPBELL SEED	70-13R2	244.2	15.1	45	304	94	225.8	15.8	10	309	98	223.6	16.7	21	305	98	231.2	15.9	25	306	97	59.1	199
SEED CONSULTANTS	SC 11RR28	206.9	15.2	31	311	96	201.7	16.2	8	318	93	198.6	16.4	60	312	91	202.4	15.9	33	314	93	56.6	203
DYNA-GRO	57V70	207.4	15.7	87	328	97	201.7	15.9	0	318	97	231.1	16.6	24	303	94	213.4	16.0	37	316	96	59.2	198
ICORN	111.6VT3	246.4	15.1	4	347	96	222.6	17.0	1	349	99	245.2	16.7	32	344	95	238.1	16.3	12	347	97	58.3	199
DYNA-GRO	V5383VT3	258.5	15.9	87	339	96	234.3	16.2	53	339	97	230.8	16.8	80	327	98	241.2	16.3	73	335	97	58.3	200
BIO GENE SEEDS	BG 84V09	236.2	14.8	53	326	97	195.8	16.9	50	312	97	232.8	17.6	42	314	98	221.6	16.5	48	317	98	56.0	201
DEKALB	DKC61-19	247.9	15.4	5	292	89	230.1	16.3	3	303	94	249.8	17.7	3	293	94	242.6	16.5	3	296	92	58.3	199
MYCOGEN SEEDS	2Y737	218.9	16.2	70	324	98	245.3	17.4	9	318	97	211.9	16.1	57	317	93	225.4	16.6	45	320	96	59.5	201
STEWART SEEDS	7T765	245.3	15.4	8	359	97	221.8	16.6	6	347	100	244.0	18.0	4	326	93	237.0	16.6	6	344	97	57.7	200
UNITY SEEDS	3312 Hxtra	227.2	15.9	10	286	93	182.8	16.7	1	270	84	232.0	17.7	10	277	89	214.0	16.7	7	277	88	57.6	200
PIONEER	34P94	255.8	16.0	22	329	92	226.3	16.8	5	351	99	242.3	17.4	16	335	95	241.5	16.7	14	339	96	58.0	200
LG SEEDS	LG 2641VT3	247.5	16.1	23	294	98	250.6	17.9	6	328	100	252.3	16.3	8	306	93	250.1	16.8	12	310	97	55.3	199
DEKALB	DKC66-23	220.9	16.3	37	310	99	206.3	17.3	5	305	99	227.8	16.9	66	292	94	218.3	16.8	36	302	97	58.3	199
MIDWEST SEED GENETICS	82228VT3	251.5	16.0	4	318	96	225.1	16.6	2	312	94	242.4	17.9	7	317	95	239.7	16.8	4	316	95	57.5	196
MIDWEST SEED GENETICS	78130	241.4	16.1	15	330	94	202.2	16.7	3	354	100	232.9	17.8	15	327	92	225.5	16.8	11	337	95	59.0	199
PIONEER	33W84	256.5	17.1	7	314	93	209.5	16.2	1	318	96	244.9	17.3	5	316	93	237.0	16.8	4	316	94	60.7	199
DEKALB	DKC64-24	242.5	15.5	4	305	98	195.9	16.9	4	309	98	230.1	18.6	3	293	96	222.8	17.0	4	302	97	58.6	197
LG SEEDS	LG 2620VT3	247.6	16.1	44	311	94	228.9	17.2	4	339	93	246.7	17.6	70	313	97	241.1	17.0	39	321	95	56.1	200
DEKALB	DKC62-54	246.1	15.1	40	289	93	226.5	16.8	12	307	98	243.5	19.0	10	286	94	238.7	17.0	21	294	95	58.7	194
DYNA-GRO	58V72	223.1	15.7	10	297	98	212.0	17.1	45	298	97	245.1	18.6	43	286	94	226.7	17.2	33	293	96	55.6	199
UNITY SEEDS	3714 Hxtra RR	240.1	16.3	97	301	96	233.4	18.1	62	320	99	215.2	17.2	63	299	95	229.6	17.2	74	307	97	57.0	200
MYCOGEN SEEDS	2T789	199.9	16.2	51	288	99	243.0	18.5	63	295	92	229.2	17.0	40	281	89	224.0	17.2	51	288	93	57.7	200
STEWART SEEDS	8N354	191.6	15.6	17	354	97	197.7	17.8	44	358	96	243.8	18.3	48	356	98	211.0	17.2	36	356	97	56.3	201
STEWART SEEDS	8T266	220.4	16.6	32	375	98	194.8	17.8	14	366	98	231.9	17.3	60	350	96	215.7	17.3	35	364	97	59.4	200
CAMPBELL SEED	683-76VT3	237.1	16.9	10	317	96	221.9	17.6	8	317	96	227.3	17.5	47	311	97	228.8	17.3	21	315	96	59.5	200
STEWART SEEDS	8T755	253.0	17.0	16	309	93	238.6	16.4	10	315	96	234.0	19.1	58	304	90	241.9	17.5	28	309	93	58.0	199
DEKALB	DKC65-63	264.6	15.7	48	287	97	233.1	17.0	80	297	96	244.2	19.8	59	290	93	247.3	17.5	62	291	96	56.8	201
CROW S	5553VT3	240.0	17.0	9	307	92	206.0	16.2	4	316	91	239.3	19.5	2	300	91	228.5	17.5	5	308	91	57.1	199
BIRD HYBRIDS	B82	212.7	17.3	40	336	97	227.8	17.6	5	348	97	219.2	17.8	25	307	93	219.9	17.5	23	330	96	58.1	199
ICORN	111.VT9	252.4	16.8	13	350	94	229.9	18.3	38	359	99	225.2	17.6	53	356	94	235.8	17.6	35	355	96	59.0	200
BIO GENE SEEDS	BG 81V09	227.1	16.3	67	325	95	228.5	18.5	19	329	98	248.6	18.0	22	322	93	234.7	17.6	36	325	95	57.3	201
SEED CONSULTANTS	SC 11BR58	195.4	16.8	37	348	93	206.4	18.1	97	344	100	223.7	18.0	57	324	92	208.5	17.6	64	339	95	55.5	203
SEED CONSULTANTS	SC 11VTT56	191.5	17.2	77	308	96	216.5	18.2	29	312	97	229.8	17.7	59	314	96	212.6	17.7	55	311	97	59.1	202
CAMPBELL SEED	681-76VT3	266.0	17.2	7	305	95	220.8	17.3	27	305	98	237.3	19.0	34	293	91	241.4	17.8	23	301	95	57.7	198
HUBNER SEED	H 5636 VT3	238.2	16.6	9	304	92	221.0	19.2	6	318	100	229.5	17.9	8	307	91	229.5	17.9	8	310	94	59.1	198
WELLMAN SEEDS	W 2912RRCB	240.4	17.2	30	299	92	224.2	17.6	12	306	95	245.3	19.2	10	283	88	236.6	18.0	17	296	92	57.3	200
MIDWEST SEED GENETICS	80404VT3	259.4	16.2	77	339	93	233.8	18.1	6	344	97	244.5	20.3	6	321	95	245.9	18.2	30	335	95	58.3	198
UNITY SEEDS	4116 VT3	249.3	16.9	40	297	97	221.4	19.0	11	297	100	238.6	19.2	64	299	91	236.4	18.3	38	297	96	57.2	201
SEED CONSULTANTS	Exp 11HR15	217.7	18.2	31	310	94	224.1	17.9	7	325	98	243.9	19.0	8	312	94	228.6	18.3	16	316	95	60.7	201
BECK	5779VT3	225.8	17.6	12	297	96	230.8	19.0	37	300	93	252.2	18.5	34	301	97	236.3	18.3	27	299	95	56.6	199
CROW S	5304VT3	203.9	16.9	40	326	93	220.6	18.1	7	328	96	246.8	20.4	13	306	95	223.7	18.5	20	320	94	58.3	199
STEWART SEEDS	8T468	252.1	16.9	41	312	96	227.7	19.1	61	321	98	250.4	19.8	80	309	98	243.4	18.6	61	314	97	56.4	198
PIONEER	33F88	237.7	17.7	97	333	95	219.1	18.9	93	327	96	242.3	19.3	64	336	97	233.0	18.6	85	332	96	58.6	202
BECK	6733HXR™*	229.5	18.8	100	316	100	210.0	17.8	77	322	96	238.8	19.5	63	322	94	226.1	18.7	80	320	97	59.4	202
PIONEER	32T85	255.3	17.3	53	325	94	231.8	19.4	70	347	97	239.0	19.4	20	327	92	242.1	18.7	48	333	94	59.6	201
SEED CONSULTANTS	SCS 1139	225.8	17.6	13	288	91	231.1	18.6	2	301	95	220.6	20.0	4	250	78	225.9	18.8	7	280	88	58.5	199
CROW S	5291B	219.0	16.8	53	358	96	217.6	18.8	14	349	99	247.8	21.0	31	322	91	228.2	18.9	33	343	96	58.3	200
BIRD HYBRIDS	B835	233.3	19.1	20	290	91	232.2	19.4	57	297	96	248.1	20.0	28	300	94	237.9	19.5	35	296	94	58.8	202
BIO GENE SEEDS	BG 83V08	263.6	18.6	31	325	96	219.1	20.4	4	334	98	256.3	20.4	32	325	96	246.3	19.8	22	328	97	56.5	200
SEED CONSULTANTS	SC 11VTT48	256.4	19.0	5	312	93	219.7	19.7	1	312	94	251.4	21.4	4	310	91	242.5	20.0	3	312	93	54.1	199
PORTER HYBRIDS	4512	218.9	19.6	40	289	92	242.4	20.2	73	288	94	237.5	20.6	60	288	93	232.9	20.1	58	288	93	58.7	202
SEED CONSULTANTS	SCS 11H38	224.8	19.5	80	306	98	225.5	20.7	97	320	99	235.5	20.3	100	307	97	228.6	20.1	92	311	98	58.1	202
HIGH		266.0	19.6	100	375	100	250.6	20.7	97	366	100	256.3	21.4	100	356	98	250.1	20.1	92	364	98	60.7	203
AVERAGE		233.4	16.3	36	314	95	219.2	17.1	23	319	97	236.5	17.9	35	309	94	229.7	17.1	31	314	95	57.9	199
LOW		178.6	14.3	4	270	89	182.8	13.5	0	270	84	198.6	15.0	2	250	78	201.3	14.7	3	266	88	54.1	194
LSD .05		28.1	1.2	44	21	6	28.8	2.0	34	17	5	19.2	1.8	44	22	7	22.3	1.2	30	13	4	1.1	2

SOIL TYPE	KOKOMO SILT LOAM	PEWAMO SILT LOAM	KOKOMO SILT LOAM
PREVIOUS CROP	SOYBEANS	SOYBEANS	WHEAT
PLANTING /HARVEST DATES	MAY 1 / OCT. 15, 2008	MAY 1 / OCT. 22, 2008	MAY 6 / OCT. 14, 2008
TILLAGE	STALE SEEDBED	MINIMUM TILL	STALE SEEDBED
FERTILIZER (N,P,K)	220, 40, 40	220, 80, 120	165, 40, 40
COOPERATOR	CLARENCE RENK, OARDC	SOLLARS FARM	MONTY STUMP FARM
COUNTY	CLARK	FAYETTE	DARKE

TABLE 2. Two year hybrid performance in SOUTHWESTERN AND WEST CENTRAL Ohio, 2007-2008.

		SOUTH CHARLESTON					WASHINGTON COURT HOUSE					GREENVILLE					SUMMARY					CHARACTERISTICS	
BRAND	HYBRID	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	SILK
		BU/A	-------%-------		100/A	--%--	BU/A	-------%-------		100/A	--%--	BU/A	-------%-------		100/A	--%--	BU/A	-------%-------		100/A	--%--	LBS	DAY
BIO GENE SEEDS	BG 80V08	243.3	15.0	19	326	95	227.3	14.6	3	331	95	227.6	17.2	13	315	94	232.7	15.6	12	324	95	58.8	195
SEED CONSULTANTS	SC 10MT97	213.7	15.2	18	313	92	213.4	15.3	7	300	93	214.9	17.0	32	297	92	214.0	15.8	19	303	92	58.4	194
CAMPBELL SEED	69-36VT3	213.4	15.2	33	314	97	215.7	14.8	4	312	99	226.9	18.1	21	307	96	218.7	16.0	19	311	97	57.8	194
ICORN	110.RWBR5	219.4	15.3	50	306	93	209.4	15.1	14	305	94	214.0	17.9	38	291	89	214.3	16.1	34	301	92	58.2	195
BECK	5444VT3	246.0	15.1	5	322	96	229.2	15.1	1	321	98	222.1	18.2	27	318	95	232.4	16.1	11	321	96	58.3	196
ICORN	112.VT3	219.8	14.9	20	306	95	221.5	14.7	2	313	96	238.0	18.9	8	311	96	226.4	16.2	10	310	96	57.5	195
SEED CONSULTANTS	SC 10MT87	242.9	15.5	4	311	95	225.1	15.1	3	314	95	218.0	18.0	8	297	93	228.7	16.2	5	308	94	58.5	197
PORTER HYBRIDS	4411	236.0	15.2	3	323	97	219.0	14.9	1	318	99	225.2	18.6	10	306	96	226.7	16.2	5	316	97	58.3	196
BIO GENE SEEDS	BG 79V08	209.4	15.7	43	299	96	208.1	15.6	42	288	93	208.0	17.5	38	306	96	208.5	16.2	41	298	95	58.0	194
DEKALB	DKC63-42	248.3	15.3	6	312	95	234.0	15.2	2	308	97	232.5	18.7	4	310	96	238.3	16.4	4	310	96	57.7	193
STEWART SEEDS	8T339	218.8	15.4	18	328	98	224.3	15.1	6	319	96	242.9	18.8	34	319	95	228.7	16.4	19	322	96	57.9	194
DYNA-GRO	57V44	197.7	15.6	28	288	94	232.5	16.2	8	290	96	219.6	17.9	24	284	92	216.6	16.6	20	287	94	57.6	196
SEED CONSULTANTS	SC 11VTT16	225.4	16.6	9	303	95	210.2	15.9	2	312	96	207.0	18.2	33	313	97	214.2	16.9	15	309	96	59.4	196
LG SEEDS	LG 2552VT3	253.0	16.5	10	304	96	248.8	16.0	3	302	95	227.9	18.4	6	302	95	243.3	16.9	6	303	95	56.1	193
STEWART SEEDS	7K456	233.1	16.4	37	306	94	218.4	16.1	20	303	94	222.3	18.9	4	291	91	224.6	17.1	20	300	93	59.2	194
ICORN	110.RWBR7	220.6	16.3	6	303	92	241.7	16.4	12	310	96	234.0	19.4	12	300	93	232.1	17.4	10	304	94	58.8	194
CAMPBELL SEED	70-13R2	237.5	16.5	23	309	96	225.3	16.1	5	308	97	217.6	19.6	10	298	95	226.8	17.4	13	305	96	59.2	196
PIONEER	34P94	236.5	16.1	11	318	96	220.7	16.8	3	332	99	231.4	19.9	8	324	95	229.5	17.6	7	325	97	57.6	197
STEWART SEEDS	8T266	232.1	17.0	16	350	97	203.9	17.6	7	333	97	217.2	19.4	30	331	94	217.7	18.0	18	338	96	59.5	196
ICORN	111.VT9	245.5	17.1	7	334	95	223.4	17.5	19	335	98	212.8	19.6	27	331	94	227.2	18.1	17	333	96	59.2	196
HIGH		253.0	17.1	50	350	98	248.8	17.6	42	335	99	242.9	19.9	38	331	97	243.3	18.1	41	338	97	59.5	197
AVERAGE		229.6	15.8	18	314	95	222.6	15.7	8	313	96	223.0	18.5	19	308	94	225.1	16.7	15	311	95	58.3	195
LOW		197.7	14.9	3	288	92	203.9	14.6	1	288	93	207.0	17.0	4	284	89	208.5	15.6	4	287	92	56.1	193

Ohio Corn Performance Test Sites for 2008.

TABLE 3E. Performance of hybrids in the early maturity trial. NORTHWESTERN Ohio, 2008.

		HOYTVILLE					UPPER SANDUSKY					SUMMARY					CHARACTERISTICS	
BRAND	HYBRID	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	SILK
		BU/A	-------%-------		100/A	--%--	BU/A	-------%-------		100/A	--%--	BU/A	-------%-------		100/A	--%--	LBS	DAY
CAMPBELL SEED	591-76VT3	146.8	12.8	47	352	99	171.8	16.9	1	345	100	159.3	14.8	24	348	99	57.6	208
G2 GENETICS	1H-005 HX/LL	157.4	14.0	67	325	96	207.8	15.7	50	313	97	182.6	14.9	58	319	97	56.4	209
DEKALB	DKC54-49	148.7	14.7	90	324	99	175.8	15.3	29	318	95	162.3	15.0	59	321	97	60.1	207
DYNA-GRO	V44RP83	131.9	14.8	77	353	99	155.8	15.3	5	309	97	143.8	15.1	41	331	98	59.8	207
SEED CONSULTANTS	SC 10MT37	130.7	13.7	64	348	96	173.9	16.8	3	304	88	152.3	15.3	33	326	92	59.6	207
STEWART SEEDS	6T672	136.8	14.1	77	394	97	175.7	16.7	7	389	98	156.3	15.4	42	392	98	57.6	210
ICORN	107.VT4	140.7	13.5	34	338	97	180.1	17.2	5	320	93	160.4	15.4	20	329	95	57.9	209
DEKALB	DKC54-20	133.8	14.5	40	335	100	186.8	16.4	4	307	99	160.3	15.5	22	321	99	60.4	207
SEED CONSULTANTS	SC 10H27	133.4	13.6	27	343	95	164.5	17.4	5	338	98	148.9	15.5	16	340	96	58.4	211
DEKALB	DKC53-17	126.1	13.8	50	347	98	161.7	17.2	2	312	95	143.9	15.5	26	330	96	58.8	205
LG SEEDS	LG 2548	145.8	13.3	63	337	97	176.9	17.8	1	282	89	161.3	15.5	32	309	93	56.0	209
RUPP	XR 8024	133.2	13.6	29	322	98	182.5	17.5	1	317	92	157.8	15.5	15	319	95	59.3	208
GRO-MOR	56L82	135.3	13.6	90	330	94	165.0	17.7	2	309	95	150.2	15.7	46	319	95	55.8	209
GRIES SEED FARM	YP 6809R	114.8	14.9	80	300	96	168.2	16.5	65	287	92	141.5	15.7	73	293	94	57.6	207
DEKALB	DKC55-24	131.3	14.7	90	304	89	181.1	17.0	11	293	95	156.2	15.8	50	298	92	58.0	210
LG SEEDS	LG 2532VT3	128.5	14.1	65	353	96	167.7	18.1	8	308	93	148.1	16.1	37	331	94	58.7	205
CROW S	3848VT3	133.5	13.4	57	371	94	179.3	18.8	80	360	98	156.4	16.1	68	365	96	58.8	210
CROW S	4224VT3	134.0	15.3	28	357	97	193.5	17.2	0	320	95	163.7	16.2	14	338	96	57.7	210
STEYER	1063 - 3000GT	133.6	14.0	52	332	98	173.7	18.5	3	331	98	153.7	16.3	27	332	98	57.0	210
SEED CONSULTANTS	SCS 1070	155.1	14.7	73	340	98	194.3	18.1	9	310	99	174.7	16.4	41	325	98	60.9	205
SEED CONSULTANTS	SCS 10RR69	139.8	14.9	67	342	98	177.4	18.1	0	330	99	158.6	16.5	33	336	98	60.0	210
DAIRYLAND	ST-8208	131.8	15.4	47	336	99	169.4	17.8	0	320	98	150.6	16.6	23	328	99	55.0	210
STEWART SEEDS	6T546	144.7	14.9	47	394	91	186.9	18.5	11	426	98	165.8	16.7	29	410	95	59.7	210
ICORN	106.VT2	150.1	15.0	53	358	95	187.0	18.4	3	330	93	168.5	16.7	28	344	94	59.4	209
DEKALB	DKC57-79	138.1	16.1	27	324	99	186.5	17.4	2	305	97	162.3	16.8	14	314	98	59.6	207
LG SEEDS	LG 2540	154.7	14.2	47	342	100	173.0	19.5	1	318	95	163.9	16.8	24	330	97	56.7	209
NUTECH	3T-110 VT3	114.2	14.4	97	333	99	187.0	19.3	1	316	93	150.6	16.9	49	324	96	55.2	209
MIDWEST SEED GENETICS	76126VT3	131.3	14.9	77	385	98	187.8	18.9	7	353	96	159.5	16.9	42	369	97	59.0	210
DAIRYLAND	ST-6006	123.7	15.0	63	340	99	169.9	18.9	2	327	97	146.8	16.9	33	334	98	57.7	208
MIDWEST SEED GENETICS	75145VT3	138.9	16.7	80	357	97	170.6	17.4	1	309	86	154.8	17.1	41	333	91	58.8	205
MYCOGEN SEEDS	2C598	140.4	14.2	45	300	98	156.4	20.1	1	278	94	148.4	17.1	23	289	96	58.1	210
MIDWEST SEED GENETICS	76174VT3	139.2	17.0	36	349	96	186.1	17.2	5	307	95	162.7	17.1	21	328	95	58.1	208
G2 GENETICS	5H-906 RR/HX	164.1	15.4	6	340	97	200.3	19.0	0	322	95	182.2	17.2	3	331	96	61.4	207
PIONEER	35K04	153.4	16.6	57	372	98	200.0	18.1	1	353	99	176.7	17.3	29	363	99	62.5	207
NUTECH	5X-008 RR/HXT	150.5	15.6	18	365	96	171.8	19.1	28	347	100	161.2	17.4	23	356	98	57.8	210
GRIES SEED FARM	YP 8603R	142.3	16.6	39	294	96	167.9	18.3	2	259	91	155.1	17.4	20	276	93	60.0	209
GRO-MOR	5670	148.1	15.5	57	314	92	171.5	19.4	8	271	86	159.8	17.4	32	292	89	56.4	208
NUTECH	3C-408 RR/YGCB	139.8	16.3	64	323	97	191.5	18.7	2	313	96	165.6	17.5	33	318	96	59.5	209
RUPP	XR 8056vt	145.9	14.8	47	303	98	178.2	20.4	1	272	92	162.1	17.6	24	287	95	55.9	209
NUTECH	3P-708 RR/YGPL	130.7	16.0	77	315	95	179.6	19.4	2	310	96	155.2	17.7	40	312	96	58.0	209
SEED CONSULTANTS	SCS 10H78	144.1	17.1	30	328	95	174.7	18.3	1	310	97	159.4	17.7	15	319	96	60.6	212
STEWART SEEDS	7T668	142.5	16.3	63	386	98	194.8	19.2	21	359	93	168.7	17.7	42	372	95	58.9	206
EBBERTS	2808 VT3	119.4	15.7	78	338	95	169.9	19.8	1	323	97	144.7	17.8	40	331	96	55.7	211
CROW S	4355	134.4	15.5	90	374	94	189.3	20.0	21	353	95	161.9	17.8	56	363	95	57.1	210
G2 GENETICS	5H-506 RR/HX	165.3	16.0	21	328	97	169.7	19.7	0	298	93	167.5	17.9	10	313	95	58.5	206
G2 GENETICS	5H-508 RR/HX	155.7	15.5	11	310	93	174.5	20.5	1	279	88	165.1	18.0	6	295	90	60.1	208
SEED CONSULTANTS	SC 10VTT58	142.6	16.2	28	323	94	191.6	20.2	1	269	82	167.1	18.2	15	296	88	56.6	209
MIDWEST SEED GENETICS	76485VT3	148.3	16.0	57	359	97	190.7	20.5	2	337	97	169.5	18.2	29	348	97	57.4	210
SEED CONSULTANTS	SCS 10RR59	141.1	17.3	36	346	98	167.0	19.2	0	307	92	154.0	18.3	18	327	95	62.0	206
NUTECH	3T-209 VT3	137.1	17.7	83	332	96	176.1	18.8	2	313	96	156.6	18.3	43	322	96	58.3	209
CROW S	4354VT3	151.1	16.3	67	371	98	182.5	20.7	46	345	99	166.8	18.5	56	358	99	57.0	209
SELECT SEED HYBRIDS	308	118.2	16.6	100	335	97	180.2	20.6	5	326	98	149.2	18.6	53	330	98	56.3	210
NUTECH	3T-409 VT3	142.5	17.3	57	316	92	176.2	19.9	26	315	97	159.3	18.6	41	316	95	57.9	210
NUTECH	3T-310B VT3	130.3	16.2	87	344	97	184.1	21.0	1	321	93	157.2	18.6	44	332	95	55.9	210
NUTECH	3T-710 VT3	149.3	17.4	95	347	99	170.7	19.8	29	340	96	160.0	18.6	62	344	98	57.0	209
SEED CONSULTANTS	SCS 11RR19	143.2	17.3	50	332	92	181.9	20.0	1	300	89	162.6	18.7	25	316	91	61.3	207
NUTECH	3T-310A VT3	128.7	16.3	47	350	98	178.9	21.1	25	317	96	153.8	18.7	36	334	97	56.0	210
NUTECH	3T-208 VT3	152.9	16.0	12	335	98	190.3	21.4	3	320	94	171.6	18.7	7	328	96	58.3	209
RUPP	XR 1791	143.3	18.6	37	289	97	188.7	19.0	4	276	95	166.0	18.8	20	282	96	60.5	209
NUTECH	3T-510 VT3	156.0	17.2	35	352	99	184.4	20.6	0	339	97	170.2	18.9	18	345	98	59.0	203
ICORN	109.5VT3	153.7	16.7	77	345	98	186.5	21.3	4	328	96	170.1	19.0	40	337	97	57.3	208
DYNA-GRO	V4883VT3	113.1	17.8	93	347	100	186.3	20.7	2	305	94	149.7	19.2	48	326	97	57.9	210
SEED CONSULTANTS	SCS 10RR49	139.3	18.9	17	328	95	167.0	19.7	3	295	88	153.2	19.3	10	311	92	60.9	208
BECK	5244VT3	118.8	18.1	70	357	98	181.3	20.7	3	337	97	150.1	19.4	37	347	98	58.1	210
STEWART SEEDS	7K285	126.3	18.3	80	336	96	180.1	20.6	2	318	97	153.2	19.5	41	327	97	59.1	209
SEED CONSULTANTS	SC 10MT87	136.1	17.4	83	350	99	186.9	21.6	1	317	88	161.5	19.5	42	334	93	56.0	210
CAMPBELL SEED	65-76VT3	134.5	18.5	57	346	97	191.2	21.0	8	328	96	162.9	19.8	32	337	96	57.3	209
NUTECH	3T-808 VT3	112.5	20.4	73	338	99	193.8	22.3	7	310	98	153.1	21.3	40	324	99	57.4	210
RUPP	XR 1634	163.3	15.3	5	300	96	SEVERE ANIMAL DAMAGE					SEVERE ANIMAL DAMAGE						
HIGH		165.3	20.4	100	394	100	207.8	22.3	80	426	100	182.6	21.3	73	410	99	62.5	212
AVERAGE		139.1	15.7	56	340	97	179.8	18.9	9	318	95	159.2	17.3	33	329	96	58.3	209
LOW		112.5	12.8	5	289	89	155.8	15.3	0	259	82	141.5	14.8	3	276	88	55.0	203
LSD .05		17.6	2.2	41	20	5	22.5	1.7	27	23	5	20.4	2.0	36	21	6	2.0	2

SOIL TYPE	HOYTVILLE CLAY	BLOUNT SILT LOAM
PREVIOUS CROP	SOYBEANS	SOYBEANS
PLANTING /HARVEST DATES	MAY 22 / OCT. 20, 2008	MAY 23 / OCT. 30, 2008
TILLAGE	STALE SEEDBED	MINIMUM -TILL
FERTILIZER (N,P,K)	210, 40, 40	200, 40, 40
COOPERATOR	MATT DAVIS, OARDC	LARRY ROSS FARM
COUNTY	WOOD	WYANDOT

TABLE 3L. Performance of hybrids in the full season trial. NORTHWESTERN Ohio, 2008.

