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Michigan Corn Production Hybrids Compared
Michigan State University Extension Service
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2004^E Michigan Corn Hybrids Compared



MICHIGAN STATE
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Table of Contents

Introduction	3	Grain Index	30
Soil Pests	4	Corn Silage	32
Corn Grain	6	Silage	
Zone 1 - Grain	8	Agronomics	33
Zone 2 - Grain	12	Zone 1 - Silage	34
Roundup Ready	18	Zone 2 - Silage	38
Zone 3 - Grain	22	Zone 4 - Silage	42
Zone 4 - Grain	26	Zone 5 - Silage	44
Zone 5 - Grain	28	Silage Index	46
Grain Agronomics	29	Company Index	47

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2004

Michigan Corn Performance Trials

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Introduction

The Michigan State University Department of Crop and Soil Sciences conducts hybrid corn trials each year in cooperation with MSU Extension, seed corn companies, and farmers.

Entries

Seed companies are invited to enter hybrids in the trials. A fee is charged to cover expenses.

Separate indexes for grain and silage present a list of all hybrids entered in the 2004 trials (pg. 30 and 46, respectively). Thirteen grain and nine silage locations were planted. A total of 315 hybrids from 30 seed companies (32 brand names) make up the 525 entries. This translates to 1,502 separate county entries. Company names used in association with hybrid numbers refer to the brand. The numbers are the companies' designations. Numbers in parentheses refer to the tables in which each hybrid appears. Hybrids that have a seed-applied insecticide that may enhance yield are listed in the table column TRT. Treatment codes are listed in the table on page 11.

How to Use This Bulletin

Tables list hybrids alphabetically. Tables contain yield results for each location and zone averages. Complete one-, two-, and three-year yield results are listed in tables for each zone where data is available. One-year single-site results are less reliable than multi year and multi location averages and should be interpreted with more caution. Confidence in corn performance data increases as the number of years and the number of testing locations increase. Results are also listed on our Web site:

<http://www.css.msu.edu/varietytrials/>

The results shown are the average of four replications grown in close proximity to one another. Two or more plots of the same hybrid in the same field may produce somewhat different results because of uncontrolled variability in the soil and other environmental factors. Replication and randomization of the entries are two methods used to reduce this variation. Because these methods do not eliminate all variables, the magnitude of difference necessary for statistical significance has been calculated for yield, moisture

content, and test weight. The value calculated as the least significant difference (LSD) is the amount that an individual hybrid would have to differ from another hybrid in the same test to be considered significantly different from that hybrid. The CV, or coefficient of variability, is indicative of a trial's precision. Trials with low levels of error variation have lower CV values.

Hybrids that are not significantly different from the highest yielding hybrid are marked with an asterisk (*) in each table (highest yielding hybrid is marked with **). Other agronomic information relative to each trial is given in tables B and C. Fertilizer amounts are shown as total pounds per acre of nitrogen, P_2O_5 and K_2O applied during the season.

Growing Conditions in 2004

All trials but Saginaw in Zones 1 & 2 were planted the last week of April. The remaining locations were planted between May 4th and May 11th, with two exceptions, Huron & Alpena Counties were planted June 3rd & 4th. Silage harvest began on Sept. 10th and ended on Oct. 13th. Grain harvest was completed between Oct. 19th and Nov. 9th. Grain trials in Delta and Alger counties were harvested as Silage.

Excellent field conditions in late April allowed for the planting of eight trials before April 30th. Wet weather delayed further planting for about a week. Planting resumed for us on May 4th. Lighter soils in Western Michigan allowed those growers to resume planting on well drained fields. Prolonged wet weather over the eastern parts of Michigan kept those growers out of the fields until Labor Day. Planting continued into late June for growers who were unable to get fields planted in April.

With plenty of rain in May, April planted corn looked good throughout the growing season. Cooler temperatures in Michigan delayed development of late planted corn. The crop remained about a week to ten days behind normal development. Delaying the start of both silage and grain harvest. Good harvest weather made for timely harvest of early planted corn. Later planted corn (late May and June) had a much harder time reaching maturity, resulting in poor field dry down. This has resulted in delayed harvest reaching into late November. The return of wet weather will now further delay a prolonged harvest. The lack of sufficient Growing Degree Days (GDD) in the Upper Peninsula (UP) slowed maturity of our grain trials in Delta and Alger counties. They were unable to reach complete maturity before the first killing frost on September 29th.

Early Season Soil Pests

*Chris DiFonzo, Extension Field Crop Entomologist
Michigan State University*

Soil pest problems seem to be increasing each year. This may be a result of using reduced-tillage, since mechanical tillage brings soil insects to the surface and physically damages insects. Another factor may be the presence of annual weed cover in the spring, especially in systems using Roundup Ready crops. Annual weeds may serve as food for soil insects like grubs, plus act like a cover crop or green manure, attracting seedcorn maggot as the weed decays in the soil. Field planted under cold, wet conditions are often most vulnerable to early season soil pests. These fields emerge slowly or not at all, giving insects a greater chance to feed on seeds and seedlings. Here is a reminder of some of the soil pests that could be a problem under such conditions.

Seedcorn Maggot

Seedcorn maggot adults are flies, which emerge in late April to May. The adults cause no damage, but the white, legless larvae (maggots) feed directly on seeds and on roots of seedlings. Females prefer fields with high organic matter, hence mucky, mulched, manured, or weedy areas are at a greatest risk for attracting egg-laying females. Fields with less organic matter may suffer damage if cool, wet weather delays plant emergence, and maggots have a longer time to attack the seed. When damage occurs, a large part of the field is usually involved because the conditions attractive to egg-laying females are present over most of the area.

Skips or strips with poor emergence may indicate seedcorn maggot damage. Unfortunately, there are no rescue (post planting) options once maggot damage is identified. If planting late into wet soil with high organic matter from manure, annual weeds, or a cover crop, you may need to use treated seed or a soil insecticide. There are many options for corn – seed treatments like Kernal Guard, Poncho, and Cruiser can be used at planting, and most of the soil insecticides registered for corn rootworm control will take care of maggots. Options are more limited for soybean. Although planter box treatments can aid in maggot control. If replanting a damaged field, tillage can bring maggots up to the surface, killing them.

Wireworms

Wireworms are the larvae of click beetles. The adult is harmless, but the long, brown larvae feed on both seeds and seedlings. Wireworms are most often found in fields with little disturbance, for example, in sod, pasture, or hay

fields going back into production. Wireworms have a long life span, up to four to five years in some cases, so infrequent disturbance gives them a chance to complete development. Like the seedcorn maggot, cool, wet weather increases the amount of wireworm damage by exposing seeds and seedlings to feeding for a greater time. But unlike maggot, wireworm damage is often patchy in a field, since wireworms cannot move very far in the soil.

There are no effective rescue treatments for wireworms in corn or beans. However, there are thresholds based on bait traps placed out early in the spring. In a 40-acre field, the recommendation is to use 10-12 bait traps, set out 2 weeks before planting. The traps consist of a hole, 3 to 4 inches deep and 10 inches wide at soil surface. Dump in $\frac{1}{2}$ - 1 cup of corn and untreated wheat seed, fill the hole, and mound the dirt on the surface. Cover the mound with a square piece of black plastic to heat the soil and hasten seed germination. Cover the black plastic with a larger, protective piece of clear plastic, burying the edges in soil to hold it in place. The corn and wheat germinates, attracting wireworms in the surrounding soil. A few days before planting, remove the plastic and soil covering the bait trap and count the number of wireworm larvae found in each station. The threshold for using a seed treatment or soil insecticide is an average of 1 or more wireworms per trap.

For corn, there are many options for wireworm control. Seed treatments, such as Kernel Guard, Cruiser, and Poncho protect the seed until germination. Corn rootworm soil insecticides protect both seeds and the seedlings. Note that Bt corn for rootworm control is NOT effective against wireworms. For rowed-soybeans, Thimet (phorate) banded at rate of 6 oz per 1,000 row feet will aid in control of wireworms, although wireworms are not specifically listed on the product label. Thimet cannot be broadcast over drilled beans.

White grubs

True white grubs are larvae of May/June beetles, while annual grubs are the larvae of Japanese beetle, European chafer, and several other species. Adults may feed on plants later in the season, but the larvae generally do the most damage, feeding on crop roots. Like wireworms, many true white grubs have a long life cycle, up to two to three years, and thus are found in higher numbers in undisturbed areas - sod, pasture, etc.

Soil Pests Continued on page 23.

TABLE A GROWING SEASON SUMMARY - TEMPERATURE, PRECIPITATION AND GROWING-DEGREE-DAY ACCUMULATIONS

COUNTY	MAY			JUNE			JULY			AUGUST			SEPTEMBER			SEASON		
	OBS	NORM	DEV	OBS	NORM	DEV	OBS	NORM	DEV	OBS	NORM	DEV	OBS	NORM	DEV	OBS	NORM	DEV
Zone 1 MONROE (Lenawee)	61.2	58.3	2.9	67.2	67.8	-0.6	70.9	71.7	-0.8	67.5	69.9	-2.4	66.6	62.6	4.0	66.7	66.1	0.6
	7.52	3.04	4.48	4.03	3.30	0.73	4.39	3.73	0.66	4.64	3.20	1.44	1.67	2.62	-0.95	22	15.89	6.36
	400	353	47	516	542	-26	638	658	-20	545	616	-71	513	432	81	2612	2601	11
ST. JOSEPH (Branch & Cass)	61.3	59.2	2.1	65.8	68.4	-2.6	70.6	71.9	-1.3	66.1	70.1	-4.0	65.3	63.3	2.0	65.8	66.6	-0.8
	7.79	3.12	4.67	4.16	3.95	0.21	3.30	3.79	-0.49	3.68	3.16	0.52	0.85	3.01	-2.16	20	17.03	2.75
	392	381	11	484	564	-80	645	670	-25	509	628	-119	479	454	25	2509	2697	-188
KENT	60.0	57.4	2.6	66.7	67.1	-0.4	70.8	71.2	-0.4	66.4	69.5	-3.1	65.6	61.9	3.7	65.9	65.4	0.5
	9.29	2.86	6.43	3.09	3.68	-0.59	2.56	2.95	-0.39	3.41	3.14	0.27	0.67	3.24	-2.57	19	15.87	3.15
	370	335	35	501	530	-29	640	654	-14	510	610	-100	487	412	75	2508	2541	-33
INGHAM	58.6	57.5	1.1	65.2	67.0	-1.8	69.2	70.7	-1.5	65.4	69.0	-3.6	64.9	62.0	2.9	64.7	65.2	-0.6
	10.44	2.73	7.71	3.08	3.54	-0.46	3.80	3.02	0.78	3.19	3.12	0.07	1.02	2.50	-1.48	22	14.91	6.62
	347	338	9	476	530	-54	595	640	-45	493	598	-105	475	418	57	2386	2524	-138
SAGINAW	56.5	58.6	-2.1	65.1	68.2	-3.1	68.5	72.1	-3.6	65.8	70.2	-4.4	64.6	62.9	1.7	64.1	66.4	-2.3
	8.25	2.49	5.76	2.72	3.09	-0.37	1.07	2.83	-1.76	2.41	3.29	-0.88	0.74	2.76	-2.02	15	14.46	0.73
	275	367	-92	464	555	-91	574	670	-96	506	623	-117	478	438	40	2297	2653	-356
HURON	54.2	55.2	-1.0	63.5	64.9	-1.4	68.0	69.3	-1.3	65.0	67.8	-2.8	65.0	61.0	4.0	63.1	63.6	-0.5
	5.97	2.58	3.39	3.52	2.88	0.64	2.44	2.93	-0.49	2.54	3.01	-0.47	0.09	2.67	-2.58	15	14.07	0.49
	247	298	-51	428	479	-51	557	602	-45	476	569	-93	484	387	97	2192	2335	-143
MONTCALM	56.3	57.7	-1.4	64.0	67.1	-3.1	66.0	71.0	-5.0	64.2	69.3	-5.1	63.8	61.6	2.2	62.9	65.3	-2.5
	8.18	2.88	5.30	3.13	3.43	-0.30	2.50	2.50	0.00	1.99	3.84	-1.85	0.32	3.12	-2.80	16	15.77	0.35
	260	351	-91	435	536	-101	567	646	-79	458	603	-145	441	414	27	2161	2550	-389
MASON	56.4	54.4	2.0	63.7	63.6	0.1	68.4	68.5	-0.1	66.1	67.2	-1.1	65.7	60.2	5.5	64.1	62.8	1.3
	10.73	2.48	8.25	7.49	2.93	4.56	2.15	2.18	-0.03	3.97	3.79	0.18	0.66	3.25	-2.59	25	14.63	10.37
	225	273	-48	411	450	-39	571	587	-16	499	552	-53	471	365	106	2177	2227	-50
ALPENA	51.2	52.0	-0.8	61.3	61.7	-0.4	66.7	66.6	0.1	64.2	64.9	-0.7	64.6	57.2	7.4	61.6	60.5	1.1
	7.08	2.78	4.30	1.54	3.12	-1.58	3.65	3.11	0.54	1.93	3.23	-1.30	0.42	3.08	-2.66	15	15.32	-0.70
	111	251	-140	340	413	-73	518	534	-16	439	496	-57	439	317	122	1847	2011	-164
GRAND TRAVERSE	52.9	53.5	-0.6	63.0	63.7	-0.7	66.6	68.8	-2.2	64.7	67.3	-2.6	65.2	59.3	5.9	62.5	62.5	0.0
	6.67	2.48	4.19	1.35	3.15	-1.80	1.31	2.88	-1.57	3.40	2.93	0.47	0.99	3.60	-2.61	14	15.04	-1.32
	150	273	-123	389	454	-65	514	587	-73	455	552	-97	455	348	107	1963	2214	-251
MENOMINEE (Delta)	50.4	53.6	-3.2	59.9	62.7	-2.8	65.3	67.4	-2.1	61.8	65.5	-3.7	62.6	57.0	5.6	60.0	61.2	-1.2
	4.63	3.57	1.06	3.97	3.72	0.25	4.61	3.63	0.98	1.46	3.86	-2.40	1.46	3.60	-2.14	16	18.38	-2.25
	98	285	-187	298	438	-140	473	559	-86	366	513	-147	381	319	62	1616	2114	-498
TEMP = Mean temperature (°F) PPT = Precipitation (inches) GDD = Growing Degree Day calculated at base 50°F, with an 86°F cutoff																	OBS = Totals observed in 2004 NORM = Normals calculated over 30 year period (1951-1980) DEV = Deviation of observed from normal	
																	Table courtesy of MSU Agricultural Weather Office (517-355-0231)	

2004

Grain Performance Trials

Introduction

Thirteen locations (see map) containing 29 grain trials were planted, with 26 trials harvested for grain. The grain index (pg.30) contains a list of all hybrids planted in the 2004 grain trials.

Yield data for Zone 1-, Branch, Cass, and Lenawée counties- are reported in **Tables 1E** and **1L**. Yield data for Zone 2-, Ingham, Kent and Saginaw counties- are reported in **Tables 2E** and **2L**. Zone 3 trials- Huron, Mason, and Montcalm counties- are reported in **Tables 3E** and **3L**. Zone 4 data- Alpena, Delta (L), and Grand Traverse counties- are reported in **Table 4**. Grain trials in Delta county (both E & L) plus Alger county were harvested as silage due to lack of maturity. Those hybrids estimated to make grain had a hand picked sample taken. Ear moisture and Test weight were determined from these samples while yield was calculated from the dry shelled kernel weight. The Delta county trial also showed signs of slight herbicide damage due to cool weather. Silage and grain yields for Alger and Delta (E) trials are reported in **Table 5**. The Roundup Ready Trial conducted in Huron and Montcalm Counties (Zone 3) and Saginaw County (Zone 2) , are reported in **Tables 6E** and **6L**. Hybrids are reported in alphabetical order by seed treatment in each of the tables. The average of hybrids within each seed treatment is presented in each table where applicable.

Methods

Three trial locations were planted in each of four maturity zones. Zone 5 had two locations. These zones are based on available growing degree-day units established from long-term weather records. Hybrids entered in a zone were tested in each of the three designated locations. Entries for Zones 1, 2 and 3 are divided into two maturity groups (early and late) on the basis of maturity ratings provided by the seed companies. (In zones 4 and 5, all hybrids were tested in one group.)

Four-row plots were used at all grain locations. The two center rows were harvested for yield. Plots were 22 feet long with 30-inch row spacing.

Experimental design, data acquisition, analysis of variance and data summarization were facilitated in part by AGROBASE Generation 11™ (Agronomix Software, Inc., Winnipeg, Canada). The experiment layout is a four-replication, lattice design. Hybrid performance is reported as the adjusted mean averaged together from four replicated plots.

Variety trials were conducted on farmers' fields. All hybrids in a location were managed the same, with the

same fertilizers, population, date of planting and other management practices. In the field, hybrids were identified only by a plot number to assure unbiased comparisons. Trials in Branch, Cass, Montcalm and Mason counties were irrigated.

Stand counts were recorded in June. Plots with stand counts higher than the desired population were thinned at this time. Average trial population plus the desired population rates are listed in Table B (grain page 29) and Table C (silage page 31). Lodging measurements were made at harvest. All plants broken below the ear and/or leaning more than 45 degrees were counted. Plots were harvested mechanically. Moisture content and field weight were measured by a GrainGage™, a HarvestMaster System™ mounted on the plot combine. Grain yield is reported at a standard 15.5 percent moisture. Grain test weight is reported at harvest moisture. Automated test weight equipment loses some accuracy as harvest moistures increase. Test weight values should be used to determine relative rank and not as a precise weight.

Replicated grain samples were collected from one location in each zone (Branch, Ingham, Montcalm, and Grand Traverse counties) and were tested for protein, starch and oil content using near infrared reflectance (NIR) quality analysis. The results are presented in each table.

The tables report the following information about the hybrids tested:

1. Moisture content at harvest (%H2O).
2. Yield (in bushels per acre) of shelled corn corrected to 15.5 percent moisture (Bu/A)
3. Test weight at harvest moisture (Twt).
4. Percent of stalk lodging (plants broken below the ear and/or 45 degrees off vertical at harvest) (%SL).
5. Percent stand of target population (%Std).
6. Percent protein (Prot), percent oil (Oil) and percent starch (%Strch) content are reported at 15.5 percent grain moisture.

How to Choose a Hybrid

Adaptation

The map on this page shows the locations of the grain trials and divides Michigan into four generalized maturity zones. Local variations in weather, soil type and fertility, time of planting and other conditions all affect adaptation. Corn hybrids are often adapted to more than one zone.

In selecting a hybrid, there is no real substitute for observing individual characteristics while plants are growing. The best time to compare plants is usually in late August or early September as they approach maturity. Each year, demonstration plantings of each hybrid are planted at a limited number of test locations. In 2004, the public was invited to view the hybrids at three locations with a scheduled field tour. Examining plant and ear characteristics can help you select hybrids suitable for your production system. (Yield results are not taken from the demonstration plot.) The estimated grain yields for Delta and Alger counties should only be used as a guide for determining which hybrids have the best opportunity for producing a grain crop during a cool growing season.

Planting Rate

The number of seeds sown per acre in Michigan has increased steadily over the past several years. In general, modern corn hybrids can withstand the stress of higher plant populations better than earlier hybrids. However, increased planting rates are not a guarantee of increased yield. Check with your seed dealer for information on which hybrids perform better at higher populations when grown on your soil type.

Maturity

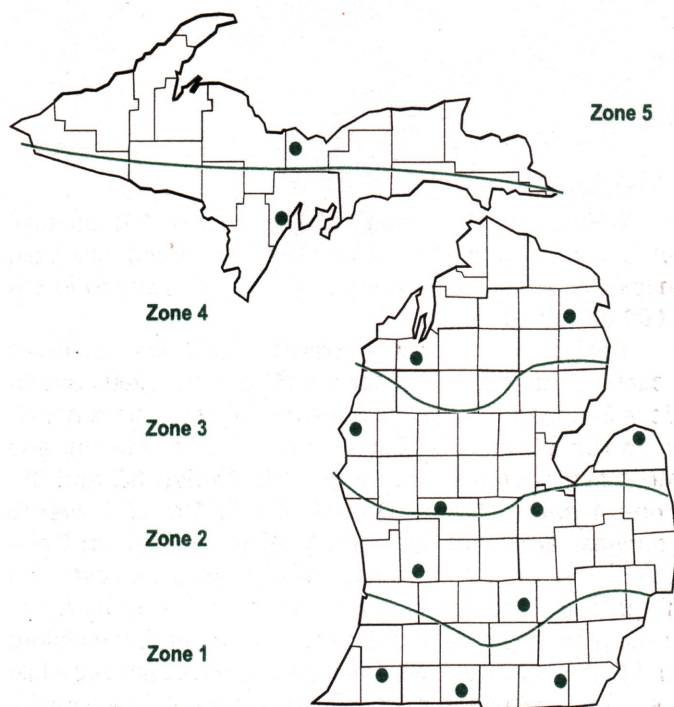
Early-maturing hybrids are generally lower in moisture content than later-maturing hybrids at harvest. Differences among hybrids in rate of dry down in the field also affect moisture content at harvest.

It generally requires two days for grain moisture to fall 1 percent. Corn is considered physiologically mature when a black layer of cells forms at the base of the kernel. This black layer is an indication of the end of active growth processes. At this time, kernel moisture will be between 32 and 35 percent.

Early-maturing hybrids also create a better opportunity for reaching full maturity and good field dry-down when planting is delayed due to wet weather as experienced in 2003 and 2004.

For Grain

When you are selecting a hybrid, yield should not be the only consideration. A hybrid with lower moisture but above average yield will often have higher net returns than a top-yielding hybrid with higher moisture. A one-point



2004 Grain Trial Locations

increase in moisture requires about 2 more bushels in yield to break even. It is often better to choose earlier hybrids (below average moisture content) than later hybrids for grain. Data in the tables show that good yields do not necessarily depend on later maturity.

Seven Advantages of Early-Maturing Hybrids:

1. They usually mature before killing frost.
2. Adapted early hybrids can generally yield as much as late hybrids in most areas of Michigan.
3. Early hybrids with lower moisture content at harvest reduce drying time and market discounts for high grain moisture.
4. Grain test weights are generally higher, resulting in reduced market discounts.
5. Mature, dry corn makes a superior feed grain when used in swine or poultry rations.
6. Harvest can take place earlier in the fall, when weather conditions are most favorable. Early harvest may reduce corn losses resulting from broken stalks and dropped ears.
7. Fall tillage of corn stubble can be completed on land not subject to erosion.

TABLE 1E.

BRANCH, CASS & LENAWEE COUNTY GRAIN TRIALS - EARLY (107 Day and Earlier)

ZONE 1

2004				BRANCH - Early				CASS - Early				LENAWEE - Early				EARLY TRIAL AVERAGE				QUALITY							
Brand / Hybrid	RM	TRT		%H2O Bu/A	Twt	%SL	%Std	%H2O Bu/A	Twt	%SL	%Std	%H2O Bu/A	Twt	%SL	%Std	%H2O Bu/A	Twt	%SL	%Std	Prot	Oil	Strch					
BAYSIDE NorthGro NGEX2785YG	106			23.9	176.8	52.2	1.9	87	20.1	178.0	55.5	2.6	79	25.9	205.7	51.2	0.4	91	23.3	186.8	53.0	1.6	86	8.0	3.7	60.0	
	105			20.9	185.6	53.3	1.3	98	19.3	178.5	55.6	3.2	91	24.0	206.4	52.1	1.3	98	21.4	190.1	53.7	2.0	96	7.4	3.8	60.3	
	107			24.9	213.1	53.5	3.9	100	19.4	179.8	56.2	3.0	88	26.6	209.2*	50.4	0.3	99	23.6	200.7	53.3	2.4	96	8.1	3.9	59.4	
	106			25.0	223.8**	53.4	0.3	99	19.2	186.6	55.8	3.6	92	25.9	206.2	51.3	0.3	100	23.4	205.5	53.5	1.4	97	8.2	3.6	59.5	
	104			21.6	178.4	55.3	3.4	98	19.1	178.8	57.6	2.5	79	22.9	205.5	55.4	1.0	96	21.2	187.5	56.1	2.3	91	7.9	3.9	59.6	
	102			18.3	172.9	54.5	3.3	100	16.5	185.1	56.3	3.1	95	20.1	190.0	56.2	3.6	100	18.3	182.6	55.7	3.3	98	7.0	4.1	60.0	
	103			20.8	170.4	54.4	2.0	100	18.6	202.3	57.0	1.1	95	20.7	195.8	55.2	0.0	100	20.0	189.5	55.5	1.0	98	6.4	3.3	61.8	
	104			19.0	179.6	54.8	1.6	100	16.5	214.8*	56.4	1.3	98	21.4	194.9	55.0	0.3	100	19.0	196.4	55.4	1.1	99	7.1	4.4	59.4	
	105			19.8	187.1	53.6	2.6	100	21.2	185.0	55.8	3.1	87	24.0	205.3	52.7	0.3	100	21.7	192.5	54.0	2.0	96	6.8	3.6	59.8	
	106			23.0	193.1	52.7	1.5	91	19.9	163.1	55.7	3.4	68	27.3	174.9	49.9	1.4	92	23.4	177.0	52.8	2.1	84	7.3	3.5	61.4	
Average				21.7	188.1	53.8	2.2	97	19.0	185.2	56.2	2.7	87	23.9	199.4	52.9	0.9	98	21.5	190.9	54.3	1.9	94	7.4	3.8	60.1	
MYCOGEN 2E633	107	C125		20.9	187.2	54.8	1.0	100	19.7	210.2*	56.1	0.7	97	25.7	198.4	52.5	0.7	99	22.1	198.6	54.5	0.8	99	7.0	3.5	60.9	
	106	C125		22.0	191.8	53.9	1.0	100	19.2	190.8	56.5	3.8	94	24.7	205.9	52.0	0.0	100	22.0	196.2	54.2	1.6	98	6.7	3.6	60.0	
	102	C125		21.9	205.1	56.3	0.0	100	17.6	185.8	58.2	2.1	95	22.5	186.0	55.1	0.3	99	20.7	192.3	56.5	0.8	98	7.4	3.6	60.1	
	105	C125		23.3	191.7	55.4	2.5	93	19.2	176.1	57.3	2.0	84	23.2	202.3	54.0	1.0	98	21.9	190.0	55.5	1.8	92	7.0	3.3	61.9	
	105	C125		22.6	183.9	55.0	0.3	100	19.9	195.8	57.4	2.6	92	23.6	196.9	53.1	0.0	100	22.0	192.2	55.2	1.0	97	6.7	3.7	61.4	
	Average				22.1	191.9	55.1	0.9	99	19.1	191.7	57.1	2.2	92	23.9	197.9	53.3	0.4	99	21.7	193.8	55.2	1.2	97	7.0	3.5	60.8
	104	P250		24.0	193.1	52.7	2.0	99	19.0	187.5	56.5	3.6	93	23.2	209.7*	53.9	1.3	100	22.1	196.7	54.4	2.3	97	7.3	3.9	60.0	
	104	P250		21.8	164.5	53.3	1.7	99	19.4	168.5	55.9	2.0	84	25.6	208.6*	51.9	1.0	100	22.2	180.5	53.7	1.5	94	6.3	3.7	60.2	
	106	P250		23.5	171.5	53.7	3.0	100	19.6	198.9	56.2	4.1	89	24.0	218.2*	52.8	0.3	100	22.4	196.2	54.2	2.5	96	6.6	3.6	60.3	
	107	P250		21.7	207.9*	57.1	1.4	98	18.3	204.3	58.8	3.8	94	21.8	192.4	57.1	6.3	99	20.6	201.5	57.6	3.8	97	7.2	3.9	60.7	
BECK 5283B1	107	P250		21.6	210.5*	55.0	0.3	100	19.0	195.5	56.1	2.9	92	24.3	203.6	52.7	1.3	100	21.6	203.2	54.6	1.5	97	7.6	3.9	59.7	
	107	P250		23.4	176.8	53.6	1.3	100	19.8	188.6	55.9	2.9	90	25.0	212.6*	51.5	0.7	100	22.7	192.7	53.6	1.6	97	6.7	3.4	60.7	
	104	P250		19.9	184.5	54.7	1.3	100	16.3	188.9	57.1	2.7	97	22.4	184.3	54.3	1.3	98	19.5	185.9	55.4	1.8	98	7.2	3.7	60.1	
	105	P250		22.0	212.6*	55.2	0.7	99	19.3	204.9	57.1	4.4	97	25.1	193.7	53.1	0.0	96	22.1	203.7	55.1	1.7	97	7.0	3.3	61.2	
	102	P250		16.1	199.8	55.5	1.0	99	17.2	192.8	56.9	2.5	92	19.8	204.0	55.8	0.0	97	17.7	198.8	56.0	1.2	96	7.2	3.9	60.5	
	103	P250		21.0	170.6	54.1	4.0	98	17.0	203.1	57.2	3.0	99	23.0	190.7	55.3	0.7	100	20.3	188.1	55.5	2.6	99	6.8	3.8	60.6	
	104	P250		19.9	201.8	57.4	1.3	100	17.4	216.5	58.8	1.3	99	20.7	204.1	57.7	2.3	99	19.3	207.5	58.0	1.6	99	7.5	4.0	59.1	
	107	P250		20.2	205.5	55.6	2.3	100	17.9	221.4**	57.1	3.3	100	24.2	207.9*	53.9	0.7	99	20.8	211.6*	55.5	2.1	100	7.9	3.8	59.2	
	107	P250		21.0	212.5*	56.8	1.1	98	18.9	215.8*	58.1	1.7	99	24.5	223.9*	54.7	0.3	100	21.5	217.4**	56.5	1.0	99	7.4	4.2	60.0	
	104	P250		19.3	179.0	55.9	2.0	97	19.1	190.0	57.0	0.7	92	23.5	206.0	53.5	0.0	98	20.6	191.6	55.4	0.9	96	6.7	3.5	61.6	
DYNAGRO 56N17	107	P250		23.2	143.8	52.5	3.0	99	21.6	210.7*	55.4	1.4	91	27.4	183.1	49.6	2.3	98	24.0	179.2	52.5	2.3	96	6.7	3.8	60.8	
	107	P250		24.4	199.3	53.3	0.4	97	20.6	193.0	56.0	1.6	88	24.5	211.6*	52.7	0.4	97	23.2	201.3	54.0	0.8	94	7.0	4.4	59.7	
	105	P250		20.0	183.8	55.4	1.4	98	19.4	202.3	57.7	1.8	93	23.7	195.5	54.5	1.0	98	21.0	193.9	55.9	1.4	96	6.2	4.1	61.5	
	106	P250		23.7	210.1*	54.4	2.7	99	19.0	197.8	56.5	2.8	92	25.7	200.7	51.8	1.3	99	22.8	202.8	54.2	2.3	97	7.5	3.7	60.2	
	106	P250		22.2	177.1	53.8	2.0	99	19.5	185.0	55.8	2.8	97	22.8	198.5	53.7	0.3	100	21.5	186.9	54.4	1.7	99	6.9	3.6	60.0	
	103	P250		20.7	183.4	54.1	0.7	100	16.5	190.8	56.5	1.4	98	23.7	197.3	53.9	0.5	97	20.3	190.5	54.8	0.8	98	7.1	3.6	60.5	
	105	P250		19.9	169.7	55.3	1.3	100	16.2	198.4	57.6	2.1	96	21.4	207.4*	56.0	0.3	100	19.2	191.8	56.3	1.2	98	7.1	3.6	60.0	
	106	C250		20.6	193.4	54.6	2.0	97	18.9	168.0	56.2	1.6	84	24.7	203.2	52.6	1.0	90	21.4	188.2	54.4	1.5	90	7.3	3.6	60.5	
	105	P250		23.2	192.9	53.4	1.7	98	20.1	207.7	56.2	0.7	95	23.8	201.3	53.4	0.9	99	22.4	200.6	54.3	1.1	97	7.2	4.3	60.7	
	104	P250		22.6	206.5	54.7	1.0	98	19.3	200.1	56.9	3.3	97	23.9	218.1*	54.0	0.7	94	21.9	208.2	55.2	1.7	96	7.1	3.1	61.4	
Average				21.5	189.6	54.7	1.6	99	18.7	197.1	56.8	2.4	94	23.7	203.2	53.8	1.0	98	21.3	196.6	55.1	1.7	97	7.1	3.7	60.4	
GENESIS 2C05YGCB	105	C1250		24.4	219.2*	52.2	0.7	100	19.4	198.8	56.4	1.8	92	26.4	188.9	50.6	0.3	95	23.4	202.3	53.0	0.9	96	7.7	3.6	60.0	
	100	C1250		19.0	185.2	56.5	1.7	99	18.0	189.1	58.5	1.5	90	22.5	184.1	56.1	1.1	90	19.5	186.1	57.0	1.4	93	7.4	3.4	60.0	
	103	C1250		20.0	194.7	56.1	0.7	100	17.7	197.5	57.2	1.3	98	22.5	216.5*	54.6	0.3	100	20.1	202.9	56.0	0.8	99	7.1	4.0	59.4	
	106	C1250		22.5	151.9	52.6	2.0	99	18.4	189.9	57.6	1.0	97	22.8	224.7**	54.3	0.0	100	21.2	188.8							

Brand / Hybrid	RM	TRT	%H2O Bu/A	Twt	%SL	%Std	%H2O Bu/A	Twt	%SL	%Std	%H2O Bu/A	Twt	%SL	%Std	%H2O Bu/A	Twt	%SL	%Std	Prot	Oil	Strch
AVERAGE			21.8 188.7	54.5 1.6	98	18.8 194.6	56.8 2.3	92	23.7 201.0	53.7 0.9	98	21.4 194.8	55.0 1.6	96	21.4 194.8	55.0 1.6	96	21.4 194.8	7.2 3.7	60.4	
HIGHEST			25.0 223.8	57.4 4.0	100	21.6 221.4	60.2 4.4	100	27.4 224.7	57.9 6.3	100	24.0 217.4	58.0 3.8	100	24.0 217.4	58.0 3.8	100	24.0 217.4	8.2 4.4	61.9	
LOWEST			16.1 143.8	51.6 0.0	87	16.2 163.1	55.4 0.7	68	19.8 174.9	49.6 0.0	90	17.7 177.0	52.5 0.3	84	17.7 177.0	52.5 0.3	84	17.7 177.0	6.2 3.0	59.1	
CV (%)			6.3 7.7	1.6		4.2 5.3	1.1		6.1 7.6	2.3		5.8 6.9	1.7		5.8 6.9	1.7		5.8 6.9	5.3 5.6	1.1	
LSD (.05%)			1.6 17.1	1.0		0.9 12.1	0.7		1.7 17.8	1.4		0.8 9.1	0.6		0.8 9.1	0.6		0.8 9.1	0.4 0.2	0.8	