		HOYTVILLE					UPPER SANDUSKY					SUMMARY					CHARACTERISTICS	
BRAND	HYBRID	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	SILK
		BU/A	-------%-------		100/A	--%--	BU/A	-------%-------		100/A	--%--	BU/A	-------%-------		100/A	--%--	LBS	DAY
ICORN	110.RWBR5	131.4	14.7	93	338	94	153.4	17.7	20	313	96	142.4	16.2	57	326	95	55.6	209
BO-JAC	9457	145.0	13.5	70	335	97	191.8	19.2	1	306	97	168.4	16.3	36	321	97	53.4	210
BIRD HYBRIDS	B644	117.2	14.2	70	300	92	167.7	18.6	3	267	86	142.5	16.4	37	284	89	56.5	210
LG SEEDS	LG 2552VT3	123.3	13.8	63	322	97	198.9	19.3	1	295	98	161.1	16.5	32	308	97	54.9	207
G2 GENETICS	5H-011 RR/HX	148.2	14.9	17	346	99	176.6	18.3	28	311	93	162.4	16.6	22	328	96	61.3	208
WELLMAN SEEDS	W 2709VT3	115.8	15.4	93	334	99	170.3	17.9	32	324	96	143.1	16.6	63	329	97	55.7	213
BO-JAC	9379	147.5	15.2	36	341	94	174.5	18.4	2	322	95	161.0	16.8	19	331	94	58.1	209
CROW S	4799VT3	125.5	14.9	87	315	93	189.5	18.9	8	298	98	157.5	16.9	47	306	96	58.8	209
ICORN	112.VT3	131.1	15.1	90	331	100	176.7	19.0	15	312	97	153.9	17.0	53	321	98	57.4	208
DYNA-GRO	57V98	139.3	15.4	97	349	97	173.1	18.6	7	317	97	156.2	17.0	52	333	97	58.0	210
STEWART SEEDS	8T339	132.1	15.2	93	365	99	174.8	19.0	8	340	93	153.4	17.1	51	353	96	57.1	210
MYCOGEN SEEDS	2J669	160.9	14.8	42	321	100	162.4	19.5	6	328	98	161.7	17.2	24	324	99	57.6	208
DEKALB	DKC63-42	132.7	14.8	67	331	99	181.8	19.6	2	309	98	157.3	17.2	34	320	98	56.9	208
LG SEEDS	LG 2555VT3	131.5	14.4	80	376	98	184.1	19.9	7	318	97	157.8	17.2	43	347	97	54.0	211
DEKALB	DKC61-69	138.9	16.1	93	319	98	176.3	18.4	5	308	97	157.6	17.2	49	313	97	58.0	207
CROW S	4726Y	123.8	15.1	87	337	94	193.5	19.6	5	294	95	158.7	17.4	46	315	94	58.6	209
SEED CONSULTANTS	SC 10MT97	107.7	15.6	93	345	95	165.7	19.2	7	308	91	136.7	17.4	50	327	93	55.6	210
BECK	Ex 0842VT3	125.0	13.8	70	333	97	185.0	21.3	2	303	97	155.0	17.6	36	318	97	55.9	209
G2 GENETICS	3A-513 RR	140.9	14.9	34	321	97	165.4	20.5	2	274	92	153.2	17.7	18	298	94	59.4	207
EBBERTS	2909 VT3	118.0	14.2	87	338	98	177.7	21.2	20	309	92	147.8	17.7	53	324	95	55.7	209
STEWART SEEDS	7T630	146.8	15.7	87	366	99	173.0	20.0	8	338	99	159.9	17.8	47	352	99	57.8	207
WELLMAN SEEDS	W 2511VT3	115.8	16.1	90	340	99	195.2	19.6	10	315	97	155.5	17.9	50	327	98	57.2	209
MIDWEST SEED GENETICS	76996VT3	118.0	15.3	77	326	95	172.1	20.5	4	287	91	145.0	17.9	40	306	93	57.8	209
SEED CONSULTANTS	SCS 11RR09	141.7	15.1	34	347	96	165.4	20.7	7	291	88	153.5	17.9	21	319	92	61.3	206
GRO-MOR	6611 Bt/LL	140.5	15.0	83	321	93	184.7	21.0	7	271	88	162.6	18.0	45	296	90	54.7	206
CROW S	4688VT3	139.9	16.0	57	342	92	167.5	20.0	0	323	97	153.7	18.0	28	332	95	56.4	211
G2 GENETICS	1H-911 HX/LL	133.5	16.4	44	341	94	174.9	19.6	2	300	91	154.2	18.0	23	320	92	60.1	214
STEWART SEEDS	8T755	131.1	16.9	97	342	96	190.5	19.2	6	320	94	160.8	18.0	52	331	95	56.8	208
MIDWEST SEED GENETICS	76865VT3	135.0	15.6	87	346	98	179.4	20.4	4	338	99	157.2	18.0	45	342	98	56.4	211
DYNA-GRO	57V43	111.2	15.2	80	356	98	167.0	20.9	2	308	97	139.1	18.0	41	332	98	55.5	210
CROW S	4822B	133.1	15.8	90	340	100	179.9	20.3	4	300	95	156.5	18.1	47	320	98	55.8	209
DEKALB	DKC60-51	146.3	16.4	63	345	98	172.3	19.9	4	316	93	159.3	18.2	34	331	96	59.4	209
RUPP	XR 8045vt	131.6	15.7	97	297	99	178.7	20.8	17	279	97	155.2	18.2	57	288	98	56.3	209
ICORN	111.6VT3	161.7	16.6	60	361	96	187.9	19.9	2	327	94	174.8	18.2	31	344	95	58.2	208
SEED CONSULTANTS	SC 11VTT16	123.2	16.3	77	352	99	166.4	20.2	0	300	92	144.8	18.3	39	326	95	58.4	210
NUTECH	3T-311 VT3	128.6	17.0	77	321	96	176.3	19.6	7	294	97	152.4	18.3	42	308	97	57.7	207
MIDWEST SEED GENETICS	77012B	130.1	16.0	73	317	98	182.6	20.6	7	278	96	156.4	18.3	40	298	97	56.2	209
BIRD HYBRIDS	B755	133.0	15.6	87	311	98	180.4	21.0	29	292	98	156.7	18.3	58	301	98	55.9	209
WELLMAN SEEDS	W 2810VT3	120.3	16.4	60	318	96	185.4	20.3	5	314	97	152.9	18.3	32	316	96	56.5	211
STEWART SEEDS	7K456	137.9	16.4	97	343	96	169.2	20.4	2	313	97	153.6	18.4	49	328	96	56.7	209
RUPP	XR 8015vt	137.5	15.6	73	304	98	172.3	21.2	2	301	95	154.9	18.4	38	303	97	55.6	209
SEED CONSULTANTS	SC 11YP07	139.2	15.5	97	329	96	184.4	21.3	7	319	97	161.8	18.4	52	324	97	55.9	208
STEYER	11002 - 3000GT	153.0	15.2	67	342	99	191.5	21.6	1	311	99	172.2	18.4	34	327	99	54.5	207
DEKALB	RX674VT3	158.4	15.4	57	322	97	190.6	21.6	5	309	99	174.5	18.5	31	316	98	57.7	207
MIDWEST SEED GENETICS	76804Y	131.7	15.5	87	335	98	180.5	21.5	0	313	96	156.1	18.5	44	324	97	57.4	208
ICORN	110.RWBR7	100.1	16.0	100	339	98	174.9	21.2	4	310	96	137.5	18.6	52	325	97	56.4	208
DYNA-GRO	V5383VT3	123.8	16.1	100	355	97	170.2	21.2	30	333	96	147.0	18.6	65	344	97	56.9	211
CAMPBELL SEED	673-86VT3	124.8	17.1	93	342	99	174.3	20.4	3	309	96	149.6	18.7	48	326	97	57.1	209
SEED CONSULTANTS	SC 11VTT18A	141.2	16.2	80	325	95	191.1	21.3	3	304	90	166.2	18.7	42	314	92	58.6	210
EBBERTS	2711 HX QUAD	145.6	15.7	80	325	97	188.4	22.0	7	310	97	167.0	18.8	43	317	97	55.0	208
CAMPBELL SEED	682-76VT3	147.3	16.4	73	340	100	186.7	21.4	27	321	100	167.0	18.9	50	331	100	57.4	208
BIRD HYBRIDS	B663HXT	144.2	15.8	57	329	95	185.6	22.0	37	332	98	164.9	18.9	47	331	97	56.3	210
DEKALB	DKC61-19	149.5	16.5	27	316	98	204.0	21.5	0	313	100	176.7	19.0	14	315	99	57.8	210
G2 GENETICS	1X-911 HXT/LL	144.9	17.6	40	318	96	192.6	20.5	7	297	96	168.7	19.0	23	307	96	59.6	210
BECK	5335RRJ*	148.6	16.6	49	316	92	158.8	21.5	0	284	89	153.7	19.1	24	300	90	61.3	209
BECK	5444VT3	115.3	16.0	100	353	98	155.5	22.1	1	309	95	135.4	19.1	51	331	97	54.7	210
DAIRYLAND	ST-6114	126.7	16.3	90	337	97	173.7	21.9	1	344	99	150.2	19.1	45	341	98	56.9	213
DEKALB	DKC61-37	146.1	16.3	53	295	94	190.5	21.9	1	282	91	168.3	19.1	27	289	92	57.0	208
PIONEER	33W84	151.5	17.1	50	331	95	177.2	21.3	0	307	95	164.3	19.2	25	319	95	60.0	210
G2 GENETICS	5H-212 RR/HX	145.0	17.1	60	328	94	172.2	21.5	23	300	93	158.6	19.3	42	314	94	59.6	214
NUTECH	3U-313 VTRR	122.1	16.3	77	356	97	179.8	22.3	7	320	95	151.0	19.3	42	338	96	56.3	210
STEWART SEEDS	7T231	131.1	16.6	60	350	95	171.2	22.2	2	312	93	151.1	19.4	31	331	94	55.6	211
EBBERTS	2711	126.2	15.4	85	326	97	180.8	23.6	2	317	97	153.5	19.5	44	321	97	54.7	209
BECK	5555VT3	118.5	16.0	83	343	95	181.3	23.1	3	314	93	149.9	19.5	43	329	94	56.4	210
ICORN	111.VT9	129.4	17.6	80	374	96	170.8	21.7	16	363	95	150.1	19.6	48	368	96	58.6	210
DEKALB	DKC62-54	161.9	16.7	47	331	97	185.3	22.6	8	285	95	173.6	19.7	27	308	96	58.3	207
STEYER	11001VT3	117.0	16.7	87	326	96	169.8	23.1	4	309	96	143.4	19.9	45	318	96	55.1	210
MYCOGEN SEEDS	2Y737	115.0	17.5	97	344	99	171.3	22.3	24	330	97	143.1	19.9	60	337	98	57.7	213
BIRD HYBRIDS	B74ABTLL	91.4	18.0	83	353	98	157.5	21.8	17	324	96	124.5	19.9	50	339	97	56.5	214
PIONEER	33F88	150.7	18.1	77	351	99	179.3	21.7	17	324	97	165.0	19.9	47	338	98	57.9	213
NUTECH	3U-113 VTRR	104.3	16.2	93	342	96	182.0	23.9	5	314	96	143.2	20.0	49	328	96	56.4	212
DAIRYLAND	ST-9410	163.4	16.9	70	357	98	170.4	23.2	1	331	98	166.9	20.0	35	344	98	57.9	206
MIDWEST SEED GENETICS	78130	126.8	16.3	67	362	96	191.8	23.8	3	314	95	159.3	20.1	35	338	96	56.7	210
DAIRYLAND	ST-9615	130.1	17.6	87	314	95	187.6	22.8	5	294	95	158.9	20.2	46	304	95	54.1	209
STEWART SEEDS	7T765	152.2	17.9	60	354	98	183.2	22.7	3	345	96	167.7	20.3	31	349	97	57.2	210
BECK	5779VT3	135.7	16.8	90	324	98	155.8	23.9	20	293	92	145.8	20.4	55	308	95	56.2	208
SEED CONSULTANTS	SC 11RR28	131.2	16.7	83	344	95	184.7	24.0	9	325	96	157.9	20.4	46	335	96	55.2	213
SEED CONSULTANTS	SC 11HQ08	135.8	17.7	80	342	98	156.1	23.3	1	275	87	146.0	20.5	40	308	92	55.6	211
GREAT LAKES	6272 G3VT3	140.0	17.1	97	300	99	181.7	24.4	4	300	97	160.9	20.8	50	300	98	57.1	208
NUTECH	0C-413 YGCB	148.1	17.7	73	317	97	185.1	23.8	11	285	93	166.6	20.8	42	301	95	55.6	209
NUTECH	3T-912A VT3	152.9	18.4	67	307	95	176.4	23.4	5	289	93	164.6	20.9	36	298	94	57.9	207
STEWART SEEDS	8T266	131.2	17.6	93	381	98	148.3	24.7	0	307	87	139.7	21.1	47	344	92	57.4	211
NUTECH	3T-912 VT3	158.7	19.1	57	320	97	181.5	23.3	0	295	96	170.1	21.2	29	307	96	57.3	208
PIONEER	32T85	145.4	17.3	60	367	100	155.8	25.8	0	331	94	150.6	21.6	30	349	97	57.4	210
WELLMAN SEEDS	W 2912RRCB	155.0	18.3	87	320	98	174.3	25.1	0	306	96	164.7	21.7	43	313	97	55.6	209
NUTECH	3T-415 VT3	142.3	19.1	80	333	98	177.7	24.5	1	294	95	160.0	21.8	40	314	96	53.5	209
BIRD HYBRIDS	B625ABTLL	127.2	20.7	60	328	96	166.8	24.8	1	283	89	147.0	22.8	30	306	92	56.1	214
HIGH		163.4	20.7	100	381	100	204.0	25.8	37	363	100	176.7	22.8	65	368	100	61.3	214
AVERAGE		134.6	16.2	75	335	97	177.1	21.3	7	309	95	155.9	18.7	41	322	96	56.9	209
LOW		91.4	13.5	17	295	92	148.3	17.7	0	267	86	124.5	16.2	14	284	89	53.4	206
LSD .05		19.0	1.6	37	21	5	27.4	2.7	22	31	7	23.2	2.0	27	21	4	2.1	2

SOIL TYPE	HOYTVILLE CLAY	BLOUNT SILT LOAM
PREVIOUS CROP	SOYBEANS	SOYBEANS
PLANTING /HARVEST DATES	MAY 22 / OCT. 20, 2008	MAY 23 / OCT. 30, 2008
TILLAGE	STALE SEEDBED	MINIMUM -TILL
FERTILIZER (N,P,K)	210 ,40 ,40	200 ,40 ,40
COOPERATOR	MATT DAVIS, OARDC	LARRY ROSS FARM
COUNTY	WOOD	WYANDOT

TABLE 4. Two year hybrid performance in NORTHWESTERN Ohio, 2007-2008.

		HOYTVILLE					UPPER SANDUSKY					SUMMARY					CHARACTERISTICS	
BRAND	HYBRID	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	SILK
		BU/A	-------%-------		100/A	--%--	BU/A	-------%-------		100/A	--%--	BU/A	-------%-------		100/A	--%--	LBS	DAY
SEED CONSULTANTS	SC 10H27	155.6	14.7	14	336	96	184.9	17.5	3	322	95	170.2	16.1	9	329	95	58.6	206
ICORN	107.VT4	166.6	15.0	17	333	97	209.0	17.5	3	331	95	187.8	16.2	10	332	96	58.1	203
SEED CONSULTANTS	SC 10MT37	151.5	15.3	32	324	90	191.0	17.6	2	292	87	171.3	16.4	17	308	88	59.7	202
RUPP	XR 8024	152.5	15.2	14	310	94	192.6	17.9	2	319	92	172.5	16.6	8	314	93	59.6	204
CROWS	3848VT3	163.0	15.4	28	348	94	207.4	18.3	40	352	97	185.2	16.9	34	350	96	59.5	205
ICORN	106.VT2	166.0	15.7	26	338	94	204.4	18.1	2	341	95	185.2	16.9	14	340	94	59.7	203
STEWART SEEDS	6T546	163.7	15.7	23	353	92	202.3	18.2	6	375	97	183.0	17.0	15	364	95	59.7	204
ICORN	110.RWBR5	152.2	16.0	47	312	92	187.9	18.0	11	294	91	170.1	17.0	29	303	92	57.0	203
DEKALB	DKC57-79	163.9	16.7	13	318	97	211.3	17.7	1	301	96	187.6	17.2	7	309	97	60.1	201
LG SEEDS	LG 2552VT3	156.9	15.5	32	313	97	215.0	19.0	1	298	97	186.0	17.2	16	306	97	55.8	203
DAIRYLAND	ST-6006	158.4	16.1	32	318	95	198.9	18.5	1	304	94	178.6	17.3	16	311	95	58.1	202
GRIES SEED FARM	YP 8603R	155.7	16.8	20	293	94	187.1	18.1	1	270	91	171.4	17.4	10	282	93	59.7	204
ICORN	112.VT3	160.6	16.2	46	328	98	211.2	19.1	8	312	97	185.9	17.6	27	320	97	58.0	204
SEED CONSULTANTS	SC 10MT97	135.8	16.4	47	315	92	192.7	19.0	4	299	92	164.2	17.7	25	307	92	57.0	205
STEWART SEEDS	8T339	160.5	16.3	47	339	98	210.6	19.5	4	329	96	185.6	17.9	25	334	97	58.1	204
DEKALB	DKC63-42	164.6	16.3	33	325	98	219.2	19.7	1	309	99	191.9	18.0	17	317	98	57.3	203
GRO-MOR	5670	165.8	16.7	28	311	91	205.3	19.5	4	296	90	185.6	18.1	16	304	91	56.8	205
NUTECH	3T-310A VT3	157.1	17.0	24	334	94	215.5	19.9	13	322	96	186.3	18.4	18	328	95	57.1	205
BECK	5444VT3	157.0	16.5	50	341	98	198.4	20.4	1	310	96	177.7	18.4	25	326	97	56.5	204
SEED CONSULTANTS	SC 11VTT16	154.2	17.2	39	324	95	193.3	20.1	0	303	93	173.8	18.7	19	314	94	59.0	204
SEED CONSULTANTS	SC 10MT87	159.1	17.5	42	323	95	210.6	20.3	0	296	89	184.8	18.9	21	310	92	57.2	205
STEWART SEEDS	7K456	155.9	17.9	48	320	94	189.8	20.2	1	289	91	172.8	19.0	25	304	92	57.8	204
ICORN	110.RWBR7	137.8	17.5	50	321	96	202.1	20.6	2	307	95	170.0	19.0	26	314	95	57.7	203
BECK	5244VT3	154.7	18.2	43	340	95	207.0	19.9	4	337	97	180.8	19.1	23	338	96	58.9	205
STEWART SEEDS	7K285	159.4	18.3	40	325	97	202.7	19.8	1	314	96	181.1	19.1	20	320	97	60.0	204
ICORN	111.VT9	153.7	18.1	40	347	97	202.7	21.0	8	343	96	178.2	19.6	24	345	97	58.5	204
BIRD HYBRIDS	B74ABTLL	142.7	18.9	42	326	97	182.1	20.8	9	302	91	162.4	19.9	25	314	94	57.1	208
DAIRYLAND	ST-9615	160.9	19.9	43	300	93	209.8	21.9	3	281	92	185.3	20.9	23	291	93	54.9	204
RUPP	XR 1634	172.2	15.8	2	293	95	SEVERE ANIMAL DAMAGE					SEVERE ANIMAL DAMAGE						
HIGH		172.2	19.9	50	353	98	219.2	21.9	40	375	99	191.9	20.9	34	364	98	60.1	208
AVERAGE		157.2	16.6	33	324	95	201.6	19.2	5	312	94	179.1	17.9	20	319	95	58.1	204
LOW		135.8	14.7	2	293	90	182.1	17.5	0	270	87	162.4	16.1	7	282	88	54.9	201

TABLE 5. Three year hybrid performance in NORTHWESTERN Ohio, 2006-2008.

		HOYTVILLE					UPPER SANDUSKY					SUMMARY					CHARACTERISTICS	
BRAND	HYBRID	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	SILK
		BU/A	-------%-------		100/A	--%--	BU/A	-------%-------		100/A	--%--	BU/A	-------%-------		100/A	--%--	LBS	DAY
SEED CONSULTANTS	SC 10H27	155.6	15.5	11	332	96	177.4	18.4	5	320	96	166.5	17.0	8	326	96	58.0	204
DAIRYLAND	ST-6006	158.7	16.5	23	319	95	190.6	18.7	1	309	96	174.6	17.6	12	314	96	57.6	200
RUPP	XR 8024	155.9	16.4	11	306	94	185.4	18.9	3	309	93	170.6	17.6	7	308	93	59.2	202
DEKALB	DKC57-79	162.3	17.1	10	315	98	204.6	18.2	2	308	96	183.5	17.6	6	312	97	59.7	200
GRO-MOR	5670	169.5	17.2	20	309	93	199.8	19.7	3	306	92	184.6	18.5	12	307	93	56.2	202
SEED CONSULTANTS	SC 10MT87	160.9	17.5	29	311	94	206.6	20.5	1	295	91	183.7	19.0	15	303	92	57.1	203
HIGH		169.5	17.5	29	332	98	206.6	20.5	5	320	96	184.6	19.0	15	326	97	59.7	204
AVERAGE		160.5	16.7	17	315	95	194.1	19.1	2	308	94	177.3	17.9	10	312	94	58.0	202
LOW		155.6	15.5	10	306	93	177.4	18.2	1	295	91	166.5	17.0	6	303	92	56.2	200

TABLE 6E. Performance of hybrids in the early maturity trial. NORTH CENTRAL AND NORTHEASTERN Ohio, 2008.

		BUCYRUS					WOOSTER					BELIOT					SUMMARY					CHARACTERISTICS	
BRAND	HYBRID	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	SILK
		BU/A	-------%-------		100/A	--%--	BU/A	-------%-------		100/A	--%--	BU/A	-------%-------		100/A	--%--	BU/A	-------%-------		100/A	--%--	LBS	DAY
RUPP	XR 8002vt	195.5	15.4	3	325	97	190.8	13.6	5	314	98	182.6	15.5	3	316	98	189.6	14.8	4	318	98	57.2	209
DEKALB	DKC53-17	201.8	17.3	31	326	98	172.6	15.2	2	309	98	187.1	17.8	1	317	99	187.2	16.8	11	317	98	58.9	206
DEKALB	DKC54-49	212.7	18.1	30	304	97	194.7	15.9	5	309	99	188.1	17.8	1	312	97	198.5	17.2	12	308	98	59.2	207
DEKALB	DKC55-24	207.7	18.0	0	290	94	192.5	15.6	2	278	95	168.5	18.3	28	288	95	189.6	17.3	10	286	95	58.2	210
GREAT LAKES	GL5416 G3VT3	231.6	19.2	34	306	96	204.6	16.3	11	301	97	196.2	17.7	0	287	96	210.8	17.7	15	298	96	57.6	206
LG SEEDS	LG 2532VT3	232.4	18.8	4	314	97	181.3	15.8	4	305	99	188.7	18.7	2	294	97	200.8	17.8	3	304	98	57.7	206
CAMPBELL SEED	591-76VT3	196.2	18.7	17	323	96	183.2	15.9	10	305	99	192.5	18.8	1	345	97	190.6	17.8	9	325	97	55.7	209
CROW S	3626VT3	223.5	19.9	21	345	97	186.9	15.7	6	349	99	195.2	18.2	2	342	98	201.8	17.9	10	345	98	57.8	208
STEWART SEEDS	6T672	180.6	19.2	37	390	99	172.1	15.9	19	360	99	205.5	18.9	2	376	99	186.1	18.0	19	375	99	55.6	211
DAIRYLAND	ST-4006	220.8	19.0	18	327	98	174.6	16.0	2	305	94	192.8	19.1	0	325	99	196.1	18.0	7	319	97	57.0	210
DEKALB	DKC57-79	200.8	16.7	15	306	97	185.9	16.1	7	299	99	175.0	21.6	0	297	95	187.2	18.1	7	301	97	57.7	208
ICORN	107.VT4	201.0	19.2	7	325	97	187.8	15.9	24	312	96	174.7	19.3	1	303	94	187.8	18.2	11	313	95	55.8	210
DAIRYLAND	ST-8404	196.6	20.7	54	326	99	173.5	16.0	2	316	98	192.9	18.3	3	317	99	187.7	18.3	20	320	99	55.4	210
DEKALB	DKC54-20	214.6	19.2	20	317	99	199.0	17.0	4	311	98	213.3	19.0	3	320	99	209.0	18.4	9	316	99	57.8	206
MIDWEST SEED GENETICS	76126VT3	195.2	19.5	97	377	99	172.2	15.6	38	366	100	171.1	20.2	40	351	99	179.5	18.4	58	365	99	56.8	212
DOEBLER'S	552GR	221.8	19.4	17	320	99	188.7	16.8	2	299	99	195.1	19.1	2	300	96	201.9	18.4	7	306	98	56.8	207
RUPP	XR 8075	181.8	18.9	13	294	98	181.5	17.2	2	266	93	188.5	19.4	0	270	91	183.9	18.5	5	277	94	57.9	211
GRIES SEED FARM	YP 6809R	182.5	18.7	87	284	96	154.8	14.8	40	281	97	191.5	22.2	1	262	91	176.3	18.6	43	276	95	54.9	208
SEED CONSULTANTS	SC 10H27	212.7	19.4	56	326	95	154.6	15.3	13	315	95	187.0	21.1	1	301	87	184.8	18.6	24	314	92	56.4	212
BIRD HYBRIDS	B397GT	216.7	19.4	1	301	94	186.6	16.3	10	295	95	170.0	20.2	1	300	94	191.1	18.6	4	299	94	57.0	207
CROW S	3848VT3	196.0	18.5	31	350	98	179.1	16.8	32	362	100	168.0	21.1	21	361	95	181.0	18.8	28	358	98	57.2	213
DAIRYLAND	ST-2205/LL	224.8	18.9	6	301	98	203.3	17.5	1	277	97	189.5	20.0	1	297	97	205.9	18.8	3	292	98	56.2	207
ICORN	103.VT6	212.5	19.6	18	312	98	215.8	16.9	3	304	98	208.6	20.0	6	300	92	212.3	18.8	9	305	96	57.7	205
GRIES SEED FARM	YP 8603R	207.6	18.8	47	261	93	169.5	16.9	1	272	95	170.5	20.9	0	245	87	182.5	18.9	16	259	92	57.3	211
RUPP	XR 1634	190.3	20.5	25	284	94	187.0	16.1	5	266	92	193.6	20.0	5	273	92	190.3	18.9	12	274	92	56.3	206
STEWART SEEDS	7T668	214.3	17.5	3	366	100	197.1	17.7	5	365	98	188.0	22.0	4	366	97	199.8	19.0	4	366	98	56.7	207
MYCOGEN SEEDS	2C598	220.0	20.2	0	295	98	157.7	16.1	8	286	100	186.8	20.8	0	276	97	188.2	19.0	3	285	98	56.9	212
SEED CONSULTANTS	SC 10MT37	200.5	20.3	1	323	91	157.4	16.7	4	318	93	167.6	20.7	0	320	91	175.1	19.2	2	321	92	58.0	209
DOEBLER'S	660BVR	195.0	20.0	32	283	93	151.5	17.4	17	267	91	198.1	20.6	13	266	87	181.5	19.3	21	272	90	54.3	209
ICORN	106.VT2	196.5	19.9	6	353	98	168.0	17.4	16	338	98	194.0	21.2	1	333	94	186.2	19.5	8	341	97	57.1	212
GRO-MOR	5670	193.1	18.8	50	313	96	163.3	15.8	7	261	85	212.6	24.1	2	295	91	189.7	19.6	20	290	91	54.2	210
SEED CONSULTANTS	SCS 10RR69	231.0	20.3	4	339	98	179.5	15.7	2	322	98	212.8	22.9	1	318	96	207.8	19.6	2	327	97	58.2	210
STEWART SEEDS	6T546	199.2	19.1	26	417	98	180.3	18.2	3	410	99	180.7	21.9	1	373	94	186.7	19.7	10	400	97	56.8	212
SEED CONSULTANTS	SCS 1070	224.5	22.0	17	328	99	184.7	17.3	2	306	98	216.8	20.3	13	312	99	208.6	19.9	11	316	98	58.2	208
DOEBLER'S	634BVR	184.5	20.0	80	329	99	156.9	17.1	11	322	100	191.4	22.5	3	332	98	177.6	19.9	31	328	99	57.3	212
LG SEEDS	LG 2540	225.3	20.1	5	317	93	188.3	17.0	6	314	96	197.5	23.0	0	294	93	203.7	20.0	3	308	94	53.8	211
CAMPBELL SEED	631-76VT3	214.7	20.4	12	321	95	181.1	18.9	18	304	95	196.8	21.2	0	307	93	197.5	20.2	10	311	95	57.0	210
PIONEER	35K04	219.0	21.1	2	360	99	195.2	18.7	22	347	97	195.1	20.8	6	344	96	203.1	20.2	10	350	97	60.1	209
SEED CONSULTANTS	SCS 10RR49	208.4	21.6	5	297	92	180.6	16.8	3	276	91	185.4	22.7	2	278	87	191.5	20.3	4	283	90	59.2	208
STEYER	1063 - 3000GT	216.1	19.5	46	320	96	202.2	18.8	3	320	98	170.8	23.8	1	310	95	196.4	20.7	17	316	96	53.9	212
T. A. SEEDS	TA607-20	207.8	21.1	7	295	97	179.2	15.8	4	282	97	208.2	25.7	1	277	95	198.4	20.9	4	285	97	53.7	211
SEED CONSULTANTS	SCS 10RR59	207.0	20.7	8	322	97	186.8	18.0	1	318	95	189.0	24.7	0	320	97	194.3	21.1	3	320	97	59.0	208
LG SEEDS	LG 2548	223.9	19.5	18	309	96	167.5	16.2	8	312	94	195.8	27.8	0	261	84	195.7	21.2	9	294	92	52.0	213
RUPP	XR 1791	196.7	21.6	3	288	95	186.8	18.7	3	275	98	193.8	24.3	1	272	94	192.4	21.5	2	278	96	57.0	210
STEWART SEEDS	7K285	197.3	19.2	10	317	96	178.9	20.6	8	311	97	183.2	25.4	0	312	95	186.5	21.7	6	314	96	56.7	213
CROW S	4355	213.1	23.0	20	347	98	183.3	17.2	4	342	99	197.3	25.5	10	322	91	197.9	21.9	11	337	96	54.9	210
CROW S	4354VT3	204.1	21.0	68	358	97	194.7	20.4	15	342	95	197.5	24.8	1	344	96	198.8	22.1	28	348	96	55.0	210
SEED CONSULTANTS	SCS 11RR19	190.2	22.8	8	300	91	197.3	18.9	3	292	94	189.6	24.8	3	299	93	192.4	22.2	4	297	93	58.2	208
SEED CONSULTANTS	SCS 10H78	204.1	21.6	31	309	93	190.5	19.6	25	309	97	204.1	25.7	2	315	94	199.6	22.3	19	311	95	56.6	212
SEED CONSULTANTS	SC 10VTT58	203.4	22.2	1	289	88	192.7	20.7	7	282	88	199.6	25.1	0	282	87	198.6	22.7	3	284	88	53.5	210
T. A. SEEDS	TA688-11	189.9	24.1	6	317	98	177.0	20.3	68	315	98	182.1	23.6	6	299	97	183.0	22.7	27	310	98	53.1	209
ICORN	109.5VT3	196.7	22.7	13	312	93	204.1	21.4	50	325	98	209.5	24.2	1	325	96	203.5	22.8	21	320	96	54.7	210
EBBERTS	2808 VT3	201.9	21.7	50	317	93	167.1	20.4	47	312	93	178.9	26.1	31	309	94	182.7	22.8	43	313	94	53.3	211
RUPP	XR 8056vt	204.0	22.5	7	300	97	178.4	20.1	8	299	99	185.5	25.8	1	281	97	189.3	22.8	6	293	98	52.9	212
MIDWEST SEED GENETICS	76485VT3	190.9	23.1	32	354	99	191.1	20.0	64	343	97	211.5	26.0	0	345	99	197.8	23.0	32	347	98	54.5	210
SEED CONSULTANTS	SC 10MT87	218.0	22.9	52	332	96	164.4	21.2	41	333	97	181.8	28.3	7	323	95	188.1	24.2	33	329	96	53.8	214
HIGH		232.4	24.1	97	417	100	215.8	21.4	68	410	100	216.8	28.3	40	376	99	212.3	24.2	58	400	99	60.1	214
AVERAGE		206.2	20.0	23	321	96	181.7	17.3	13	311	96	190.9	21.8	4	309	95	192.9	19.7	14	314	96	56.4	210
LOW		180.6	15.4	0	261	88	151.5	13.6	1	261	85	167.6	15.5	0	245	84	175.1	14.8	2	259	88	52.0	205
LSD .05		24.1	1.6	44	21	4	21.7	1.7	32	18	4	24.6	2.1	14	20	4	20.2	2.2	23	15	3	1.4	2

SOIL TYPE	BLOUNT SILT LOAM	CANFIELD SILT LOAM	FITCHVILLE SILT LOAM
PREVIOUS CROP	SOYBEANS	SOYBEANS	SOYBEANS
PLANTING /HARVEST DATES	MAY 24 / OCT. 31, 2008	MAY 20 / OCT. 23, 2008	MAY 7 / OCT. 24, 2008
TILLAGE	STALE SEEDBED	MINIMUM TILL	CONVENTIONAL
FERTILIZER (N,P,K)	180, 40, 40	200, 40, 40	190, 40, 40
COOPERATOR	CRAWFORD COUNTY EXTENSION	OARDC	B & B FARMS
COUNTY	CRAWFORD	WAYNE	MAHONING

TABLE 6L. Performance of hybrids in the full season trial. NORTH CENTRAL AND NORTHEASTERN Ohio, 2008.