2 Year AVERAGES

Brand / Hybrid	RM	BRANCH - Early				CASS - Early				LENAWEE - Early				EARLY TRIAL AVERAGE				QUALITY			
		%H2O Bu/A	Twt	%SL	%Std	%H2O Bu/A	Twt	%SL	%Std	%H2O Bu/A	Twt	%SL	%Std	%H2O Bu/A	Twt	%SL	%Std	Prot	Oil	Strch	
AGRIGOLD A6391	106	21.5 188.9	54.4 2.9	100	21.8 189.3*	54.0 2.8	93	23.3 217.5*	51.8 1.8	99	22.2 198.6	53.4 2.5	97	22.2 198.6	53.4 2.5	97	22.2 198.6	7.0 3.5	59.9		
BAYSIDE Super 105	105	20.5 194.5	53.4 1.2	98	21.8 169.0	53.2 2.9	91	24.3 203.8	50.7 2.4	96	22.2 189.1	52.4 2.2	95	22.2 189.1	52.4 2.2	95	22.2 189.1	7.6 3.9	59.9		
BECK 5283Bt 1	107	21.0 215.9	54.7 0.5	100	21.5 187.1	54.0 1.5	95	24.5 214.1*	51.3 0.7	100	22.3 205.7	53.3 0.9	98	22.3 205.7	53.3 0.9	98	22.3 205.7	7.7 3.9	59.2		
BIO GENE BT1071	107	24.3 222.2*	52.9 2.5	100	23.5 168.6	52.8 2.1	91	26.7 215.2*	49.2 0.5	98	24.8 202.0	51.6 1.7	96	24.8 202.0	51.6 1.7	96	24.8 202.0	8.0 3.7	59.3		
DAIRYLAND STEALTH-1606	107	21.4 191.7	54.4 1.8	99	21.9 188.1	53.8 1.6	94	24.1 213.0	51.2 2.7	99	22.5 197.6	53.2 2.1	97	22.5 197.6	53.2 2.1	97	22.5 197.6	7.1 3.6	59.8		
DAIRYLAND STEALTH-5104	104	20.6 203.7	55.1 0.7	100	18.4 167.5	55.4 2.5	97	22.9 202.2	53.1 1.0	99	20.6 191.1	54.5 1.4	98	20.6 191.1	54.5 1.4	98	20.6 191.1	7.6 3.6	59.7		
DEKALB DKC57-01	107	20.5 207.9	55.2 2.5	100	19.4 198.2*	55.6 3.2	94	23.5 205.0	52.3 1.2	97	21.1 203.7	54.4 2.3	97	21.1 203.7	54.4 2.3	97	21.1 203.7	7.9 4.0	58.9		
DEKALB DKC57-84 (YGCB)	107	22.4 226.6**	55.8 0.7	99	22.2 199.7**	55.4 2.0	100	24.7 224.2**	52.7 0.3	98	23.1 216.8**	54.6 1.0	99	23.1 216.8**	54.6 1.0	99	23.1 216.8**	7.6 4.1	59.9		
GOLDEN HARVEST H-8618Bt	106	24.5 226.2*	52.9 1.8	99	23.3 178.3	52.5 2.4	95	26.4 213.0	49.6 0.3	98	24.7 205.9	51.7 1.5	97	24.7 205.9	51.7 1.5	97	24.7 205.9	8.3 3.7	58.9		
GRIES 5306	106	23.4 212.8	53.9 3.5	100	22.8 182.3	53.2 1.5	96	25.4 202.9	50.3 2.8	96	23.9 199.3	52.5 2.6	97	23.9 199.3	52.5 2.6	97	23.9 199.3	7.9 3.7	59.4		
JUNG 6545YGCB	105	20.4 192.1	55.4 1.0	99	18.1 187.0	56.0 2.0	97	22.3 215.5*	54.1 0.3	100	20.3 198.2	55.2 1.1	98	20.3 198.2	55.2 1.1	98	20.3 198.2	7.4 3.6	59.8		
NK Brand N50-P5	103	20.4 207.7	55.8 1.3	100	20.0 170.9	55.1 1.9	99	23.5 220.0*	52.6 0.2	99	21.3 199.5	54.5 1.1	100	21.3 199.5	54.5 1.1	100	21.3 199.5	7.5 4.1	59.0		
NK Brand N58-D1	106	23.3 180.5	53.2 1.5	100	21.1 178.7	54.6 1.1	98	23.9 222.1*	52.5 0.2	98	22.7 193.8	53.4 0.9	99	22.7 193.8	53.4 0.9	99	22.7 193.8	7.2 3.7	60.2		
NK Brand N59-Q9	106	22.8 195.0	53.7 2.5	100	22.0 190.4*	54.5 2.3	97	23.6 205.2	52.8 1.9	97	22.8 196.8	53.7 2.2	98	22.8 196.8	53.7 2.2	98	22.8 196.8	7.5 3.0	60.6		
PIONEER 35V55	106	23.0 192.0	52.8 0.8	100	22.0 185.7	53.8 0.9	94	24.7 202.3	51.1 0.3	98	23.2 193.3	52.6 0.7	97	23.2 193.3	52.6 0.7	97	23.2 193.3	7.8 4.0	58.8		
RENN KR72YGCB	104	18.6 185.3	54.7 2.1	100	18.9 197.6*	55.1 1.7	99	21.9 205.8	53.6 0.3	100	19.8 196.2	54.5 1.4	99	19.8 196.2	54.5 1.4	99	19.8 196.2	7.4 4.5	58.7		
RUPP XR1708	106	20.7 198.4	54.6 1.8	100	21.6 185.1	54.1 2.7	93	23.8 210.6	51.5 1.8	96	22.0 198.0	53.4 2.1	96	22.0 198.0	53.4 2.1	96	22.0 198.0	7.0 3.6	60.0		
VIGORO V45D37	105	21.8 196.7	55.9 2.2	97	21.4 174.1	55.3 1.3	87	23.3 207.0	53.3 1.7	98	22.2 192.6	54.9 1.7	94	22.2 192.6	54.9 1.7	94	22.2 192.6	7.1 3.2	61.6		
AVERAGE		21.7 202.1	54.4 1.7	99	21.2 183.2	54.4 2.0	95	24.0 211.1	51.9 1.1	98	22.3 198.8	53.5 1.6	97	22.3 198.8	53.5 1.6	97	22.3 198.8	7.5 3.7	59.7		
HIGHEST		24.5 226.6	55.9 3.5	100	23.5 199.7	56.0 3.2	100	26.7 224.2	54.1 2.8	100	24.8 216.8	55.2 2.6	100	24.8 216.8	55.2 2.6	100	24.8 216.8	8.3 4.5	61.6		
LOWEST		18.6 180.5	52.8 0.5	97	18.1 167.5	52.5 0.9	87	21.9 202.2	49.2 0.2	96	19.8 189.1	51.6 0.7	94	19.8 189.1	51.6 0.7	94	19.8 189.1	7.0 3.0	58.7		
CV (%)		4.9 12.1	0.8 3.6	2.4	4.1 13.1	0.8 2.5	5.4	4.7 11.4	1.0 1.9	4.5	4.6 12.2	0.9 2.7	4.3	4.6 12.2	0.9 2.7	4.3	4.6 12.2	5.0 3.9	2.9		
LSD (.05%)		0.9 10.3	0.6 2.1	1.5	0.7 10.7	0.6 1.4	3.2	0.9 10.3	0.8 1.1	2.8	0.5 6.0	0.4 0.9	1.5	0.5 6.0	0.4 0.9	1.5	0.5 6.0	0.3 0.2	0.5		

3 Year AVERAGES

Brand / Hybrid	RM	BRANCH - Early				CASS - Early				LENAWEE - Early				EARLY TRIAL AVERAGE				QUALITY			
		%H2O Bu/A	Twt	%SL	%Std	%H2O Bu/A	Twt	%SL	%Std	%H2O Bu/A	Twt	%SL	%Std	%H2O Bu/A	Twt	%SL	%Std	Prot	Oil	Strch	
AGRIGOLD A6391	106	20.2 198.0	54.7 2.5	100	20.7 200.3**	54.3 2.2	94	21.2 199.8	52.6 1.6	99	20.7 199.4	53.9 2.1	98	20.7 199.4	53.9 2.1	98	20.7 199.4	6.9 3.6	60.2		
BAYSIDE Super 105	105	19.9 196.8	53.6 1.7	97	20.5 179.7	53.5 3.4	93	22.1 195.7	51.9 2.7	95	20.8 190.7	53.0 2.6	95	20.8 190.7	53.0 2.6	95	20.8 190.7	7.1 3.9	60.5		
BECK 5283Bt 1	107	20.6 217.4**	55.1 0.6	97	20.7 195.1*	54.4 1.1	94	22.7 201.2	52.7 0.8	96	21.3 204.5**	54.1 0.8	96	21.3 204.5**	54.1 0.8	96	21.3 204.5**	7.4 4.0	59.7		
DAIRYLAND STEALTH-1606	107	20.3 197.5	54.7 2.2	99	20.8 186.1	53.9 1.7	93	22.0 199.1	52.6 2.6	99	21.0 194.2	53.7 2.2	97	21.0 194.2	53.7 2.2	97	21.0 194.2	6.8 3.6	60.2		
NK Brand N58-D1	106	22.0 189.5	54.2 1.0	99	20.1 184.9	55.2 1.2	98	22.3 210.7**	53.5 0.1	96	21.5 195.1	54.3 0.8	97	21.5 195.1	54.3 0.8	97	21.5 195.1	7.1 3.7	60.4		
NK Brand N59-Q9	106	21.4 198.5	54.3 2.7	99	20.8 194.9*	54.9 2.2	98	21.9 196.3	53.8 2.0	97	21.4 196.5	54.3 2.3	98	21.4 196.5	54.3 2.3	98	21.4 196.5	7.1 3.1	61.2		
PIONEER 35V55	106	21.5 195.2	52.8 0.6	97	21.0 191.7*	53.9 0.8	94	23.0 191.2	51.9 0.3	96	21.8 192.7	52.9 0.6	95	21.8 192.7	52.9 0.6	95	21.8 192.7	7.6 4.0	59.2		
RUPP XR1708	106	20.0 196.5	54.8 1.7	99	20.5 185.5	54.0 2.2	94	21.6 196.9	52.9 1.8	96	20.7 194.3	53.9 1.9	97	20.7 194.3	53.9 1.9	97	20.7 194.3	6.7 3.7	60.3		
AVERAGE		20.7 198.9	54.3 1.6	99	20.6 189.8	54.3 1.8	95	22.1 199.1	52.7 1.5	97	21.1 195.9	53.8 1.7	97	21.1 195.9	53.8 1.7	97	21.1 195.9	7.1 3.7	60.2		
HIGHEST		22.0 217.4	55.1 2.7	100	21.0 200.3	55.2 3.4	98	23.0 210.7	53.8 2.7	99	21.8 204.5	54.3 2.6	98	21.8 204.5	54.3 2.6	98	21.8 204.5	7.6 4.0	61.2		
LOWEST		19.9 189.5	52.8 0.6	97	20.1 179.7	53.5 0.8	93	21.2 191.2	51.9 0.1	95	20.7 190.7	52.9 0.6	95	20.7 190.7	52.9 0.6	95	20.7 190.7	6.7 3.1	59.2		
CV (%)		4.7 10.8	0.7 3.3	3.6	3.9 13.7	0.8 2.4	5.4	5.2 10.7	1.0 2.1	5.1	4.7 11.8	0.9 2.7	4.7	4.7 11.8	0.9 2.7	4.7	4.7 11.8	6.4 4.2	2.9		
LSD (.05%)		0.7 7.9	0.4 1.5	1.8	0.5 9.6	0.5 1.1	2.6	0.8 8.1	0.6 1.0	2.6	0.4 5.0	0.3 0.7	1.4	0.4 5.0	0.3 0.7	1.4	0.4 5.0	0.3 0.2	0.5		

TABLE 1L.

BRANCH, CASS & LENAWE COUNTY GRAIN TRIALS - LATE (108 Day and Later)

ZONE 1

2004			BRANCH - Late				CASS - Late				LENAWEE - Late				LATE TRIAL AVERAGE				QUALITY							
Brand / Hybrid	RM	TRT	%H2O Bu/A	Twt	%SL	%Std	%H2O Bu/A	Twt	%SL	%Std	%H2O Bu/A	Twt	%SL	%Std	%H2O Bu/A	Twt	%SL	%Std	Prot	Oil	Strch					
BIO GENE BG1104 BIO GENE BG1119 GOLDEN HARVEST EX38914RR GOLDEN HARVEST H-9006Bt GOLDEN HARVEST H-9148Bt LEGACY 33L24 PARTNERS BRAND 611YGCB RENK RK870YGCB RENK RK877YGCB STEYER 2386 VIGORO EX753001	110		21.9	186.6	54.1	1.9	100	19.2	200.9	57.4	1.4	96	25.9	219.4*	51.3	0.0	100	22.3	202.3	54.2	1.1	99	7.4	3.9	60.5	
	109		23.7	201.4	52.8	3.2	99	19.9	214.7*	56.0	3.9	92	26.2	208.1*	50.7	1.0	97	23.3	208.1*	53.2	2.7	96	6.9	3.2	62.1	
	110		22.5	192.3	54.2	2.2	99	19.7	206.7	55.8	3.4	98	24.6	212.7*	49.8	3.0	100	22.3	203.9	53.3	2.9	99	7.1	4.0	60.2	
	110		23.7	180.2	52.7	0.2	99	19.2	194.6	55.8	2.3	100	25.7	208.0*	51.6	2.0	100	22.9	194.3	53.4	1.5	100	6.9	4.0	60.7	
	112		28.3	185.6	50.5	1.3	99	23.2	206.2	53.4	2.3	100	27.3	222.2*	49.8	0.0	100	26.2	204.7	51.3	1.2	100	7.1	3.6	60.2	
	112		25.9	180.7	54.2	1.2	97	21.7	208.6	57.7	3.3	98	24.3	211.4*	54.4	0.7	97	24.0	200.2	55.4	1.7	97	6.9	3.5	59.8	
	112		27.0	192.6	53.0	0.7	100	25.5	198.7	54.8	1.3	99	30.0	194.1*	51.7	0.0	99	27.5	195.1	53.2	0.7	99	7.7	3.9	60.1	
	112		22.4	185.8	53.7	1.8	100	19.7	208.1	55.9	4.1	97	25.4	206.6*	51.3	0.7	101	22.5	200.2	53.6	2.2	99	7.2	4.2	59.6	
	112		23.5	192.2	54.2	1.3	99	19.1	196.7	56.3	3.3	99	25.7	206.3*	52.0	2.0	99	22.8	198.4	54.1	2.2	99	7.4	4.0	60.0	
	109		21.7	170.7	54.1	2.1	99	18.9	205.3	56.2	2.1	98	25.6	206.3*	52.7	0.7	96	22.0	194.1	54.3	1.6	97	7.0	4.2	59.7	
Average			22.7	184.3	56.1	1.2	96	20.0	192.7	58.2	0.4	86	24.0	193.8	54.0	0.3	98	22.2	190.3	56.1	0.6	93	7.7	4.1	60.4	
MYCOGEN 2E705 RUPP XR1744 RUPP XR1810 RUPP XR8544RR VIGORO V50D37 VIGORO V5240 Average	111	C125	22.0	193.5	54.1	1.1	100	19.8	192.9	55.8	3.0	100	25.6	210.4*	50.3	0.6	100	22.5	198.9	53.4	1.6	100	7.0	4.0	60.3	
	108	C125	22.2	192.3	54.3	1.9	100	19.3	189.2	56.0	0.4	93	25.9	212.4*	51.9	0.6	100	22.5	197.9	54.1	1.0	98	7.0	4.2	60.1	
	110	C125	26.5	196.5	53.9	1.2	100	21.9	220.3*	57.5	1.0	98	26.3	187.7	53.4	0.0	100	24.9	201.5	54.9	0.7	99	7.0	3.7	59.5	
	108	C125	22.7	199.4	54.3	0.0	100	19.2	196.7	56.3	1.8	93	25.8	204.2*	51.9	1.0	99	22.6	200.1	54.1	0.8	97	7.0	4.2	59.9	
	110	C125	25.4	203.1	52.4	1.8	96	20.4	212.7*	55.8	2.5	92	25.2	187.5	51.3	2.5	97	23.7	201.1	53.2	2.3	95	6.7	3.3	62.2	
	111	C125	26.0	194.2	52.4	3.2	99	22.0	164.9	55.2	0.8	87	27.9	202.0	50.7	2.1	95	25.3	187.1	52.8	2.0	93	6.9	3.7	61.3	
	Average			24.1	196.5	53.5	1.5	99	20.4	196.1	56.1	1.6	94	26.1	200.7	51.6	1.1	99	23.6	197.8	53.7	1.4	97	6.9	3.8	60.6
	108	P250	23.4	195.3	53.2	2.0	100	19.3	207.5	54.9	3.7	99	24.5	206.2*	51.2	1.0	99	22.4	203.0	53.1	2.2	99	6.7	3.9	60.2	
	110	P250	24.9	210.4*	54.2	0.7	100	21.3	208.1	57.8	2.3	100	28.0	219.1*	52.0	0.0	99	24.7	212.5*	54.7	1.0	100	7.9	3.7	60.2	
	109	P250	21.7	194.5	55.1	2.0	100	19.6	185.0	55.6	2.4	97	25.8	196.5	51.2	2.3	99	22.3	192.0	54.0	2.2	99	7.1	3.9	60.5	
BROWN 6926 CORN BELT C599 DAIRYLAND STEALTH-1507Bt DAIRYLAND STEALTH-5611 DEKALB DKC58-80 (RR2/YGCB) DEKALB DKC59-08 DEKALB DKC60-08 (YGCB) DEKALB DKC61-43 (YGCB) DEKALB DKC61-50 DYNAGRO 57F67 GARST 8450IT GARST 8461 GRIES 6310 GRO-MOR 5990 HIGH CYCLE HC7743YGCB HIGH CYCLE HC7807YGCB VIGORO V5050 WELLMAN W2510 Average	108	P250	22.1	181.3	55.6	2.9	100	18.6	200.2	57.1	2.3	99	21.6	181.3	54.6	2.2	100	20.7	187.6	55.8	2.5	100	6.8	4.0	60.7	
	109	P250	24.2	166.0	53.2	0.2	100	19.0	193.0	56.4	3.2	94	23.7	206.2*	53.2	0.6	99	22.3	188.4	54.3	1.9	98	7.2	4.0	60.2	
	109	P250	25.4	202.7	52.7	0.2	98	19.8	204.3	56.2	2.8	95	25.7	211.7*	51.4	0.4	96	23.6	206.2	53.4	1.1	97	7.5	3.6	60.4	
	111	P250	22.7	194.2	53.3	1.0	100	19.5	205.5	55.9	1.6	100	24.8	224.1**	52.7	0.9	98	22.3	207.9*	54.0	1.2	99	7.2	3.8	60.5	
	108	P250	23.9	196.0	54.4	1.8	100	19.6	219.9*	56.9	0.3	100	24.2	217.9*	54.3	0.4	98	22.6	211.2*	55.2	0.8	99	7.4	4.0	59.2	
	109	P250	22.7	200.2	56.7	1.3	100	17.7	196.4	59.0	1.4	98	23.4	193.8	55.4	3.4	96	21.3	196.8	57.0	2.0	98	7.1	3.9	60.2	
	110	P250	24.6	191.7	55.0	1.4	98	18.7	213.8*	58.3	2.7	98	23.5	197.1	55.6	3.4	99	22.3	200.9	56.3	2.5	98	7.1	4.2	60.5	
	111	P250	24.7	182.2	52.2	0.8	100	20.0	202.2	55.6	1.6	100	27.7	201.1	51.1	0.3	100	24.2	195.2	52.9	0.9	100	7.6	3.4	60.6	
	111	P250	23.8	190.9	55.3	2.1	100	20.7	201.8	57.0	1.3	98	27.6	195.1	51.2	0.7	99	24.0	195.9	54.5	1.4	99	6.9	3.8	60.6	
	111	P250	22.8	190.1	53.6	1.9	100	19.1	197.9	55.7	1.4	98	25.2	196.5	51.7	2.6	100	22.4	194.8	53.7	2.0	99	7.0	4.1	60.4	
GARST 8450IT GARST 8461 GRIES 6310 GRO-MOR 5990 HIGH CYCLE HC7743YGCB HIGH CYCLE HC7807YGCB VIGORO V5050 WELLMAN W2510 Average	111	P250	27.5	182.1	49.9	2.0	98	23.0	224.8**	53.7	1.6	98	27.4	190.8	49.0	0.0	100	26.0	199.2	50.9	1.2	99	7.1	3.9	60.2	
	108	P250	23.8	193.3	52.6	1.9	100	19.8	196.2	56.3	4.8	95	26.4	193.7	51.0	2.0	99	23.3	194.4	53.3	2.9	98	7.4	4.2	59.5	
	110	P250	22.9	192.9	54.0	1.7	96	18.6	204.5	56.1	1.4	95	25.9	204.3*	52.0	3.1	96	22.5	200.6	54.1	2.1	96	7.5	4.0	59.5	
	108	P250	23.5	199.6	53.1	1.6	100	18.8	198.3	56.4	2.1	96	23.9	185.3	52.5	2.3	100	22.1	194.4	54.0	2.0	99	7.3	4.2	59.5	
	108	P250	21.8	193.6	55.8	1.5	99	19.1	215.7*	58.3	2.4	97	25.5	198.1	52.8	1.4	98	22.1	202.5	55.6	1.7	98	7.0	4.2	60.1	
	110	P250	26.6	194.8	49.9	1.9	98	24.2	214.7*	53.2	2.7	97	28.4	204.1*	49.5	0.7	100	26.4	204.5	50.9	1.8	98	7.4	3.5	60.3	
	110	P250	21.9	200.1	41.6	0.9	99	19.0	203.8	56.3	6.5	96	24.6	222.0*	52.8	1.3	99	21.8	208.6*	50.3	2.9	98	7.6	4.3	59.3	
	110	P250	25.6	155.7	53.7	0.9	90	20.2	188.1	56.5	2.0	84	25.8	185.4	51.8	1.0	97	23.9	176.4	54.0	1.7	90	7.6	4.0	58.9	
	Average			23.8	190.8	53.1	1.6	99	19.8	203.9	56.3	2.4	97	25.4	201.4	52.2	1.4	99	23.0	198.7	53.9	1.8	98	7.3	3.9	60.1
	NK Brand N65-M7 PIONEER 33N09 PIONEER 34D72 PIONEER 34M95 Average	109	C1250	21.3	188.8	54.3	1.2	100	19.2	205.9	56.4	3.5	94	24.7	199.7	52.2	1.6	100	21.7	198.1	54.3	2.1	98	7.3	4.1	60.1
114		P1250	26.9	220.7**	55.2	1.7	98	24.4	215.6*	58.2	2.1	95	26.9	214.0*	55.3	2.2	95	26.0	216.8**	56.2	2.0	96	7.8	2.9	61.0	
108		P1250	22.5	193.1	55.8	0.1	99	19.7	224.8**	57.4	1.7	96	25.2	184.9	53.7	0.0	99	22.5	200.9	55.6	0.6	98	6.8	3.3	60.9	
110		P1250	23.4	201.0	55.3	0.4	99	19.2	190.2	58.0	1.4	99	23.6	194.1	54.3	0.6	99	22.1	195.1	55.9	0.8	99	7.7	4.2	59.4	
Average			23.5	200.9	55.1	0.8	99																			