		BUCYRUS					WOOSTER					BELIOT					SUMMARY					CHARACTERISTICS	
BRAND	HYBRID	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	SILK
		BU/A	-------%-------		100/A	--%--	BU/A	-------%-------		100/A	--%--	BU/A	-------%-------		100/A	--%--	BU/A	-------%-------		100/A	--%--	LBS	DAY
SEED CONSULTANTS	SC 10MT97	200.0	21.0	0	326	97	136.7	14.7	54	322	93	199.6	20.8	3	295	90	178.7	18.8	19	314	94	53.9	209
GROWMARK FS	6277VT3	183.6	21.2	8	283	94	132.9	14.2	60	273	94	155.5	23.5	10	259	93	157.3	19.7	26	272	94	53.2	211
CROW S	4799VT3	224.9	21.4	0	299	93	171.2	16.8	7	301	95	202.1	22.1	5	288	91	199.4	20.1	4	296	93	56.4	208
DYNA-GRO	57V98	191.7	20.5	0	289	95	179.0	18.0	3	287	92	188.3	21.9	15	281	92	186.3	20.1	6	286	93	55.9	210
GROWMARK FS	6154VT3	188.2	22.3	0	286	96	157.7	17.2	2	288	95	206.2	22.8	3	282	94	184.0	20.7	2	285	95	57.0	212
MYCOGEN SEEDS	2R693	214.4	22.9	2	283	97	177.0	19.1	4	272	96	193.0	20.3	2	273	99	194.8	20.7	3	276	98	55.8	212
MIDWEST SEED GENETICS	76996VT3	225.6	21.6	10	307	95	192.4	17.6	9	310	97	188.8	23.1	2	297	93	202.3	20.8	7	305	95	55.9	209
LG SEEDS	LG 2552VT3	183.1	23.2	7	301	99	178.5	18.1	6	306	98	202.3	23.4	0	277	99	187.9	21.6	4	295	99	51.5	209
SEED CONSULTANTS	SCS 11RR09	151.6	21.1	0	327	94	178.3	18.9	1	336	97	188.9	24.8	17	309	93	172.9	21.6	6	324	94	58.5	208
EBBERTS	2909 VT3	221.4	23.1	11	327	97	180.1	17.3	38	326	97	201.4	24.6	0	304	95	201.0	21.7	17	319	97	52.9	210
MYCOGEN SEEDS	2M695	196.7	20.8	0	331	98	159.4	19.4	32	350	100	188.8	24.8	3	347	99	181.6	21.7	12	342	99	51.7	213
LG SEEDS	LG 2555VT3	220.1	22.9	7	323	99	179.6	19.6	1	336	98	232.0	23.9	2	286	93	210.6	22.2	3	315	97	51.5	213
SEED CONSULTANTS	SC 11VTT18A	213.3	23.4	1	317	97	164.4	17.8	3	314	95	200.6	25.4	1	299	95	192.8	22.2	2	310	96	55.1	212
CROW S	4822B	181.7	24.4	0	314	98	170.8	17.6	6	317	99	211.8	24.6	2	306	97	188.1	22.2	3	312	98	53.1	211
MIDWEST SEED GENETICS	77012B	202.3	22.9	16	311	97	180.5	20.3	2	312	97	207.3	23.5	3	310	97	196.7	22.2	7	311	97	53.4	212
DEKALB	DKC61-37	207.2	22.3	2	295	95	188.5	20.1	19	292	93	204.6	24.3	8	290	95	200.1	22.2	9	292	95	53.7	208
CAMPBELL SEED	673-86VT3	205.9	23.3	31	320	98	192.5	18.9	3	314	97	215.5	25.2	9	301	98	204.6	22.4	14	312	98	53.3	209
DEKALB	DKC60-51	229.0	21.6	2	314	95	205.8	20.9	6	332	99	196.3	24.9	0	328	99	210.4	22.5	3	325	98	55.8	211
DEKALB	RX674VT3	192.2	24.6	3	292	90	172.6	17.2	3	314	95	204.0	25.8	3	309	97	189.6	22.5	3	305	94	54.4	209
STEWART SEEDS	8T339	224.5	22.1	0	353	98	171.7	18.9	6	355	100	220.0	26.6	5	338	95	205.4	22.5	4	349	98	54.2	212
SEED CONSULTANTS	SC 11VTT16	206.8	22.7	20	337	99	184.0	20.5	4	333	96	185.5	24.4	5	314	99	192.1	22.5	10	328	98	55.2	208
STEYER	11002 - 3000GT	224.2	25.1	46	315	97	193.8	17.7	47	316	96	217.3	25.1	33	300	96	211.8	22.7	42	310	96	52.1	208
ICORN	110.RWBR7	192.0	23.6	2	311	98	158.6	19.2	4	328	99	196.2	25.5	4	314	98	182.3	22.8	3	318	99	53.8	212
EBBERTS	2711	210.8	26.0	4	309	95	156.8	16.7	11	303	96	211.8	26.0	10	298	93	193.1	22.9	8	303	95	52.2	209
STEYER	11001VT3	205.4	23.1	11	320	98	165.8	19.5	18	316	99	187.0	26.2	54	307	98	186.1	22.9	28	314	98	53.2	213
DEKALB	DKC61-19	218.0	24.5	4	301	95	191.8	17.6	1	315	98	212.4	26.8	0	284	94	207.4	23.0	1	300	95	53.9	211
STEWART SEEDS	7T765	209.1	24.4	2	345	96	195.8	19.9	22	365	99	209.3	25.3	3	340	98	204.7	23.2	9	350	98	53.9	208
STEWART SEEDS	7K456	198.4	25.5	2	318	97	161.3	18.0	34	320	95	184.5	26.2	3	305	95	181.4	23.2	13	314	96	53.7	212
DEKALB	DKC61-69	230.2	22.8	17	306	97	186.9	18.3	11	320	99	200.0	28.6	8	307	99	205.7	23.2	12	311	99	54.5	209
PIONEER	33W84	214.2	24.6	0	315	92	192.7	20.2	1	332	97	221.8	25.0	1	309	92	209.6	23.3	1	318	94	57.1	212
SEED CONSULTANTS	SC 11YP07	220.6	24.7	36	325	98	173.1	19.2	8	337	97	186.9	26.0	13	310	94	193.5	23.3	19	324	96	52.9	209
EBBERTS	2711 HX QUAD	228.2	25.7	17	311	95	188.0	17.5	11	304	94	218.2	27.3	12	304	95	211.5	23.5	13	306	95	52.9	209
STEWART SEEDS	7T231	203.9	24.5	0	318	97	174.8	19.5	2	342	98	209.3	26.6	4	306	93	196.0	23.5	2	322	96	53.1	213
GROWMARK FS	EX 7712VT3	212.8	22.4	8	299	95	193.4	21.2	2	290	97	181.9	27.1	11	268	91	196.0	23.6	7	286	94	53.0	213
T. A. SEEDS	TA780-13V	227.2	25.0	20	294	98	141.2	17.0	17	297	98	172.2	28.7	5	278	93	180.2	23.6	14	290	96	52.7	212
STEWART SEEDS	8T755	198.5	24.9	0	331	97	165.3	19.9	3	327	96	209.5	26.6	12	307	95	191.1	23.8	5	322	96	53.2	212
DAIRYLAND	ST-9615	220.6	26.0	0	310	98	162.6	19.3	1	304	97	200.8	26.4	1	282	93	194.7	23.9	1	299	96	52.9	212
CROW S	4726Y	212.1	25.6	8	331	94	196.1	20.8	24	325	95	210.8	25.5	2	311	93	206.4	23.9	11	322	94	54.2	211
CAMPBELL SEED	682-76VT3	225.8	25.6	10	303	98	197.6	20.4	27	311	96	188.6	25.9	4	305	97	204.0	24.0	14	306	97	53.9	208
ICORN	112.VT3	181.0	22.7	0	311	95	166.0	20.8	9	322	99	184.0	28.5	6	312	98	177.0	24.0	5	315	97	53.9	210
DEKALB	DKC62-54	215.0	23.9	1	294	93	207.3	20.8	5	303	98	189.5	27.9	0	299	97	203.9	24.2	2	299	96	55.1	207
MIDWEST SEED GENETICS	76804Y	205.5	24.5	0	307	90	185.2	20.0	23	328	95	211.5	28.1	2	314	93	200.7	24.2	8	316	93	54.4	211
SEED CONSULTANTS	SC 11HQ08	196.2	28.4	6	309	96	153.4	18.2	0	321	97	185.7	26.5	2	316	97	178.4	24.4	3	315	97	53.2	212
DEKALB	DKC63-42	203.6	25.4	9	315	98	185.3	19.8	3	315	96	200.6	28.0	7	293	96	196.5	24.4	6	307	97	53.0	210
ICORN	111.VT9	200.8	25.3	11	362	97	217.9	22.7	39	372	98	190.9	25.7	16	370	98	203.2	24.5	22	368	98	53.6	211
MIDWEST SEED GENETICS	78130	219.6	26.4	3	338	96	184.5	21.9	9	347	99	194.1	25.7	3	339	98	199.4	24.6	5	341	97	53.6	210
GROWMARK FS	6388VT3	202.2	24.0	0	275	95	180.9	22.2	17	278	94	172.3	27.9	5	266	94	185.1	24.7	7	273	94	54.1	210
DAIRYLAND	ST-9313	215.5	25.6	0	294	97	200.0	22.8	2	277	90	187.6	26.0	6	266	91	201.1	24.8	3	279	93	53.5	212
WELLMAN SEEDS	W 2912RRCB	202.7	24.8	0	305	97	194.1	22.1	35	304	95	180.5	28.2	2	278	92	192.4	25.1	13	296	94	53.4	212
GROWMARK FS	6280XRR	203.8	27.0	3	277	92	169.8	18.3	6	284	93	181.9	30.6	3	261	91	185.2	25.3	4	274	92	52.9	213
STEWART SEEDS	7T630	219.2	25.9	10	343	99	178.3	21.0	22	360	100	189.3	29.0	1	331	98	195.6	25.3	11	344	99	54.1	209
PIONEER	33F88	215.3	26.3	5	336	98	176.5	22.4	9	339	98	205.4	28.0	4	323	97	199.1	25.6	6	333	98	54.1	214
STEWART SEEDS	8T266	167.5	26.6	2	343	92	203.6	23.0	26	368	99	192.8	27.6	29	375	97	188.0	25.7	19	362	96	53.6	213
PIONEER	32T85	221.4	28.8	1	348	98	174.9	23.9	2	350	99	171.1	26.7	2	338	98	189.1	26.4	2	345	98	54.6	214
T. A. SEEDS	TA788-11	159.2	29.9	57	282	94	148.6	24.3	90	283	95	160.0	30.5	87	262	92	155.9	28.2	78	276	94	50.1	212
SEED CONSULTANTS	SC 11RR28	187.5	28.2	11	327	96	158.0	23.9	2	321	94	188.1	32.7	3	306	95	177.8	28.3	5	318	95	52.2	215
HIGH		230.2	29.9	57	362	99	217.9	24.3	90	372	100	232.0	32.7	87	375	99	211.8	28.3	78	368	99	58.5	215
AVERAGE		205.9	24.2	8	314	96	177.4	19.5	14	318	97	196.4	25.9	8	303	95	193.2	23.2	10	312	96	53.8	211
LOW		151.6	20.5	0	275	90	132.9	14.2	0	272	90	155.5	20.3	0	259	90	155.9	18.8	1	272	92	50.1	207
LSD .05		33.1	2.6	26	19	4	19.9	2.6	32	18	4	30.9	2.7	20	18	5	22.9	2.4	16	14	3	1.3	2

	BLOUNT SILT LOAM	CANFIELD SILT LOAM	FITCHVILLE SILT LOAM
SOIL TYPE			
PREVIOUS CROP	SOYBEANS	SOYBEANS	SOYBEANS
PLANTING /HARVEST DATES	MAY 24 / OCT. 31, 2008	MAY 20 / OCT. 23, 2008	MAY 7 / OCT. 24, 2008
TILLAGE	STALE SEEDBED	MINIMUM TILL	CONVENTIONAL
FERTILIZER (N,P,K)	180, 40, 40	200, 40, 40	190, 40, 40
COOPERATOR	CRAWFORD COUNTY EXTENSION	OARDC	B & B FARMS
COUNTY	CRAWFORD	WAYNE	MAHONING

TABLE 7. Two year hybrid performance in NORTH CENTRAL AND NORTHEASTERN Ohio, 2007-2008.

		BUCYRUS					WOOSTER					BELOIT					SUMMARY					CHARACTERISTICS	
			HARV	STK	FINAL			HARV	STK	FINAL			HARV	STK	FINAL			HARV	STK	FINAL			
BRAND	HYBRID	YIELD	MST	LDG	STD	EMG	YIELD	MST	LDG	STD	EMG	YIELD	MST	LDG	STD	EMG	YIELD	MST	LDG	STD	EMG	TW	SILK
		BU/A	-------%-------		100/A	--%--	BU/A	-------%-------		100/A	--%--	BU/A	-------%-------		100/A	--%--	BU/A	-------%-------		100/A	--%--	LBS	DAY
DAIRYLAND	ST-4006	235.1	19.4	9	317	98	215.8	18.3	2	308	97	212.9	19.3	0	314	98	221.3	19.0	4	313	97	56.3	203
RUPP	XR 1634	202.3	19.9	13	285	94	209.8	17.8	3	278	94	213.0	19.5	3	275	92	208.4	19.0	7	279	93	55.9	202
ICORN	107.VT4	219.9	19.9	3	329	98	219.5	18.3	13	324	97	204.8	19.4	0	306	93	214.8	19.2	5	320	96	54.7	204
DEKALB	DKC57-79	221.0	18.6	8	313	98	217.0	18.5	3	308	99	207.9	20.9	0	300	96	215.3	19.3	4	307	98	56.9	202
SEED CONSULTANTS	SC 10H27	215.5	20.1	30	326	97	192.5	18.1	7	319	95	206.9	20.3	2	309	90	205.0	19.5	13	318	94	56.1	206
CROW S	3848VT3	218.0	19.4	16	344	99	216.7	18.8	18	363	99	201.9	20.4	13	349	97	212.2	19.5	16	352	98	57.1	205
GRIES SEED FARM	YP 8603R	212.1	20.0	23	276	93	198.4	18.9	1	287	95	194.3	20.3	0	255	87	201.6	19.7	8	273	92	56.9	205
SEED CONSULTANTS	SC 10MT37	209.9	20.6	0	322	92	192.1	18.6	2	316	92	184.0	20.3	0	297	87	195.3	19.8	1	312	90	57.2	203
ICORN	106.VT2	217.9	20.2	3	347	99	206.5	19.2	8	336	99	206.6	20.4	1	330	96	210.4	19.9	4	338	98	56.7	205
STEWART SEEDS	6T546	220.5	19.7	13	371	99	212.1	19.7	1	370	99	201.2	20.5	1	337	95	211.3	20.0	5	359	97	56.5	204
SEED CONSULTANTS	SC 10MT97	214.0	21.3	0	311	96	181.6	17.4	28	306	93	210.8	21.5	1	292	91	202.2	20.1	10	303	93	54.1	205
DOEBLER'S	660BVR	214.9	20.4	16	300	96	201.6	19.3	10	298	94	210.6	20.7	7	288	92	209.1	20.1	11	295	94	53.9	205
CAMPBELL SEED	631-76VT3	219.9	20.6	6	305	94	206.8	19.9	9	301	96	207.2	20.3	0	299	92	211.3	20.2	5	302	94	56.8	203
LG SEEDS	LG 2552VT3	212.7	22.7	3	297	98	217.4	20.1	3	307	98	214.7	23.1	0	286	98	214.9	22.0	2	297	98	51.6	204
STEWART SEEDS	7K285	218.3	20.9	5	313	97	217.1	21.7	4	314	98	207.9	23.6	1	314	95	214.4	22.1	3	314	97	56.8	207
SEED CONSULTANTS	SC 10MT87	233.8	22.2	26	317	96	212.6	22.2	22	315	94	211.3	24.5	4	307	95	219.2	22.9	17	313	95	53.8	207
STEWART SEEDS	8T339	238.8	22.1	0	330	98	218.3	21.8	4	344	99	231.4	25.1	3	318	94	229.5	23.0	2	331	97	54.1	206
ICORN	110.RWBR7	220.0	23.3	1	301	97	201.9	21.4	2	315	98	213.2	24.6	2	290	91	211.7	23.1	2	302	96	53.8	206
SEED CONSULTANTS	SC 11VTT16	220.1	23.6	10	323	98	210.2	22.2	2	323	97	203.3	23.6	3	306	97	211.2	23.1	5	318	98	55.3	205
STEWART SEEDS	7K456	218.4	25.0	1	304	96	200.3	20.9	17	304	94	212.7	24.4	2	295	94	210.5	23.4	7	301	95	53.8	206
ICORN	111.VT9	218.6	24.7	6	341	98	228.5	23.3	19	349	99	198.5	24.5	8	333	97	215.2	24.1	11	341	98	53.3	205
DAIRYLAND	ST-9615	235.4	25.9	0	299	96	197.0	21.8	0	288	94	214.8	25.8	0	274	89	215.7	24.5	0	287	93	52.7	206
DEKALB	DKC63-42	234.7	25.2	5	312	99	226.3	22.6	2	314	97	225.3	26.2	3	302	97	228.8	24.7	3	310	98	53.2	206
HIGH		238.8	25.9	30	371	99	228.5	23.3	28	370	99	231.4	26.2	13	349	98	229.5	24.7	17	359	98	57.2	207
AVERAGE		220.5	21.5	9	317	97	208.7	20.0	8	317	96	208.5	22.1	2	303	94	212.6	21.2	6	312	96	55.1	205
LOW		202.3	18.6	0	276	92	181.6	17.4	0	278	92	184.0	19.3	0	255	87	195.3	19.0	0	273	90	51.6	202

TABLE 8. Three year hybrid performance in NORTH CENTRAL AND NORTHEASTERN Ohio, 2006-2008.

		BUCYRUS					WOOSTER					SUMMARY					CHARACTERISTICS	
			HARV	STK	FINAL			HARV	STK	FINAL			HARV	STK	FINAL			
BRAND	HYBRID	YIELD	MST	LDG	STD	EMG	YIELD	MST	LDG	STD	EMG	YIELD	MST	LDG	STD	EMG	TW	SILK
		BU/A	------%------		100/A	--%--	BU/A	------%------		100/A	--%--	BU/A	------%------		100/A	--%--	LBS	DAY
DEKALB	DKC57-79	200.1	18.8	9	309	98	217.4	19.3	5	309	99	208.7	19.1	7	309	98	57.6	202
SEED CONSULTANTS	SC 10H27	200.4	19.8	29	319	97	195.2	18.6	6	319	95	197.8	19.2	17	319	96	56.7	206
SEED CONSULTANTS	SC 10MT87	212.3	21.4	18	303	95	209.6	22.4	16	304	94	211.0	21.9	17	303	94	54.7	207
HIGH		212.3	21.4	29	319	98	217.4	22.4	16	319	99	211.0	21.9	17	319	98	57.6	207
AVERAGE		204.3	20.0	18	310	96	207.4	20.1	9	311	96	205.8	20.0	14	310	96	56.3	205
LOW		200.1	18.8	9	303	95	195.2	18.6	5	304	94	197.8	19.1	7	303	94	54.7	202

TABLE 9. Combined regional summary of hybrid performance, 2008.

		WESTERN OHIO (5 SITES)							STATEWIDE ALL REGIONS (8 SITES)						
BRAND	HYBRID	YIELD	HARV MST	STK LDG	FINAL STD	EMG	TW	SILK	YIELD	HARV MST	STK LDG	FINAL STD	EMG	TW	SILK
		BU/A	-------%-------		100/A	--%--	LBS	DAY	BU/A	-------%-------		100/A	--%--	LBS	DAY
ICORN	110.RWBR5	172.2	15.3	62	317	93	57.0	204							
LG SEEDS	LG 2540	200.9	15.5	15	320	95	57.3	204	201.8	17.0	11	316	95	56.1	206
ICORN	112.VT3	185.4	15.9	36	314	97	57.4	203	182.6	18.6	26	314	97	56.2	206
SEED CONSULTANTS	SC 10MT97	172.5	15.9	44	320	93	56.9	204	174.6	16.9	36	318	93	55.9	206
SEED CONSULTANTS	SCS 1070	208.3	16.1	31	320	98	60.8	201	208.4	17.3	24	319	98	59.9	203
DEKALB	DKC63-42	196.6	16.1	21	313	97	57.2	203	196.6	18.9	16	311	97	55.8	205
CROWS	4799VT3	195.5	16.2	27	301	94	59.1	204	196.8	17.5	19	299	94	58.2	205
STEWART SEEDS	8T339	187.0	16.3	44	341	96	57.4	205	193.1	18.4	31	344	96	56.4	207
LG SEEDS	LG 2552VT3	202.6	16.3	22	301	96	55.5	202	197.7	18.0	16	299	97	54.2	205
DEKALB	DKC61-69	196.5	16.4	31	309	97	58.0	201	199.6	18.6	24	310	98	56.9	204
RUPP	XR 8015vt	189.9	16.5	24	296	97	56.8	204							
EBBERTS	2808 VT3	193.0	16.5	26	323	95	57.1	205	189.5	18.6	31	320	95	55.9	207
LG SEEDS	LG 2555VT3	201.8	16.5	48	333	96	55.2	205	204.7	18.4	33	327	96	54.0	208
BECK	5444VT3	181.6	16.6	36	324	96	56.5	205							
SEED CONSULTANTS	SCS 10H78	196.9	16.6	14	314	96	60.8	206	197.8	18.5	16	313	96	59.4	208
MYCOGEN SEEDS	2J669	194.7	16.6	24	313	97	57.4	204							
CROWS	4355	207.5	16.7	39	351	95	57.9	204	204.3	18.4	30	346	95	56.9	206
CROWS	4726Y	196.6	16.7	33	314	93	58.6	204	199.9	19.1	26	316	94	57.1	206
SEED CONSULTANTS	SC 10MT87	194.6	16.8	26	327	94	57.1	205	192.4	19.3	28	328	95	56.0	208
MIDWEST SEED GENETICS	76865VT3	200.6	16.8	32	333	96	56.6	205							
SEED CONSULTANTS	SC 11VTT16	183.5	16.9	34	321	95	59.0	205	186.4	18.8	26	324	96	57.8	206
CROWS	4688VT3	197.2	16.9	22	325	95	56.7	206							
MIDWEST SEED GENETICS	76996VT3	194.1	16.9	25	306	94	58.8	204	196.8	18.2	19	306	94	57.8	205
DEKALB	DKC60-51	204.8	16.9	23	324	96	59.7	203	206.6	18.8	16	324	96	58.4	205
RUPP	XR 8045vt	199.4	16.9	55	290	98	57.3	203							
GRO-MOR	5670	195.9	17.0	32	291	90	56.7	204	193.8	17.9	28	290	90	55.8	206
STEWART SEEDS	7K456	193.9	17.0	45	319	96	57.9	204	189.8	19.1	34	318	96	56.5	207
SEED CONSULTANTS	SC 11VTT18A	198.8	17.1	25	313	93	59.2	204	196.8	18.8	17	312	94	57.9	207
CAMPBELL SEED	673-86VT3	193.6	17.1	35	314	97	57.4	204	197.3	18.9	28	313	97	56.0	206
SEED CONSULTANTS	SC 11YP07	197.2	17.2	54	320	95	56.6	202	196.0	19.3	42	321	96	55.3	205
ICORN	111.6VT3	206.4	17.3	22	345	96	58.3	204							
SEED CONSULTANTS	SCS 11RR09	193.2	17.3	13	319	93	61.8	201	186.4	18.7	11	321	93	60.7	203
CROWS	4822B	203.6	17.3	28	315	97	57.0	205	198.5	18.9	19	314	97	55.7	207
RUPP	XR 1791	199.6	17.3	18	284	96	60.7	204	197.2	18.7	13	282	96	59.5	206
STEWART SEEDS	7T630	203.2	17.3	40	345	97	58.1	203	200.7	20.0	30	345	97	56.7	205
DEKALB	DKC61-37	188.8	17.3	24	288	93	56.7	203	192.6	19.0	19	290	94	55.7	205
EBBERTS	2711 HX QUAD	208.5	17.4	36	312	95	55.5	204	209.5	19.4	28	310	95	54.6	205
ICORN	110.RWBR7	187.4	17.4	36	320	96	57.7	203	185.7	19.2	25	320	97	56.4	206
STEWART SEEDS	7T231	191.5	17.4	26	323	94	56.3	205	193.0	19.4	18	322	95	55.2	208
ICORN	109.5VT3	213.8	17.4	29	328	96	58.3	203	210.3	19.2	26	326	96	57.1	206
EBBERTS	2909 VT3	199.6	17.4	50	324	95	57.0	204	200.1	18.8	39	322	95	55.6	206
DYNA-GRO	V5383VT3	194.1	17.5	69	340	97	57.6	206							
MIDWEST SEED GENETICS	76804Y	192.6	17.5	35	319	94	58.2	203	195.3	19.7	26	318	94	56.9	206
STEWART SEEDS	7K285	196.2	17.7	26	317	96	59.9	204	192.9	19.0	20	316	96	58.9	207
MIDWEST SEED GENETICS	77012B	207.4	17.7	23	299	97	57.0	204	203.8	19.2	18	303	97	55.8	207
STEWART SEEDS	8T755	201.3	17.7	40	320	94	57.4	204	197.9	19.8	28	321	95	56.0	206
EBBERTS	2711	200.3	17.7	32	313	95	55.6	203	197.9	19.5	24	310	95	54.5	205
DEKALB	DKC61-19	209.7	17.7	9	305	96	58.0	204	208.9	19.5	6	304	96	56.6	206
BECK	5555VT3	186.9	17.8	51	318	93	57.7	205							
PIONEER	33W84	200.7	18.0	15	318	94	60.3	205	203.6	19.8	10	318	94	59.2	207
CAMPBELL SEED	682-76VT3	209.2	18.1	29	317	99	57.7	203	207.5	20.1	24	314	98	56.5	205
SEED CONSULTANTS	SC 11RR28	180.2	18.2	39	324	94	55.9	208	179.4	21.5	28	322	95	54.7	210
SEED CONSULTANTS	SCS 11RR19	200.6	18.2	14	303	91	62.0	203	197.8	19.5	11	301	92	60.7	204
MYCOGEN SEEDS	2Y737	184.2	18.2	53	328	97	58.6	207							
SEED CONSULTANTS	SC 11HQ08	192.7	18.2	31	314	94	56.9	207	187.9	20.3	22	314	95	55.7	208
BECK	5335RR™*	198.4	18.3	14	299	91	62.1	204							
DEKALB	DKC62-54	206.1	18.3	24	301	95	58.5	201	205.4	20.3	17	300	96	57.4	203
MIDWEST SEED GENETICS	78130	192.4	18.5	23	338	96	57.9	205	194.8	20.5	17	339	96	56.4	206
STEWART SEEDS	7T765	202.4	18.5	19	347	97	57.4	205	203.2	20.0	15	348	97	56.3	206
ICORN	111.VT9	193.0	18.6	41	362	96	58.8	205	196.4	20.6	35	364	96	57.0	207
STEWART SEEDS	8T266	177.7	19.2	41	354	95	58.4	205	181.1	21.4	34	357	95	56.8	208
PIONEER	33F88	199.0	19.3	66	335	97	58.2	207	199.0	21.4	46	334	97	56.9	210
BECK	5779VT3	191.0	19.4	41	304	95	56.4	204							
WELLMAN SEEDS	W 2912RRCB	200.6	19.8	30	305	95	56.5	205	197.9	21.6	24	302	94	55.4	207
PIONEER	32T85	196.3	20.1	39	341	96	58.5	206	193.9	22.2	26	342	97	57.2	208
HIGH		213.8	20.1	69	362	99	62.1	208	210.3	22.2	46	364	98	60.7	210
AVERAGE		196.0	17.3	32	319	95	57.9	204	196.6	19.2	24	319	95	56.7	206
LOW		172.2	15.3	9	284	90	55.2	201	174.6	16.9	6	282	90	54.0	203
LSD .05		13.1	1.3	15	9	2	0.8	2	16.1	1.2	20	11	3	1.1	2

TABLE 10. Performance of hybrids at COSHOCTON, Ohio, 2006-2008.

		2008						TWO YEAR AVERAGES						THREE YEAR AVERAGES					
BRAND	HYBRID	YIELD	HARV MST	STK LDG	FINAL STD	EMG	TW	YIELD	HARV MST	STK LDG	FINAL STD	EMG	TW	YIELD	HARV MST	STK LDG	FINAL STD	EMG	TW
		BU/A	------%------		100/A	--%--	LBS	BU/A	------%------		100/A	--%--	LBS	BU/A	------%------		100/A	--%--	LBS
CAMPBELL SEED	591-76VT3	219.7	16.6	4	286	100	56.8												
GRIES SEED FARM	YP 6809R	198.8	17.2	5	246	96	57.2												
SEED CONSULTANTS	SC 10MT97	218.6	17.4	20	279	93	56.4	224.6	18.6	10	288	93	56.3						
DOEBLER'S	660BVR	218.3	17.7	90	247	89	55.5	241.4	18.7	45	280	94	55.6						
DOEBLER'S	634BVR	199.1	17.7	57	297	99	59.4												
DAUGHERTY	D-304	229.0	17.8	3	274	87	55.8	227.2	18.3	1	296	90	56.0						
CROW S	4688VT3	209.2	17.9	24	298	96	55.2												
CAMPBELL SEED	631-76VT3	197.1	18.0	1	267	93	58.1	210.8	18.4	1	285	94	58.6						
SEED CONSULTANTS	SC 10VTT58	205.3	18.0	11	239	82	56.4												
DAUGHERTY	D-289	226.2	18.2	50	265	89	55.7	228.4	18.7	25	284	90	55.9						
SEED CONSULTANTS	SC 10MT37	215.6	18.2	6	299	93	58.6	217.3	18.7	3	318	93	58.4						
LG SEEDS	LG 2552VT3	216.9	18.2	10	262	97	53.7	231.8	19.1	5	282	96	54.0						
STEWART SEEDS	7T630	225.8	18.4	1	306	99	56.5												
MIDWEST SEED GENETICS	76865VT3	219.9	18.4	12	286	95	54.3												
MIDWEST SEED GENETICS	76804Y	212.9	18.4	16	289	94	57.3												
DEKALB	DKC61-37	212.4	18.6	28	257	96	55.9												
DEKALB	DKC61-19	240.9	18.6	5	268	96	56.8												
SEED CONSULTANTS	SC 11YP07	206.0	18.7	59	285	97	54.3												
LG SEEDS	LG 2555VT3	221.6	18.8	22	290	96	54.0												
PIONEER	35K04	222.0	18.8	8	318	97	60.7												
LG SEEDS	LG 2620VT3	246.9	18.8	70	276	94	55.1												
DAUGHERTY	D-269	208.6	18.8	1	248	91	58.2												
SEED CONSULTANTS	SC 10MT87	212.1	18.8	66	287	96	56.4	232.8	20.1	33	293	95	56.9	233.9	20.5	22	292	95	56.3
DEKALB	DKC60-51	217.0	18.9	21	293	100	57.3												
DEKALB	DKC62-54	226.7	18.9	0	257	92	57.2												
SEED CONSULTANTS	SC 11VTT56	221.3	19.0	85	284	97	57.7												
SEED CONSULTANTS	SC 11VTT16	214.9	19.1	14	284	98	58.1	227.5	20.1	7	296	98	58.4						
STEWART SEEDS	7T668	188.4	19.2	0	307	95	55.1												
SEED CONSULTANTS	SCS 10H78	196.4	19.3	4	277	94	58.9												
DAUGHERTY	D-4565	193.0	19.3	19	282	93	55.5												
SEED CONSULTANTS	SC 11RR28	185.3	19.3	47	288	95	55.9												
STEWART SEEDS	8T339	222.1	19.3	27	324	98	55.7												
DAUGHERTY	D-320	194.4	19.3	2	211	74	56.3	216.3	20.2	1	265	87	57.0	218.0	20.8	1	280	88	56.3
PIONEER	33W84	205.8	19.4	2	279	95	59.9												
STEWART SEEDS	7T765	241.1	19.4	8	315	98	56.6												
SEED CONSULTANTS	SCS 11RR19	207.7	19.5	1	267	95	61.5												
DAUGHERTY	D-364	174.6	19.5	3	244	87	56.6												
SEED CONSULTANTS	SC 11HQ08	206.8	19.5	8	285	96	55.3												
STEWART SEEDS	7K285	216.0	19.6	2	274	94	58.3												
PIONEER	34P94	232.6	19.7	7	298	99	57.5	240.0	20.5	3	308	98	57.3						
CAMPBELL SEED	682-76VT3	202.2	19.8	2	256	98	56.2												
SEED CONSULTANTS	SC 11VTT48	236.4	20.0	10	279	95	53.6												
SEED CONSULTANTS	SC 11CRWRR18	245.0	20.1	2	283	94	57.4												
DEKALB	DKC63-42	204.7	20.1	9	276	96	54.3	229.0	21.0	5	300	98	55.0						
GREAT LAKES	GL6321 G3VT3	200.7	20.4	2	250	90	53.1												
DOEBLER'S	786BVR	211.2	20.6	80	265	97	54.3	230.5	21.7	40	287	98	54.3						
STEWART SEEDS	8T266	242.0	20.7	37	346	100	56.8												
PIONEER	33F88	230.1	21.2	40	296	97	56.1												
CROW S	5291B	212.7	21.6	5	282	91	55.8												
MYCOGEN SEEDS	2T789	209.5	21.9	37	251	94	54.2												
SEED CONSULTANTS	SC 11BR58	218.9	22.9	34	319	98	51.7												
SEED CONSULTANTS	SCS 11H38	210.6	23.0	100	276	97	54.7												
HIGH		246.9	23.0	100	346	100	61.5	241.4	21.7	45	318	98	58.6	233.9	20.8	22	292	95	56.3
AVERAGE		214.4	19.2	23	279	95	56.3	227.5	19.5	14	291	94	56.4	226.0	20.6	11	286	91	56.3
LOW		174.6	16.6	0	211	74	51.7	210.8	18.3	1	265	87	54.0	218.0	20.5	1	280	88	56.3
LSD .05		28.7	1.7	35	21	6	1.4												

SOIL TYPE	NEWARK/LANDES SANDY LOAM
PREVIOUS CROP	SOYBEANS
PLANTING /HARVEST DATES	MAY 7 / NOV. 1, 2008
TILLAGE	CONVENTIONAL
FERTILIZER (N,P,K)	200, 40, 40
COOPERATOR	RIVERVIEW FFA
COUNTY	COSHOCTON

TABLE 11. Seed source, table location, technology traits, and fungicide and insecticide seed treatments for hybrids tested in 2008.

BRAND	SEED SOURCE	HYBRID NO.	---TABLE NO.---	TECHNOLOGY TRAITS*	FUNCICIDE SEED TREATMENT	INSECTICIDE SEED TREATMENT/RATE
BECK	BECK'S HYBRIDS	5244VT3	3E	RR,CB,RW	MaximXL	Poncho 250
	6767 E. 276TH ST.	5335RR™*	1E, 3L, 9	RR	Unknown	Unknown
	ATLANTA, IN 46031	5444VT3	1E, 3L, 9	RR,CB,RW	MaximXL	Poncho 250
	317-984-3508	5555VT3	1E, 3L, 9	RR,CB,RW	MaximXL	Poncho 250
	beckshybrids.com	5608VT3	1L	RR,CB,RW	MaximXL	Poncho 250
		5684VT3	1E	RR,CB,RW	MaximXL	Poncho 250
		5779VT3	1L, 3L, 9	RR,CB,RW	MaximXL	Poncho 250
		6733HXR™*	1L	RR,CB,RW,LL	MaximXL	Poncho 250
		Ex 0842VT3	3L	RR,CB,RW	MaximXL	Poncho 250
		TM* - XL Brand is distributed by Beck's Superior Hybrids, Inc.				
BIO GENE SEEDS	BIO GENE SEEDS	BG 79V08	1E	RR,CB,RW	MaximXL / Trilex	Poncho 250
	5477 TRI-COUNTY HWY.	BG 80V08	1E	RR,CB,RW	MaximXL / Trilex	Poncho 250
	SARDINIA, OH 45171	BG 81V09	1L	RR,CB,RW	MaximXL / Trilex	Poncho 250
	888-862-3276	BG 83V08	1L	RR,CB,RW	MaximXL / Trilex	Poncho 250
	biogeneseeds.com	BG 84V09	1L	RR,CB,RW	MaximXL / Trilex	Poncho 250
BIRD HYBRIDS	BIRD HYBRIDS	B397GT	6E	RR	Trilex	Poncho 250
	3282 E. ST. RT. 18	B625ABTLL	3L	CB,LL	Trilex	Poncho 250
	TIFFIN, OH 44883	B644	3L	NON-GMO	Trilex	Poncho 250
	800-743-2473	B663HXT	3L	CB,RW,LL	Trilex	Poncho 250
	birdhybrids.com	B74ABTLL	3L	CB,LL	Trilex	Poncho 250
		B755	3L	NON-GMO	Trilex	Poncho 250
		B82	1L	NON-GMO	Trilex	Poncho 250
		B835	1L	NON-GMO	Trilex	Poncho 250
BO-JAC	BO-JAC SEED COMPANY	9379	3L	CB,RW,LL	Unknown	Poncho 250
	245 1500th AVENUE	9457	3L	CB,LL	Unknown	Poncho 250
	MT. PULASKI, IL 62548					
	217-792-5001					
	bo-jac.com					
CAMPBELL SEED	CAMPBELL SEED, INC.	591-76VT3	3E, 6E, 10	RR,CB,RW	MaximXL / Trilex	Poncho 250
	1375 N. 800 W.	631-76VT3	6E, 10	RR,CB,RW	MaximXL / Trilex	Poncho 250
	TIPTON, IN 46072	65-76VT3	3E	RR,CB,RW	MaximXL / Trilex	Poncho 250
	317-439-3018	673-86VT3	1L, 3L, 6L, 9	RR,CB,RW	MaximXL / Trilex	Poncho 250
	campbellseed.com	681-76VT3	1L	RR,CB,RW	MaximXL / Trilex	Poncho 250
		682-76VT3	1E, 3L, 6L, 9, 10	RR,CB,RW	MaximXL / Trilex	Poncho 250
		683-76VT3	1L	RR,CB,RW	MaximXL / Trilex	Poncho 250
		69-36VT3	1L	RR,CB,RW	MaximXL / Trilex	Poncho 250
		70-13R2	1L	RR,CB,RW	MaximXL / Trilex	Poncho 250
CROW S HYBRIDS	CROW S HYBRIDS	4355	1E, 3E, 6E, 9	NON-GMO	Unknown	Unknown
	612 E. DUNLOP ST.	3626VT3	6E	RR,CB,RW	Apron / MaximXL / Dynasty	Cruiser 250
	KENTLAND, IN 47951	3848VT3	3E, 6E	RR,CB,RW	Apron / MaximXL / Dynasty	Cruiser 250
	800-331-7201	4224VT3	3E	RR,CB,RW	Apron / MaximXL / Dynasty	Cruiser 250
	crowshybrid.com	4354VT3	3E, 6E	RR,CB,RW	Apron / MaximXL / Dynasty	Cruiser 250
		4688VT3	1E, 3L, 9, 10	RR,CB,RW	Apron / MaximXL / Dynasty	Cruiser 250
		4726Y	1E, 3L, 6L, 9	CB,RW	Apron / MaximXL / Dynasty	Cruiser 250
		4799VT3	1E, 3L, 6L, 9	RR,CB,RW	Apron / MaximXL / Dynasty	Cruiser 250
		4822B	1E, 3L, 6L, 9	CB	Apron / MaximXL / Dynasty	Poncho 250
		5291B	1L, 10	CB	Apron / MaximXL / Dynasty	Cruiser 250
		5304VT3	1L	RR,CB,RW	Apron / MaximXL / Dynasty	Cruiser 250
		5553VT3	1L	RR,CB,RW	Apron / MaximXL / Dynasty	Poncho 250
DAIRYLAND	DAIRYLAND SEED CO., INC.	ST-2205/LL	6E	LL	Captan / Allegiance	Poncho 250
	P.O. BOX 958	ST-4006	6E	RR,RW	Captan / Allegiance	Poncho 250
	WEST BEND, WI 53095	ST-6006	3E	RR	Captan / Allegiance	Poncho 250
	800-236-0163	ST-6114	3L	RR	Captan / Allegiance	Poncho 250
	dairylandseed.com	ST-8208	3E	CB,RW	Captan / Allegiance	Poncho 250
		ST-8404	6E	CB,LL	Captan / Allegiance	Poncho 250
		ST-9313	6L	CB	Captan / Allegiance	Poncho 250
		ST-9410	3L	RR,CB,RW	Captan / Allegiance	Poncho 250
		ST-9615	3L, 6L	RR,CB,RW	Captan / Allegiance	Poncho 250
DAUGHERTY FARMS	DAUGHERTY FARMS	D-269	10	NON-GMO	MaximXL	Unknown
	30927 CR 12	D-289	10	NON-GMO	MaximXL	Unknown
	FRESNO, OH 43824	D-304	10	NON-GMO	MaximXL	Unknown
	740-622-5101	D-320	10	NON-GMO	MaximXL	Unknown
		D-364	10	NON-GMO	MaximXL	Unknown
		D-4565	10	RR	MaximXL	Unknown
DEKALB	MONSANTO COMPANY	DKC53-17	3E, 6E	RR,CB,RW	MaximXL / Trilex	Poncho 250
	800 N. LINDBERGH BLVD.	DKC54-20	3E, 6E	RR,CB,RW	MaximXL / Trilex	Poncho 250
	ST. LOUIS, MO 63167	DKC54-49	3E, 6E	RR,CB,RW	MaximXL / Trilex	Poncho 250
	800-768-6387	DKC55-24	3E, 6E	RR,CB,RW	MaximXL / Dynasty	Poncho 250
	monsanto.com	DKC57-79	3E, 6E	RR,CB,RW	MaximXL / Trilex	Poncho 250
		DKC60-51	1E, 3L, 6L, 9, 10	RR,CB,RW	MaximXL / Trilex	Poncho 250
		DKC61-19	1L, 3L, 6L, 9, 10	RR,CB,RW	MaximXL / Trilex	Poncho 250
		DKC61-37	1L, 3L, 6L, 9, 10	RR,CB	MaximXL / Trilex	Poncho 250
		DKC61-69	1L, 3L, 6L, 9	RR,CB,RW	MaximXL / Trilex	Poncho 250
		DKC62-54	1L, 3L, 6L, 9, 10	RR,CB,RW	MaximXL / Trilex	Poncho 250
		DKC63-42	1L, 3L, 6L, 9, 10	RR,CB,RW	MaximXL / Trilex	Poncho 250
		DKC64-24	1L	RR,CB,RW	MaximXL / Trilex	Poncho 250
		DKC65-63	1L	RR,CB,RW	MaximXL / Trilex	Poncho 250
		DKC66-23	1L	RR,CB	MaximXL / Trilex	Poncho 250
		RX674VT3	3L, 6L	RR,CB,RW	MaximXL / Trilex	Poncho 250
DOEBLER'S	DOEBLER'S INC.	552GR	6E	RR	Captan	Poncho 1250
	202 TIADAGHTON AVE	634BVR	6E, 10	RR,CB,RW	Captan	Poncho 250
	JERSEY SHORE, PA 17740	660BVR	6E, 10	RR,CB,RW	Captan	Poncho 250
	570-753-3210	786BVR	10	RR,CB,RW	Captan	Poncho 250

TABLE 11 (con't). Seed source, table location, technology traits, and fungicide and insecticide seed treatments for hybrids tested in 2008.

BRAND	SEED SOURCE	HYBRID NO.	---TABLE NO.---	TECHNOLOGY TRAITS*	FUNCICIDE SEED TREATMENT	INSECTICIDE SEED TREATMENT/RATE
DYNA-GRO	CROP PRODUCTION SERVICES	57V43	3L	RR,CB,RW	Apron / Maxim / Trilex	Poncho 250
	443 ALLENBY DR	57V44	1L	RR,CB,RW	Trilex	Poncho 250
	MARYSVILLE, OH 43040	57V70	1L	RR,CB,RW	Apron / Maxim / Trilex	Poncho 250
	937-644-9467	57V98	3L, 6L	RR,CB,RW	Apron / Maxim / Trilex	Poncho 250
	cropproductionservices.com	58V72	1L	RR,CB,RW	Trilex	Poncho 250
		V44RP83	3E	RR,CB,RW	Apron / Maxim / Trilex	Poncho 250
		V4883VT3	3E	RR,CB,RW	Apron / Maxim / Trilex	Poncho 250
		V5073VT3	1E	RR,CB,RW	Unknown	Poncho 250
		V5273VT3	1L	RR,CB,RW	Apron / Maxim / Trilex	Poncho 250
		V5383VT3	1L, 3L, 9, 10	RR,CB,RW	Apron / Maxim / Trilex	Poncho 250
EBBERTS	EBBERTS FIELD SEEDS, INC.	2711	1E, 3L, 6L, 9	NON-GMO	Unknown	Unknown
	6840 N. St. Rt. 48	2711 HX QUAD	1L, 3L, 6L, 9	RR,CB,RW,LL	Apron / MaximXL / Trilex	Poncho 250
	COVINGTON, OH 45318	2808 VT3	1E, 3E, 6E, 9	RR,CB,RW	Apron / MaximXL / Trilex	Poncho 250
	888-802-5715	2909 VT3	1E, 3L, 6L, 9	RR,CB,RW	Apron / MaximXL / Trilex	Poncho 250
	ebbertsfieldseeds.com					
G2 GENETICS	G2 GENETICS	1H-005 HX/LL	3E	CB,LL	Dynasty Custom Blend	Poncho 250
	36131 HIGHWAY 69	1H-911 HX/LL	3L	CB,LL	Dynasty Custom Blend	Poncho 250
	FOREST CITY, IA 50436	1X-911 HXT/LL	3L	CB,RW,LL	Dynasty Custom Blend	Poncho 250
	800-942-6748	3A-513 RR	3L	RR	Dynasty Custom Blend	Poncho 250
	yieldleader.com	5H-011 RR/HX	3L	RR,CB,LL	Dynasty Custom Blend	Poncho 250
		5H-212 RR/HX	3L	RR,CB,LL	Dynasty Custom Blend	Poncho 250
		5H-506 RR/HX	3E	RR,CB,LL	Dynasty Custom Blend	Poncho 250
		5H-508 RR/HX	3E	RR,CB,LL	Dynasty Custom Blend	Poncho 250
		5H-906 RR/HX	3E	RR,CB,LL	Dynasty Custom Blend	Poncho 250
GREAT LAKES HYBRIDS	GREAT LAKES HYBRIDS	6272 G3VT3	3L	RR,CB,RW	Apron / Maxim	Poncho 250
	9915 W. M21	GL5416 G3VT3	6E	RR,CB,RW	Unknown	Poncho 250
	OVID, MI 48866	GL6321 G3VT3	10	RR,CB,RW	Unknown	Poncho 250
	800-257-SEED					
	greatlakeshybrids.com					
GRIES SEED	GRIES SEED FARMS, INC.	YP 6809R	3E, 6E, 10	RR,CB,RW	Captan / Allegiance	Poncho 250
	2348 N. FIFTH ST.	YP 8603R	3E, 6E	RR,CB,RW	Unknown	Poncho 250
	FREMONT, OH 43420					
	800-472-4797					
	griesseed.com					
GRO-MOR	LUCKEY FARMERS, INC.	5670	1E, 3E, 6E, 9	NON-GMO	MaximXL	Actellic
	1200 W. MAIN ST.	56L82	3E	LL	Unknown	Unknown
	WOODVILLE, OH 43469	6611 Bt/LL	3L	CB,LL	Unknown	Unknown
	800-589-9711					
	luckeyfarmers.com					
GROWMARK FS	GROWMARK FS, INC.	6154VT3	6L	RR,CB,RW	MaximXL / Trilex	Poncho 250
	308 NE FRONT ST.	6277VT3	6L	RR,CB,RW	MaximXL / Trilex	Poncho 250
	MILFORD, DE 19963	6280XRR	6L	RR,RW	MaximXL / Trilex	Poncho 250
	800-787-2767	6388VT3	6L	RR,CB,RW	MaximXL / Trilex	Poncho 250
	growmarkfs.com	EX 7712VT3	6L	RR,CB,RW	MaximXL / Trilex	Poncho 250
HUBNER SEED	HUBNER SEED	H 5430 VT3	1E	RR,CB,RW	Unknown	Unknown
	6030 GARBER RD.	H 5466 VT3	1E	RR,CB,RW	MaximXL / Trilex	Poncho 250
	DAYTON, OH 45415	H 5582 VT3	1L	RR,CB,RW	MaximXL / Trilex	Poncho 250
	937-313-6179	H 5636 VT3	1L	RR,CB,RW	MaximXL / Trilex	Poncho 250
	hubnerseed.com					
ICORN	ICORN	103.VT6	6E	RR,CB,RW	Unknown	Unknown
	792 N. PERU ST.	106.VT2	3E, 6E	RR,CB,RW	Unknown	Unknown
	CICERO, IN 46034	107.VT4	3E, 6E	RR,CB,RW	Unknown	Unknown
	800-240-0101	109.5VT3	1E, 3E, 6E, 9	RR,CB,RW	Unknown	Unknown
	icorn.com	110.RWBR5	1E, 3L, 9	RR,CB,RW	Unknown	Unknown
		110.RWBR7	1E, 3L, 6L, 9	RR,CB,RW	Unknown	Unknown
		111.6VT3	1L, 3L, 9	RR,CB,RW	Unknown	Unknown
		111.VT9	1L, 3L, 6L, 9	RR,CB,RW	Unknown	Unknown
		112.VT3	1L, 3L, 6L, 9	RR,CB,RW	Unknown	Unknown
LG SEEDS	LG SEEDS	LG 2532VT3	3E, 6E	RR,CB,RW	Apron / MaximXL / Trilex	Poncho 250
	22827 SHISSLER RD.	LG 2540	1E, 3E, 6E, 9	NON-GMO	ApronXL / Maxim / Trilex	Poncho 250
	ELMWOOD, IL 61529	LG 2548	3E, 6E	NON-GMO	Apron / MaximXL / Trilex	Poncho 250
	309-742-2211	LG 2552VT3	1E, 3L, 6L, 9, 10	RR,CB,RW	Apron / MaximXL / Trilex	Poncho 250
	lgseeds.com	LG 2555VT3	1E, 3L, 6L, 9, 10	RR,CB,RW	Apron / MaximXL / Trilex	Poncho 250
		LG 2620VT3	1L, 10	RR,CB,RW	Apron / MaximXL / Trilex	Poncho 250
		LG 2641VT3	1L	RR,CB,RW	Apron / MaximXL / Trilex	Poncho 250
MIDWEST SEED GENETICS	MIDWEST SEED GENETICS	75145VT3	3E	RR,CB,RW	Apron / MaximXL / Dynasty	Cruiser 250
	1617 E. 10TH STREET	76126VT3	3E, 6E	RR,CB,RW	Apron / MaximXL / Dynasty	Cruiser 250
	CARROLL, IA 51401	76174VT3	3E	RR,CB,RW	Apron / MaximXL / Dynasty	Cruiser 250
	800-369-8218	76485VT3	3E, 6E	RR,CB,RW	Apron / MaximXL / Dynasty	Cruiser 250
	midwestseed.com	76804Y	1E, 3L, 6L, 9, 10	CB,RW	Apron / MaximXL / Dynasty	Cruiser 250
		76865VT3	1E, 3L, 9, 10	RR,CB,RW	Apron / MaximXL / Dynasty	Cruiser 250
		76996VT3	1E, 3L, 6L, 9	RR,CB,RW	Apron / MaximXL / Dynasty	Cruiser 250
		77012B	1E, 3L, 6L, 9	CB	Apron / MaximXL / Dynasty	Poncho 250
		78130	1L, 3L, 6L, 9	NON-GMO	Cruser Extreme	Cruiser 250
		80404VT3	1L	RR,CB,RW	Apron / MaximXL / Dynasty	Cruiser 250
		82228VT3	1L	RR,CB,RW	Apron / MaximXL / Dynasty	Cruiser 250
MYCOGEN SEEDS	MYCOGEN SEEDS	2C598	3E, 6E	RR,CB,RW,LL	Apron / MaximXL / Dynasty	Cruiser 250
	9330 ZIONSVILLE RD.	2J669	1E, 3L, 9	CB,RW,LL	Apron / MaximXL / Dynasty	Cruiser 250
	INDIANAPOLIS, IN 46268	2M695	6L	RR,CB,RW,LL	Apron / MaximXL / Dynasty	Cruiser 250
	800-MYCOGEN	2R693	6L	RR,CB,RW,LL	Apron / MaximXL / Dynasty	Cruiser 250
	mycogen.com	2T789	1L, 10	RR,CB,RW,LL	Apron / MaximXL / Dynasty	Cruiser 250
		2Y737	1L, 3L, 9	CB,RW,LL	Apron / MaximXL / Dynasty	Cruiser 250

TABLE 11 (con't). Seed source, table location, technology traits, and fungicide and insecticide seed treatments for hybrids tested in 2008.