2 Year AVERAGES				BRANCH - Late				CASS - Late				LENAWEE - Late				LATE TRIAL AVERAGE				QUALITY				
Brand / Hybrid	RM	%H2O Bu/A	Twt	%SL	%Std	%H2O Bu/A	Twt	%SL	%Std	%H2O Bu/A	Twt	%SL	%Std	%H2O Bu/A	Twt	%SL	%Std	Prot	Oil	Stch				
ASGROW RX702YG BECK 5322CB BIO GENE BG1119 CORN BELT C599 DEKALB DKC59-08	110	26.1	219.8**	52.7	0.4	100	25.2	186.0 *	53.8	1.7	100	27.8	222.4 *	51.1	0.3	98	26.4	209.4**	52.5	0.8	99	8.2	3.8	59.7
	109	22.3	211.8 *	53.6	1.3	100	22.4	171.0	52.6	1.5	96	26.7	207.8	49.4	1.5	97	23.8	196.9	51.9	1.4	98	7.3	4.0	59.7
	109	23.3	209.9	52.6	4.2	99	22.7	198.0**	53.3	3.4	94	25.6	212.6	50.1	1.5	97	23.9	206.8 *	52.0	3.1	97	7.1	3.4	61.2
	109	23.3	189.9	53.0	2.0	100	22.0	179.5	53.4	2.2	97	24.6	214.4 *	51.2	1.0	100	23.3	194.6	52.6	1.7	99	7.4	4.0	59.5
	109	23.1	206.6	56.0	1.3	100	20.2	183.0	57.3	1.3	99	23.7	196.6	54.7	3.3	98	22.3	195.4	56.0	2.0	99	7.3	4.0	60.0
GOLDEN HARVEST H-9148Bt GRIES 6310 HIGH CYCLE HC7743YGCB HIGH CYCLE HC7807YGCB NK Brand N65-M7	112	27.6	206.4	49.5	0.8	99	25.5	189.2 *	51.8	2.4	98	28.2	225.2**	48.8	0.2	97	27.1	206.9 *	50.0	1.1	98	7.4	3.9	59.3
	110	22.6	202.1	53.5	1.5	98	21.5	175.9	53.3	1.0	96	26.3	212.2	50.9	3.6	98	23.5	196.7	52.5	2.0	97	7.6	4.1	59.0
	108	23.5	207.4	54.1	0.7	99	21.9	188.0 *	55.1	3.0	97	26.0	211.1	51.7	1.2	98	23.8	202.2	53.7	1.6	98	7.3	4.0	59.7
	110	27.0	212.6 *	49.2	1.1	98	26.2	184.0	50.8	1.8	99	29.0	213.8 *	48.5	0.9	98	27.4	203.5 *	49.5	1.3	99	7.5	3.8	59.3
	109	21.9	205.4	53.5	1.6	100	21.5	187.3 *	54.1	2.6	97	25.7	210.2	50.2	2.6	99	23.0	201.0	52.6	2.3	99	7.3	4.2	59.6
PIONEER 34D72 PIONEER 34M95 RENK RK870YGCB RUPP XR1744 RUPP XR8544RR	108	22.1	212.8 *	55.0	0.2	99	20.3	188.6 *	55.9	1.6	97	23.9	208.3	52.7	0.5	99	22.1	203.3 *	54.5	0.7	98	7.2	3.5	60.1
	110	23.4	218.4 *	54.6	0.4	100	21.2	189.0 *	56.6	1.7	97	24.3	210.9	53.1	0.3	98	23.0	206.1 *	54.8	0.8	98	8.3	4.3	58.3
	112	22.5	209.0	53.0	1.6	100	21.8	167.6	53.3	2.9	96	26.5	215.7 *	49.8	0.7	98	23.6	197.5	52.0	1.7	98	7.5	4.2	59.2
	108	22.2	208.6	53.4	1.8	99	21.6	187.4 *	54.0	1.3	94	26.0	215.4 *	50.5	1.9	97	23.3	203.8 *	52.7	1.7	97	7.4	4.2	59.3
	108	22.0	207.2	53.8	1.3	100	21.7	185.8 *	53.9	1.3	96	25.5	214.6 *	51.0	1.5	99	23.1	202.5	52.9	1.4	98	7.3	4.2	59.2
AVERAGE HIGHEST LOWEST		23.5	208.5	53.2	1.3	99	22.4	184.0	53.9	2.0	97	26.0	212.8	50.9	1.4	98	24.0	201.8	52.7	1.6	98	7.5	4.0	59.5
		27.6	219.8	56.0	4.2	100	26.2	198.0	57.3	3.4	100	29.0	225.2	54.7	3.6	100	27.4	209.4	56.0	3.1	99	8.3	4.3	61.2
		21.9	189.9	49.2	0.2	98	20.2	167.6	50.8	1.0	94	23.7	196.6	48.5	0.2	97	22.1	194.6	49.5	0.7	97	7.1	3.4	58.3
CV (%)		4.5	10.6	3.1	1.9	2.1	4.7	15.9	0.8	2.4	4.9	4.7	12.5	1.1	2.1	3.7	4.7	13.2	2.0	2.2	3.8	4.6	3.8	2.8
LSD (.05%)		0.9	9.5	2.4	1.1	1.3	0.8	13.6	0.6	1.4	3.0	1.0	11.6	0.9	1.3	2.3	0.5	6.8	0.9	0.7	1.3	0.3	0.2	0.5

3 Year AVERAGES					BRANCH - Late				CASS - Late				LENAWEE - Late				LATE TRIAL AVERAGE				QUALITY			
Brand / Hybrid	RM	%H2O Bu/A	Twt	%SL %Std	%H2O Bu/A	Twt	%SL %Std	%H2O Bu/A	Twt	%SL %Std	%H2O Bu/A	Twt	%SL %Std	%H2O Bu/A	Twt	%SL %Std	Prot	Oil	Strch					
CORN BELT C599	109	22.3	198.1	53.5	1.7	96	21.3	180.5	53.5	1.5	93	22.8	205.6 *	53.0	1.4	99	22.1	194.7	53.3	1.5	96	7.1	4.0	60.0
NK Brand N65-M7	109	21.0	216.9	54.0	2.5	100	20.8	191.5 *	54.0	1.7	97	23.8	202.4 *	52.3	2.3	99	21.9	203.6 *	53.4	2.2	99	6.8	4.1	60.3
PIONEER 34M95	110	23.4	225.3**	54.4	0.4	99	20.1	188.1 *	56.5	1.6	98	23.7	206.1 *	54.5	0.2	98	22.4	206.5**	55.1	0.7	98	7.7	4.3	59.3
RUPP XR1744	108	21.3	214.2	54.0	2.3	98	20.8	190.2 *	53.9	1.8	96	23.9	204.6 *	52.6	2.2	97	22.0	203.0 *	53.5	2.1	97	7.0	4.2	59.9
RUPP XR8544RR	108	21.2	212.9	54.1	1.6	100	21.0	194.6**	53.7	1.2	95	23.6	210.6**	52.7	1.2	99	22.0	206.1 *	53.5	1.4	98	7.1	4.2	59.7
AVERAGE		21.8	213.5	54.0	1.7	99	20.8	189.0	54.3	1.6	96	23.6	205.9	53.0	1.5	98	22.1	202.8	53.8	1.6	98	7.1	4.2	59.8
HIGHEST		23.4	225.3	54.4	2.5	100	21.3	194.6	56.5	1.8	98	23.9	210.6	54.5	2.3	99	22.4	206.5	55.1	2.2	99	7.7	4.3	60.3
LOWEST		21.0	198.1	53.5	0.4	96	20.1	180.5	53.5	1.2	93	22.8	202.4	52.3	0.2	97	21.9	194.7	53.3	0.7	96	6.8	4.0	59.3
CV (%)		4.3	10.4	2.5	2.0	3.5	4.5	15.4	0.9	2.5	5.2	4.9	11.1	1.0	2.2	3.8	4.9	12.5	1.7	2.3	4.2	6.3	3.9	3.1
LSD (.05%)		0.7	7.9	1.6	1.0	1.8	0.7	11.1	0.5	1.1	2.6	0.8	8.6	0.6	1.0	2.0	0.4	5.4	0.6	0.6	1.2	0.3	0.2	0.5

** Highest Yielding Hybrid
* Not Significantly Different from Highest Yielding Hybrid

TREATMENT CODES FOR SEED APPLIED INSECTICIDES

TRT	Seed Treatment	Chemical Rate
C125	No Seed Insecticide Applied	0.125 mg Thiamethoxan per kernel
C250	Cruiser® 125	0.250 mg Thiamethoxan per kernel
C1250	Cruiser® 250	1.25 mg Thiamethoxan per kernel
P250	Cruiser® 1250	0.25 mg Clothianidan per kernel
P1250	Poncho® 250	1.25 mg Clothianidan per kernel
	Poncho® 1250	
	Cruiser® is a registered trademark of Syngenta Group Company Poncho® is a registered trademark of Gustafson LLC	

TABLE 2E.

INGHAM, KENT & SAGINAW COUNTY GRAIN TRIALS - EARLY (100 Day and Earlier)

ZONE 2

2004			INGHAM - Early				KENT - Early				SAGINAW - Early				EARLY TRIAL AVERAGE				QUALITY		
Brand / Hybrid	RM	TRT	%H2O Bu/A	Twt	%SL	%Std	%H2O Bu/A	Twt	%SL	%Std	%H2O Bu/A	Twt	%SL	%Std	%H2O Bu/A	Twt	%SL	%Std	Prot	Oil	Strch
BAYSIDE 1700	100		20.7 236.6	57.0	0.0	100	18.9 218.3	56.9	0.2	99	25.1 212.3	53.5	0.7	100	21.6 222.4	55.8	0.3	100	7.7	3.6	60.3
BAYSIDE 1795	95		18.9 224.5	57.2	1.1	100	18.4 222.5	57.2	0.8	99	23.5 225.3	54.4	1.1	100	20.2 224.1	56.3	1.0	100	7.3	3.9	60.7
BAYSIDE 2295	95		18.3 224.8	57.3	0.4	100	16.0 199.6	58.1	1.4	100	21.7 228.8	55.4	0.0	100	18.7 217.7	56.9	0.6	100	7.4	4.5	58.9
BAYSIDE NorthGro NG4757RR	94		19.3 223.6	57.3	0.0	100	16.8 208.4	58.1	0.5	100	22.6 215.8	54.7	0.0	100	19.6 215.9	56.7	0.2	100	7.1	4.6	59.0
BAYSIDE NorthGro NG4767YG	95		18.7 228.3	57.2	0.4	99	16.1 194.5	57.9	1.6	100	22.5 222.7	54.2	0.7	98	19.1 215.2	56.5	0.9	99	6.7	4.4	59.7
BAYSIDE NorthGro NG5072RR	93		19.1 222.5	57.7	0.4	100	17.1 200.7	56.7	0.2	100	23.5 213.6	54.0	0.4	100	19.9 212.2	56.1	0.3	100	7.0	3.9	61.5
BAYSIDE Super 93	93		19.5 213.6	56.3	0.0	100	17.7 207.1	56.4	0.9	100	23.1 211.8	53.5	0.7	100	20.1 210.8	55.4	0.5	100	6.7	3.7	61.7
CORN BELT C435Bt	95		18.5 223.3	57.3	0.4	100	15.9 201.3	57.9	2.5	100	22.6 232.5	54.9	0.0	101	19.0 219.0	56.7	0.9	100	7.4	4.4	59.7
GOLDEN HARVEST EX27207Bt	95		18.7 224.9	57.6	0.4	100	16.1 200.5	57.8	3.6	100	22.0 230.2	55.0	0.0	100	18.9 218.5	56.8	1.3	100	6.9	4.4	59.8
GOLDEN HARVEST H-6907RR	95		18.2 223.7	57.2	0.0	100	16.2 208.5	58.3	0.9	100	21.6 220.8	55.8	0.0	100	18.7 217.7	57.1	0.3	100	7.1	4.5	59.3
GOLDEN HARVEST H-7298RR	98		19.1 223.2	57.3	0.0	100	19.1 225.8	56.2	0.1	99	24.2 232.6	53.3	0.4	98	20.8 227.2	55.6	0.1	99	7.7	3.6	59.5
LEGACY 37L84	92		18.6 228.9	57.5	0.4	100	16.8 206.5	58.1	1.9	100	23.0 227.8	54.3	0.0	100	19.5 221.1	56.6	0.7	100	6.9	4.4	59.4
RENK RK438RRYGB	92		18.3 221.8	58.9	0.7	99	15.9 199.2	59.6	0.7	100	21.3 221.3	57.5	0.0	95	18.5 214.1	58.6	0.5	98	7.0	4.0	59.3
RENK RK452LLYGB	94		19.6 224.5	57.6	0.0	100	15.9 194.9	59.5	0.4	100	23.1 224.8	54.7	0.0	100	19.5 214.7	57.3	0.2	100	6.7	3.8	61.1
RENK RK478RRYGB	94		19.6 207.3	58.5	1.4	99	16.1 188.5	59.6	0.7	100	22.2 214.1	56.6	0.4	99	19.3 203.3	58.2	0.8	99	7.6	3.4	60.4
RENK RK488RR	95		18.6 230.0	58.0	0.4	100	16.6 207.9	58.0	0.6	100	22.3 235.9	55.7	0.0	100	19.2 224.6	57.3	0.3	100	7.3	4.7	58.6
RENK RK488YGB	95		18.6 223.1	57.3	0.4	99	16.5 202.6	57.4	2.0	100	21.9 224.6	54.9	0.7	100	19.0 216.8	56.5	1.0	100	7.0	4.4	59.3
RENK RK556	97		20.1 212.7	56.8	1.1	94	18.3 224.9	56.2	0.4	99	23.5 209.0	53.7	0.7	93	20.6 215.6	55.5	0.7	95	8.4	3.8	59.3
RENK RK556RR	97		20.0 236.7	56.9	0.0	100	18.5 225.3	56.0	0.5	100	24.5 215.6	53.3	1.4	100	21.0 225.9	55.4	0.6	100	8.2	3.8	59.6
RENK RK632YGB	99		20.3 245.0	56.6	0.4	100	18.8 232.7	57.2	1.8	100	25.1 223.6	53.6	0.0	100	21.4 233.8	55.8	0.7	100	7.1	4.3	59.9
STEYER 2050	97		19.1 210.7	56.7	0.8	90	18.2 209.0	56.5	0.7	95	23.5 198.7	52.8	0.4	94	20.3 206.1	55.3	0.6	93	7.6	3.7	60.6
STEYER 9201	92		19.1 220.0	57.5	0.0	100	17.0 208.6	56.7	0.0	100	21.9 201.4	55.2	0.7	99	19.3 210.0	56.5	0.2	100	8.2	3.1	59.0
Average			19.1 224.1	57.3	0.4	99	17.1 208.5	57.6	1.0	100	22.9 220.1	54.6	0.4	99	19.7 217.6	56.5	0.6	99	7.3	4.0	59.8
AGRIGOLD A6235Bt	99	P250	19.8 217.9	56.0	0.0	99	18.4 216.1	56.8	0.0	100	25.3 213.9	52.9	0.0	99	21.2 216.0	55.3	0.0	100	7.6	3.7	59.7
AGRIGOLD A6263	100	P250	21.8 229.9	53.5	1.1	99	20.5 229.6	52.4	0.7	100	27.7 231.3	50.3	0.7	100	23.3 230.3	52.1	0.8	100	7.4	3.9	59.9
BAYSIDE 2295 P250	95	P250	18.5 225.1	57.0	0.4	99	17.1 196.2	57.5	0.7	99	21.7 220.8	54.9	1.4	98	19.1 214.0	56.5	0.8	99	7.3	4.4	58.7
BAYSIDE NorthGro NG5518RR	95	P250	19.8 211.0	56.1	0.4	100	18.8 228.0	56.1	0.8	100	24.8 225.4	53.4	0.0	100	21.2 221.5	55.2	0.4	100	7.8	3.4	60.3
BAYSIDE Super 93 P250	93	P250	18.0 228.3	57.3	0.0	100	17.4 209.8	56.8	0.1	100	22.7 221.3	53.8	0.7	100	19.4 219.8	55.9	0.3	100	7.2	4.2	60.4
BROWN 5130YGB	100	C250	21.6 220.8	55.5	0.0	100	19.3 217.9	56.2	0.0	100	27.4 225.7	52.6	0.4	100	22.8 221.5	54.7	0.1	100	7.5	3.6	59.7
BROWN 5636	98	C250	22.0 248.7	54.6	0.7	100	19.4 229.9	56.0	0.7	100	25.9 222.1	52.7	0.0	100	22.4 233.6	54.4	0.5	100	7.2	3.3	61.1
DAIRYLAND STEALTH-1503	100	P250	21.7 244.9	55.3	0.4	100	19.4 232.6	56.0	0.1	100	26.4 239.9	52.5	0.4	100	22.5 239.1	54.6	0.3	100	6.9	3.2	61.6
DAIRYLAND STEALTH-1598	98	P250	20.1 236.5	57.1	0.0	100	17.9 225.3	56.5	0.7	100	24.0 225.7	53.7	0.4	100	20.7 229.2	55.8	0.4	100	8.1	3.8	59.8
DAIRYLAND STEALTH-5194	94	P250	18.4 223.3	58.0	1.1	99	15.9 199.1	58.3	0.8	99	21.5 226.0	56.6	0.4	100	18.6 216.2	57.6	0.7	100	6.9	4.3	59.0
DAIRYLAND STEALTH-5497	98	P250	19.1 220.3	57.7	0.4	100	16.1 204.5	58.3	0.4	100	22.5 226.2	54.8	0.4	100	19.2 217.0	56.9	0.4	100	6.6	4.4	59.8
DEKALB DK440	94	P250	18.1 218.9	56.7	1.8	100	15.9 202.4	57.2	0.7	100	22.2 237.2	55.0	0.4	100	18.7 219.5	56.3	0.9	100	7.0	4.1	59.9
DEKALB DK044-46 (RR2YGB)	94	P250	18.8 225.6	57.0	1.1	100	16.6 212.6	57.3	2.7	100	23.3 231.8	55.0	0.0	100	19.5 223.4	56.4	1.3	100	6.6	3.9	60.0
DEKALB DKC46-28 (RR2)	96	P250	19.1 234.4	57.8	1.1	100	16.1 200.6	58.9	8.3	100	23.2 238.6	55.6	0.7	100	19.5 224.5	57.4	3.4	100	6.4	3.8	61.0
DEKALB DKC47-10 (RR2YGB)	97	P250	18.8 224.7	58.1	1.1	100	15.5 190.7	59.1	10.4	100	24.3 221.1	55.4	0.4	99	19.5 212.2	57.5	4.0	100	6.6	4.1	60.7
DEKALB DK048-52 (RR2)	98	P250	19.2 236.0	57.1	0.7	99	16.4 209.4	57.5	0.8	100	23.6 236.6	53.8	0.7	100	19.7 227.3	56.2	0.7	100	6.2	3.8	61.0
DEKALB DKC50-18 (YGB)	100	P250	19.8 234.5	57.1	0.7	100	17.0 211.8	58.2	1.6	100	25.0 234.1	54.5	0.0	100	20.6 226.8	56.6	0.8	100	6.6	3.7	60.4
DEKALB DKC50-20 (RR2YGB)	100	P250	19.7 238.3	58.7	0.0	100	17.4 218.3	58.4	3.1	100	25.0 236.5	54.4	0.0	100	20.7 231.0	57.1	1.0	100	6.8	4.1	60.4
DYNAGRO 53F49	92	P250	18.8 227.1	57.6	1.1	100	16.3 211.0	58.3	0.0	100	21.7 220.5	56.2	0.7	100	18.9 219.5	57.4	0.6	100	7.5	4.4	58.6
DYNAGRO 53K34	93	P250	18.7 213.1	59.0	0.4	100	17.2 191.3	58.8	0.3	100	22.7 214.2	56.3	0.0	100	19.5 206.2	58.0	0.2	100	7.5	3.4	60.4
DYNAGRO 53K98	94	P250	18.5 226.4	57.6	0.4	99	16.4 199.6	58.0	0.7	100	22.4 227.6	55.4	1.1	100	19.1 217.9	57.0	0.7	100	7.0	4.3	59.5
DYNAGRO 54K11	96	P250	19.6 230.6	56.1	0.4	99	18.6 220.4	55.8	0.4	100	24.1 239.6	54.1	0.7	100	20.8 230.2	55.3	0.5	100	7.8	3.5	60.4
GARST 8881RR	95	P250	18.6 224.5	58.3	0.7	100	17.0 208.3	58.1	0.2	100	21.8 224.4	55.2	0.0	100	19.1 219.1	57.2	0.3	100	7.3	4.6	58.9
GREAT LAKES 4521RR	95	P250	18.5 221.7	57.7	0.4	100	16.7 204.1	57.9	2.3	100	22.1 227.2	55.1	0.0	100	19.1 217.7	56.9	0.9	100	7.1	4.3	59.2
GREAT LAKES 5088Bt	100	P250	19.4 219.8	56.1	0.7	99	19.2 220.9	55.6	0.3	100	25.6 209.0	53.2	0.0	98	21.4 216.6	54.9	0.3	99	7.6	3.5	59.7