BRAND	SEED SOURCE	HYBRID NO.	---TABLE NO.---	TECHNOLOGY TRAITS*	FUNCICIDE SEED TREATMENT	INSECTICIDE SEED TREATMENT/RATE
NUTECH	NUTECH SEED, LLC	0C-413 YGCB	3L	CB	Unknown	Poncho 250
	36131 HIGHWAY 69	3C-408 RR/YGCB	3E	RR,CB	Unknown	Poncho 250
	FOREST CITY, IA 50436	3P-708 RR/YGPL	3E	RR,CB,RW	Unknown	Poncho 250
	800-942-6748	3T-110 VT3	3E	RR,CB,RW	Unknown	Poncho 250
	yieldleader.com	3T-208 VT3	3E	RR,CB,RW	Unknown	Poncho 250
		3T-209 VT3	3E	RR,CB,RW	Unknown	Poncho 250
		3T-310A VT3	3E	RR,CB,RW	Unknown	Cruiser 250
		3T-310B VT3	3E	RR,CB,RW	Unknown	Cruiser 250
		3T-311 VT3	3L	RR,CB,RW	Unknown	Poncho 250
		3T-409 VT3	3E	RR,CB,RW	Unknown	Cruiser 250
		3T-415 VT3	3L	RR,CB,RW	Unknown	Poncho 250
		3T-510 VT3	3E	RR,CB,RW	Unknown	Poncho 250
		3T-710 VT3	3E	RR,CB,RW	Unknown	Poncho 250
		3T-808 VT3	3E	RR,CB,RW	Unknown	Cruiser 250
		3T-912 VT3	3L	RR,CB,RW	Unknown	Poncho 250
		3T-912A VT3	3L	RR,CB,RW	Unknown	Poncho 250
		3U-113 VTRR	3L	RR,RW	Unknown	Poncho 250
		3U-313 VTRR	3L	RR,RW	Unknown	Cruiser 250
		5X-008 RR/HXT	3E	RR,CB,RW,LL	Unknown	Poncho 250
PIONEER	PIONEER HI-BRED INT'L, INC.	32T85	1L, 3L, 6L, 9	RR,CB,RW,LL	MaximXL / Dynasty	Poncho 250
	14171 CAROLE DRIVE	33F88	1L, 3L, 6L, 9, 10	RR,CB,RW,LL	MaximXL / Dynasty	Poncho 250
	BLOOMINGTON, IL 61704	33W84	1L, 3L, 6L, 9, 10	RR,CB,RW,LL	MaximXL / Dynasty	Poncho 250
	309-821-9940	34P94	1L, 10	CB,RW,LL	MaximXL / Dynasty	Poncho 250
	pioneer.com	35K04	3E, 6E, 10	RR,CB,RW,LL	MaximXL / Dynasty	Poncho 250
PORTER HYBRIDS	PORTER HYBRIDS, INC.	4411	1L	RR,CB,RW	Unknown	Unknown
	1683 S.R. 134 NORTH	4512	1L	Unknown	Unknown	Unknown
	WILMINGTON, OH 45177					
	800-368-2676					
RUPP	RUPP SEEDS, INC.	XR 1634	3E, 6E	CL (NON-GMO)	MaximXL / Dynasty	Cruiser 1250
	17919 CO. RD. B	XR 1791	1E, 3E, 6E, 9	NON-GMO	ApronXL / MaximXL	Poncho 250
	WAUSEON, OH 43567	XR 8002vt	6E	RR,CB,RW	MaximXL / Dynasty	Cruiser 250
	877-591-7333	XR 8015vt	1E, 3L, 9	RR,CB,RW	MaximXL / Dynasty	Cruiser 250
	ruppseeds.com	XR 8024	3E	RR,CB,RW	MaximXL / Dynasty	Cruiser 250
		XR 8045vt	1E, 3L, 9	RR,CB,RW	MaximXL / Dynasty	Cruiser 250
		XR 8056vt	3E, 6E	RR,CB,RW	MaximXL / Dynasty	Cruiser 250
		XR 8075	6E	RR,CB,RW,LL	MaximXL / Dynasty	Cruiser 250
SEED CONSULTANTS	SEED CONSULTANTS, INC.	SC 10H27	3E, 6E	CB	Apron / MaximXL / Dynasty	Cruiser 250
	648 MIAMI TRACE RD. SW	SC 10MT37	3E, 6E, 10	RR,CB,RW	Apron / MaximXL / Dynasty	Cruiser 250
	WASHINGTON C. H., OH 43160	SCS 10RR49	3E, 6E	RR	Apron / MaximXL / Dynasty	Cruiser
	800-708-2676	SCS 10RR59	3E, 6E	RR	Apron / MaximXL / Dynasty	Cruiser
	seedconsultants.com	SC 10VTT58	3E, 6E, 10	RR,CB,RW	Apron / MaximXL / Dynasty	Poncho
		SCS 10RR69	3E, 6E	RR	Apron / MaximXL / Dynasty	Cruiser
		SCS 1070	1E, 3E, 6E, 9	NON-GMO	Unknown	Unknown
		SCS 10H78	1E, 3E, 6E, 9, 10	CB	Apron / MaximXL / Dynasty	Cruiser
		SC 10MT87	1E, 3E, 6E, 9, 10	RR,CB,RW	Apron / MaximXL / Dynasty	Cruiser 250
		SC 10MT97	1E, 3L, 6L, 9, 10	RR,CB,RW	Apron / MaximXL / Dynasty	Cruiser 250
		SC 11HQ08	1E, 3L, 6L, 9, 10	RR,CB,RW,LL	Apron / MaximXL / Dynasty	Cruiser 250
		SCS 11RR09	1E, 3L, 6L, 9	RR	Apron / MaximXL / Dynasty	Cruiser
		SC 11YP07	1E, 3L, 6L, 9, 10	CB,RW	Apron / MaximXL / Dynasty	Cruiser
		Exp 11HR15	1L	RR,CB	Apron / MaximXL / Dynasty	Cruiser
		SCS 11RR19	1E, 3E, 6E, 9, 10	RR	Apron / MaximXL / Dynasty	Cruiser
		SC 11VTT16	1L, 3L, 6L, 9, 10	RR,CB,RW	Apron / MaximXL / Dynasty	Cruiser 250
		SC 11VTT18A	1L, 3L, 6L, 9, 10	RR,RW	Apron / MaximXL / Dynasty	Poncho
		SC 11RR28	1L, 3L, 6L, 9, 10	RR	Apron / MaximXL / Dynasty	Cruiser 250
		SCS 1139	1L	NON-GMO	Apron / MaximXL / Dynasty	Cruiser
		SCS 11H38	1L, 10	CB	Apron / MaximXL / Dynasty	Cruiser 250
		SC 11VTT48	1L, 10	RR,CB,RW	Apron / MaximXL / Dynasty	Poncho
		SC 11BR58	1L, 10	RR,CB	Apron / MaximXL / Dynasty	Poncho
		SC 11VTT56	1L, 10	RR,CB,RW	Apron / MaximXL / Dynasty	Cruiser
SELECT SEED HYBRIDS	SELECT SEED HYBRIDS	308	3E	RR,CB,RW	ApronXL / MaximXL	Poncho 250
	277 W. ST. RT. 218	358	1E	RR,CB,RW	ApronXL / MaximXL	Poncho 250
	CAMDEN, IN 46917	449	1E	RR,CB,RW,LL	ApronXL / MaximXL	Poncho 250
	574-686-2743	510	1E	RR,RW	ApronXL / MaximXL	Poncho 250
	selectseed.com	5073VT	1E	CB,RW	ApronXL / MaximXL	Poncho 250
STEWART SEEDS	STEWART SEEDS	6T546	3E, 6E	RR,CB,RW	MaximXL / Trilex	Poncho 250
	2230 E. CO. RD. 300 N.	6T672	3E, 6E	RR,CB,RW	MaximXL / Trilex	Poncho 250
	GREENSBURG, IN 47240	7K285	1E, 3E, 6E, 9, 10	RR,CB,RW	MaximXL / Trilex	Poncho 250
	812-663-6899	7K456	1E, 3L, 6L, 9	RR,CB,RW	MaximXL / Trilex	Poncho 250
	stewartseeds.com	7T231	1E, 3L, 6L, 9	RR,CB,RW	MaximXL / Trilex	Poncho 250
		7T630	1E, 3L, 6L, 9, 10	RR,CB,RW	MaximXL / Trilex	Poncho 250
		7T668	3E, 6E, 10	RR,CB,RW	MaximXL / Trilex	Poncho 250
		7T765	1L, 3L, 6L, 9, 10	RR,CB,RW	MaximXL / Trilex	Poncho 250
		8N354	1L	RR,CB	MaximXL / Trilex	Poncho 250
		8T266	1L, 3L, 6L, 9, 10	RR,CB,RW	MaximXL / Trilex	Poncho 250
		8T339	1L, 3L, 6L, 9, 10	RR,CB,RW	MaximXL / Trilex	Poncho 250
		8T468	1L	RR,CB,RW	MaximXL / Trilex	Poncho 250
		8T755	1L, 3L, 6L, 9	RR,CB,RW	MaximXL / Trilex	Poncho 250
STEYER SEEDS	STEYER SEEDS	1063 - 3000GT	3E, 6E	RR,CB,RW,LL	Apron / Maxim / Trilex	Poncho 250
	6154 N. CO. RD. 33	11001VT3	3L, 6L	RR,CB,RW	Apron / Maxim / Trilex	Poncho 250
	TIFFIN, OH 44883	11002 - 3000GT	3L, 6L	RR,CB,RW,LL	Apron / Maxim / Trilex	Poncho 250
	800-231-4274					
	steyerseeds.com					
T.A. SEEDS	T.A. SEEDS	TA607-20	6E	RR,CB,RW,LL	Apron / Captan / Alleg. / Trilex	Poncho 250
	39 SEEDS LANE	TA688-11	6E	CB,LL	Apron / Captan / Alleg. / Trilex	Poncho 250
	JERSEY SHORE, PA 17740	TA780-13V	6L	RR,CB,RW	Apron / Captan / Alleg. / Trilex	Poncho 250
	866-813-7333	TA788-11	6L	CB,LL	Apron / Captan / Alleg. / Trilex	Poncho 250
	taseeds.com					
UNITY SEEDS	UNITY SEEDS	3312 Hxtra	1L	CB,RW,LL	Unknown	Poncho 250
	3451 WYNDHAM WAY, STE. A	3710 Hxtra RR	1E	RR,CB,RW,LL	Unknown	Poncho 250
	WEST LAFAYETTE, IN 47906	3714 Hxtra RR	1L	RR,CB,RW,LL	Unknown	Poncho 250
	800-338-4558	4116 VT3	1L	RR,CB,RW	Unknown	Poncho 250
	unityseeds.com					
WELLMAN SEEDS	WELLMAN SEEDS, INC.	W 2511VT3	3L	RR,CB,RW	Encase	Poncho 250
	23778 DELPHOS JENNINGS RD.	W 2709VT3	3L	RR,CB,RW	Encase	Poncho 250
	DELPHOS, OH 45833	W 2810VT3	3L	RR,CB,RW	Encase	Poncho 250
	800-717-7333	W 2912RRCB	1L, 3L, 6L, 9	RR,CB	Encase	Poncho 250
	wellmanseeds.com					

2008 Ohio Corn Performance Test — Have triple and quad stacks become the new "conventional" hybrids?

By Peter Thomison, Allen Geyer and Rich Minyo, Ohio State University Extension

"Traited" hybrids (i.e hybrids with 92% of the entries were traited. Of these traited hybrids, 172 hybrids are triple or quad stacks, 27 are double stacks and 23 contain a single trait.

by farmers in Ohio. As recently as 2005, less than 20% of corn acreage in the state was planted to transgenic corn hybrids. However, this year the USDA-Economic

cide tolerant hybrids and 12% to some type of Bt hybrid).

Many corn agronomists in the past used the term "conventional" to characterize hybrids without transgenic traits (non-GMO). However, if conventional also implies commonly grown corn hybrids, it's no longer applicable to non-transgenic hybrids.

In the OCPT summary of hybrids evaluated in western Ohio (five test sites), seven of the top 10 yielding hybrids are triple or quad stacks, and one contains a single trait (Bt corn borer resistance). However, non-transgenic hybrids with high yield potential are available, and two of the top 10 hybrids are non-transgenic. Stacked traits don't ensure high yields. Of the bottom 10 hybrids, eight are triple stacks.

Ohio 2008 soybean aphid summary, 2009 prediction not clear

By Ron Hammond, Andy Michel, Bruce Eisley, Ohio State University Extension

As had been predicted, soybean aphid populations were low to non-existent this past summer in Ohio. A lack of aphids in suction traps and colonies on buckthorn in the fall of 2007 again allowed us to foresee what would happen in 2008.

What about 2009? This next summer will be hard to predict. On one hand, while soybean aphid collections in suction traps during the past summer were extremely low in neighboring states, aphid numbers went up in the fall months as expected. These higher fall collections are the initial sign of something brewing for the following summer. However, there was almost a total lack of aphid colonies on buckthorn in our state during September and October, and we have yet to find our first egg. Although most of our aphids causing economic problems will come from areas to our north, we have always found aphid colonies and eggs in the fall after a low-aphid summer, and preceding a high year. Thus, it is difficult to offer a prediction of what will happen in 2009.

By following aphid development to our north, we hope to be able to give growers at least a few weeks notice if something might occur. As we figure things out, we will let you know as soon as possible.

2008 Ohio Corn Performance Test: An overview

By Peter Thomison, Rich Minyo, Allen Geyer, Bert Bishop and David Lohnes, Ohio State University Extension

In 2008, 242 corn hybrids representing 33 commercial brands were evaluated in the Ohio Corn Performance Test. Testing was conducted in three regions of Ohio — Southwestern/West Central (SW/WC), Northwestern (NW), and North Central/Northeastern (NC/NE) — with three test sites established within each region. Testing also was conducted at Coshocton, an area with high gray leaf spot incidence. Entries in the regional tests were planted in either an early or full season maturity trial. These test sites provided a range of growing conditions and production environments.

Environmental conditions varied greatly across Ohio during the 2008 growing season, especially with regard to the amount and distribution of precipitation. At most test sites, rainfall from planting through the mid to late vegetative stages of corn development was above normal. It was the wettest June on record in many areas of Ohio. Excessively wet soils in May and June limited early season root development and resulted in shallow root systems.

Dry weather conditions persisted from the late vegetative stages through maturity at most sites. Water deficits were especially severe in the Northwestern region, especially at the Hoytville test site. At other test sites, water stress was limited by timely rains and adequate soil moisture.

On Sept. 14, record high winds associated with hurricane Ike caused severe root and stalk lodging at the test sites in SW/WC region and at the Hoytville test site in NW region. Slower than normal crop development in parts of northern Ohio contributed to higher than normal harvest grain moisture at the Beloit and Bucyrus test sites.

Disease and insect pests were not a significant factor at most test sites. However, the western corn rootworm variant was observed for the first time in the hybrid performance trial at South Charleston (which followed soybean) and caused considerable root lodging among hybrids without the Bt rootworm resistance trait.

Although growing conditions were drier than normal during the grain fill period, and stalk and root lodging was greater than normal, excellent yields were recorded at several test sites. Yields, averaged across hybrid entries, exceeded 200 bushels per acre at South Charleston, Washington C.H. and Greenville in the SW/WC region, Bucyrus in the NC/NE region, and Coshocton.

Tables 1 and 2 provide an overview of 2008 hybrid performance in the early maturity and full-season hybrid trials by region.

Averages for grain yield and other measures of agronomic performance are indicated for each region. In addition, the range in test sites averages is shown in parentheses.

Table 1. A regional overview of the early maturity 2008 Ohio Corn Performance Test.

Region	Entries	Grain Yield(Bu/A)	Moisture(%)	Lodging(%)	Emergence(%)	Final Stand(plants/A)	Test Wt.(lbs/bu)
SW/WC	51	235(201-258)	15.8(13.8-18.5)	25(3-82)	95(90-98)	31000(28500-34100)	58.6(56.0-62.9)
NW	69	159(142-183)	17.3(14.8-21.3)	33(3-73)	96(88-98)	32900(27600-41000)	58.3(55.0-62.5)
NE/NC	56	193(175-212)	19.7(14.8-24.2)	14(2-58)	96(88-99)	31400(25900-40000)	56.4(52.0-60.1)

Table 2. A regional overview of the full season 2008 Ohio Corn Performance Test.

SW/WC	67	230(201-250)	17.1(14.7-20.1)	31(3-92)	95(88-98)	31400(26600-36400)	57.9(54.1-60.7)
NW	87	156(125-177)	18.7(16.2-22.8)	41(14-65)	96(89-100)	32200(28400-36800)	56.9(53.4-61.3)
NE/NC	56	193(156-212)	23.2(18.8-28.3)	10(1-78)	96(92-99)	31200(27200-36800)	53.8(50.1-58.5)

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Advanced Genetics Inc.

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Daugherty Farms	740-622-5101	Coshocton
Houck Seed Co.	419-465-4525	Huron
H. W. Martin & Son Co.	740-928-4000	Licking
W. I. Miller & Sons	330-876-6573	Trumbull
Ohigro, Inc.	740-726-2429	Marion
Pond Seed Co.	419-622-6141	Van Wert
R Farm	614-877-4792	Pickaway
Reiterman Seed Farms	740-869-2422	Pickaway
Riker Farm Seed Co.	419-352-0068	Wood
Schwartz Farms	330-637-3388	Trumbull
Steritz Seeds	937-364-2780	Clinton
Steyer Seeds	419-992-4570	Seneca
Utz Seed Farms, Inc.	419-492-2785	Crawford
Leland Walker & Sons Seeds	937-288-2545	Highland
B. F. Walton & Sons Seed Co.	419-927-5222	Wyandot

Advanced Genetics, Inc., P.O. Box 6, Croton, OH 43013
Web site: advancedgeneticsinc.com

Gries Seed Farms, Inc.

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110 Day New in 2008 Rapidly Becoming Our Leading Selling Hybrid

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- Responds to high final populations 30,000+
- Fantastic seedling vigor
- Exceptional standability
- Versatile and well adapted to all soils
- Thick girthy ears that add yield
- Rapid drydown for easy harvest

GFS 4906VT3
New 106 RM Triple Stacked VT technology companion to 4903

- Tremendous yield punch
- Excellent seedling vigor and emergence
- Excellent stalks and roots for secure harvest
- Outstanding southern adaptation due to superior disease tolerance and staygreen
- Resistant to ECB and CRW plus it's Roundup Ready 2
- Harvest populations 32,000+
- Limited suplly for 2009

GSF 4903VT3
New 103 RM Tripled Stacked VT technology with high yields!

- Thick girthy ears 18 to 20 rows
- Excellent stalks and roots for easy harvest
- Superior seeding vigor and fast drydown
- Resistant to ECB and CRW
- Roundup Ready for optimum crop safety and ease of application
- Will respond to high final populations of 30,000+

Volunteer corn issues: Planning for next year

By Mark Loux, Ohio State University Extension herbicide specialist

One likely result of the cornstalk breakage and harvest problems this year is an increase in volunteer corn populations next year. Planting soybeans in fields that are likely to have a major volunteer corn problem is by far the best option. Volunteer corn is easily managed in Roundup Ready or non-GMO soybeans through the use of post-emergence grass herbicides — Assure II/Targa, Fusion and clethodim products (Select Max is the only clethodim product that should be applied in a mixture with glyphosate, however).

Management of volunteer corn in continuous cornfields can be easy or difficult, depending upon the type of hybrids that were planted in the 2008 season. The best-case scenario is that a non-GMO hybrid was planted in 2008 or a hybrid with a single herbicide resistance trait, either Liberty Link or glyphosate-resistant. In this case, it should be possible to plant a hybrid next year that allows the use of either glufosinate (Ignite) or glyphosate for control of the volunteer corn.

Examples: 1) where non-GMO corn was planted in 2008, glyphosate-resistant or Liberty Link corn can be planted in 2009; 2) where Liberty Link corn was planted in 2008, glyphosate-resistant corn can be planted in 2009; or 3) where glyphosate-resistant corn was planted in 2008, Liberty Link corn can be planted in 2009. Glufosinate can be somewhat variable for control of volunteer corn, but has the potential to at least suppress it to the point of being non-competitive. All of this is stated with the assumption that well-performing hybrids with the desired herbicide resistance are available, along with corresponding non-BT hybrids to satisfy refuge requirements.

The major problem occurs where the hybrid planted in 2008 has resistance to both glufosinate and glyphosate, because this means there are no chemical control options for volunteer corn where corn is planted in the same field next year. In fields with this type of hybrid that appear to have the potential for substantial volunteer corn problems, we suggest reconsidering the decision to plant corn again. Consider switching these fields to soybeans instead, and plant corn in other fields with fewer stalk breakage problems.

We have been asked whether tillage can be altered to minimize volunteer corn infestations. Volunteer corn most often develops from partially buried ears or parts of ears. We can generalize therefore that the severity of volunteer corn infestations could be reduced by either not tilling at all or using a combination of fall and spring tillage that shatters ears and buries them fairly deep. Minimum tillage that partially buries fairly intact ears may be the worst case. Another non-chemical option would be to cultivate between rows next spring after emergence of the crop and volunteer corn. This is really the only viable method of volunteer corn control in fields planted continuously to hybrids with resistance to both glyphosate and glufosinate.

Ohio Soybean Performance Trials 2008

James E. Beuerlein, Professor, Dept. of Horticulture & Crop Science
Steve St. Martin, Professor, Dept. of Horticulture & Crop Science
Anne Dorrance, Associate Professor, Dept. of Plant Pathology
Chris D. Kroon Van Diest, Research Associate, Dept. of Horticulture & Crop Science
Ohio State University Extension /OARDC
The Ohio State University, College of Food, Agriculture and Environmental Science

INTRODUCTION

The purpose of the Ohio Soybean Performance Trials is to evaluate soybean varieties for yield, and other agronomic characteristics. This evaluation gives soybean producers comparative information for selecting the best varieties for their unique production systems.

METHOD OF CONDUCTING TRIALS

Entries in Trials. Performance of entries in the Ohio Soybean Performance Trials are published if seed will be available to Ohio Soybean producers for the following planting season. All 2008 entries were submitted voluntarily by seed companies and the Ohio Seed Improvement Association. Entry fee charges were made per entry and location.

Normal and Roundup Ready (RR) Test. The same production, testing and evaluation techniques, *except for weed control*, were used for Normal tests and Roundup Ready tests. The performance of Normal entries and Roundup Ready entries is not comparable statistically because they were not tested together and because different weed control programs were used for the two tests.

FIELD PLOT DESIGN

The entries for each test site were planted in a randomized complete-block design. Each entry was replicated four times and planted in plots 40 ft. long and 5 ft. wide containing four rows seeded at 200,000 seeds per acre.

PRODUCTION PRACTICES AND RAINFALL

The production practices used at each location are shown in Table 1 and 2008 rainfall is shown in Table 2.

MEASUREMENTS AND RECORDS

Relative maturity. Relative maturity is a rating designed to account for all of the factors that affect maturity date and includes variety, planting date, weather, latitude and disease. Maturity is defined as the "95% brown pods" stage. A variety with a Relative Maturity rating of 3.5 will reach the 95% brown pod stage 5 days later than a variety with a rating of 3.0. All the varieties in a table were tested as a group, and their performance analyzed and reported for that group regardless of their 2008 relative maturity rating.

Table 1. 2008 Production Background Information

	N1 Henry Co.	N2 Huron Co.	C1 Mercer Co.	C2 Union Co.	S1 Preble Co.	S2 Clinton Co.
Tillage						
Fall	None	Chisel	Fld. Cult.	None	None	None
Spring	None	Field Cult/Dsk	None	None	None	None
Normal Variety Weed Control						
Preemerge	Canopy XL/Dual II/ Roundup UltraMax	Canopy XL/Dual II/ Roundup UltraMax	Canopy XL/Dual II/ Roundup UltraMax	Canopy XL/Dual II/ Roundup UltraMax	Canopy XL/Dual II/ Roundup UltraMax	Canopy XL/Dual II/ Roundup UltraMax
Postemerge	Basagran / Flexstar / Select	Basagran / Flexstar / Select	Basagran / Flexstar / Select	Basagran / Flexstar / Select	Basagran / Flexstar / Select	Basagran / Flexstar / Select
Roundup Ready Variety Weed Control						
Preemerge	Canopy XL/Dual II/ Roundup UltraMax	Canopy XL/Dual II/ Roundup UltraMax	Canopy XL/Dual II/ Roundup UltraMax	Canopy XL/Dual II/ Roundup UltraMax	Canopy XL/Dual II/ Roundup UltraMax	Canopy XL/Dual II/ Roundup UltraMax
Postemerge	Roundup UltraMax	Roundup UltraMax	Roundup UltraMax	Roundup UltraMax	Roundup UltraMax	Roundup UltraMax
Soil and Crop Background						
Soil Type	Hoytville	Kibbie	Mercer	Blount	Crosby	Westland
Soil pH	7.3	6.0	7.3	5.8	6.6	6.8
Soil Test P(ppm)	73	30	43	48	44	40
Soil Test K(ppm)	205	128	158	195	181	172
Fertilizer	0-0-0	0-0-0	0-0-0	0-0-0	0-0-0	0-0-0
Previous Crop	Corn	Corn	Corn	Corn	Corn	Corn
Plant Date	5/24	5/23	5/27	5/25	5/30	6/2
Harvest Date	10/10	10/12	10/13	10/8	10/14	10/15

Table 2. 2008 Rainfall Data

	N1 Henry Co.		N2 Huron Co.		C1 Mercer Co.		C2 Delaware Co.		S1 Preble Co.		S2 Clinton Co.	
	2008 (Normal)											
May	3.2	(5.6)	2.2	(4.3)	0.4	(4.7)	3.9	(3.7)	2.4	(4.8)	2.9	(1.5)
June	4.7	(7.9)	3.8	(7.0)	7.8	(4.8)	7.6	(4.3)	5.4	(3.8)	7.4	(2.9)
July	4.0	(3.9)	3.5	(4.2)	7.2	(5.0)	3.5	(4.1)	3.7	(5.5)	4.0	(4.7)
August	0.3	(1.5)	2.3	(1.2)	2.2	(3.2)	1.3	(2.4)	1.9	(4.4)	2.5	(5.4)
September	4.0	(1.4)	3.3	(2.3)	1.4	(2.2)	2.2	(2.1)	1.6	(3.5)	1.4	(5.3)
TOTAL	16.2	(20.3)	15.1	(18.9)	19.0	(20.2)	19.5	(16.5)	15.0	(21.9)	19.3	(19.3)

Plant height was not taken in 2008 due to the variable influence of drought on varieties of different maturities.

Lodging score. There was no lodging in 2008 as varieties were only 50 to 80 percent their usual height.

Seed size is reported as seeds per pound.

Protein and oil % analysis was determined by near infrared transmittance technology. The test was performed by the OSU Grain Quality Lab using a Tecator Infratec whole grain analyzer calibrated with the Composition Systems Calibration developed at Iowa State University and is reported at 13% moisture.

Phytophthora Resistance Genes. Phytophthora resistance genes were determined using a hypocotyl inoculation test. In this test, several races of Phytophthora are used to determine the presence or absence of a particular *Rps* gene. The *Rps* genes (*Rps*1a, *Rps*1c, etc.) detected in a variety are listed in Tables 3-11. **"ND"** indicates that the *Rps* gene(s) could not be determined, and the variety has *Rps*6, *Rps*8 or a *Rps* gene combination of either 1c+3a or 1k + 3a. **"None"** indicates no *Rps* genes were detected. **"tba"** indicates this data will be added to the data base on the internet in late November.

Phytophthora Partial Resistance. All varieties were evaluated for partial resistance. Partial resistance is a multigenic characteristic that provides some level of protection against all known races of Phytophthora. Ratings of 3.0 to 3.9 are considered high levels of partial resistance and will provide good levels of control. Ratings of 4.0 to 4.9 are considered moderate and will allow some yield loss when environmental conditions favor infection by Phytophthora. Ratings of 5.0 to 5.9 indicate low levels partial resistance or protection against Phytophthora. Ratings of 6.0 and greater indicate very low levels and severe yield losses will result when Phytophthora pressure is high. For fields with a history of Phytophthora root and stem rot, varieties should have a combination of both an *Rps* gene and good partial resistance to provide the best protection. **"tba"** indicates this data will be added to the data base on the internet in late November.

Yield. Each soybean variety was harvested when the moisture content was between 9 and 15 percent and yields reported in bushels per acre at 13 percent moisture.

LSD. A Least Significant Difference (LSD) for yield was computed for each maturity group. LSD's are reported in bushels per acre at 13 percent moisture. Yields of two varieties within a maturity group are significantly different 70% of the time if their yields differ by more than the LSD value shown for that maturity group.

DATA USE. Inclusion of entries in the Ohio Soybean Performance Trials does not constitute an endorsement of a particular entry by the Ohio State University, Ohio Agricultural Research and Development Center, or the Ohio State University Extension.

This report can be found on the internet at **www.agcrops.osu.edu** and each column of data can be sorted to aid the variety comparison and selection process.

North Region	Central Region	South Region
N1 — Henry County	C1 — Mercer County	S1 — Preble County
N2 — Huron County	C2 — Delaware County	S2 — Clinton County

11/08

The 2008 Ohio Soybean Performance Trials

DIRECTORY BY COMPANY

LISTING BY: Variety, Maturity Rating, Type and Table Number

Physical characteristics and yield data for a variety can be located using the table number(s) associated with each entry in this table.