2004

2004			INGHAM - Early				KENT - Early				SAGINAW - Early				EARLY TRIAL AVERAGE				QUALITY						
Brand / Hybrid	RM	TRT	%H2O Bu/A	Twt	%SL	%Std	%H2O Bu/A	Twt	%SL	%Std	%H2O Bu/A	Twt	%SL	%Std	%H2O Bu/A	Twt	%SL	%Std	Prot	Oil	Strch				
HIGH CYCLE HC5B353	100	P250	21.7	272.5**	55.9	0.0	99	19.4	248.4**	56.5	1.1	99	25.6	249.8**	52.9	0.7	100	22.2	256.9**	55.1	0.6	99	7.3	3.8	60.4
HIGH CYCLE HC7525YGCGB	100	P250	19.8	242.2	57.8	0.4	100	18.1	216.9	57.4	1.7	100	23.5	223.9	53.8	0.4	99	20.4	227.7	56.3	0.8	100	7.2	3.8	60.8
HIGH CYCLE HC7560YGCGB	102	P250	20.4	235.9	56.9	0.4	100	17.6	200.6	56.2	1.4	100	24.9	240.8*	53.4	0.0	100	21.0	225.8	55.5	0.6	100	7.1	4.5	59.1
HIGH CYCLE HC7592RRYGCGB	100	P250	22.7	221.6	56.2	0.4	100	20.2	210.4	56.8	2.1	100	25.9	230.3	53.7	0.0	99	22.9	220.8	55.6	0.8	100	6.7	3.3	62.0
HYLAND SEEDS HL2368	90	P250	18.5	217.8	57.7	0.7	100	16.8	192.6	57.4	0.2	100	21.0	225.6	54.8	0.4	100	18.8	212.0	56.7	0.4	100	6.9	4.3	59.5
HYLAND SEEDS HL2507	100	P250	19.3	231.8	56.1	0.4	98	18.8	202.6	55.4	1.1	99	25.9	225.5	52.4	0.8	97	21.4	219.9	54.6	0.7	98	7.9	4.3	58.9
HYLAND SEEDS HLB282	92	P250	18.9	222.2	57.1	0.0	96	17.7	207.9	56.9	2.3	99	22.8	229.6	54.3	0.0	98	19.8	219.9	56.1	0.8	98	7.1	4.6	59.1
HYLAND SEEDS HLB292	100	P250	20.0	233.8	56.5	0.4	96	19.1	213.2	55.3	0.0	97	26.6	218.3	52.4	0.0	90	21.9	221.8	54.7	0.1	94	7.7	4.1	60.1
TRELAY 4200	95	P250	19.2	231.1	57.5	0.4	100	18.3	223.6	56.1	0.8	100	24.5	234.6	53.4	0.7	100	20.7	229.8	55.7	0.6	100	7.2	3.6	61.1
Average	250		19.6	227.8	56.9	0.5	99	17.7	210.9	57.0	1.4	100	24.0	224.5	54.1	0.4	99	20.5	222.0	56.0	0.8	100	7.2	3.9	60.0
BAYSIDE Super 93 P1250	93	P1250	18.4	225.9	57.3	0.0	100	17.8	201.2	56.3	1.1	100	23.0	225.4	53.6	0.0	98	19.7	217.5	55.8	0.4	99	7.3	4.0	60.3
GENESIS 2D100CRWYGCGB	95	C1250	21.0	229.2	56.5	0.4	100	18.5	207.2	56.6	0.1	100	24.5	222.8	54.1	0.4	100	21.3	219.7	55.7	0.3	100	8.1	3.4	59.6
GENESIS 2D92CRWRR	93	C1250	18.7	207.1	58.9	0.0	100	15.9	203.9	59.2	0.4	100	21.8	222.5	56.6	1.1	100	18.8	211.2	58.2	0.5	100	7.6	3.5	60.0
GENESIS 2D93RRYGCGB	93	C1250	18.9	212.7	58.4	0.4	100	16.8	194.1	59.3	2.1	100	22.3	222.9	56.5	0.0	100	19.3	209.9	58.1	0.8	100	7.2	3.4	60.2
GENESIS 2D97RRYGCGB	97	C1250	19.4	226.3	56.8	0.0	99	18.0	223.1	56.6	0.4	100	24.9	225.3	53.7	0.7	100	20.8	224.9	55.7	0.4	100	8.0	3.3	60.0
GENESIS 3C100YGCGB	100	C1250	21.6	229.1	55.7	0.7	99	20.1	230.1	55.7	0.2	99	27.0	231.9	52.2	0.0	100	22.9	230.4	54.5	0.3	99	7.7	3.4	60.2
GENESIS 3C96YGCGB	96	C1250	19.2	221.9	58.5	0.0	99	17.3	206.9	59.2	0.1	100	22.3	203.0	57.4	0.0	100	19.6	210.6	58.4	0.0	100	8.1	3.1	59.4
GENESIS 3CX96YGCGB	94	C1250	18.9	219.0	58.2	0.0	99	16.9	191.5	58.3	0.3	95	22.4	192.6	56.6	0.4	100	19.4	201.0	57.7	0.2	98	8.3	3.3	58.8
GENESIS 3D92YGCGB	92	C1250	18.7	223.4	57.7	0.7	100	16.6	200.7	57.6	1.4	100	20.9	212.6	56.5	3.8	100	18.7	212.2	57.3	2.0	100	8.0	3.9	58.7
NK Brand N36-R6	96	C1250	20.3	229.1	54.3	0.4	100	18.6	217.9	54.1	1.7	100	25.8	231.5	50.6	0.7	100	21.6	226.2	53.0	0.9	100	7.6	3.9	60.2
NK Brand N43-C4	98	C1250	19.7	231.1	55.2	0.0	99	18.3	213.6	55.4	0.8	99	24.2	230.9	53.7	0.0	100	20.7	225.2	54.8	0.3	100	7.5	3.6	59.4
NK Brand N45-A6	100	C1250	19.1	236.8	55.3	0.4	100	16.9	214.7	56.0	0.7	100	24.1	242.4*	52.9	0.4	100	20.1	231.3	54.7	0.5	100	6.8	4.5	58.5
PIONEER 37F16	98	P1250	19.7	224.5	57.0	0.7	100	19.4	201.7	55.7	0.1	100	24.3	216.2	53.8	0.4	100	21.2	214.1	55.5	0.4	100	7.5	4.2	58.5
PIONEER 38B85	96	P1250	20.8	217.8	58.4	2.1	100	16.8	210.9	59.6	1.1	100	23.4	223.5	56.6	0.4	100	20.3	217.4	58.2	1.2	100	7.4	3.9	59.5
Average	1250		19.6	223.9	57.0	0.4	100	17.7	208.4	57.1	0.7	100	23.6	221.7	54.6	0.6	100	20.3	218.0	56.3	0.6	100	7.6	3.7	59.5
AVERAGE			19.5	226.5	57.1	0.4	99	17.5	210.2	57.2	1.1	100	23.6	224.3	54.4	0.4	99	20.2	220.3	56.2	0.7	99	7.3	3.9	59.9
HIGHEST			22.7	272.5	59.0	2.1	100	20.5	248.4	59.6	10.4	100	27.7	249.8	57.5	3.8	101	23.3	256.9	58.6	4.0	100	8.4	4.7	62.0
LOWEST			18.0	207.1	53.5	0.0	90	15.5	188.5	52.4	0.0	95	20.9	192.6	50.3	0.0	90	18.5	201.0	52.1	0.0	93	6.2	3.1	58.5
CV (%)			3.5	4.2	1.3			4.1	5.1	1.2			2.6	5.3	1.5			3.6	5.2	1.4			5.4	6.0	1.2
LSD (.05%)			0.8	11.1	0.9			0.9	12.6	0.8			0.7	13.8	1.0			0.5	7.7	0.5			0.5	0.3	0.8

** Highest Yielding Hybrid

* Not Significantly Different from Highest Yielding Hybrid

2 Year AVERAGES

2 Year Averages		INGHAM - Early				KENT - Early				SAGINAW - Early				EARLY TRIAL AVERAGE				QUALITY						
Brand / Hybrid	RM	%H2O Bu/A	Twt	%SL	%Std	%H2O Bu/A	Twt	%SL	%Std	%H2O Bu/A	Twt	%SL	%Std	%H2O Bu/A	Twt	%SL	%Std	Prot	Oil	Strch				
BAYSIDE 1700	100	20.2	220.6 *	56.5	0.3	99	20.9	209.1	55.9	0.3	98	23.2	199.5	53.7	1.2	97	21.4	209.7	55.4	0.6	98	8.3	3.8	59.7
BAYSIDE 1795	95	18.5	209.9	56.8	2.0	98	20.1	213.3	56.2	0.6	96	21.0	208.8	54.9	1.0	98	19.9	210.7	55.9	1.2	97	8.0	3.9	60.1
BAYSIDE Super 93	93	18.6	206.3	56.3	1.2	99	19.4	209.6	55.7	1.7	100	20.7	199.1	54.5	1.4	99	19.6	205.0	55.5	1.4	99	7.2	3.7	61.0
BROWN 5130YGCB	100	21.1	210.3	54.9	0.2	99	22.6	210.6	54.7	0.1	97	25.5	205.1	52.9	0.8	97	23.1	208.6	54.2	0.4	98	8.2	3.6	59.2
BROWN 5636	98	21.2	212.5	54.5	0.8	89	22.3	193.5	54.4	0.4	80	24.8	197.4	52.4	0.2	88	22.8	201.1	53.8	0.5	86	7.9	3.3	60.4
DAIRYLAND STEALTH-1598	98	19.0	224.9**	56.4	0.4	97	20.3	209.8	55.2	1.2	92	21.2	205.3	54.8	1.3	95	20.1	213.3 *	55.5	1.0	95	8.4	3.8	59.5
DAIRYLAND STEALTH-5497	98	18.4	208.9	57.1	3.1	99	18.4	200.5	56.8	0.9	94	21.4	211.8 *	54.9	1.1	98	19.4	207.1	56.3	1.7	97	7.1	4.3	59.2
DEKALB DKC46-28 (RR2)	96	18.8	218.7 *	57.7	2.8	100	18.3	197.9	57.4	4.9	98	21.3	217.3 *	56.0	1.9	100	19.4	211.3 *	57.0	3.2	99	7.1	3.9	60.4
DEKALB DKC47-10 (RR2/YGCB)	97	18.8	213.6	58.3	2.1	100	17.4	193.7	58.2	5.8	100	21.6	207.3	56.2	1.2	97	19.3	204.9	57.6	3.0	99	7.2	4.1	59.8
DEKALB DKC50-18 (YGCB)	100	19.7	217.6 *	56.7	1.6	100	19.2	214.6	56.8	1.2	99	22.0	218.1**	55.2	0.5	98	20.3	216.8**	56.2	1.1	99	7.3	3.9	59.7

- 2 Year & 3 Year Averages Continued on 14.

TABLE 2E - Continued from page 13

INGHAM, KENT & SAGINAW COUNTY GRAIN TRIALS - EARLY (100 Day and Earlier)

ZONE 2

2 Year AVERAGES		INGHAM - Early				KENT - Early				SAGINAW - Early				EARLY TRIAL AVERAGE				QUALITY						
Brand / Hybrid	RM	%H2O Bu/A	Twt	%SL	%Std	%H2O Bu/A	Twt	%SL	%Std	%H2O Bu/A	Twt	%SL	%Std	%H2O Bu/A	Twt	%SL	%Std	Prot	Oil	Strch				
DYNAGRO 53F49	92	18.0	214.3	57.7	2.2	99	18.4	202.4	57.2	0.6	97	20.4	204.6	56.3	1.7	99	18.9	207.1	57.1	1.5	98	7.7	4.4	58.4
GENESIS 3C100YGCB	100	20.9	210.1	55.7	0.8	99	22.8	224.7**	54.6	0.1	99	25.2	207.3	53.0	0.7	98	22.9	214.0*	54.4	0.5	99	8.2	3.5	59.6
GENESIS 3C96YGCB	96	18.5	207.0	58.5	1.0	99	18.9	206.2	58.0	0.1	100	20.4	192.4	57.5	0.3	99	19.3	201.9	58.0	0.5	99	8.5	3.2	59.0
GOLDEN HARVEST H-7298RR	98	18.7	209.1	57.0	2.3	98	20.8	219.5*	56.2	0.7	92	21.8	208.8	54.2	0.8	97	20.4	212.5*	55.8	1.3	96	8.1	3.6	59.8
HIGH CYCLE HC7525YGCB	100	19.2	224.2*	57.5	1.2	100	19.9	212.9	56.5	0.8	98	20.6	202.0	55.3	1.4	99	19.9	213.0*	56.5	1.1	99	8.0	4.1	59.4
HYLAND SEEDS HL2368	90	18.0	201.5	56.8	2.6	100	18.8	191.7	56.3	1.5	99	19.7	205.1	55.4	1.9	97	18.8	199.4	56.2	2.0	99	7.5	4.4	58.6
HYLAND SEEDS HL2507	100	19.5	221.3*	55.2	0.9	99	20.8	198.8	55.1	0.9	98	22.1	197.2	53.8	1.4	95	20.8	205.8	54.7	1.1	97	8.6	4.3	58.3
HYLAND SEEDS HLB292	100	19.1	220.9*	56.3	1.0	98	20.8	210.5	55.2	0.2	94	22.6	200.2	54.0	0.3	94	20.8	210.5	55.2	0.5	95	8.5	4.1	59.0
NK Brand N43-C4	98	19.3	219.1*	54.7	0.8	99	21.1	203.2	53.9	1.4	97	21.6	210.7*	53.8	0.7	98	20.6	211.0	54.1	1.0	98	8.1	3.9	58.7
NK Brand N45-A6	100	18.8	220.6*	54.7	1.2	100	19.2	210.4	55.0	0.6	97	20.9	210.8*	53.8	0.4	98	19.6	213.9*	54.5	1.9	98	7.3	4.5	58.2
PIONEER 37F16	98	19.5	202.2	56.0	1.3	99	21.3	201.4	55.1	0.2	93	21.6	211.4*	54.8	0.5	98	20.8	205.0	55.3	0.7	97	8.2	4.3	57.7
RENK RK488YGCB	95	18.6	212.6	56.5	2.5	98	18.8	202.9	56.3	1.2	96	20.8	209.9*	55.1	0.7	98	19.4	208.5	56.0	1.4	97	7.4	4.4	61.8
RENK RK556	97	19.1	206.8	56.5	1.3	97	20.1	219.2*	55.4	1.3	98	20.8	199.3	54.8	1.2	95	20.0	208.4	55.6	1.3	97	8.3	3.7	59.7
TRELAY 4200	95	19.0	211.1	57.0	0.9	98	20.1	211.1	55.2	0.8	92	21.9	208.6	54.2	1.4	97	20.3	210.3	55.5	1.0	96	7.8	3.7	60.4
AVERAGE		19.2	213.5	56.5	1.4	98	20.0	207.0	55.9	1.2	96	21.8	205.7	54.6	1.2	97	20.3	208.7	55.7	1.3	97	7.9	3.9	59.5
HIGHEST		21.2	224.9	58.5	3.1	100	22.8	224.7	58.2	5.8	100	25.5	218.1	57.5	4.0	100	23.1	216.8	58.0	3.2	99	8.6	4.5	61.8
LOWEST		18.0	201.5	54.5	0.2	89	17.4	191.7	53.9	0.1	80	19.7	192.4	52.4	0.2	88	18.8	199.4	53.8	0.4	86	7.1	3.2	57.7
CV (%)		3.8	10.3	0.8	2.6	2.2	5.2	11.2	0.9	2.5	5.4	3.6	9.5	0.8	2.1	3.4	4.5	10.8	0.9	2.4	3.9	5.4	4.5	5.6
LSD (.05%)		0.6	9.6	0.7	1.6	1.4	0.8	9.9	0.7	1.5	3.3	0.7	8.8	0.6	1.3	2.1	0.4	5.7	0.4	0.8	1.4	0.3	0.2	1.0