Advanced Genetics, Inc.
11491 Foundation Rd. Box 6
Croton, OH 43013-0145
740-893-2501
v.ww.advancedgenetics.co

Company/Variety	Maturity Rating	RR/N/L	Table Number
AGI 27R04	2.7	r	4
AGI 28R02	2.8	r	4
AGI 29RN06	2.9	r	7
AGI 30RN06	3.0	r	5,7
AGI 31R04	3.1	r	5,7
AGI 30RN05	3.2	r	7
AGI 34RN06	3.4	r	7
ASI 34RN03	3.6	r	8
AGI 36RN01	3.8	r	8,11
AGI 38RSN04	3.8	r	11
AGI 38RN06	3.9	r	11
AGI 26R03	2.6	r	4

Beck's Superior Hybrids
6767 East 276th Street
Atlanta, IN 46031-9616
317-984-3508
www.beckshybrids.com

Company/Variety	Maturity Rating	RR/N/L	Table Number
Beck 296NRR	2.9	r	4
Beck 307NRR	3.0	r	5
Beck 321NRR	3.2	r	5
Beck 342NRR	3.5	r	5,8
Beck 364NRR	3.6	r	8,10
Beck 377NRR	3.7	r	8,10
Beck 383NRR	3.8	r	11
Beck 399NRR	3.9	r	8,11
Beck 422NRR	4.2	r	11

Bio Gene Seeds
5477 Tri County Hwy
Sardinia, OH 45171
888-862-3276
www.biogeneseeds.com

Company/Variety	Maturity Rating	RR/N/L	Table Number
BG 3807 RN	3.7	r	8,10
BG 3708 RN	3.7	r	8,10
BG 3809 RSN	3.8	r	8,11

Campbell Seed Inc.
1375N 800W
Tipton, IN 46072
800-788-5950
www.campbellseed.com

Company/Variety	Maturity Rating	RR/N/L	Table Number
329NRR	3.2	r	7
347NRR	3.4	r	7
378NRR	3.7	r	8
388NRR	3.8	r	11
393NRR	3.9	r	11
418NRR	4.1	r	11

Crop Production Services
443 Allenby Drive
Marysville,OH 43040
937-644-9467
www.cropproductionservices.com

Company/Variety	Maturity Rating	RR/N/L	Table Number
Dyna-Gro V278RR	2.7	r	4
Dyna-Gro V28N8RR	2.8	r	4
Dyna-Gro 39R29	2.9	r	4
Dyna-Gro 38B31	3.1	r	5
Dyna-Gro V32N8RR	3.2	r	5,7
Dyna-Gro 38R33	3.3	r	5,7,10
Dyna-Gro V34N9RR	3.4	r	5,7,10
Dyna-Gro V37P37RR	3.7	r	8,10
Dyna-Gro 35F37	3.7	r	8,10
Dyna-Gro 32X39	3.8	r	8,11
Dyna-Gro V39N9RR	3.9	r	11
Dyna-Gro V40N8RR	4.0	r	11
Dyna-Gro 33A40	4.0	r	8,11

Crow's Hybrid Corn Co.
612 E. Dunlap St
Kentland, IN 47951-1230
800-331-7201
www.crowshybrid.com

Company/Variety	Maturity Rating	RR/N/L	Table Number
CV282R	2.8	r	4
C2918R	2.8	r	4
C3418R	3.4	r	5,7
C3619R	3.6	r	5,8
C3916R	3.9	r	8,11
C4119R	4.1	r	11

Dairyland Seed Co., Inc.
P.O. Box 958, 3570 Hwy. H
West Bend, WI 53095
800-236-0163
www.dairylandseed.com

Company/Variety	Maturity Rating	RR/N/L	Table Number
DSR 2300/RR	2.3	r	4
DSR 2770/RR	2.7	r	4
DSR 2929/RR	2.9	r	4
DSR 3265/RR	3.2	r	5

Ebberts Field Seeds, Inc.
6840 N State Route 48
Covington, OH 45318-9604
888-802-5715
937-473-2521
www.ebbertsfieldseed.com

Company/Variety	Maturity Rating	RR/N/L	Table Number
Ebberts 1279RR	2.7	r	4,7
Ebberts 1280RR	2.8	r	4,7
Ebberts 1314RR	3.2	r	5,7
Ebberts 1328RR	3.2	r	5,7
Ebberts 1349RR	3.4	r	5,7,10
Ebberts 1368RR	3.6	r	5,8,10
Ebberts 1378RR	3.7	r	5,8,10
Ebberts 1365RR	3.9	r	5,8,11
Ebberts 1386RR	3.9	r	8,11
Ebberts 3386	3.9	n	3,6,9

Gries Seed Farms Inc.
2348 N. Fifth St.
Fremont, OH 43420
419-332-1817
www.griesseed.com

Company/Variety	Maturity Rating	RR/N/L	Table Number
GSF 2609RR	2.6	r	4
GSF 2907RR	2.9	r	4
GSF 3207NRR	3.2	r	5,7
GSF 3408NRR	3.4	r	5,7
GSF 3808NRR	3.8	r	8,11

Houck Seed Co.
2288 US Rt. 20
Monroeville, OH 44847
419-465-4525
www.houckseed.com

Company/Variety	Maturity Rating	RR/N/L	Table Number
HS 4238RR	2.3	r	4
HS 4288RR	3.0	r	5
HS 4348RR	3.4	r	5
HS 4388RR	3.8	r	5

iCORN.com
792 N. Peru Street
Cicero, In 46034
800-240-0101
www.iCORN.com

Company/Variety	Maturity Rating	RR/N/L	Table Number
2.56	2.5	r	4
2.85	2.8	r	4
3.15	3.1	r	5,7
3.45	3.4	r	7,10
3.75	3.7	r	8,10
3.95	3.9	r	11

Luckey Farmers, Inc.
1200 W Main Street
Woodville, OH 43469-9701
800-589-9711
www.luckeyfarmers.com

Company/Variety	Maturity Rating	RR/N/L	Table Number
GROMOR3608N/STS/RR	3.6	r	5
GROMOR 2709 N/RR	3.6	r	5

Midwest Seed Genetics
PO Box 518
Carroll, IA 51401-8505
800-828-9283
www.midwestseed.com

Company/Variety	Maturity Rating	RR/N/L	Table Number
GR 2934	2.9	r	4
GR 3033	3.0	r	5
GR 3433	3.4	r	7
GR 3833	3.8	r	8

Monsanto
800 N. Lindbergh Blvd
St. Louis, MO 63167
314-694-1000
800-768-6387
www.monsanto.com

Company/Variety	Maturity Rating	RR/N/L	Table Number
Asgrow AG 2606	2.6	r	4,7
Dekalb DKB 28-52	2.8	r	4,7
Asgrow AG 2802	3.0	r	5,7
Asgrow AG 3006	3.0	r	5,7
Asgrow AG 3101	3.2	r	5,7
Asgrow AG 3205	3.2	r	5,7,10
Asgrow AG 3402	3.4	r	5,7,10
Asgrow AG 3603	3.6	r	5,8,10
Asgrow AG 3803	3.8	r	5,8,11
Asgrow AG 3705	3.9	r	8,11
Asgrow AG 3905	3.9	r	11
Asgrow AG 4005	4.0	r	11

Pioneer Hi-Bred International
14171 Carole Drive
Bloominton, Il 61704
309-821-4940
www.pioneer.com

Company/Variety	Maturity Rating	RR/N/L	Table Number
Pioneer Brand 92Y80	2.8	r	4
Pioneer Brand 92M91	2.9	r	4
Pioneer Brand 93Y20	3.2	r	5,7
Pioneer Brand 93M42	3.4	r	7,10
Pioneer Brand 93M43	3.5	r	8
Pioneer Brand 93M61	3.6	r	5,8,10
Pioneer Brand 93M70	3.7	r	10
Pioneer Brand 93Y80	3.7	r	8
Pioneer Brand 97Y01	4.0	r	11
Pioneer Brand 93Y70	3.7	r	8

Porter Hybrids, Inc.
1683 SR 134 North
Wilmington, OH 45177
937-382-2324

Company/Variety	Maturity Rating	RR/N/L	Table Number
Porter PH 4350	3.5	n	9
Porter PH 4385N	3.8	n	9
Porter PH 4380N	3.9	n	9
Porter PH 4360N	4.1	n	9
Porter PH 4419N	4.1	n	9

Public Certified

Company/Variety	Maturity Rating	RR/N/L	Table Number
Wyandot	2.9	n	3,6,9
Streeter	3.0	n	3,6,9
Dilworth	3.1	n	3,6,9
Ohio FG1	3.4	n	3,6,9
Dennison	3.5	n	3,6,9
Kottman	3.7	n	3,6,9

Rupp Seeds, Inc.
17919 County Rd B
Wauseon, OH 43567-9458
419-337-1841
www.ruppseeds.com

Company/Variety	Maturity Rating	RR/N/L	Table Number
Rupp RS 4245N	2.4	r	4
Rupp RS 4263RR	2.7	r	4
Rupp RS 4271RR	2.7	r	4
Rupp RS 4298N	2.9	r	4
Rupp RS 4314RR	3.1	r	5
Rupp RS 4340RR	3.4	r	7

Seed Consultants, Inc.
PO Box 370, 648 Miami Trace Rd SW
Washington CH, OH 43160
800-708-2676
www.seedconsultants.com

Company/Variety	Maturity Rating	RR/N/L	Table Number
SCS 9268	2.6	r	4
SC 9278RR	2.7	r	4
SCS 9289	2.8	r	4
SCS 9299	2.9	r	4
SC 9286RR	3.2	r	5
SC 9328	3.2	r	5,7
SC 9315RR	3.3	r	5,7
SC 9338RR	3.3	r	5,7
SCS 9349	3.4	r	5,7
SC 9366RR	3.5	r	5,8
SC 9358RR	3.5	r	5,8,10
SCS 9369	3.6	r	5,8
SC 9378	3.7	r	8
SCS 9379	3.7	r	8
SC 9387RR	3.8	r	8,11
SC 9389	3.8	r	8,11
SC 9355RR	3.9	r	5,8,11
SC 9386RR	3.9	r	8,11
SCS 9398	3.9	r	11
SC 9408RR	4.0	r	11
SCS 9408	4.0	r	11
SC 9419	4.1	r	11
SCS 9438	4.3	r	11
SC 9459	4.5	r	11
SC 9468RR	4.6	r	11
SCS 9479	4.7	r	11

Steyer Seeds
6154 N County Rd 33
Tiffin, OH 44883
800-231-4274
www.steyerseeds.com

Company/Variety	Maturity Rating	RR/N/L	Table Number
Steyer 2950 RRScn	3.3	r	5,7
Steyer 3490 RRScn	3.4	r	5,7

Syngenta Seeds, Inc.
RR 2, Box 12
Wyoming, Il 61491
309-253-4307
www.Syngenta.com

Company/Variety	Maturity Rating	RR/N/L	Table Number
NK S27-C4	2.7	r	4
NK S28-B4	2.8	r	4,7
NK S30-F5	3.0	r	7
NK S32-E2	3.4	r	5,7
NK S35-T9	3.5	r	8
NK S37-P5	3.7	r	8,10
NK S39-A3	3.9	r	11

Wellman Seeds, Inc.
23778 Delphos Jennings Rd
Delphos, OH 45833-8932
800-717-7333
www.wellmanseeds.com

Company/Variety	Maturity Rating	RR/N/L	Table Number
Wellman W3927RR	2.7	r	4,7,10
Wellman W3932RR	3.1	r	5,7,10
Wellman W3837RR	3.7	r	5,8,10
Wellman W3938RR	3.8	r	5,8,11

TABLE 3: The 2008 Ohio Soybean Performance Trials, *North Region Normal Varieties*

See "Measurements and Records" in text for description

Entry		Physical Characteristics					Phytophthora		North Region Yield (Bu/ac)			
Brand/Variety	Company Name	Rel. Mat. Planted	Rel. Mat. Measured	Seeds/ Pound	% Prot.	% Oil	Resis. Gene	Partial Resist.	N1	N2	Regional Mean	07-08 Mean
Wyandot	Public Certified	2.9	2.9	2740	38.3	23.4	3a	3.5	31.4	51.9	41.6	50.9
Streeter	Public Certified	3.0	3.0	3226	39.2	22.6	1k +	3.8	31.3	57.2	44.3	
Dilworth	Public Certified	3.1	3.1	3448	39.5	21.9	2 genes	4.0	25.8	48.7	37.2	49.5
Ohio FG1	Public Certified	3.4	3.4	2439	38.8	22.4	3a	tba	24.3	53.5	38.9	47.0
Dennison	Public Certified	3.5	3.5	3333	39.8	22.0	tba	tba	31.8	60.5	46.2	56.8
Kottman	Public Certified	3.7	3.7	2941	39.4	22.2	1k +3a	3.8	32.1	54.2	43.1	52.7
Ebberts 3386	Ebberts Field Seeds Inc.	3.9	3.9	2703	40.6	21.6	1c	3.8	36.6	60.2	48.4	58.3
	Max			**3448**	**40.6**	**23.4**			**36.6**	**60.5**	**48.4**	**58.3**
	Mean			**3035**	**39.5**	**22.4**			**31.2**	**55.8**	**43.5**	**53.4**
	Min			**2439**	**38.3**	**21.6**			**24.3**	**48.7**	**37.2**	**47.0**
	LSD 0.30								**2.1**	**2.5**		

TABLE 4: The 2008 Ohio Soybean Performance Trials, *North Region Early Roundup Ready Varieties*

See "Measurements and Records" in text for description

Entry		Physical Characteristics					Phytophthora		North Region Yield (Bu/ac)			
Brand/Variety	Company Name	Rel. Mat. Planted	Rel. Mat. Measured	Seeds/ Pound	% Prot.	% Oil	Resis. Gene	Partial Resist.	N1	N2	Regional Mean	07-08 Mean
DSR 2300/RR	Dairyland Seed Co. Inc.	2.3	2.4	3846	38.0	22.5	1a	4.5	25.2	57.6	41.4	
HS 4238RR	Houck Seed Company	2.3	2.7	3636	39.4	23.0	tba	tba	28.6	50.7	39.6	53.9
Rupp RS 4245N	Rupp Seeds Inc.	2.4	2.7	3333	38.9	23.0	1c	5.3	29.0	54.2	41.6	
2.560	iCORN.com	2.5	2.8	3175	39.9	22.5	none	4.2	30.4	55.4	42.9	
Asgrow AG 2606	Monsanto	2.6	3.0	3175	40.1	21.6	1c	4.3	33.3	56.3	44.8	57.0
GSF 2609RR	Gries Seed Farms	2.6	3.1	3226	38.9	22.4	1k	4.0	27.4	54.8	41.1	
AGI 26R03	Advanded Genetics Inc.	2.6	3.1	2857	39.0	22.9	1c	6.3	28.2	61.5	44.8	
SCS 9268	Seed Consultants Inc.	2.6	3.1	3030	37.9	23.2	tba	tba	26.3	51.7	39.0	
DSR 2770/RR	Dairyland Seed Co. Inc.	2.7	3.1	3226	38.5	22.7	1k	5.0	27.8	60.8	44.3	55.5
Dyna-Gro V278RR	Crop Production Services	2.7	2.9	3175	38.8	22.8	1k	5.0	29.8	56.3	43.1	
Wellman W3927RR	Wellman Seeds Inc.	2.7	3.3	3175	39.8	22.0	1a	5.8	38.0	58.2	48.1	
Rupp RS 4263RR	Rupp Seeds Inc.	2.7	2.9	2941	39.3	22.7	1c	5.2	28.0	57.6	42.8	54.6
Rupp RS 4271RR	Rupp Seeds Inc.	2.7	2.9	3279	39.4	22.1	1k	4.3	31.9	55.2	43.6	55.2
NK S27-C4	Syngenta Seeds Inc.	2.7	3.1	3077	38.8	23.2	1k	4.2	26.7	47.1	36.9	
Ebberts 1279RR	Ebberts Field Seeds Inc.	2.7	3.1	2941	38.9	22.7	1k	4.0	32.1	57.8	45.0	
AGI 27R04	Advanced Genetics Inc.	2.7	3.2	3226	38.3	22.6	1k	4.5	30.6	56.9	43.7	55.9
SC 9278RR	Seed Consultants Inc.	2.7	3.2	3175	38.4	22.9	tba	tba	27.5	59.6	43.6	54.8
Dekalb DKB 28-52	Monsanto	2.8	3.0	3030	37.2	23.7	1c	5.3	31.6	61.9	46.7	
Dyna-Gro V28N8RR	Crop Production Services	2.8	2.7	3333	37.6	23.6	none	4.7	30.9	50.0	40.5	
2.850	iCORN.com	2.8	2.8	3509	40.6	21.2	1c	5.5	30.4	57.3	43.8	
Pioneer Brand 92Y80	Pioneer Hi-Bred Intl Inc.	2.8	3.0	2985	39.4	23.2	none	5.0	32.1	61.1	46.6	
NK S28-B4	Syngenta Seeds Inc.	2.8	3.0	3509	37.9	23.0	1k	3.8	29.0	58.6	43.8	56.2
Ebberts 1280RR	Ebberts Field Seeds Inc.	2.8	3.1	2899	38.1	22.7	1k	5.5	31.6	57.0	44.3	
AGI 28R02	Advanced Genetics Inc.	2.8	3.1	2817	38.4	23.8	1a	4.5	28.0	59.3	43.7	55.1
CV282R	Crow's Hybrid Corn Co.	2.8	3.2	3175	38.0	23.6	none	4.2	31.2	48.2	39.7	
C2918R	Crow's Hybrid Corn Co.	2.8	3.6	2941	38.5	22.1	1k	5.5	31.2	52.3	41.8	
SCS 9289	Seed Consultants Inc.	2.8	3.0	3175	38.2	23.8	tba	tba	27.2	53.8	40.5	
DSR 2929/RR	Dairyland Seed Co. Inc.	2.9	3.0	3175	38.6	22.3	none	5.0	26.9	59.3	43.1	
GSF 2907RR	Gries Seed Farms	2.9	3.0	3279	38.5	23.2	none	5.0	28.3	57.6	42.9	
Rupp RS 4298N	Rupp Seeds Inc.	2.9	3.1	3390	38.1	23.2	1k	4.8	32.8	57.6	45.2	
Beck 296NRR	Beck's Superior Hybrids	2.9	3.1	3774	39.4	22.4	1c	6.7	29.6	57.6	43.6	
Pioneer Brand 92M91	Pioneer Hi-Bred Intl Inc.	2.9	3.0	3077	37.6	24.6	1k	4.8	31.4	60.8	46.1	57.6
Dyna-Gro 39R29	Crop Production Services	2.9	3.4	2817	39.2	21.8	seg 1k	6.3	29.8	56.4	43.1	
GR 2934	Midwest Seed Genetics	2.9	3.4	2899	38.2	22.6	seg 1k	5.3	28.5	54.8	41.7	
SCS 9299	Seed Consultants Inc.	2.9	3.5	2817	38.1	23.6	tba	tba	32.2	51.4	41.8	
	Max			**3846**	**40.6**	**24.6**			**38.0**	**61.9**	**48.1**	**57.6**
	Mean			**3193**	**38.7**	**22.9**			**30.0**	**56.3**	**43.1**	**55.8**
	Min			**2817**	**37.2**	**21.2**			**25.2**	**47.1**	**36.9**	**53.9**
	LSD 0.30								**2.3**	**2.7**		

TABLE 5: The 2008 Ohio Soybean Performance Trials, *North Region Late Roundup Ready Varieties*

See "Measurements and Records" in text for description

Entry		Physical Characteristics					Phytophthora		North Region Yield (Bu/ac)			
Brand/Variety	Company Name	Rel. Mat. Planted	Rel. Mat. Measured	Seeds/ Pound	% Prot.	% Oil	Resis. Gene	Partial Resist.	N1	N2	Regional Mean	07-08 Mean
Asgrow AG 2802	Monsanto	3.0	3.1	3226	37.4	24.3	seg 1k	6.8	25.6	56.1	40.8	56.1
Asgrow AG 3006	Monsanto	3.0	3.1	3448	37.6	23.5	seg 1k	5.8	30.0	60.0	45.0	59.2
HS 4288RR	Houck Seed Company	3.0	3.1	2985	38.7	23.3	tba	tba	27.5	53.6	40.6	56.6
Beck 307NRR	Beck's Superior Hybrids	3.0	3.3	3279	37.9	23.4	tba	tba	29.2	58.5	43.8	
AGI 30RN06	Advanced Genetics Inc.	3.0	3.3	2941	39.6	22.4	1c	4.2	31.4	55.4	43.4	
GR 3033	Midwest Seed Genetics	3.0	3.1	3704	38.8	22.4	1c	4.7	26.8	59.4	43.1	
3.150	iCORN.com	3.1	3.3	3077	37.7	23.4	seg 1k	4.5	28.8	63.1	46.0	
Wellman W3932RR	Wellman Seeds Inc.	3.1	3.3	3279	38.5	22.8	1a	6.0	25.5	54.3	39.9	
Rupp RS 4314RR	Rupp Seeds Inc.	3.1	3.3	2817	38.2	22.8	1c	5.3	31.2	61.1	46.2	60.4
AGI 31R04	Advanced Genetics Inc.	3.1	3.1	2941	37.9	23.0	1c	5.5	28.4	59.5	44.0	56.6
Dyna-Gro 38B31	Crop Production Services	3.1	3.3	3509	38.7	23.2	none	4.3	24.8	53.3	39.0	
DSR 3265/RR	Dairyland Seed Co. Inc.	3.2	3.3	3390	37.8	23.2	none	4.5	32.3	56.2	44.2	
Asgrow AG 3101	Monsanto	3.2	3.3	3226	39.9	21.9	1c	4.7	31.4	57.9	44.7	55.4
Asgrow AG 3205	Monsanto	3.2	3.5	3333	39.8	21.2	1c	4.3	31.1	60.1	45.6	57.2
Dyna-Gro V32N8RR	Crop Production Services	3.2	3.5	3175	36.8	23.2	1a	4.5	31.8	59.2	45.5	
GSF 3207NRR	Gries Seed Farms	3.2	3.2	3390	39.1	22.8	none	4.3	25.2	54.3	39.8	
Beck 321NRR	Beck's Superior Hybrids	3.2	3.6	2985	37.9	23.7	tba	tba	30.2	49.8	40.0	55.1
Pioneer Brand 93Y20	Pioneer Hi-Bred Intl Inc.	3.2	3.4	2941	38.8	22.9	1k	4.7	33.4	58.7	46.0	
Ebberts 1314RR	Ebberts Field Seeds Inc.	3.2	3.2	3175	38.3	22.8	1c	4.7	32.8	61.8	47.3	59.5
Ebberts 1328RR	Ebberts Field Seeds Inc.	3.2	3.5	3175	36.7	23.7	1a	4.0	34.7	55.9	45.3	
SC 9286RR	Seed Consultants Inc.	3.2	3.3	3077	38.8	22.5	tba	tba	29.1	61.3	45.2	56.2
SC 9328	Seed Consultants Inc.	3.2	3.3	3030	37.4	23.7	tba	tba	32.1	59.2	45.6	
Steyer 2950 RRScn	Steyer Seeds	3.3	3.2	3333	38.4	22.8	none	3.7	27.5	58.1	42.8	56.7
Dyna-Gro 38R33	Crop Production Services	3.3	3.6	2817	39.1	21.7	1c	4.0	32.3	58.2	45.2	
SC 9315RR	Seed Consultants Inc.	3.3	3.3	3030	37.9	22.8	tba	tba	28.6	61.6	45.1	57.1
SC 9338RR	Seed Consultants Inc.	3.3	3.4	2899	38.9	23.3	tba	tba	26.5	57.2	41.9	57.0
Asgrow AG 3402	Monsanto	3.4	3.4	2941	38.7	22.2	1c	3.8	30.8	59.9	45.4	58.7
HS 4348RR	Houck Seed Company	3.4	3.7	2817	40.0	22.0	tba	tba	26.0	55.5	40.8	
Dyna-Gro V34N9RR	Crop Production Services	3.4	3.5	3279	37.8	23.6	1c	3.8	32.2	55.4	43.8	
GSF 3408NRR	Gries Seed Farms	3.4	3.5	3175	37.9	23.6	tba	tba	28.5	54.6	41.6	
Steyer 3490 RRScn	Steyer Seeds	3.4	3.9	1429	38.5	22.3	1c	5.2	30.1	57.9	44.0	55.4
NK S32-E2	Syngenta Seeds Inc.	3.4	3.5	3030	37.9	23.4	1a	4.0	30.1	55.8	43.0	57.8
Ebberts 1349RR	Ebberts Field Seeds Inc.	3.4	3.9	2985	38.4	22.5	1k	4.7	31.2	54.9	43.1	
C3418R	Crow's Hybrid Corn Co.	3.4	3.8	2632	39.3	21.9	1c	4.7	34.5	58.8	46.6	56.4
SCS 9349	Seed Consultants Inc.	3.4	3.7	3175	38.4	32.2	tba	tba	30.7	59.0	44.8	
Beck 342NRR	Beck's Superior Hybrids	3.5	3.7	2703	37.8	23.0	tba	tba	32.1	59.8	45.9	55.4
SC 9366RR	Seed Consultants Inc.	3.5	3.5	3448	37.8	22.6	tba	tba	27.0	54.4	40.7	56.6
SC 9358RR	Seed Consultants Inc.	3.5	3.8	3030	38.1	23.1	tba	tba	30.8	62.0	46.4	58.4
Asgrow AG 3603	Monsanto	3.6	3.9	3077	39.9	21.4	1c	4.7	30.0	55.9	42.9	54.8
GROMOR 3608 N/STS/RR	Luckey Farmers Inc.	3.6	3.6	3390	39.2	22.1	1c	3.8	32.3	61.0	46.6	59.4
GROMOR 2709 N/RR	Luckey Farmers Inc.	3.6	3.4	3279	38.1	22.7	1k	5.5	29.3	56.7	43.0	
Pioneer Brand 93M61	Pioneer Hi-Bred Intl Inc.	3.6	3.9	2740	37.7	23.2	1k	4.0	34.9	58.0	46.5	
Ebberts 1368RR	Ebberts Field Seeds Inc.	3.6	3.8	3077	38.9	22.7	1k	3.7	33.7	56.4	45.1	
SCS 9369	Seed Consultants Inc.	3.6	4.0	2941	38.4	23.0	tba	tba	32.0	54.7	43.4	
Wellman W3837RR	Wellman Seeds Inc.	3.7	3.8	2899	38.6	22.2	1c	4.2	35.3	67.6	51.5	61.6
Ebberts 1378RR	Ebberts Field Seeds Inc.	3.7	3.9	3030	38.7	22.3	1c	4.2	35.1	63.3	49.2	
HS 4388RR	Houck Seed Company	3.8	3.9	3279	38.8	22.9	tba	tba	29.2	58.1	43.6	56.1
Wellman W3938RR	Wellman Seeds Inc.	3.8	4.1	3175	36.6	23.3	1c	3.8	34.5	60.8	47.7	
Ebberts 1365RR	Ebberts Field Seeds Inc.	3.9	3.8	3279	39.3	21.5	1c	3.2	31.7	62.0	46.9	58.8
SC 9355RR	Seed Consultants Inc.	3.9	3.9	3279	39.1	21.5	tba	tba	29.6	61.0	45.3	58.4
	Max			**3704**	**40.0**	**32.2**			**35.3**	**67.6**	**51.5**	**61.6**
	Mean			**3098**	**38.4**	**23.1**			**30.5**	**58.3**	**44.4**	**57.5**
	Min			**1429**	**36.6**	**21.2**			**24.8**	**49.8**	**39.0**	**54.8**
	LSD 0.30								**2.1**	**2.7**		

TABLE 6: The 2008 Ohio Soybean Performance Trials, *Central Region Normal Varieties*

See "Measurements and Records" in text for description

Entry		Physical Characteristics					Phytophthora		Central Region Yield (Bu/ac)			
Brand/Variety	Company Name	Rel. Mat. Planted	Rel. Mat. Measured	Seeds/ Pound	% Prot.	% Oil	Resis. Gene	Partial Resist.	C1	C2	Regional Mean	07-08 Mean
Wyandot	Public Certified	2.9	2.9	2740	38.3	23.4	3a	3.5	36.0	19.8	27.9	41.4
Streeter	Public Certified	3.0	3.0	3226	39.2	22.6	1k +	3.8	34.5	18.3	26.4	
Dilworth	Public Certified	3.1	3.1	3448	39.5	21.9	2 genes	4.0	39.8	19.8	29.8	40.5
Ohio FG1	Public Certified	3.4	3.4	2439	38.8	22.4	3a	tba	33.7	20.2	26.9	36.5
Dennison	Public Certified	3.5	3.5	3333	39.8	22.0	tba	tba	44.6	18.8	31.7	43.4
Kottman	Public Certified	3.7	3.7	2941	39.4	22.2	1k +3a	3.8	43.8	24.2	34.0	46.0
Ebberts 3386	Ebberts Field Seeds Inc.	3.9	3.9	2703	40.6	21.6	1c	3.8	40.7	27.0	33.8	52.4
	Max			**3448**	**40.6**	**23.4**			**44.6**	**27.0**	**34.0**	**52.4**
	Mean			**3035**	**39.5**	**22.4**			**39.7**	**21.9**	**30.6**	**44.6**
	Min			**2439**	**38.3**	**21.6**			**33.7**	**18.3**	**26.4**	**36.5**
	LSD 0.30								**2.8**	**2.3**		

TABLE 7: The 2008 Ohio Soybean Performance Trials, *Central Region Early Roundup Ready Varieties*

See "Measurements and Records" in text for description

Entry		Physical Characteristics					Phytophthora		Central Region Yield (Bu/ac)			
Brand/Variety	Company Name	Rel. Mat. Planted	Rel. Mat. Measured	Seeds/ Pound	% Prot.	% Oil	Resis. Gene	Partial Resist.	C1	C2	Regional Mean	07-08 Mean
Asgrow AG 2606	Monsanto	2.6	3.0	3175	40.1	21.6	1c	4.3	47.1	27.1	37.1	
Wellman W3927RR	Wellman Seeds Inc.	2.7	3.3	3175	39.8	22.0	1a	5.8	46.2	31.4	38.8	
Ebberts 1279RR	Ebberts Field Seeds Inc.	2.7	3.1	2941	38.9	22.7	1k	4.0	43.1	31.5	37.3	
Dekalb DKB 28-52	Monsanto	2.8	3.0	3030	37.2	23.7	1c	5.3	45.3	22.2	33.8	
NK S28-B4	Syngenta Seeds Inc.	2.8	3.0	3509	37.9	23.0	1k	3.8	48.8	24.2	36.5	49.5
Ebberts 1280RR	Ebberts Field Seeds Inc.	2.8	3.1	2899	38.1	22.7	1k	5.5	42.9	28.2	35.5	
AGI 29RN06	Advanced Genetics Inc.	2.9	3.2	3279	38.2	23.2	1k	4.2	40.5	23.0	31.8	
Asgrow AG 2802	Monsanto	3.0	3.1	3226	37.4	24.3	seg 1k	6.8	41.8	27.5	34.6	
Asgrow AG 3006	Monsanto	3.0	3.1	3448	37.6	23.5	seg 1k	5.8	44.6	23.6	34.1	48.4
NK S30-F5	Syngenta Seeds Inc.	3.0	3.1	3390	37.6	22.9	1a	4.7	45.2	26.9	36.1	
AGI 30RN06	Advanced Genetics Inc.	3.0	3.3	2941	39.6	22.4	1c	4.2	42.6	26.1	34.3	
3.150	iCORN.com	3.1	3.3	3077	37.7	23.4	seg 1k	4.5	38.3	26.6	32.4	
Wellman W3932RR	Wellman Seeds Inc.	3.1	3.3	3279	38.5	22.8	1a	6.0	45.4	29.3	37.4	
AGI 31R04	Advanced Genetics Inc.	3.1	3.1	2941	37.9	23.0	1c	5.5	43.3	31.2	37.3	51.0
Asgrow AG 3101	Monsanto	3.2	3.3	3226	39.9	21.9	1c	4.7	48.3	30.6	39.4	52.5
Asgrow AG 3205	Monsanto	3.2	3.5	3333	39.8	21.2	1c	4.3	43.0	32.5	37.7	52.3
Dyna-Gro V32N8RR	Crop Production Services	3.2	3.5	3175	36.8	23.2	1a	4.5	46.7	27.6	37.2	
GSF 3207NRR	Gries Seed Farms	3.2	3.2	3390	39.1	22.8	none	4.3	38.0	26.2	32.1	
329NRR	Campbell Seeds	3.2	3.4	2857	39.1	22.4	1c	5.0	40.0	23.3	31.6	
Pioneer Brand 93Y20	Pioneer Hi-Bred Intl Inc.	3.2	3.4	2941	38.8	22.9	1k	4.7	44.7	27.9	36.3	
Ebberts 1314RR	Ebberts Field Seeds Inc.	3.2	3.2	3175	38.3	22.8	1c	4.7	42.5	27.8	35.2	52.4
Ebberts 1328RR	Ebberts Field Seeds Inc.	3.2	3.5	3175	36.7	23.7	1a	4.0	44.3	30.0	37.1	
AGI 30RN05	Advanced Genetics Inc.	3.2	3.3	3448	38.8	22.4	none	3.5	44.9	30.7	37.8	51.7
SC 9328	Seed Consultants Inc.	3.2	3.3	3030	37.4	23.7	tba	tba	46.1	26.9	36.5	
Steyer 2950 RRScn	Steyer Seeds	3.3	3.2	3333	38.4	22.8	none	3.7	47.2	27.7	37.5	50.7
Dyna-Gro 38R33	Crop Production Services	3.3	3.6	2817	39.1	21.7	1c	4.0	46.8	30.5	38.7	
SC 9315RR	Seed Consultants Inc.	3.3	3.3	3030	37.9	22.8	tba	tba	45.1	24.0	34.5	53.7
SC 9338RR	Seed Consultants Inc.	3.3	3.4	2899	38.9	23.3	tba	tba	43.8	26.9	35.4	49.9
Asgrow AG 3402	Monsanto	3.4	3.4	2941	38.7	22.2	1c	3.8	48.0	34.6	41.3	54.4
Dyna-Gro V34N9RR	Crop Production Services	3.4	3.5	3279	37.8	23.6	1c	3.8	44.1	28.6	36.3	
3.450	iCORN.com	3.4	3.8	2941	37.3	23.5	1c	3.8	42.1	26.1	34.1	
GSF 3408NRR	Gries Seed Farms	3.4	3.5	3175	37.9	23.6	tba	tba	39.7	26.0	32.8	
Rupp RS 4340RR	Rupp Seeds Inc.	3.4	3.8	2597	38.1	22.6	1c	4.3	44.1	30.1	37.1	52.7
347NRR	Campbell Seeds	3.4	3.7	2778	38.7	22.6	1c	3.3	42.5	29.0	35.8	50.6
Steyer 3490 RRScn	Steyer Seeds	3.4	3.9	1429	38.5	22.3	1c	5.2	48.7	36.4	42.5	53.8
Pioneer Brand 93M42	Pioneer Hi-Bred Intl Inc.	3.4	3.7	3226	39.3	22.2	1a	5.0	44.5	32.3	38.4	52.4
NK S32-E2	Syngenta Seeds Inc.	3.4	3.5	3030	37.9	23.4	1a	4.0	42.6	28.2	35.4	50.0
Ebberts 1349RR	Ebberts Field Seeds Inc.	3.4	3.9	2985	38.4	22.5	1k	4.7	47.1	31.9	39.5	
AGI 34RN06	Advanced Genetics Inc.	3.4	3.6	3030	37.9	23.5	1c	3.7	44.5	28.9	36.7	
C3418R	Crow's Hybrid Corn Co.	3.4	3.8	2632	39.3	21.9	1c	4.7	43.9	33.5	38.7	52.1
GR 3433	Midwest Seed Genetics	3.4	3.8	2985	37.3	23.3	1c	4.2	44.3	30.7	37.5	
SCS 9349	Seed Consultants Inc.	3.4	3.7	3175	38.4	32.2	tba	tba	48.2	27.0	37.6	
	Max			**3509**	**40.1**	**32.2**			**48.8**	**36.4**	**42.5**	**54.4**
	Mean			**3066**	**38.4**	**23.3**			**44.4**	**28.6**	**36.5**	**51.8**
	Min			**1429**	**36.7**	**21.2**			**38.0**	**22.2**	**31.6**	**48.4**
	LSD 0.30								**2.1**	**2.8**		

TABLE 8: The 2008 Ohio Soybean Performance Trials, *Central Region Late Roundup Ready Varieties*

See "Measurements and Records" in text for description

Entry		Physical Characteristics					Phytophthora		Central Region Yield (Bu/ac)			
Brand/Variety	Company Name	Rel. Mat. Planted	Rel. Mat. Measured	Seeds/ Pound	% Prot.	% Oil	Resis. Gene	Partial Resist.	C1	C2	Regional Mean	07-08 Mean
Beck 342NRR	Beck's Superior Hybrids	3.5	3.7	2703	37.8	23.0	tba	tba	45.4	23.4	34.4	46.8
Pioneer Brand 93M43	Pioneer Hi-Bred Intl Inc.	3.5	3.5	2985	37.5	23.1	1k	5.0	41.8	29.7	35.7	48.3
NK S35-T9	Syngenta Seeds Inc.	3.5	3.7	3175	38.3	22.7	none	4.0	45.5	26.1	35.8	
SC 9366RR	Seed Consultants Inc.	3.5	3.5	3448	37.8	22.6	tba	tba	49.4	30.9	40.1	51.6
SC 9358RR	Seed Consultants Inc.	3.5	3.8	3030	38.1	23.1	tba	tba	46.4	29.9	38.2	55.0
Asgrow AG 3603	Monsanto	3.6	3.9	3077	39.9	21.4	1c	4.7	36.4	24.1	30.3	44.9
Beck 364NRR	Beck's Superior Hybrids	3.6	4.0	3077	39.2	22.0	tba	tba	47.1	24.6	35.9	
Pioneer Brand 93M61	Pioneer Hi-Bred Intl Inc.	3.6	3.9	2740	37.7	23.2	1k	4.0	42.4	24.7	33.5	
Ebberts 1368RR	Ebberts Field Seeds Inc.	3.6	3.8	3077	38.9	22.7	1k	3.7	44.0	30.0	37.0	
AGI 34RN03	Advanced Genetics Inc.	3.6	3.6	2740	38.4	22.5	1c	4.0	33.3	25.6	29.4	46.3
C3619R	Crow's Hybrid Corn Co.	3.6	4.1	2941	37.7	23.0	none	4.0	39.9	30.0	34.9	
SCS 9369	Seed Consultants Inc.	3.6	4.0	2941	38.4	23.0	tba	tba	39.4	24.7	32.0	
BG 3807 RN	BioGene Seeds	3.7	3.8	3077	37.4	24.0	tba	tba	37.3	29.3	33.3	49.3
BG 3708 RN	BioGene Seeds	3.7	3.9	2857	37.4	24.0	tba	tba	41.8	30.5	36.1	
Dyna-Gro V37P37RR	Crop Production Services	3.7	4.1	2899	37.8	22.2	none	4.0	40.1	28.8	34.4	
3.750	iCORN.com	3.7	3.6	3125	37.8	23.3	1c	3.5	41.8	28.5	35.1	
Wellman W3837RR	Wellman Seeds Inc.	3.7	3.8	2899	38.6	22.2	1c	4.2	46.4	33.3	39.9	51.0
378NRR	Campbell Seeds	3.7	3.8	2703	38.2	22.6	1c	3.8	39.5	30.6	35.1	47.9
Beck 377NRR	Beck's Superior Hybrids	3.7	4.0	3077	38.7	22.9	tba	tba	42.8	30.6	36.7	
Pioneer Brand 93Y70	Pionerr Hi-Bred Intl Inc.	3.7	4.0	2899	37.5	23.6	none	3.5	43.3	34.1	38.7	
Pioneer Brand 93Y80	Pioneer Hi-Bred Intl Inc.	3.7	3.9	3279	39.1	22.6	1c	4.0	47.1	23.4	35.3	
NK S37-P5	Syngenta Seeds Inc.	3.7	3.8	3030	37.6	23.3	1a	5.5	48.1	25.4	36.7	
Ebberts 1378RR	Ebberts Field Seeds Inc.	3.7	3.9	3030	38.7	22.3	1c	4.2	43.1	26.0	34.5	
Dyna-Gro 35F37	Crop Production Services	3.7	4.1	3125	38.4	23.1	1c	3.3	38.6	32.7	35.7	
SC 9378	Seed Consultants Inc.	3.7	4.0	3125	38.6	22.2	tba	tba	45.7	24.7	35.2	
SCS 9379	Seed Consultants Inc.	3.7	4.0	2817	38.4	23.3	tba	tba	41.5	32.5	37.0	
BG 3809 RSN	BioGene Seeds	3.8	3.9	3175	36.2	24.4	ns	tba	43.3	19.7	31.5	
Asgrow AG 3803	Monsanto	3.8	3.9	2817	38.2	22.4	1c	3.0	42.9	27.4	35.1	53.0
GSF 3808NRR	Gries Seed Farms	3.8	3.7	3170	39.2	21.6	1c	3.7	38.7	27.0	32.8	
Wellman W3938RR	Wellman Seeds Inc.	3.8	4.1	3175	36.6	23.3	1c	3.8	53.6	27.1	40.3	
AGI 36RN01	Advanced Genetics Inc.	3.8	3.8	3390	39.5	21.0	1c	4.2	43.1	23.8	33.5	47.5
Dyna-Gro 32X39	Crop Production Services	3.8	4.1	2667	39.3	21.4	1c	4.0	41.6	25.9	33.8	
GR 3833	Midwest Seed Genetics	3.8	4.0	3226	36.5	23.3	1c	4.0	49.6	22.4	36.0	
SC 9387RR	Seed Consultants Inc.	3.8	3.9	3390	36.3	24.1	tba	tba	37.9	29.9	33.9	48.1
SC 9389	Seed Consultants Inc.	3.8	4.1	2941	37.7	21.9	tba	tba	33.3	25.8	29.5	
Asgrow AG 3705	Monsanto	3.9	3.9	2817	37.5	22.6	1c	3.2	39.7	29.0	34.3	47.9
Beck 399NRR	Beck's Superior Hybrids	3.9	4.1	2703	39.6	21.3	tba	tba	40.5	31.3	35.9	
Ebberts 1365RR	Ebberts Field Seeds Inc.	3.9	3.8	3279	39.3	21.5	1c	3.2	41.9	27.6	34.7	50.2
Ebberts 1386RR	Ebberts Field Seeds Inc.	3.9	3.9	3333	38.8	22.8	1c	3.5	32.7	29.3	31.0	47.2
C3916R	Crow's Hybrid Corn Co.	3.9	4.0	2817	38.6	22.7	1c	3.7	42.3	27.9	35.1	49.9
SC 9355RR	Seed Consultants Inc.	3.9	3.9	3279	39.1	21.5	tba	tba	41.0	34.2	37.6	49.8
SC 9386RR	Seed Consultants Inc.	3.9	3.9	3571	38.5	22.9	tba	tba	36.9	24.8	30.8	46.2
Dyna-Gro 33A40	Crop Production Services	4.0	4.2	2740	38.6	22.6	none	4.7	38.2	28.6	33.4	
	Max			**3571**	**39.9**	**24.4**			**53.6**	**34.2**	**40.3**	**55.0**
	Mean			**3044**	**38.3**	**22.7**			**42.2**	**27.9**	**35.0**	**49.3**
	Min			**2667**	**36.2**	**21.0**			**32.7**	**19.7**	**29.4**	**44.9**
	LSD 0.30								**2.6**	**2.5**		

TABLE 9: The 2008 Ohio Soybean Performance Trials, *South Region Normal Varieties*

Entry		See "Measurements and Records" in text for description										
		Physical Characteristics					Phytophthora		South Region Yield (Bu/ac)			
Brand/Variety	Company Name	Rel. Mat. Planted	Rel. Mat. Measured	Seeds/ Pound	% Prot.	% Oil	Resis. Gene	Partial Resist.	S1	S2	Regional Mean	07-08 Mean
Wyandot	Public Certified	2.9	2.9	2740	38.3	23.4	3a	3.5	47.2	This test lost to lodging.		
Streeter	Public Certified	3.0	3.0	3226	39.2	22.6	1k +	3.8	45.8			
Dilworth	Public Certified	3.1	3.1	3448	39.5	21.9	2 genes	4.0	49.0			
Ohio FG1	Public Certified	3.4	3.4	2439	38.8	22.4	3a	tba	53.6			
Dennison	Public Certified	3.5	3.5	3333	39.8	22.0	tba	tba	52.2			
Porter PH 4350	Porter Hybrids Inc.	3.5	3.6	2899	36.6	23.9	1a	4.7	52.9			
Kollman	Public Certified	3.7	3.7	2941	39.4	22.2	1k +3a	3.8	58.8			
Porter PH 4385N	Porter Hybrids Inc.	3.8	4.0	3030	36.4	23.7	1a	4.2	51.9			
Porter PH 4380N	Porter Hybrids Inc.	3.9	3.8	2985	38.8	22.5	1c	3.5	52.8			
Ebberts 3386	Ebberts Field Seeds Inc.	3.9	3.9	2703	40.6	21.6	1c	3.8	54.9			
Porter PH 4360N	Porter Hybrids Inc.	4.1	4.1	2899	41.2	21.1	1c	3.7	58.5			
Porter PH 4419N	Porter Hybrids Inc.	4.1	4.1	3175	37.2	22.6	1a	3.7	56.7			
	Max			**3448**	**41.2**	**23.9**			**58.8**			
	Mean			**3020**	**39.0**	**22.6**			**53.3**			
	Min			**2439**	**36.4**	**21.1**			**45.8**			
	LSD 0.30								**3.4**			

TABLE 10: The 2008 Ohio Soybean Performance Trials, *South Region Early Roundup Ready Varieties*

Entry		See "Measurements and Records" in text for description										
		Physical Characteristics					Phytophthora		South Region Yield (Bu/ac)			
Brand/Variety	Company Name	Rel. Mat. Planted	Rel. Mat. Measured	Seeds/ Pound	% Prot.	% Oil	Resis. Gene	Partial Resist.	S1	S2	Regional Mean	07-08 Mean
Wellman W3927RR	Wellman Seeds Inc.	2.7	3.3	3175	39.8	22.0	1a	5.8	60.3	69.9	65.1	
Wellman W3932RR	Wellman Seeds Inc.	3.1	3.3	3279	38.5	22.8	1a	6.0	57.3	65.0	61.2	
Asgrow AG 3205	Monsanto	3.2	3.5	3333	39.8	21.2	1c	4.3	58.1	59.4	58.8	
Dyna-Gro 38R33	Crop Production Services	3.3	3.6	2817	39.1	21.7	1c	4.0	61.5	65.6	63.6	
Asgrow AG 3402	Monsanto	3.4	3.4	2941	38.7	22.2	1c	3.8	65.9	67.8	66.8	62.5
Dyna-Gro V34N9RR	Crop Production Services	3.4	3.5	3279	37.8	23.6	1c	3.8	59.5	62.0	60.7	
3.450	iCORN.com	3.4	3.8	2941	37.3	23.5	1c	3.8	61.1	60.8	60.9	
Pioneer Brand 93M42	Pioneer Hi-Bred Intl Inc.	3.4	3.7	3226	39.3	22.2	1a	5.0	55.0	63.1	59.1	62.5
Ebberts 1349RR	Ebberts Field Seeds Inc.	3.4	3.9	2985	38.4	22.5	1k	4.7	54.5	56.5	55.5	
SC 93b8RR	Seed Consultants Inc.	3.5	3.8	3030	38.1	23.1	tba	tba	66.2	67.0	66.6	66.2
Asgrow AG 3603	Monsanto	3.6	3.9	3077	39.9	21.4	1c	4.7	55.9	57.3	56.6	58.1
Beck 364NRR	Beck's Superior Hybrids	3.6	4.0	3077	39.2	22.0	tba	tba	59.5	73.6	66.6	
Pioneer Brand 93M61	Pioneer Hi-Bred Intl Inc.	3.6	3.9	2740	37.7	23.2	1k	4.0	64.8	73.5	69.2	
Ebberts 1368RR	Ebberts Field Seeds Inc.	3.6	3.8	3077	38.9	22.7	1k	3.7	53.7	61.6	57.7	
BG 3807 RN	BioGene Seeds	3.7	3.8	3077	37.4	24.0	tba	tba	57.7	54.4	56.0	61.2
BG 3708 RN	BioGene Seeds	3.7	3.9	2857	37.4	24.0	tba	tba	57.5	60.0	58.7	
Dyna-Gro V37P37RR	Crop Production Services	3.7	4.1	2899	37.8	22.2	none	4.0	66.9	67.6	67.2	
3.750	iCORN.com	3.7	3.6	3125	37.8	23.3	1c	3.5	55.8	67.3	61.5	
Wellman W3837RR	Wellman Seeds Inc.	3.7	3.8	2899	38.6	22.2	1c	4.2	60.6	60.0	60.3	62.5
Beck 377NRR	Beck's Superior Hybrids	3.7	4.0	3077	38.7	22.9	tba	tba	54.0	57.8	55.9	
Pioneer Brand 93M70	Pioneer Hi-Bred Intl Inc.	3.7	3.8	3125	37.0	24.1	1k	4.2	59.1	63.5	61.3	65.6
NK S37-P5	Syngenta Seeds Inc.	3.7	3.8	3030	37.6	23.3	1a	5.5	64.1	68.7	66.4	67.9
Ebberts 1378RR	Ebberts Field Seeds Inc.	3.7	3.9	3030	38.7	22.3	1c	4.2	63.3	67.0	65.2	
Dyna-Gro 35F37	Crop Production Services	3.7	4.1	3125	38.4	23.1	1c	3.3	49.0	57.8	53.4	
	Max			**3333**	**39.9**	**24.1**			**66.9**	**73.6**	**69.2**	**67.9**
	Mean			**3062**	**38.5**	**22.8**			**59.5**	**64.0**	**61.7**	**63.8**
	Min			**2740**	**37.0**	**21.2**			**49.0**	**54.4**	**53.4**	**58.1**
	LSD 0.30								**3.3**	**3.6**		

TABLE 11: The 2008 Ohio Soybean Performance Trials, *South Region Late Roundup Ready Varieties*

See "Measurements and Records" in text for description

Entry		Physical Characteristics					Phytophthora		South Region Yield (Bu/ac)			
Brand/Variety	Company Name	Rel. Mat. Planted	Rel. Mat. Measured	Seeds/ Pound	% Prot.	% Oil	Resis. Gene	Partial Resist.	S1	S2	Regional Mean	07-08 Mean
BG 3809 RSN	BioGene Seeds	3.8	3.9	3175	36.2	24.4	ns	tba	62.7	62.8	62.8	
Asgrow AG 3803	Monsanto	3.8	3.9	2817	38.2	22.4	1c	3.0	58.9	70.9	64.9	68.1
GSF 3808NRR	Gries Seed Farms	3.8	3.7	3170	39.2	21.6	1c	3.7	62.1	62.4	62.2	
Wellman W3938RR	Wellman Seeds Inc.	3.8	4.1	3175	36.6	23.3	1c	3.8	59.2	68.8	64.0	
388NRR	Campbell Seeds	3.8	3.9	2740	38.4	22.8	1c	3.8	51.3	57.3	54.3	61.4
Beck 383NRR	Beck's Superior Hybrids	3.8	4.0	2857	37.8	23.9	tba	tba	55.9	53.8	54.9	
AGI 36RN01	Advanced Genetics Inc.	3.8	3.8	3390	39.5	21.0	1c	4.2	61.8	67.8	64.8	66.0
AGI 38RSN04	Advanced Genetics Inc.	3.8	3.9	2941	37.6	23.0	1c	3.7	62.4	66.8	64.6	66.9
Dyna-Gro 32X39	Crop Production Services	3.8	4.1	2667	39.3	21.4	1c	4.0	50.1	62.7	56.4	61.2
SC 9387RR	Seed Consultants Inc.	3.8	3.9	3390	36.3	24.1	tba	tba	58.4	65.1	61.8	66.2
SC 9389	Seed Consultants Inc.	3.8	4.1	2941	37.7	21.9	tba	tba	52.9	56.9	54.9	
Asgrow AG 3705	Monsanto	3.9	3.9	2817	37.5	22.6	1c	3.2	58.4	64.9	61.7	64.7
Asgrow AG 3905	Monsanto	3.9	4.1	2740	40.2	21.5	1c	4.2	57.9	69.3	63.6	65.8
Dyna-Gro V39N9RR	Crop Production Services	3.9	4.1	3030	39.4	21.9	tba	tba	54.0	52.6	53.3	
3.95	iCORN.com	3.9	4.1	2817	39.9	21.3	1c	3.7	58.6	65.6	62.1	
393NRR	Campbell Seeds	3.9	4.1	2817	39.4	21.2	1c	3.7	49.5	63.6	56.6	
Beck 399NRR	Beck's Superior Hybrids	3.9	4.1	2703	39.6	21.3	tba	tba	62.4	63.9	63.2	
NK S39-A3	Syngenta Seeds Inc.	3.9	4.0	3279	36.4	23.5	none	4.0	62.6	70.8	66.7	69.7
Ebberts 1365RR	Ebberts Field Seeds Inc.	3.9	3.8	3279	39.3	21.5	1c	3.2	64.2	73.1	68.6	67.6
Ebberts 1386RR	Ebberts Field Seeds Inc.	3.9	3.9	3333	38.8	22.8	1c	3.5	56.3	65.1	60.7	62.9
AGI 38RN06	Advanced Genetics Inc.	3.9	4.0	2941	37.6	24.4	none	4.5	57.1	54.5	55.8	63.0
C3916R	Crow's Hybrid Corn Co.	3.9	4.0	2817	38.6	22.7	1c	3.7	61.1	63.6	62.3	66.0
SC 9355RR	Seed Consultants Inc.	3.9	3.9	3279	39.1	21.5	tba	tba	61.0	65.4	63.2	67.9
SC 9386RR	Seed Consultants Inc.	3.9	3.9	3571	38.5	22.9	tba	tba	54.9	58.8	56.9	63.1
SCS 9398	Seed Consultants Inc.	3.9	4.1	3125	37.3	23.9	tba	tba	61.4	63.2	62.3	
Asgrow AG 4005	Monsanto	4.0	4.1	2778	37.9	22.7	1c	3.8	65.4	71.7	68.5	
Dyna-Gro V40N8RR	Crop Production Services	4.0	4.2	2778	38.6	22.6	1c	4.7	59.6	52.5	56.0	
Pioneer Brand 97Y01	Pioneer Hi-Bred Intl Inc.	4.0	4.1	3333	36.4	23.7	1k	3.7	64.3	66.9	65.6	
Dyna-Gro 33A40	Crop Production Services	4.0	4.2	2740	38.6	22.6	none	4.7	63.3	57.8	60.6	69.2
SC 9408RR	Seed Consultants Inc.	4.0	4.1	3030	38.9	21.9	tba	tba	60.0	57.3	58.7	62.6
SCS 9408	Seed Consultants Inc.	4.0	4.1	3077	38.8	21.3	tba	tba	61.8	69.2	65.5	
418NRR	Campbell Seeds	4.1	4.2	2778	37.9	23.1	1c	4.0	57.3	55.4	56.3	65.8
C4119R	Crow's Hybrid Corn Co.	4.1	4.2	2597	39.1	22.4	none	2.8	61.5	72.3	66.9	
SC 9419	Seed Consultants Inc.	4.1	4.1	2597	38.4	22.9	tba	tba	59.1	61.9	60.5	
Beck 422NRR	Beck's Superior Hybrids	4.2	4.1	3030	39.7	22.4	none	2.8	52.7	52.0	52.3	60.0
SCS 9438	Seed Consultants Inc.	4.3	4.1	2703	38.7	22.4	tba	tba	59.8	61.2	60.5	
SC 9459	Seed Consultants Inc.	4.5	4.1	3509	36.8	23.7	tba	tba	67.4	70.1	68.7	
SC 9468RR	Seed Consultants Inc.	4.6	4.3	2667	38.3	23.1	tba	tba	58.5	53.7	56.1	63.5
SCS 9479	Seed Consultants Inc.	4.7	4.3	2857	37.3	23.2	tba	tba	53.8	63.9	58.9	
	Max			**3571**	**40.2**	**24.4**			**67.4**	**73.1**	**68.7**	**69.7**
	Mean			**2996**	**38.4**	**22.6**			**59.2**	**63.2**	**61.2**	**65.3**
	Min			**2597**	**36.2**	**21.0**			**49.5**	**52.0**	**52.3**	**60.0**
	LSD 0.30								**3.3**	**4.1**		

Bt better for non-target insects

Non-target insects are probably affected more by conventional insecticides than by crops that contain genes from the soil bacterium *Bacillus thuringiensis* (Bt), according to the findings of a study by Agricultural Research Service (ARS) scientists and cooperators. The findings were published recently in *Public Library of Science ONE*.

Bt crops such as maize and cotton are genetically engineered to produce insect-specific toxins. They target specific insect pests, but the researchers wanted to determine how these crops influence non-target insects in the environment.

To find out, scientists from ARS collaborated with researchers at the University of Nebraska at Omaha, Iowa State University and the U.S. Environmental Protection Agency. Steven Naranjo, a research leader at the ARS Arid Land Agricultural Research Center in Maricopa, Ariz., and Jonathan Lundgren, an entomologist at the ARS North Central Agricultural Research Laboratory in Brookings, S.D., contributed to the work.

The scientists compared the abundance of groups of non-target insects. They first compared the abundance of these insects in Bt crops and non-Bt crops without any insecticides. They also compared the insect populations in both types of crops treated with insecticides. And they compared the non-target insect populations in Bt crops without insecticides versus the populations in non-Bt crops treated with insecticides.

They formed these groups of non-target insects with data drawn from a modified version of a public database created by Santa Clara University biologist Michelle Marvier and colleagues. The toxins examined included Cry1Ab and Cry3Bb in maize, Cry3A in potato, and Cry1Ac and Cry1Ab in cotton.

The researchers observed considerable variability in the effects of Bt cotton and maize crops on non-target insects. However, the data within the groups were fairly consistent. The most influential factor was the insecticide applied. Collectively, insecticides such as pyrethroids, organophosphates, carbamates and neonicotinoids had larger negative impacts on non-target insects than did the Bt crops.

The researchers concluded that when it comes to killing non-target insects, no treatment at all has the least impact. Bt crops have considerably less impact on non-target insects than do conventional insecticides. Also, insecticides affect insect populations uniformly, regardless of whether they're in Bt or non-Bt crop fields.

ARS is a scientific research agency of the U.S. Department of Agriculture.

2008 OHIO FORAGE PERFORMANCE TRIALS

R. Mark Sulc, John S. McCormick, David J. Barker, and Keith A. Diedrick

Summary
This report is a summary of performance data collected from forage variety trials in Ohio during 2008, including commercial varieties of alfalfa, red clover, orchardgrass, tall fescue, perennial and annual ryegrass, teff, sorghum x sudangrass, sudangrass, and forage sorghum in tests planted in 2005 to 2008 across three sites in Ohio: South Charleston, Wooster, and Jackson. For more details on forage species and management, see the *Ohio Agronomy Guide*, Ohio State University Extension Bulletin 472, (available online at http://ohioline.osu.edu/b472/0008.html).

Interpreting Yield Data in this Report
Least significant differences (LSD) are listed at the bottom of the tables along with the trial average (mean). Differences between varieties are statistically significant if the difference is equal to or greater than the LSD value. For example, if a variety yields more than another variety by the LSD value, then we are 95% sure that the yield difference is real, with only a 5% probability that the difference is due to chance alone. Results reported here should be representative of what might occur throughout the state but would be most applicable under environmental and management conditions similar to those at the testing sites.