3 Year AVERAGES		INGHAM - Early				KENT - Early				SAGINAW - Early				EARLY TRIAL AVERAGE				QUALITY						
Brand / Hybrid	RM	%H2O Bu/A	Twt	%SL	%Std	%H2O Bu/A	Twt	%SL	%Std	%H2O Bu/A	Twt	%SL	%Std	%H2O Bu/A	Twt	%SL	%Std	Prot	Oil	Strch				
BAYSIDE 1700	100	18.8	201.7	56.9	0.7	99	19.9	187.4	56.2	0.3	98	22.1	200.0	54.7	1.4	98	20.3	196.4	55.9	0.8	98	8.4	3.7	59.5
BAYSIDE 1795	95	17.8	200.3	57.1	1.6	97	19.1	178.3	56.7	0.8	95	20.2	194.5	55.6	1.1	94	19.0	191.1	56.4	1.1	96	8.1	3.8	60.1
BAYSIDE Super 93	93	17.7	196.5	56.5	1.5	100	18.8	188.7	55.7	1.3	99	19.8	193.1	55.2	1.5	98	18.8	192.8	55.8	1.4	99	7.4	3.7	60.9
DAIRYLAND STEAL TH-1598	98	18.0	208.9*	56.9	1.1	96	19.5	179.5	55.8	1.1	90	20.2	202.1*	55.4	1.0	93	19.3	196.8	56.1	1.1	93	8.3	3.7	59.8
GENESIS 3C100YGCB	100	19.5	201.3	56.7	0.7	99	21.4	200.7**	55.6	0.9	99	23.7	209.3**	54.4	0.7	99	21.5	203.8**	55.6	0.5	99	8.3	3.5	59.6
GENESIS 3C96YGCB	96	17.7	192.0	58.7	1.2	95	18.3	174.3	58.4	0.1	97	19.8	192.4	58.1	0.3	96	18.6	186.3	58.4	0.5	96	8.6	3.3	59.3
GOLDEN HARVEST H-7298RR	98	17.9	196.2	57.3	2.4	96	19.8	180.5	56.4	0.7	90	20.8	199.2	55.4	0.9	94	19.5	192.0	56.4	1.4	93	8.1	3.5	60.1
HIGH CYCLE HC7525YGCB	100	18.3	214.8**	57.7	1.1	100	19.5	189.5*	56.5	0.8	96	20.2	201.1	55.8	1.6	99	19.3	201.8*	56.7	1.2	98	8.0	4.1	59.7
HYLAND SEEDS HL2507	100	18.3	205.0	56.0	1.5	98	19.9	174.6	55.4	1.0	94	21.0	190.8	54.7	2.1	93	19.7	190.1	55.4	1.5	95	8.8	4.2	58.4
NK Brand N43-C4	98	18.2	205.5	55.0	0.7	99	20.0	179.7	53.7	1.1	96	20.6	197.0	54.2	0.6	97	19.6	194.1	54.3	0.8	97	8.3	3.9	58.5
RENK RK556	97	18.2	199.6	56.9	1.2	96	19.1	190.0*	55.9	1.0	98	19.9	194.2	55.6	1.1	93	19.1	194.6	56.1	1.1	96	8.3	3.7	59.8
AVERAGE		18.2	199.8	56.9	1.2	98	19.6	180.4	56.0	0.7	96	20.7	195.8	55.4	1.1	96	19.5	192.7	56.1	1.0	96	8.2	3.7	59.6
HIGHEST		19.5	214.8	58.7	2.4	100	21.4	200.7	58.4	1.3	99	23.7	209.3	58.1	2.1	99	21.5	203.8	58.4	1.5	99	8.8	4.2	60.9
LOWEST		17.7	192.0	55.0	0.7	95	18.3	174.3	53.7	0.0	90	19.8	190.8	54.2	0.3	93	18.6	186.3	54.3	0.5	93	7.4	3.3	58.4
CV (%)		3.3	10.0	0.7	4.6	3.1	4.7	15.3	0.9	2.4	5.6	3.7	10.0	0.8	2.3	4.3	4.2	14.7	0.9	3.3	4.4	5.2	4.7	4.7
LSD (.05%)		0.4	7.9	0.5	2.3	1.6	0.6	11.2	0.6	1.1	2.8	0.6	7.8	0.5	1.1	2.2	0.3	6.5	0.3	0.9	1.3	0.3	0.2	0.8

** Highest Yielding Hybrid

* Not Significantly Different from Highest Yielding Hybrid

TABLE 2L - Continued from page 17.

INGHAM, KENT & SAGINAW COUNTY GRAIN TRIALS - LATE (101 Day and Later)

ZONE 2

2 Year AVERAGES		INGHAM - Late				KENT - Late				SAGINAW - Late				LATE TRIAL AVERAGE				QUALITY						
Brand / Hybrid	RM	%H2O Bu/A	Twt	%SL	%Std	%H2O Bu/A	Twt	%SL	%Std	%H2O Bu/A	Twt	%SL	%Std	%H2O Bu/A	Twt	%SL	%Std	Prot	Oil	Strch				
AGRIGOLD A6333Bt	104	24.0	209.1	51.5	0.8	100	25.3	223.9 *	51.4	1.4	98	27.9	209.1	49.8	0.2	98	25.8	214.0	50.9	0.8	99	7.7	3.9	59.4
BAYSIDE Super 105	105	22.2	229.5 *	52.8	0.8	97	24.7	223.6 *	51.7	0.5	95	26.6	197.1	49.8	1.1	94	24.5	216.7 *	51.4	0.8	95	7.5	4.0	59.7
BROWN 5345YGCB	101	22.0	215.4	54.8	0.5	96	22.7	210.7	53.5	0.9	96	25.5	194.4	52.5	1.1	89	23.4	206.8	53.6	0.8	93	8.5	4.0	59.4
BROWN 6850YGCB	104	24.8	231.7 *	51.7	0.3	98	26.0	221.5 *	51.6	2.6	99	27.6	190.5	50.1	1.2	97	26.1	214.6	51.1	1.4	98	7.8	3.8	60.3
CORN BELT C57B8Bt	107	24.3	219.6	51.9	2.2	96	26.9	225.0 **	50.9	0.0	95	28.9	196.9	49.0	2.3	95	26.7	213.8	50.6	1.5	95	8.6	3.6	58.9

Brand / Hybrid	RM	%H2O Bu/A	Twt	%SL %Std	%H2O Bu/A	Twt	%SL %Std	%H2O Bu/A	Twt	%SL %Std	%H2O Bu/A	Twt	%SL %Std	Prot	Oil	Strch
DAIRYLAND STEALTH-1606	107	23.0 225.5*	52.9	0.8 100	23.7 217.9*	53.1	2.0 97	25.4 200.7	51.6	1.2 99	24.0 214.7	52.5	1.3 99	7.5	3.7	59.6
DAIRYLAND STEALTH-5104	104	22.7 219.1	54.2	1.0 99	23.0 210.8	54.5	0.2 96	25.9 201.6	53.2	0.4 99	23.9 210.5	53.9	0.5 98	7.7	3.6	60.3
DEKALB DKC53-33 (RR2)	103	20.1 226.9*	56.3	0.9 100	21.2 205.6	54.4	2.1 97	23.7 206.1	54.0	0.5 98	21.7 212.9	54.9	1.2 98	7.2	4.1	59.8
DEKALB DKC53-34 (RR2/YGCB)	103	21.2 223.6*	55.1	1.5 100	21.6 214.1	54.3	0.9 99	24.4 202.2	52.9	0.7 98	22.4 213.3	54.1	1.0 99	7.7	4.2	59.1
GARST 8590IT	105	23.1 231.1*	53.8	1.3 100	22.9 216.7*	54.7	3.2 97	26.6 196.6	51.5	1.3 97	24.2 214.8	53.3	1.9 98	7.4	4.0	60.0
GARST 8590RR	105	23.2 217.9	53.5	3.8 99	23.6 221.7*	53.6	0.4 97	26.0 195.0	51.3	0.5 98	24.3 211.5	52.8	1.6 98	7.6	4.0	60.2
GREAT LAKES 5377	103	22.2 220.5	53.5	0.7 99	23.6 222.0*	53.4	0.0 100	27.4 209.8	51.5	0.7 100	24.4 217.4*	52.8	0.5 100	7.0	3.5	61.6
HIGH CYCLE HC7601YGCB	103	22.6 230.0*	54.9	0.2 100	23.6 216.3*	53.9	0.7 99	25.6 204.4	53.1	0.2 100	23.9 216.9*	53.9	0.4 100	7.9	3.5	60.2
JUNG 6545YGCB	105	22.2 219.2	54.5	0.3 100	23.2 221.8*	54.2	0.0 99	25.2 204.5	53.2	0.5 98	23.6 215.2	54.0	0.3 99	7.5	3.5	60.7
NK Brand N50-P5	103	20.9 225.0*	53.7	2.2 100	22.6 212.9	53.3	0.5 99	23.7 200.3	52.2	2.4 100	22.4 212.7	53.1	1.7 100	7.7	4.3	59.3
NK Brand N51-Z7	104	22.6 231.0*	53.2	1.1 100	22.2 216.1*	53.6	2.1 100	24.7 219.1**	52.6	0.0 98	23.2 222.1*	53.1	1.1 99	6.8	4.0	61.3
NK Brand N58-D1	106	23.3 222.5*	52.7	0.7 100	25.2 212.6	52.7	0.9 99	27.3 200.7	52.0	0.7 99	25.3 211.9	52.5	0.8 99	7.8	3.9	58.9
PIONEER 35Y55	106	22.0 228.2*	52.2	1.4 100	24.6 220.2*	51.2	1.6 97	26.2 214.9*	51.2	1.4 98	24.3 221.1*	51.5	1.5 98	8.2	4.0	58.6
RENK RK636YGCB	102	20.6 205.0	54.0	2.0 99	21.4 204.4	53.8	0.4 99	23.6 206.8	52.4	0.9 100	21.9 205.4	53.4	1.1 99	7.9	4.0	59.2
RENK RK772YGCB	104	20.2 231.7*	55.3	0.0 100	21.0 211.3	53.6	3.0 97	23.6 208.4	52.9	1.2 100	21.6 217.1*	53.9	1.4 99	7.7	4.5	58.7
RUPP XR8619	102	21.8 214.4	55.7	0.2 99	22.5 211.2	54.9	0.0 99	25.4 198.6	53.0	0.4 99	23.3 208.1	54.5	0.2 99	8.1	3.5	59.6
RUPP XR8682	106	24.4 230.6*	50.9	1.4 100	27.2 221.3*	50.6	1.2 98	28.9 202.5	48.7	4.0 98	26.8 218.1*	50.1	2.2 99	8.0	3.8	59.3
TRELA 7012	105	23.4 232.4**	52.9	0.4 99	24.6 222.9*	52.4	1.2 99	26.0 210.6*	51.3	1.7 99	24.7 222.0*	52.2	1.1 99	7.5	4.3	60.3
VIGORO V43Y31	103	21.4 225.2*	55.8	0.4 99	21.3 205.4	55.7	3.5 98	23.8 196.4	53.6	1.6 99	22.2 209.0	55.0	1.8 99	8.0	4.3	59.4
VIGORO V4530	105	22.6 229.9*	53.4	0.5 99	24.6 210.7	52.6	0.2 97	27.2 206.7	51.1	1.1 98	24.8 215.8	52.4	0.6 98	7.1	3.7	61.2
AVERAGE		22.4 223.8	53.6	1.0 99	23.6 216.0	53.2	1.2 98	25.9 203.0	51.8	1.1 98	24.0 214.3	52.9	1.1 98	7.7	3.9	59.8
HIGHEST		24.8 232.4	56.3	3.8 100	27.2 225.0	55.7	3.5 100	28.9 219.1	54.0	4.0 100	26.8 222.1	55.0	2.2 100	8.6	4.5	61.6
LOWEST		20.1 205.0	50.9	0.0 96	21.0 204.4	50.6	0.0 95	23.6 190.5	48.7	0.0 89	21.6 205.4	50.1	0.2 93	6.8	3.5	58.6
CV (%)		4.8 11.4	1.0 2.3	5.2 3.4	5.6 10.6	0.8 2.9	5.7 3.6	4.3 10.1	0.8 2.0	3.3 2.0	5.2 10.9	0.9 2.4	4.8 1.8	6.5 3.9	3.5 0.6	0.6
LSD (.05%)		0.9 10.9	0.8 1.5	3.4 3.4	1.0 9.7	0.7 1.8	3.6 3.6	0.9 9.0	0.6 1.2	2.0 2.0	0.6 5.7	0.4 0.9	1.8 1.8	0.4 0.2	0.2 0.6	0.6

3 Year Averages																									
INGHAM - Late				KENT - Late				SAGINAW - Late				LATE TRIAL AVERAGE				QUALITY									
Brand / Hybrid	RM	%H2O Bu/A	Twt	%SL	%Std	%H2O Bu/A	Twt	%SL	%Std	%H2O Bu/A	Twt	%SL	%Std	%H2O Bu/A	Twt	%SL	%Std	Prot	Oil	Strch					
AGRIGOLD A633Bt BAYSIDE Super 105 CORN BELT C57B8Bt DAIRYLAND STEALTH-1606 DEKALB DKC53-33 (RR2) DEKALB DKC53-34 (RR2/YGCB) GARST 8590IT GARST 8590RR GREAT LAKES 5377 NK Brand N51-Z7	104	22.1	203.3	52.8	0.8	100	24.0	206.6*	52.8	1.2	95	26.3	204.8	51.4	0.5	98	24.1	204.9	52.3	0.8	98	7.8	4.0	59.4	
	105	20.4	212.2	53.6	1.2	97	23.3	205.4*	52.8	1.7	94	24.8	197.5	51.4	1.7	94	22.8	205.0	52.6	1.6	95	7.7	3.9	59.7	
	107	22.3	209.0	53.1	1.8	97	24.7	210.7**	52.8	1.2	96	26.9	204.9	50.7	1.6	96	24.7	208.2	52.2	1.6	96	8.6	3.6	59.3	
	107	21.1	205.6	54.0	1.2	100	23.1	197.5	53.2	1.8	96	24.4	203.0	52.4	1.5	99	22.9	202.0	53.2	1.5	98	7.7	3.7	59.6	
	103	18.9	215.5	56.5	1.4	100	20.6	192.0	55.1	2.3	96	22.3	203.9	54.5	1.1	98	20.6	203.8	55.4	1.6	98	7.4	4.2	59.6	
	103	19.9	218.3*	55.5	1.4	97	21.3	203.0*	54.4	1.2	97	22.9	200.9	53.7	0.5	97	21.4	207.4	54.5	1.0	97	7.9	4.3	59.1	
	105	21.1	213.5	54.7	1.4	97	21.9	204.5*	54.9	2.9	96	24.8	193.6	52.9	1.4	96	22.6	203.9	54.2	1.9	96	7.5	4.1	60.1	
	105	21.1	204.5	54.4	2.6	98	22.3	209.2*	54.2	0.8	95	24.9	196.7	52.7	0.5	96	22.8	203.5	53.8	1.3	96	7.7	4.0	60.4	
	103	20.4	205.2	55.0	0.7	100	22.1	205.3*	54.7	0.2	100	25.5	206.7	52.7	1.3	98	22.7	205.7	54.1	0.7	99	7.0	3.5	61.7	
	104	20.7	224.0*	54.0	0.7	100	21.4	203.5*	53.9	1.5	99	23.3	219.5**	53.3	0.2	99	21.8	215.7**	53.7	0.8	99	6.8	4.0	61.4	
NK Brand N58-D1 PIONEER 35Y55 RENK RK772YGCB RUPP XR8682 TRELAY 7012 VIGORO V43Y31 VIGORO V4530 AVERAGE HIGHEST LOWEST CV (%) LSD (.05%)	106	21.4	215.6	54.2	0.5	99	23.4	194.1	54.2	1.2	97	26.4	197.5	52.6	0.6	98	23.7	202.4	53.7	0.8	98	7.9	4.0	59.2	
	106	20.6	225.6**	52.9	1.4	100	23.4	204.8*	52.0	2.2	96	24.8	204.5	51.8	0.9	97	22.9	211.6*	52.2	1.5	98	8.2	4.1	58.8	
	104	19.1	218.8*	55.2	0.2	100	20.5	197.5	53.9	2.7	98	23.2	205.7	53.1	0.8	99	21.0	207.4	54.1	1.3	99	7.9	4.6	58.4	
	106	22.1	217.2*	52.5	1.4	100	24.5	204.2*	52.3	1.7	97	28.2	201.8	50.0	2.8	99	24.9	207.7	51.6	2.0	98	8.3	3.8	59.2	
	105	21.5	218.5*	53.9	0.3	100	22.8	203.9*	53.2	1.1	97	24.4	200.7	52.5	2.7	97	22.9	207.7	53.2	1.3	98	7.9	4.3	60.1	
	103	19.8	213.8	56.7	0.7	98	21.4	195.6	56.1	2.8	99	23.2	201.1	54.7	1.3	99	21.5	203.5	55.8	1.6	99	8.0	4.3	59.4	
	105	20.8	214.8	54.8	0.8	99	22.7	197.0	54.1	0.7	97	25.2	202.8	52.6	1.0	98	22.9	204.9	53.8	0.8	98	7.1	3.7	61.2	
	AVERAGE		20.8	210.3	54.3	1.1	99	22.6	195.6	53.8	1.6	97	24.8	201.6	52.5	1.2	98	22.7	205.2	53.5	1.3	98	7.7	4.0	59.8
	HIGHEST		22.3	225.6	56.7	2.6	100	24.7	210.7	56.1	2.9	100	28.2	219.5	54.7	2.8	100	24.9	215.7	55.8	2.0	99	8.6	4.6	61.7
	LOWEST		18.9	203.3	52.5	0.2	97	19.8	192.0	52.0	0.2	88	22.3	193.6	50.0	0.2	94	20.6	202.0	51.6	0.7	94	6.8	3.5	58.4
CV (%)		4.5	11.2	0.9	2.4	4.8	6.8	15.0	1.3	3.3	8.8	4.8	10.7	0.9	2.3	4.0	5.9	15.6	1.1	2.7	6.3	6.4	8.2	3.3	
LSD (.05%)		0.7	9.1	0.6	1.2	2.6	1.0	11.6	0.8	1.6	4.6	0.8	8.3	0.6	1.1	2.1	0.5	7.1	0.4	0.8	1.9	0.3	0.3	0.5	

TABLE 2L

INGHAM, KENT & SAGINAW COUNTY GRAIN TRIALS - LATE (101 Day and Later)