Summary of 2008 Growing Conditions
The growing season began with above normal temperatures in April followed by below normal temperatures in May. Temperatures were below normal all months except April and June, and in September at South Charleston and Jackson. Total rainfall for the season was normal at all locations: Wooster (-4.26 inches), South Charleston (-1.88 inches) and Jackson (-1.31 inches). June was the only month with rainfall well above normal at all locations. Surprisingly alfalfa yields were excellent but grass yields were somewhat lower than average in our trials.

Alfalfa
The trial established in 2007 at Wooster had the highest yields, averaging 8.28 tons acre. Good yields were also obtained in the Wooster trial seeded in 2006 (7.61 tons/acre) and at South Charleston in 2005 (7.10 tons/acre). Alfalfa weevil populations were low at all sites and no insecticide was required for their control. Insecticide applications were used at all locations for control of potato leafhopper (PLH) in the standard yield trials.

No insecticide was applied to control potato leafhopper in the alfalfa yield trial for potato leafhopper resistance conducted at South Charleston, OH and seeded this year. Thresholds resulted in significant yield differences among varieties in response to PLH injury. Leafhopper resistant varieties are not resistant to alfalfa weevil, and will need to be treated with insecticides if weevil populations exceed action thresholds.

Orchardgrass
Yield in 2008 was lower due to the reduced rainfall. Orchardgrass varieties differed greatly in yield over the season, and all varieties went dormant for part of the summer due to dry weather.

Tall Fescue
The tall fescue trial of endophyte-free varieties established at Jackson in 2004 had low yields in 2008, although they were greater than in 2007. Only two harvests were collect in 2007 and three in 2008 due to lack of rainfall. New varieties that are endophyte free or that contain a non-toxic endophyte (eg., Jessup Max Q) have potential to increase animal performance, especially during the summer grazing season, and to provide forage for beef cattle and sheep during autumn and early winter.

Perennial Ryegrass
The perennial ryegrass trial at South Charleston also had reduced yields in 2008. Only three harvests were made due to the reduced growth from below normal rainfall. Perennial ryegrass (diploid and tetraploid) is the most winter hardy of the ryegrass types. A couple of varieties in the ryegrass trial were **festuloliums,** which are crosses between annual ryegrass and fescue. They generally are more winter-hardy and slightly more drought tolerant than perennial ryegrass, although those characteristics vary by variety as can be seen in this trial.

Annual Ryegrass
Total forage yields in the annual ryegrass trial seeded September 2007 ranged from 1.74 to 5.76 tons acre among varieties. Annual ryegrass is a cool-season annual bunch grass that is highly palatable and digestible. It has high seedling vigor and is well adapted to either conventional or no-till establishment methods.

Red Clover
Forage yields of red clover varieties were slightly less than 5 tons/ acre in 2008, except for Red Gold (due to poor establishment) and "common" seed (due to stand loss from diseases). Newer varieties of red clover yield more and persist longer than "common" red clover.

Contributors: Clarence Renk, Joe Davlin, Kenny Wells, Paul Brown, Lynn Ault, Greg Smith

Summary of Alfalfa Variety Performance in Ohio

Standard Trials - Insecticide Applied (values are yield as a percentage of the trial average)

		Jackson	South Charleston		Wooster		Total	Average
Variety	Marketer	2004-08	2005-08	2008	2006-08	2007-08	site-yrs	all site yrs
6415	Garst					101	2	101
6417	Garst			118			1	118
6420	Garst		102				27	101
6552	Garst			89			1	89
4A421	Mycogen Seeds		103		99		11	101
53Q30	Pioneer		100		97		7	99
54V46	Pioneer		102		100	98	21	101
55V48	Pioneer			122		103	3	110
6400HT	Garst	103	103		96	103	25	101
A 4330	Producers Choice			104			1	104
A 5225	Producers Choice					99	2	99
Ameristand 407TQ	Americas Alfalfa			98			1	98
Anchormate	Central Farm					102	2	102
Baralfa 53HR	Barenbrug USA		103				4	103
DKA 41-18 RR	Monsanto				98		3	98
FSG 408 DP	Allied Seed		102				4	102
Genoa	NK Brand Seed	97	105	98	100		16	102
HybriForce-420/wet	Dairyland	102					16	100
Integrity	Producers Choice		99				4	99
L-447-HD	Legacy Seed				103		3	103
Marvel	Allied Seed		99				4	99
PGI 459	Producers Choice			98			1	98
Radiant-AM	Ampac Seed				100		3	100
Rebound 5.0	Croplan Genetics		103				8	104
Reward II	Producers Choice	101					8	101
SummerGold	Beck's Hybrid	96					8	100
VERNAL	Public	101	94	80	95	98	87	92
WL 335 HQ	WL Research		98				8	97
WL 335 RR	WL Research				97		3	97
WL 343 HQ	WL Research			99	97	96	6	97
WL 348 AP	WL Research		98				8	99
WL 363 HQ	WL Research			93			1	93
Trial Average Yield (annual tons/acre)		4.34	7.10	1.60	7.61	8.28	--	--
Number of site years		4	4	1	3	2	--	--

Seed Marketers of Varieties Included in 2008 Forage Performance Trials

AGSP	541-926-4611	DLF -International	800-445-2251	Pennington Seed Inc.	541-451-5261
Allied Seed	660-385-6690	Doebler PA Hybrid Inc.	570-753-5503	Pioneer Hi-Bred Int'l	See local
America's Alfalfa	800-873-2532	Forage Genetics	(800) 635-5701	Producers Choice	608-786-1554
Ampac Seed	574-268-9549	Fraser Seeds Ltd.	604-929-7371	ProSeeds Marketing	541-928-9999
Ag Research USA	828-645-3872	Garst Seed Company	888-464-2778	Saddle Butte Ag.	541-491-3501
Barenbrug USA	541-926-5801	Gries Seed Farms	419-332-5571	Seed Rsch. of Oregon	541-757-2663
Becks Hybrids	800-yes-beck	Hankins Seed	541-545-6649	Seed Solutions	800-562-2459
Byron Seeds	765-435-7243	Legacy Seeds Inc.	866-866-3888	Smith Seed Service	614-890-2929
Central Farm & Garden	330-237-6446	Lewis Seed Co.	541-466-3704	Snow Brand Seed	503-443-3717
CISCO	800-888-2986	Monsanto	See local retailer	Target Seed	208-250-0376
Columbia Seeds	541-757-1468	Mountain View Seeds	503-588-7333	The Seed Center	740-666-4050
Croplan Genetics	See local retailer	Mycogen Seeds	800-mycogen	W-L Research	608-240-0630
Dairyland Seeds	800-236-0163	NK Brand Seeds	See local retailer	Wax Seed Company	800-647-1226
Derry Warehouse Co.	503-623-6969	Oregon Seeds Inc.	541-258-1001	Winfield Solutions	800-356-7333

Alfalfa Variety Trial
Ohio, South Charleston, Sown 4-14-05

Variety	2008	2007	2006	2005	2005-08	% Stand	2005-08
	--------- Tons Dry Matter/Acre ----------					Sep-08	% mean
Genoa	7.52	5.63	7.35	1.87	22.37	85	105
4A21	7.54	5.70	6.98	1.88	22.10	89	103
Baralfa 53HR	6.95	5.69	7.63	1.83	22.09	91	103
Rebound 5.0	6.97	5.82	7.39	1.90	22.08	87	103
Escalade	7.37	5.46	7.17	2.07	22.06	86	103
6400HT	7.34	5.40	7.20	2.09	22.03	85	103
FSG 408DP	7.38	5.41	7.24	1.84	21.87	89	102
54V46	7.72	5.51	7.00	1.63	21.85	91	102
6420	7.06	5.59	6.97	2.14	21.76	86	102
53Q30	6.80	5.47	7.30	1.86	21.44	84	100
Integrity	7.21	5.07	7.14	1.79	21.21	91	99
Marvel	7.25	5.30	6.50	2.15	21.19	90	99
WL 335 HQ	7.05	5.59	6.61	1.79	21.04	89	98
WL 348 AP	7.06	5.35	6.85	1.75	21.00	87	98
Vernal	6.67	4.72	6.90	1.86	20.15	89	94
Mean	7.10	5.37	7.02	1.89	21.38	88	--
LSD 0.05	ns	0.59	ns	ns	1.46	ns	--

ns = no significant differences among varieties.
2008 Fertilization: 200 lb/a of 0-46-0 and 500 lb/a of 0-0-60 in March 2008.
Insecticide applied on 13-June, 18-July, 22-August for potato leafhopper control.

Alfalfa Variety Trial
Ohio, Wooster, Sown 4-23-2007

Variety	28-May	1-Jul	4-Aug	8-Sep	2008	2007	2007-08	2007-08
	----------Tons Dry Matter/Acre ----------							% mean
55V48	3.06	2.48	1.99	1.07	8.53	2.37	10.90	103
6400 HT	3.03	2.54	2.08	0.92	8.60	2.29	10.89	103
Anchormate	3.18	2.58	1.87	0.86	8.48	2.26	10.74	102
6415	2.86	2.31	2.07	0.99	8.28	2.39	10.67	101
A 5225	3.03	2.32	1.88	0.98	8.26	2.20	10.46	99
54V46	2.84	2.32	1.95	0.97	8.15	2.23	10.38	98
Vernal	3.05	2.46	1.76	0.74	7.95	2.43	10.37	98
WL 343 HQ	2.84	2.32	1.99	0.96	8.04	2.08	10.13	96
Mean	2.98	2.41	1.95	0.94	8.28	2.26	10.54	--
LSD 0.05	0.17	ns	0.21	0.10	0.39	ns	ns	--

2008 Fertilization: 200 lb/a of 0-46-0 and 500 lb/a of 0-0-60.
Insecticide applied 16-June, 21-July & 26-August for potato leafhopper

Alfalfa Variety Trial
Ohio, Jackson, Sown 8-12-2004

Variety	2008	2007	2006	2005	2005-08	2005-08	% Stand
	------- Tons Dry Matter/Acre --------					% mean	Oct-08
6400 HT	4.45	1.11	5.55	3.07	14.18	103	79
HybriForce 420/wet	4.51	1.14	5.28	3.15	14.06	102	77
Vernal	4.24	1.14	5.46	3.12	13.97	101	71
Reward II	4.59	1.08	5.15	3.08	13.88	101	74
Genoa	4.23	1.01	5.12	3.06	13.37	97	72
SummerGold	4.01	1.05	5.22	2.92	13.27	96	74
Mean	4.34	1.09	5.30	3.07	13.79	--	74
LSD 0.05	0.30	ns	0.29	ns	0.42	--	3.38

2008 Fertilization: 50 lb/a of 0-46-0 and 100 lb/a of 0-0-60 was applied March 2008.

Alfalfa Variety Trial
Ohio, South Charleston, Sown 4-23-08

Variety	2-Jul	11-Aug	8-Sep	2008	2008
	----Tons Dry Matter/Acre ----				% mean
55V48	0.37	0.94	0.63	1.95	122
6417	0.38	0.83	0.67	1.88	118
A4330	0.20	0.80	0.66	1.66	104
WL 343 HQ	0.16	0.82	0.60	1.59	100
PGI 459	0.21	0.72	0.64	1.57	98
AmeriStand 407TQ	0.19	0.79	0.58	1.57	98
Genoa	0.24	0.78	0.56	1.57	98
WL 363 HQ	0.18	0.74	0.55	1.48	92
6552	0.16	0.68	0.58	1.42	89
Vernal	0.16	0.70	0.43	1.28	80
Mean	0.23	0.78	0.59	1.60	--
LSD 0.05	0.14	ns	ns	0.34	--

Insecticide was applied on 16-June, 18-July, 22-August for potato leafhopper control.
Herbicide was applied on June 4 for weed control.

Alfalfa Variety Trial
Ohio, Wooster, Sown 4-12-2006

Variety	2008	2007	2006	2006-08	2006-08
	---- Tons Dry Matter/Acre -----				% mean
L 447 HD	7.78	7.47	2.87	18.12	103
Genoa	7.56	7.51	2.63	17.70	100
54V46	7.50	7.51	2.63	17.65	100
Radiant-AM	7.44	7.46	2.71	17.61	100
4A421	7.55	7.13	2.75	17.44	99
DKA 41-18RR	7.29	7.41	2.61	17.30	98
WL 343 HQ	7.33	7.38	2.47	17.17	97
WL 335 RR	7.12	7.44	2.58	17.14	97
53Q30	7.49	7.00	2.64	17.13	97
6400 HT	6.98	7.32	2.72	17.02	96
Vernal	7.25	7.03	2.58	16.85	95
Mean	7.61	7.36	2.69	17.66	--
LSD 0.05	0.45	ns	0.18	0.73	--

2008 Fertilization: 200 lb/a of 0-46-0 and 500 lb/a of 0-0-60
Insecticide was applied 16-June, 21-July & 26-August for potato leafhopper control.

Ohio Forage Network

http://forages.osu.edu

Ohio Forages Blog

http://ohioforages.blogspot.com

Potato Leafhopper Resistant Alfalfa Variety Trial
Ohio, South Charleston, Sown 4-23-08

Variety	Marketers	2-Jul	11-Aug	8-Sep	Total 2008	% of Checks	Injury[a]
		---- Tons Dry Matter/Acre ----					11-Aug
53H92	Pioneer	0.27	0.64	0.32	1.21	135	2.0
FG 45H353*	Forage Genetics	0.17	0.60	0.39	1.20	133	1.8
EverGreen 3	NK Brand Seeds	0.14	0.59	0.27	0.98	109	2.5
6426	Garst	0.10	0.57	0.29	0.97	108	2.3
AmeriStand 404LH	America's Alfalfa	0.03	0.63	0.26	0.87	97	1.8
Susceptible Checks**		0.11	0.52	0.25	0.90	–	4.5
Mean		0.13	0.57	0.29	0.99	–	3.0
LSD 0.05		0.11	ns	ns	0.25	--	0.93

* Variety tested using experimental seed that may not perform identically to that of commercially available seed.

** Susceptible check varieties were Vernal, DK 140 and 5454

[a] Potato leafhopper injury where 1 = no visible injury to 5 = most severe injury.

ns = no significance difference among varieties.

Tall Fescue Variety Trial
Ohio, Jackson, Sown 8-12-2004

Variety	Marketer	2008	2007	2006	2005	2005-08	2005-08	% Stand
		---- Tons Dry Matter/Acre ---					% mean	39729
Hykor[c]	DLF Intl' Seed	4.82	2.58	6.24	5.97	19.61	107	68
Fuego	Seed Rsch Oregon	4.99	2.79	6.16	5.55	19.49	106	67
Montenore	Seed Rsch Oregon	5.50	2.49	6.20	4.68	18.86	103	72
Ky 31	Public	4.64	2.58	6.30	5.24	18.76	102	61
HYMARK	Fraser Seeds	4.64	2.26	6.13	5.54	18.58	101	77
Stockman	Seed Rsch Oregon	4.61	2.29	6.04	5.38	18.32	100	65
CSN 26*	Fraser Seeds	5.11	2.40	5.81	4.98	18.30	100	80
Seine	Seed Rsch Oregon	4.75	2.35	6.02	4.97	18.09	99	84
Jessup Max Q	Penningcon Seed	4.77	2.05	5.67	5.43	17.94	98	65
IS-FTF-12*	DLF Intl' Seed	4.31	2.34	5.79	5.39	17.83	97	78
Ridgeway	Columbia Seeds	4.82	2.50	5.39	4.85	17.56	96	75
Potomac	Public	4.49	2.26	5.01	4.91	16.67	91	17
Mean		4.79	2.41	5.90	5.24	18.33	--	68
LSD 0.05		0.57	0.38	0.99	0.71	1.60	--	13.04

* Variety tested using experimental seed that may not give performance identical to that of commercially available seed.

[c] Variety is a festulolium

** NOTE** Due to the drought in 2008 there were on y three harvest.

2008 Fertilization: 200 lb/a of 34-0-0 applied on 4-April, 150 lb/a applied on 10-June and 8-August.

Red Clover Variety Trial
Ohio, South Charleston, Sown 4-13-2006

Variety	Marketer	2008	2007	2006	2006-08	2006-08	% Stand
		----Tons Dry Matter/Acre ---				% mean	39709
Dominion	Seed Rsch of Oregon	4.92	5.52	1.53	12.14	129	46
FSG 9601	Allied Seed	4.88	5.31	1.66	12.05	128	48
StarFire II*	Ampac Seed	4.69	5.55	1.58	11.76	125	51
Duration Extra*	Cisco	4.65	5.18	1.63	11.45	122	48
Cardinal	Seed Rsch of Oregon	4.70	5.10	1.57	11.45	122	24
PGI 33*	Producers Choice	4.23	4.99	1.55	10.56	112	53
NARN	DLF Int'l Seeds	4.03	5.10	1.39	10.39	110	16
Common **	Public	0.02	1.73	1.08	2.85	30	10
Red Gold **	Pro Seeds Marketing	0.97	0.93	0.24	2.07	22	20
Mean		3.67	4.38	1.36	9.41	35	--
LSD 0.05		0.73	0.31	0.32	0.96	24.3	--

* Variety tested using experimental seed that may not give performance identical to that of commercially available seed.

** NOTE** Red Gold & Common low yield is due to a poor stand.

2008 Fertility: 200 lb/a of 0-46-0 and 500 lb/a of 0-0-60, 2 ton of lime.

Orchardgrass Variety Trial
Ohio, South Charlestor, Sown 4-13-2006

Variety	Marketer	2008	2007	2006	2006-08	2006-08	Maturity[a]
		--- Tons Dry Matter/Acre ----				% mean	20-May
OG 0204G*	Seed Rsch Oregon	5.11	6.48	3.72	15.30	123	3.8
Command	Seed Rsch Oregon	4.57	5.26	4.11	14.12	114	4.3
OG 001*	Seed Rsch Oregon	4.69	5.29	3.92	14.00	113	3.8
Endurance	DLF Intl	4.27	4.87	4.42	13.56	109	4.3
Persist	Smith Seed Srvs.	4.75	5.13	3.49	13.40	108	4.5
Potomac	Public	4.37	5.21	3.19	12.83	103	3.3
Shiloh II	Pro Seed Mkt.	4.37	3.88	4.69	12.75	103	4.3
RAD-LCF-21*	Lewis Seed Co.	4.37	4.24	4.17	12.67	102	3.5
AGRDG 101*	Ag Rsch. USA	0.02	0.01	3.24	3.09	25	1.0
Mean		4.05	4.48	3.86	12.41	–	3.6
LSD 0.05		0.58	0.81	0.77	1.17	–	0.95

* Variety tested using experimental seed, may not perform identically to that of commercialy available seed.

** NOTE ** variety AGRDG 101 did not survive the 2006 winter.

[a]Maturity: 1 =vegetative, 2 =early boot, 3 =initial emergence from boot,

4 =complete head emergence, 5 = elongated seed cycle.

2008 Fertilization: 200 lb/a of 34-0-0 on 4-Apr , 150 lb/a on 24-May and 27-August

Teff Variety Trial
Ohio, South Charleston, Sown 6-12-2008

Variety	Marketer	21-Jul	18-Aug	25-Sep	Total 2008
		------- Tons Dry Matter/Acre -------			
Tiffany	Gries Seed Farm	1.33	1.20	0.79	3.33
VA-T1 (Brown)	Hankins Seed	1.37	1.15	0.76	3.28
Dessie	Allied Seed	1.30	1.22	0.72	3.24
Mean		1.33	1.19	0.75	3.28
LSD 0.05		ns	ns	ns	ns

Establishment: Seeded in rows at 5 lb/acre.

2008 Fertilization: 130 lb/a of 16-0-0 was applied prior to planting.

ns = no significant difference

Sorghum x Sudangrass & Sudangrass Variety Trial
Ohio, South Charleston, Sown 6-12-2008

Variety	Marketer	21-Jul	18-Aug	25-Sep	Total 2008
		-------- Tons Dry Matter/Acre -------			
S-222[a]	Allied Seed	2.01	1.02	1.20	4.21
Greengrazer V[a]	Allied Seed	2.14	0.85	1.22	4.18
ProMax[b]	Ampac Seed	1.72	1.21	1.17	4.11
FSG 208 BMR[a]	Allied Seed	1.82	0.63	1.44	3.92
MS 202 BMR[a]	Allied Seed	1.86	0.85	1.17	3.89
Mean		1.91	0.91	1.24	4.06
LSD 0.05			0.23	0.22	0.42

Establishment: Seeded in rows at 24 lb/acre.

2008 Fertilization: 130 lb/a of 16-0-0 was applied prior to planting.

[a] Variety is sorghum x sudangrass.

[b] Variety is sudangrass.

Forage Sorghum Variety Trial
Ohio, South Charleston, Sown 6-12-2008

Variety	Marketer	25-Sep-08
		- Tons Dry Matter/Acre -
Cowvillles	Allied Seed	4.66
BMR 106	Allied Seed	4.04
Mean		4.35
LSD 0.05		0.58

Establishment: Seeded in rows at 12 lb/acre.

2008 Fertilization: 130 lb/a of 46-0-0 was applied prior to planting.

Annual Ryegrass Variety Trial
Ohio, South Charleston, Sown 9-6-2007

Variety	Marketer	1-Nov-07	Total 2008	Total 2007-08	Maturity[a] 7-May	Maturity[a] 30-May	Maturity[a] 12-Jun	% Stand May-08
		--- Tons Dry Matter/Acre ---						
RAD-CP5212*	Mountain View Seeds	0.14	5.62	5.76	1.1	3.1	5.0	96
MO-1*	DLF International	0.26	4.46	4.72	1.8	3.3	6.0	91
Max	Seed Research Oregon	0.26	4.42	4.69	1.0	2.7	4.5	86
Dino	Saddle Butte Ag Inc.	0.19	4.24	4.43	1.7	2.6	6.0	84
Ace	Snow Brand Seed	0.21	4.13	4.35	1.0	3.0	4.8	92
Barextra	Barenbrug	0.15	4.14	4.28	1.4	3.4	5.0	90
Hercules	Barenbrug	0.17	3.69	3.86	1.5	3.6	5.5	87
Flying A	Oregon Seeds Inc.	0.27	3.47	3.74	2.0	2.8	6.3	96
Marshall	Wax	0.14	3.60	3.74	2.0	2.3	6.0	97
Bounty	Saddle Butte Ag Inc.	0.23	3.47	3.70	2.6	3.2	6.5	94
FL/NE	Oregon Seeds Inc.	0.02	3.68	3.70	2.8	3.7	6.0	76
Striker	Seed Research Oregon	0.28	3.42	3.69	2.3	3.9	6.5	81
OCALA	AGSP	0.11	3.50	3.61	2.7	3.3	6.8	90
50561 TA*	AGSP	0.12	3.47	3.59	1.3	4.4	6.5	75
Tam TBO	Oregon Seeds Inc.	0.23	3.12	3.35	1.5	3.8	6.0	70
Jackson	Wax	0.22	2.92	3.14	3.3	4.1	7.0	80
Graze N Gro	Seed Research Oregon	0.18	2.92	3.09	1.8	4.1	6.5	88
Bulldog	Derry Warehouse Co.	0.20	2.89	3.09	3.1	3.4	6.5	81
Tachimusha	Snow Brand Seed	0.22	2.84	3.06	2.9	5.1	6.8	61
AM4N	The Seed Center	0.20	2.69	2.89	1.7	4.9	7.0	67
Billiken	Snow Brand Seed	0.24	2.53	2.77	1.2	4.1	5.3	65
Yushun	Snow Brand Seed	0.18	2.56	2.75	3.9	4.9	6.8	79
Gulf	Public	0.31	2.39	2.70	1.7	4.4	5.8	78
Dryann	Snow Brand Seed	0.22	2.37	2.59	2.2	4.4	7.0	77
Tachimasari	Snow Brand Seed	0.23	2.23	2.46	3.4	4.1	6.5	71
Hanamiwase	Snow Brand Seed	0.25	1.48	1.74	5.0	5.7	7.0	66
Mean		0.20	3.32	3.52	2.2	3.8	6.1	81
LSD 0.05		0.09	0.64	0.61	0.80	0.87	0.81	12.61

* Variety tested using experimental seed that may not give performance identical to that of commercially available seed

Maturity[a] 1 =vegetative, 2 =early boot, 3 =initial emergence from boot, 4 =complete emergence, 5 = elongated peduncle, 6 = preanthesis, 7 = anthesis, 8 = post anthesis.

Perennial Ryegrass Variety Trial
Ohio, South Charleston, Sown 4-14-2005

Variety	Marketer	2008	2007	2006	2005	2005-08	2005-08
		---- Tons Dry Matter/Acre -----					% mean
Perun[a]	Byron Seeds	2.95	2.83	8.67	1.84	16.47	138
Aubisque	Seed Solutions	2.43	2.32	6.26	1.01	11.98	101
Mathilde	DLF International	2.54	1.87	6.06	1.22	11.64	98
Respect	Doebler's P.A. Hybrids	2.28	1.91	5.17	0.87	10.50	88
Portia	DLF International	2.40	1.75	4.87	1.00	9.87	83
CSBF 124[a]	Saddle Bulle Ag	0.02	-0.34	3.70	1.26	4.60	39
Mean		2.39	2.00	6.30	1.23	11.92	--
LSD 0.05		0.47	0.72	0.85	0.36	1.52	--

[a] Varieties are festuloliums -- variety CSBF 124 did not survive the 2006 winter.
2008 Fertilization: Applied 150 lb/a of 34-0-0 4-April, 24-May and 26-June

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Seed corn pricing mysteries revealed

Seed corn salesmen have been likely calling regularly to book your 2009 order, and you have been appalled at the price increase. "High tech, it does everything," they say, and while that may be true, seed companies implement pricing strategies that are high tech themselves. What is behind seed corn pricing, anyway?

Shop rags come in a bundle, just like seed corn traits, and while that comparison is only intended to depict bundling, it serves to indicate whether you buy one or many, the price will be strategically adjusted depending on many factors. A trio of University of Wisconsin agricultural economists, Guanming Shi, Jean-Paul Chavas and Kyle Stiegert, analyzed at component pricing, bundle pricing and mixed bundle pricing, the latter of which allowed farmers to have a choice of traits and dominated the other strategies.

Research shows a 67-fold increase in genetically modified crops planted in the United States and around the world in the past 12 years, bolstering the economic power of a few large biotech firms that have been formed with vertical and horizontal mergers. The Wisconsin ag economists analyzed the trends in seed corn pricing from 2000 to 2007 with the industry dynamics in full swing, particularly comparing the pricing of genetically modified (GM) bundled seed with conventional seed corn, while gauging the market power of the biotech firms.

Interestingly, the pricing information did not come from the companies, but from more than 38,000 farms in 48 states, which bought seed in nearly 169,000 transactions. When the complete data was distilled, it covered 94% of the total seed varieties. Regarding the biotech share of the seed corn market, it expanded from 27% in 2000 to more than 74% in 2007. And while some hybrids are available for only a few years, biotech and conventional hybrids disappear from the market at the same rate.

The researchers found that depending on your state, there is an automatic premium added, except for Kentucky.

"Ordered from high to low premium, these states are: Nebraska ($7.50), Iowa ($7.00), Kansas ($6.86), Missouri ($6.31), Illinois ($5.96), Minnesota ($5.24), Colorado ($5.01), South Dakota ($4.75), Pennsylvania ($3.93) and Indiana ($3.70). This shows that the main corn-producing states in the Corn Belt charge more for corn seeds (e.g., Illinois or Iowa). It suggests that seed companies do price discriminate across regions."

Not surprisingly, the introduction of biotech varieties increased seed prices, but for both biotech and conventional seed. They also found that large farms pay more for seed, possibly due to the fact they are more productive and willing to pay more for high quality seed. Additionally, the average price rises about 2% per year, which is less than the inflation rate.

The Wisconsin trio examined seed corn pricing in Illinois in 2004 to illustrate how stacked traits were actually priced:

- Conventional seed corn averaged $88.33 per bag.
- The Bt corn borer trait added $20.49
- The Bt rootworm trait was alone worth $27.28.
- One herbicide tolerant trait was priced at $14.51, another at $6.83.
- Double stacking of corn borer and rootworm traits added $35.51.
- Triple stacking of corn borer, rootworm and herbicide tolerance added $37.30.
- Quadruple stacking added $39.45 for corn borer, rootworm and both herbicide tolerant traits.
- The market power of the seed company added more than 8% to the price.

Great advancements have been made in seed corn technology since the turn of the century, and farmers have had choices of purchasing conventional seeds, or biotech seed with a variety of different genetic traits focused on either insect resistance or herbicide tolerance. Seed companies, which frequently merge to acquire increased market power, also acquire new technology, which allows them to offer seeds that have multiple traits packaged in one hybrid. Pricing of the traits can become complex, and has rapidly increased over time, but has also allowed farmers to purchase combinations of seed with some degree of savings within a bundled trait package.

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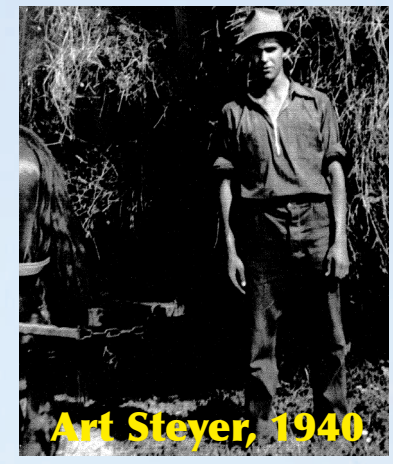

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