ZONE 2

2004		INGHAM - Late				KENT - Late				SAGINAW - Late				LATE TRIAL AVERAGE				QUALITY		
Brand / Hybrid	RM TRT	%H2O Bu/A	Twt	%SL	%Std	%H2O Bu/A	Twt	%SL	%Std	%H2O Bu/A	Twt	%SL	%Std	%H2O Bu/A	Twt	%SL	%Std	Prot	Oil	Strch
BAYSIDE NorthGro NG5570RR	101	22.2 236.8 *	55.5	0.7	95	19.9 214.9	56.2	0.7	97	26.6 202.4	53.2	0.4	98	22.9 218.0	55.0	0.6	96	7.3	3.1	60.5
BAYSIDE NorthGro NGX2785YG	106	26.0 227.7	51.1	0.0	92	24.6 213.2	51.3	0.4	95	30.6 203.0	49.9	0.0	98	27.0 214.6	50.7	0.1	95	8.0	3.6	60.3
BAYSIDE Super 105	105	24.1 235.7	51.8	0.7	98	24.3 227.4 *	51.0	1.1	99	29.2 217.0	50.0	1.1	99	25.9 226.7	50.9	0.9	99	7.0	4.0	60.2
BAYSIDE Super 107	104	23.3 233.6	54.0	0.0	98	20.8 217.6	53.2	0.7	100	28.1 211.6	50.4	0.4	100	24.0 220.9	52.5	0.4	99	7.5	4.2	60.1
CORN BELT C57B88t	107	25.0 225.6	51.7	0.4	94	24.4 226.2 *	51.6	0.0	94	30.1 213.8	49.6	0.4	94	26.5 221.9	51.0	0.2	94	8.3	3.5	59.7
GARST 8625	104	23.9 234.7	54.4	0.7	100	20.8 221.4	54.5	0.7	100	27.4 207.1	51.7	0.0	100	24.0 221.0	53.5	0.5	100	8.1	3.9	60.2
GARST NE634IT	104	23.1 243.6 *	53.8	0.0	93	21.1 231.9 *	53.9	0.4	99	25.8 210.6	52.8	0.0	91	23.3 228.7	53.5	0.1	94	7.5	4.0	60.2
GOLDEN HARVEST H-9006Bt	110	26.7 238.3 *	50.7	1.4	100	21.6 215.8	52.3	3.8	99	29.2 217.8	50.6	0.0	100	25.8 224.0	51.2	1.7	100	7.5	4.1	60.4
LEGACY 35L25	102	24.4 223.9	52.5	0.4	100	22.2 221.6	52.9	0.4	100	29.0 204.9	50.8	0.0	100	25.2 216.8	52.0	0.2	100	7.0	3.6	61.3
LEGACY 35L35	104	24.0 236.2	54.1	0.4	98	20.2 212.9	54.7	0.0	100	27.4 220.3	51.3	0.0	99	23.8 223.1	53.4	0.1	99	7.9	3.8	60.0
PARTNERS BRAND 495YGCB	103	23.6 217.8	53.7	0.4	100	21.7 212.7	53.8	2.4	100	27.2 182.0	52.0	1.1	100	24.1 204.1	53.2	1.3	100	8.1	3.8	59.0
PARTNERS BRAND 511	101	20.3 230.1	56.0	0.7	100	17.5 186.2	55.2	0.7	100	27.2 206.5	51.9	0.4	99	21.7 207.6	54.3	0.6	100	6.6	4.1	61.7
PARTNERS BRAND 525HX1	102	23.1 240.8 *	52.6	0.7	100	19.8 217.6	53.0	1.1	100	27.6 221.2	50.4	0.4	100	23.5 226.5	52.0	0.7	100	6.7	3.7	61.9
PARTNERS BRAND 528YGCB	104	23.8 237.1 *	53.7	0.0	100	20.6 225.9 *	54.0	0.7	100	28.0 209.1	51.8	0.4	100	24.2 224.0	53.2	0.4	100	7.9	3.8	60.1
PARTNERS BRAND 580	105	25.8 220.0	51.4	1.1	100	24.3 225.1	52.7	0.0	100	31.1 203.1	50.4	0.4	100	27.0 216.1	51.5	0.5	100	6.7	3.8	60.7
RENK RK636RRYGCB	102	21.1 218.6	54.8	1.1	100	19.3 204.0	54.9	1.8	100	26.8 202.3	52.1	0.4	99	22.4 208.3	53.9	1.1	100	6.7	4.0	60.6
RENK RK636YGCB	102	21.8 222.0	54.1	0.7	99	19.0 200.7	54.3	0.7	100	26.0 218.0	51.5	0.4	100	22.3 213.6	53.3	0.6	100	7.3	3.8	60.0
RENK RK652LLYGCB	103	22.6 233.9	54.3	0.4	100	19.7 214.0	53.8	0.7	100	26.0 214.7	52.7	0.0	99	22.8 220.9	53.6	0.4	100	6.4	3.3	61.7
RENK RK72YGCB	104	20.1 239.6 *	56.0	0.0	100	18.5 198.9	54.1	5.9	100	26.4 211.3	52.3	0.4	100	21.7 216.6	54.1	2.1	100	7.3	4.6	59.1
STEYER 2355	105	25.2 251.6**	52.0	0.4	99	22.2 222.8	52.2	1.1	100	28.1 208.6	49.9	0.4	100	25.2 227.7	51.4	0.6	100	7.4	3.6	59.8
VIGORO V43Y31	103	22.2 247.6 *	55.6	0.4	98	20.4 201.1	55.9	6.3	100	26.6 212.6	52.6	0.0	100	23.0 220.4	54.7	2.2	99	7.4	4.1	60.1
Average		23.4 233.1	53.5	0.5	98	21.1 214.8	53.6	1.4	99	27.8 209.4	51.3	0.3	99	24.1 219.1	52.8	0.7	99	7.4	3.8	60.4
MYCOGEN 2G826	105 C125	23.4 235.9	54.3	0.4	100	20.7 220.5	53.5	0.4	100	29.0 211.3	51.6	0.0	100	24.3 222.5	53.1	0.2	100	7.8	4.1	60.0
MYCOGEN 2R570	104 C125	22.1 241.6 *	53.3	0.0	100	20.2 228.9 *	52.7	0.4	100	26.7 228.2	50.0	0.4	100	23.0 232.9 *	52.0	0.2	100	6.9	3.6	61.6
RUPP XR1609	101 C125	23.6 237.9 *	53.4	0.0	99	21.6 219.8	54.1	2.4	83	28.1 225.8	51.4	0.4	100	24.4 227.8	53.0	0.9	94	7.1	3.6	61.4
RUPP XR8619	102 C125	22.3 221.8	56.3	0.0	100	19.9 214.1	55.9	0.0	100	27.2 206.7	51.5	0.4	100	23.1 214.2	54.5	0.1	100	7.7	3.5	59.8
RUPP XR8882	106 C125	25.5 242.2 *	50.0	1.1	100	24.7 226.3 *	51.4	2.4	100	30.1 219.1	49.3	0.0	99	26.8 229.2 *	50.2	1.2	100	7.0	3.6	60.8
RUPP XS1650	106 C125	25.3 242.0 *	53.2	1.1	99	22.9 224.4	53.8	1.4	100	29.8 207.1	51.3	0.7	99	26.0 224.5	52.8	1.1	99	7.8	4.0	59.7
VIGORO V4530	105 C125	24.1 243.9 *	53.1	0.4	100	21.7 224.5	53.4	0.4	100	28.9 222.2	50.2	0.4	100	24.9 230.2 *	52.2	0.4	100	6.9	3.6	61.4
VIGORO V46Y41	105 C125	23.7 228.0	53.2	0.0	100	22.5 220.1	52.9	0.0	100	29.0 219.4	51.0	0.0	100	25.1 222.5	52.4	0.0	100	7.1	3.6	60.9
Average	125	23.7 236.6	53.3	0.4	100	21.8 222.3	53.4	0.9	98	28.6 217.5	50.8	0.3	100	24.7 225.5	52.5	0.5	99	7.3	3.7	60.7
AGRIGOLD A6333Bt	104 P250	25.7 227.9	50.8	0.4	100	22.7 219.0	52.2	2.4	100	29.5 219.4	49.7	0.0	100	25.9 222.1	50.9	0.9	100	7.1	3.9	60.2
AGRIGOLD A6341	104 P250	24.0 237.2 *	52.1	0.4	100	21.9 229.4 *	52.3	0.4	100	29.9 198.7	50.0	0.4	100	25.3 221.8	51.5	0.4	100	6.7	3.6	60.1
BROWN 5345YGCB	101 C250	23.3 213.7	54.7	0.4	91	20.5 205.8	53.8	1.5	94	27.5 202.1	51.5	0.0	83	23.8 207.2	53.3	0.6	89	8.3	4.0	59.4
BROWN 6220	102 C250	22.5 220.0	53.0	0.0	100	22.1 215.3	52.9	0.0	100	28.5 215.6	51.1	0.4	100	24.3 216.9	52.4	0.1	100	6.3	3.6	61.9
BROWN 6850YGCB	104 C250	25.8 244.9 *	51.1	0.4	99	25.3 219.6	51.3	4.2	100	29.9 202.3	50.2	0.4	100	27.0 222.3	50.9	1.6	100	7.6	3.8	60.6
DAIRYLAND STEALTH-1606	107 P250	24.5 243.5 *	52.3	0.4	100	22.3 223.6	52.3	2.2	97	28.9 215.4	50.7	0.4	100	25.2 227.5	51.8	1.0	99	7.2	3.5	60.0
DAIRYLAND STEALTH-5104	104 P250	23.9 236.9 *	53.6	0.4	100	19.9 214.9	55.5	0.0	100	28.0 199.3	52.3	0.0	100	23.9 217.0	53.8	0.1	100	7.3	3.4	60.6
DEKALB DKC51-45 (RR2)	101 P250	21.2 233.8	56.7	0.0	99	18.5 204.8	56.8	3.1	100	25.3 227.3	53.9	0.4	100	21.7 221.9	55.8	1.2	100	6.7	3.9	60.4
DEKALB DKC52-21 (YGCB)	102 P250	20.7 230.8	55.9	0.0	100	19.0 202.0	56.5	1.1	100	24.9 206.4	53.2	0.7	100	21.5 213.0	55.2	0.6	100	6.4	4.1	61.0
DEKALB DKC52-47 (RR2YGCB)	102 P250	21.0 230.4	55.6	0.0	100	18.3 216.0	55.8	0.7	100	25.0 229.3 *	53.8	0.0	100	21.4 225.2	55.1	0.2	100	6.2	3.8	61.4
DEKALB DKC53-33 (RR2)	103 P250	21.0 233.5	56.3	0.0	100	19.3 206.9	55.5	3.1	100	25.7 219.3	53.5	0.0	100	22.0 219.9	55.1	1.0	100	6.6	4.0	60.1
DEKALB DKC53-34 (RR2YGCB)	103 P250	22.4 235.6	54.9	0.0	100	19.8 216.8	55.0	0.7	100	27.3 215.5	52.3	0.0	100	23.2 222.6	54.1	0.2	100	7.0	4.0	60.3
DEKALB DKC54-51 (YGCB)	104 P250	22.1 250.5 *	56.6	0.4	100	19.5 219.0	56.3	0.7	100	26.0 229.6 *	53.3	0.0	100	22.5 233.0 *	55.4	0.4	100	7.7	4.1	59.4
DYNAGRO 55F16	102 P250	20.7 234.0	55.3	0.4	100	18.5 197.9	55.1	1.1	100	25.8 209.0	52.8	1.4	98	21.7 213.6	54.4	0.9	99	7.1	4.0	59.8
DYNAGRO 55P41	102 P250	22.0 226.2	54.1	0.7	100	19.8 210.4	54.2	2.8	100	26.8 227.9	51.9	0.0	100	22.9 221.5	53.4	1.2	100	6.6	4.1	60.4

2004			INGHAM - Late				KENT - Late				SAGINAW - Late				LATE TRIAL AVERAGE				QUALITY						
Brand / Hybrid	RM	TRT	%H2O Bu/A	Twt	%SL	%Std	%H2O Bu/A	Twt	%SL	%Std	%H2O Bu/A	Twt	%SL	%Std	%H2O Bu/A	Twt	%SL	%Std	Prot	Oil	Strch				
GARST 8590IT	105	P250	24.2	234.3	53.8	0.4	100	20.8	225.0	55.9	5.6	100	28.3	212.3	51.7	0.0	100	24.4	223.8	53.8	2.0	100	6.9	4.0	60.6
	105	P250	24.3	242.7	53.2	0.4	100	22.3	229.3	54.3	0.4	100	28.2	194.2	50.8	0.0	100	24.9	222.0	52.8	0.2	100	7.1	3.8	61.4
	103	P250	23.3	231.3	53.0	1.1	99	21.4	229.4	53.5	0.0	100	29.0	221.0	51.0	0.0	100	24.6	227.2	52.5	0.4	100	6.5	3.4	62.2
	105	P250	24.4	217.9	51.9	0.7	99	21.8	225.0	53.3	0.7	100	29.2	207.9	50.2	0.4	100	25.1	216.9	51.8	0.6	100	6.6	3.7	60.4
GREAT LAKES 5522	107	P250	26.2	245.8	51.1	2.2	84	23.9	217.3	51.9	1.1	100	30.0	203.9	50.0	0.7	100	26.7	222.3	51.0	1.3	95	7.1	3.6	60.6
	104	P250	23.6	239.1	53.9	0.7	99	20.2	230.2	54.0	0.0	100	27.7	213.1	51.3	0.0	100	23.8	227.4	53.1	0.2	100	6.9	3.4	61.1
HIGH CYCLE HC5B739	103	P250	23.8	249.0	54.4	0.4	100	21.2	205.3	54.0	1.1	100	28.3	211.3	52.1	0.0	100	24.4	221.9	53.5	0.5	100	7.7	3.4	60.4
	102	P250	25.2	242.4	52.6	0.0	100	23.4	225.5	52.7	0.7	100	27.9	234.7	51.9	0.4	100	25.5	234.2	52.4	0.4	100	7.6	4.4	60.4
HYLAND SEEDS HL2676	105	P250	23.7	228.4	53.5	0.7	100	20.3	224.5	55.2	0.0	100	27.9	210.3	52.2	0.0	100	24.0	221.0	53.6	0.2	100	6.8	3.4	61.2
	106	C250	22.1	223.6	54.3	0.4	99	22.4	227.5	51.8	2.5	100	26.6	202.2	50.6	0.4	99	23.7	217.8	52.2	1.1	99	8.3	3.4	59.2
PARTNERS BRAND 532	105	C250	23.7	233.7	51.7	0.7	99	20.4	223.5	51.7	1.6	100	27.0	216.9	50.7	0.7	100	23.7	224.7	51.4	1.0	100	7.0	3.3	61.2
	105	P250	25.9	237.0	52.4	0.0	100	23.0	226.3	52.9	1.1	100	28.2	228.3	50.9	0.4	100	25.7	230.5	52.0	0.5	100	6.9	4.3	61.3
TRELAY 7012	101	P250	21.6	229.4	54.9	0.0	99	21.2	240.6	54.1	2.4	100	26.2	241.9	53.3	1.1	100	23.0	237.3	54.1	1.2	100	6.2	3.2	63.5
	104	P250	23.8	238.9	53.7	0.7	100	20.1	222.3	54.5	1.4	100	28.2	214.4	51.7	0.0	100	24.0	225.2	53.3	0.7	100	7.1	3.3	60.9
VIGORO EX644010	Average	250	23.3	234.2	53.7	0.4	99	21.0	219.1	54.0	1.5	100	27.6	214.8	51.7	0.3	99	24.0	222.7	53.1	0.7	99	7.0	3.7	60.7
	105	C1250	27.1	240.7	50.1	0.7	99	24.4	226.8	51.1	0.7	100	30.0	211.7	49.8	0.0	100	27.1	226.4	50.3	0.5	100	7.7	3.8	60.2
GENESIS 2C05YGB	100	C1250	22.6	232.7	55.4	0.0	99	20.0	220.7	55.1	0.0	99	28.6	191.9	51.2	0.4	99	23.7	215.1	53.9	0.1	99	8.5	3.5	59.4
	103	C1250	22.4	238.8	53.7	0.4	100	18.9	215.0	55.1	1.1	100	26.6	208.5	51.3	0.0	100	22.6	220.8	53.3	0.5	100	7.2	4.1	59.8
NINK Brand N50-P5	104	C1250	23.0	248.6	53.8	0.0	100	20.0	209.8	53.8	3.8	100	27.9	236.0	51.6	0.0	98	23.6	231.5	53.0	1.3	99	6.1	3.9	62.2
	106	C1250	24.9	229.8	51.9	0.7	100	22.5	209.9	53.3	1.4	100	28.3	208.3	51.6	0.0	100	25.3	216.0	52.2	0.7	100	7.1	3.8	59.7
PIONEER 35Y55	106	P1250	23.4	250.0	52.1	0.0	100	20.3	219.7	51.6	2.4	100	29.0	220.7	50.7	0.0	100	24.2	230.1	51.5	0.8	100	7.7	3.8	59.5
	104	P1250	23.6	236.0	56.4	1.1	98	20.2	205.6	56.2	0.7	100	26.0	208.7	53.5	0.4	100	23.2	216.8	55.4	0.7	99	7.3	3.5	60.0
PIONEER 36B09	Average	1250	23.8	239.5	53.3	0.4	99	20.9	215.3	53.7	1.4	100	28.0	212.3	51.4	0.1	100	24.3	222.4	52.8	0.7	100	7.4	3.8	60.1
	AVERAGE		23.5	234.7	53.6	0.4	99	21.1	217.7	53.8	1.4	99	27.9	213.1	51.4	0.3	99	24.1	221.8	52.9	0.7	99	7.2	3.8	60.5
HIGHEST			27.1	251.6	56.7	2.2	100	25.3	240.6	56.8	6.3	100	31.1	241.9	53.9	1.4	100	27.1	237.3	55.8	2.2	100	8.5	4.6	63.5
	LOWEST		20.1	213.7	50.0	0.0	84	17.5	186.2	51.0	0.0	83	24.9	182.0	49.3	0.0	83	21.4	204.1	50.2	0.0	89	6.1	3.1	59.0
CV (%)			4.5	5.5	1.9			5.3	5.9	1.5			3.0	5.5	1.2			4.2	5.6	1.6			6.4	5.3	1.2
LSD (.05%)			1.2	15.1	1.2			1.3	15.1	1.0			1.0	13.6	0.7			0.7	8.4	0.6			0.5	0.2	0.8

- 2 Year & 3 Year Averages Continued on page 14.

TABLE 6E. HURON, MONTCALM & SAGINAW COUNTY ROUNDUP READY GRAIN TRIALS - EARLY (95 Day and Earlier) ZONE 2 - 3

2004														
HURON RR - Early					MONTCALM RR - Early					SAGINAW RR - Early				
Brand / Hybrid	RM	TRT	%H2O Bu/A	Twt	%SL	%Std	%H2O Bu/A	Twt	%SL	%Std	%H2O Bu/A	Twt	%SL	%Std
BAYSIDE NorthGro NG4757RR	94		25.6 168.4*	50.0 4.6	100	22.4 209.5*	54.4 2.2	100	21.4 205.7	54.5 1.4	100	23.1 194.5	53.0 2.4	100
BAYSIDE NorthGro NG5072RR	93		27.2 150.4	48.7 1.9	100	23.3 203.2	53.2 1.4	99	23.2 205.2	53.5 1.1	100	24.6 186.3	51.8 1.5	100
RENK RK438RRYGCB	92		25.0 169.8*	52.6 2.0	100	22.5 204.4	56.0 0.6	100	21.4 213.7*	56.2 0.7	97	23.0 196.0*	54.9 1.1	99
RENK RK478RRYGCB	94		23.3 168.0	53.3 0.1	97	21.7 191.2	56.5 1.0	99	20.6 200.9	56.5 0.4	97	21.9 186.7	55.4 0.5	97
RENK RK488RR	95		25.4 170.1*	50.9 4.4	100	22.9 204.7*	54.0 1.0	100	21.8 212.1*	54.4 1.0	100	23.4 195.7*	53.1 2.2	100
Average			25.3 165.4	51.1 2.6	99	22.6 202.6	54.8 1.2	99	21.7 207.5	55.0 0.7	99	23.2 191.8	53.6 1.5	99
BAYSIDE NorthGro NG5518RR	95	P250	26.0 154.6	49.3 3.0	99	25.0 191.4	52.4 1.3	97	24.0 203.1	53.4 1.4	96	25.0 183.0	51.7 1.9	97
DEKALB DKC39-47 (RR2)	89	P250	25.7 159.8	53.2 3.3	100	21.1 195.7	56.3 0.0	100	19.9 211.1*	58.2 0.4	100	22.2 188.9	55.9 1.2	100
DEKALB DKC39-48 (RR2/YGCB)	89	P250	26.2 168.3*	52.4 0.6	100	21.5 187.8	56.0 1.4	100	20.7 195.3	56.7 0.4	99	22.8 183.8	55.0 0.8	100
DEKALB DKC42-95 (RR2/YGCB)	92	P250	25.9 177.5**	50.9 3.5	100	22.7 193.4	54.4 1.4	100	22.2 217.7**	54.6 0.0	96	23.6 196.2*	53.3 1.6	99
DEKALB DKC44-46 (RR2/YGCB)	94	P250	28.0 160.1	49.1 1.9	100	23.3 206.1*	53.6 2.5	100	22.6 206.5	53.8 1.1	100	24.7 190.9	52.1 1.8	100
DEKALB DKC46-28 (RR2)	96	P250	25.1 177.4*	51.4 3.5	100	22.5 214.5**	54.8 2.8	100	23.4 213.2*	54.1 0.7	96	23.7 201.7**	53.5 2.4	99
DYNAGRO 53K34	93	P250	23.4 162.2	52.8 0.0	100	22.3 196.4	55.6 1.4	100	21.7 192.1	55.5 1.4	100	22.5 183.6	54.7 0.8	100
DYNAGRO 53K98	94	P250	26.5 170.3*	50.1 1.2	100	23.7 202.7	53.6 0.8	100	22.1 211.5*	54.4 0.0	100	24.1 194.8	52.7 0.7	100
DYNAGRO 53P30	92	P250	25.8 172.0*	51.9 1.3	100	22.2 208.5*	55.9 0.9	99	21.5 214.9*	56.2 1.1	100	23.1 198.5*	54.7 1.1	100
DYNAGRO 54K11	96	P250	27.3 154.7	49.9 0.0	100	23.5 202.5	53.3 1.5	99	23.9 200.6	55.1 0.0	98	24.9 185.9	52.1 0.4	99
GARST 888TR	95	P250	27.2 165.9	49.4 1.4	100	22.5 213.6*	54.3 0.6	100	21.1 210.2*	55.1 0.7	100	23.6 196.6*	52.9 0.9	100
GREAT LAKES 4262RR	92	P250	23.4 170.6*	53.4 1.0	100	22.0 199.9	56.2 1.7	100	20.3 206.9	57.2 0.7	100	21.9 192.5	55.6 1.1	100
GREAT LAKES 4297BRR	92	P250	24.9 175.0*	52.6 3.7	100	21.6 195.5	56.4 2.6	100	21.0 215.1*	56.4 0.7	100	22.5 196.5*	55.1 2.4	100
GREAT LAKES 4521RR	95	P250	26.0 176.9*	50.6 1.1	100	22.7 202.6	53.8 1.1	100	21.8 210.6*	54.1 1.1	100	23.5 196.7*	52.8 1.1	100
HIGH CYCLE HC7495RR/YGCB	92	P250	23.6 160.7	52.1 6.1	100	22.3 198.8	54.7 1.6	100	20.4 209.7*	55.5 0.7	99	22.1 189.7	54.1 2.8	100
Average	250		25.6 167.1	51.3 2.1	100	22.6 200.9	54.7 1.4	100	21.8 207.9	55.2 0.7	99	23.3 191.9	53.7 1.4	99
AVERAGE			25.6 166.6	51.2 2.2	100	22.6 201.3	54.8 1.4	100	21.7 207.8	55.2 0.7	99	23.3 191.9	53.7 1.4	99
HIGHEST			28.0 177.5	53.4 6.1	100	25.0 214.5	56.5 2.8	100	24.0 217.7	58.2 1.4	100	25.0 201.7	55.9 2.8	100
LOWEST			23.3 150.4	48.7 0.0	97	21.1 187.8	52.4 0.0	97	19.9 192.1	53.1 0.0	96	21.9 183.0	51.7 0.4	97
CV (%)			4.0 4.6 1.5			3.5 4.1 1.0			2.7 4.3 1.1			3.5 4.7 1.2		
LSD (.05%)			1.2 9.2 0.9			0.9 9.8 0.7			0.7 10.7 0.7			0.6 6.1 0.4		

2 Year Averages														
HURON RR - Early					MONTCALM RR - Early					SAGINAW RR - Early				
Brand / Hybrid	RM		%H2O Bu/A	Twt	%SL	%Std	%H2O Bu/A	Twt	%SL	%Std	%H2O Bu/A	Twt	%SL	%Std
BAYSIDE NorthGro NG5072RR	93		24.9 151.2	50.2 1.9	98	25.0 203.7	51.9 1.5	94	21.2 195.6	54.4 1.7	98	23.7 183.5	52.1 1.7	97
DEKALB DKC39-48 (RR2/YGCB)	89		24.5 163.7	52.9 1.1	93	22.7 193.1	54.9 0.7	93	20.5 187.8	57.0 0.8	92	22.6 181.5	54.9 0.9	93
DEKALB DKC42-95 (RR2/YGCB)	92		24.0 171.6*	52.3 2.7	99	23.8 211.6*	52.9 0.7	99	21.9 207.7*	55.0 0.2	97	23.2 197.0	53.4 1.2	98
DEKALB DKC44-46 (RR2/YGCB)	94		25.7 165.0	50.5 1.1	100	25.3 209.4*	51.5 1.7	97	21.6 205.0	54.6 1.4	99	24.2 193.1	52.2 1.4	99
DEKALB DKC46-28 (RR2)	96		24.3 177.6**	52.5 4.7	99	24.3 218.0**	52.9 2.5	95	22.2 212.8**	55.6 1.2	98	23.6 202.8**	53.7 2.8	97
DYNAGRO 53K98	94		24.9 172.8*	50.9 1.6	96	24.4 200.6	52.1 0.6	91	21.6 202.5	55.0 0.4	93	23.6 192.0	52.7 0.8	94
DYNAGRO 53P30	92		24.3 165.4	52.9 2.5	97	23.6 210.0*	54.4 0.4	89	21.0 218.8	56.6 0.8	94	23.0 192.4	54.6 1.2	93
DYNAGRO 54K11	96		26.0 155.8	50.3 1.5	99	25.0 203.9	51.8 1.1	94	22.0 192.2	54.2 0.5	96	24.3 184.0	52.1 1.0	96
GREAT LAKES 4297BRR	92		23.4 169.2	53.1 2.1	93	23.0 199.7	54.6 1.3	92	20.2 198.9	56.7 0.6	93	22.2 189.3	54.8 1.3	93
RENK RK438RRYGCB	92		23.2 174.7*	52.8 1.2	97	23.7 214.3*	54.7 0.5	97	21.5 203.3	56.4 0.5	95	22.8 197.4	54.6 0.7	97
AVERAGE			24.5 166.7	51.8 2.0	97	24.1 206.4	53.2 1.1	94	21.4 200.8	55.5 0.8	95	23.3 191.3	53.5 1.3	96
HIGHEST			26.0 177.6	53.1 4.7	100	25.3 218.0	54.9 2.5	99	22.2 212.8	57.0 1.7	99	24.3 202.8	54.9 2.8	99
LOWEST			23.2 151.2	50.2 1.1	93	22.7 193.1	51.5 0.4	89	20.2 187.8	54.2 0.2	92	22.2 181.5	52.1 0.7	93
CV (%)			4.6 9.8 0.9	3.7 3.9		3.1 10.2 0.6	1.5 5.6		4.2 7.9 0.7	1.9 3.8		4.2 9.7 0.8	2.5 4.6	
LSD (.05%)			0.9 7.5 0.7	2.0 2.2		0.6 9.3 0.5	0.9 3.5		0.7 7.1 0.6	1.1 2.4		0.5 4.8 0.4	0.8 1.6	

- 3 Year Averages Continued on 20

TABLE 6L

HURON, MONTCALM & SAGINAW COUNTY ROUNDUP READY GRAIN TRIALS - LATE (96 Day and Later)

ZONE 2 - 3

2004			HURON RR - Late				MONTCALM RR - Late				SAGINAW RR - Late				LATE RR TRIAL AVERAGE				QUALITY							
Brand / Hybrid	RM	TRT	%H2O Bu/A	Twt	%SL	%Std	%H2O Bu/A	Twt	%SL	%Std	%H2O Bu/A	Twt	%SL	%Std	%H2O Bu/A	Twt	%SL	%Std	Prot	Oil	Strch					
BAYSIDE NorthGro NG5570RR	101		28.0	155.0	49.2	1.1	100	25.0	205.1	51.8	0.1	97	25.5	222.5	53.2	1.1	98	26.1	194.2	51.4	0.7	98	8.3	3.3	59.0	
			26.5	139.0	50.1	1.1	100	22.5	202.7	53.7	0.1	100	23.0	217.9	54.2	1.4	100	24.0	186.5	52.7	0.9	100	8.3	3.4	59.7	
			28.0	154.1	48.8	4.5	100	23.4	202.3	53.4	0.4	95	26.3	234.3 *	51.6	1.1	100	25.9	196.9	51.3	2.0	98	8.1	4.1	59.3	
			Average	27.5	149.4	49.4	2.2	100	23.6	203.4	53.0	0.2	97	24.9	224.9	53.0	1.2	99	25.4	192.6	51.8	1.2	99	8.2	3.6	59.4
RENK RK636RRRYGCB	97	P250	25.2	164.4	51.7	1.4	100	22.3	205.2	55.2	0.7	100	22.6	229.7	56.4	0.7	100	23.3	199.8	54.4	0.9	100	7.5	3.8	58.4	
	98	P250	24.9	175.7**	50.8	1.1	100	21.6	209.8	54.3	3.2	99	22.8	221.0	53.7	0.7	100	23.1	202.2	52.9	1.7	100	7.3	4.2	58.9	
	100	P250	25.7	161.7	50.7	1.1	100	22.9	215.6 *	54.6	0.4	100	24.4	221.4	54.1	0.0	100	24.3	199.6	53.1	0.5	100	7.5	3.8	59.3	
	101	P250	26.0	163.1	50.5	1.1	100	24.0	208.0	40.2	1.3	100	25.0	229.8	53.2	0.0	100	25.0	200.3	48.0	0.8	100	7.4	3.8	58.9	
	102	P250	26.3	171.8 *	49.5	1.1	100	21.7	220.6**	54.5	0.4	99	24.6	241.1 *	53.3	0.0	100	24.2	211.2**	52.4	0.5	100	8.3	4.3	58.3	
	103	P250	28.7	158.9	48.6	3.5	100	25.1	211.2	52.9	1.5	99	25.0	244.6**	53.3	1.4	100	26.3	204.9 *	51.6	2.1	100	7.7	4.0	59.4	
	103	P250	30.9	144.5	48.0	3.2	100	25.5	212.2	52.2	0.8	100	25.9	224.1	52.4	0.0	100	27.4	193.6	50.8	1.3	100	8.0	4.0	58.7	
	102	P250	30.0	156.6	47.9	5.2	100	24.9	204.7	50.6	1.1	100	25.5	226.8	52.3	0.0	100	26.8	196.0	50.3	2.1	100	8.2	4.1	58.0	
	105	P250	30.0	153.8	47.7	2.5	100	26.4	201.4	51.6	1.2	100	26.4	224.7	51.9	0.4	100	27.6	193.3	50.4	1.3	100	7.4	4.1	59.1	
	107	P250	33.3	159.3	47.5	0.4	100	26.8	202.0	50.4	0.5	100	28.5	225.4	50.3	0.0	100	29.5	195.5	49.4	0.3	100	8.3	3.7	58.1	
GREAT LAKES Quad-5BRR	100	P250	28.6	151.2	50.0	1.1	100	24.0	189.2	53.2	2.1	100	25.3	231.0 *	53.0	0.4	100	25.9	190.5	52.1	1.2	100	8.0	3.7	59.2	
	Average	250	28.1	160.1	49.4	1.9	100	24.1	207.3	51.8	1.2	100	25.1	229.0	53.1	0.3	100	25.8	198.8	51.4	1.2	100	7.8	3.9	58.8	
GENESIS 2D97RRRYGCB	97	C1250	27.1	150.7	49.8	1.1	100	22.4	197.3	54.4	0.2	100	23.7	221.0	53.3	0.0	100	24.4	189.7	52.5	0.4	100	8.4	3.4	59.6	
			AVERAGE	27.9	157.3	49.4	1.9	100	23.9	205.8	52.2	0.9	99	25.0	227.7	53.1	0.5	100	25.6	196.9	51.6	1.1	100	7.9	3.8	58.9
			HIGHEST	33.3	175.7	51.7	5.2	100	26.8	220.6	55.2	3.2	100	28.5	244.6	56.4	1.4	100	29.5	211.2	54.4	2.1	100	8.4	4.3	59.7
			LOWEST	24.9	139.0	47.5	0.4	100	21.6	189.2	40.2	0.1	95	22.6	217.9	50.3	0.0	98	23.1	186.5	48.0	0.3	98	7.3	3.3	58.0
CV (%)			3.0	5.0	1.0		3.1	3.2	13.3			2.2	5.3	1.2			3.0	5.1	7.8			4.4	5.9	1.2		
	LSD (.05%)			1.0	9.4	0.6		0.9	7.9	8.3		0.7	14.6	0.8			0.5	6.8	2.7			0.4	0.3	0.8		

2 Year Averages		HURON RR - Late				MONTCALM RR - Late				SAGINAW RR - Late				LATE TRIAL AVERAGE				QUALITY		
Brand / Hybrid	RM	%H2O Bu/A	Twt	%SL	%Std	%H2O Bu/A	Twt	%SL	%Std	%H2O Bu/A	Twt	%SL	%Std	%H2O Bu/A	Twt	%SL	%Std	Prot	Oil	Strch
DEKALB DKC53-33 (RR2)	103	27.2 159.3**	49.3 3.4	99	27.4 209.1*	51.5 0.7	98	24.8 228.8**	53.5 1.1	98	26.5 199.1**	51.4 1.7	99	26.5 199.1**	51.4 1.7	99	7.7	3.8	59.4	
DEKALB DKC53-34 (RR2/YGCB)	103	28.6 154.1*	48.9 2.3	99	28.0 211.7**	50.7 0.5	100	26.0 222.8*	52.7 0.5	99	27.5 196.2*	50.8 1.1	99	27.5 196.2*	50.8 1.1	99	7.8	3.9	58.9	
GARST 8590RR	105	29.5 153.9*	48.3 2.5	94	28.7 198.6	50.2 0.5	99	26.2 216.4	51.5 0.5	97	28.1 189.6	50.0 1.2	97	28.1 189.6	50.0 1.2	97	7.5	3.9	59.2	
AVERAGE		28.4 155.8	48.8 2.7	98	28.0 206.5	50.8 0.6	99	25.7 222.7	52.6 0.7	98	27.4 195.0	50.7 1.3	98	27.4 195.0	50.7 1.3	98	7.6	3.9	59.2	
HIGHEST		29.5 159.3	49.3 3.4	99	28.7 211.7	51.5 0.7	100	26.2 228.8	53.5 1.1	99	28.1 199.1	51.4 1.7	99	28.1 199.1	51.4 1.7	99	7.8	3.9	59.4	
LOWEST		27.2 153.9	48.3 2.3	94	27.4 198.6	50.2 0.5	98	24.8 216.4	51.5 0.5	97	26.5 189.6	50.0 1.1	97	26.5 189.6	50.0 1.1	97	7.5	3.8	58.9	
CV (%)		3.9 8.7	0.6 2.6	2.9	4.7 7.3	5.1 1.4	4.1	4.0 9.7	0.8 1.5	3.3	4.9 9.7	3.1 1.8	3.5	4.9 9.7	3.1 1.8	3.5	4.4 3.6	2.7		
LSD (.05%)		0.9 6.4	0.4 1.4	1.7	1.0 6.7	4.1 0.9	2.6	0.8 9.5	0.7 1.0	2.2	0.6 4.8	1.4 0.6	1.3	0.6 4.8	1.4 0.6	1.3	0.3 0.2	0.5		

- 3 Year Averages Continued on 20

TABLE 6E - Continued from page 18.

HURON, MONTCALM & SAGINAW COUNTY ROUNDUP READY GRAIN TRIALS - EARLY (95 Day and Earlier)

ZONE 2 - 3

3 Year AVERAGES		HURON RR - Early				MONTCALM RR - Early				SAGINAW RR - Early				EARLY TRIAL AVERAGE							
Brand / Hybrid	RM	%H2O Bu/A	Twt	%SL	%Std	%H2O Bu/A	Twt	%SL	%Std	%H2O Bu/A	Twt	%SL	%Std	%H2O Bu/A	Twt	%SL	%Std				
BAYSIDE NorthGro NG5072RR	93	23.0	159.4	51.7	4.2	98	25.4	201.5	51.5	2.7	95	20.0	187.5	55.0	2.1	98	22.8	182.8	52.7	3.0	97
DEKALB DKC44-46 (RR2/YGCB)	94	23.6	179.8**	51.8	3.6	100	26.4	219.8**	51.5	1.3	97	20.3	205.9**	55.0	1.1	98	23.4	201.8**	52.8	2.0	98
DEKALB DKC46-28 (RR2)	96	22.7	177.0 *	53.5	5.1	99	25.3	215.0 *	52.6	4.5	95	21.2	201.0 *	55.9	1.3	97	23.1	197.7 *	54.0	3.6	97
AVERAGE		23.1	172.1	52.4	4.3	99	25.7	212.1	51.9	2.8	96	20.5	198.1	55.3	1.5	98	23.1	194.1	53.2	2.9	98
HIGHEST		23.6	179.8	53.5	5.1	100	26.4	219.8	52.6	4.5	97	21.2	205.9	55.9	2.1	98	23.4	201.8	54.0	3.6	98
LOWEST		22.7	159.4	51.7	3.6	98	25.3	201.5	51.5	1.3	95	20.0	187.5	55.0	1.1	97	22.8	182.8	52.7	2.0	97
CV (%)		4.1	11.0	1.0	4.6	4.0	4.5	10.4	0.6	2.5	5.1	4.1	8.4	0.7	2.2	4.4	4.4	10.1	0.8	3.2	4.6
LSD (.05%)		0.7	7.2	0.5	1.9	1.9	0.7	8.0	0.4	1.2	2.6	0.6	6.3	0.5	1.0	2.2	0.4	4.2	0.3	0.8	1.3

TABLE 6L - Continued from page 19.

HURON, MONTCALM & SAGINAW COUNTY ROUNDUP READY GRAIN TRIALS - LATE (96 Day and Later)

ZONE 2 - 3

3 Year AVERAGES		HURON RR - Late				MONTCALM RR - Late				SAGINAW RR - Late				LATE TRIAL AVERAGE							
Brand / Hybrid	RM	%H2O Bu/A	Twt	%SL	%Std	%H2O Bu/A	Twt	%SL	%Std	%H2O Bu/A	Twt	%SL	%Std	%H2O Bu/A	Twt	%SL	%Std				
DEKALB DKC53-33 (RR2)	103	25.4	173.2 *	51.0	5.7	100	28.3	212.4 *	51.1	1.2	97	23.2	215.4 *	54.1	1.6	97	25.6	200.3 *	52.1	2.8	98
DEKALB DKC53-34 (RR2/YGCB)	103	27.1	176.3**	50.7	1.9	99	29.7	215.8**	50.5	0.6	98	24.2	216.8**	53.6	0.3	98	27.0	203.0**	51.6	0.9	99
GARST 8590RR	105	27.4	171.7 *	50.4	3.5	95	30.3	199.2	50.0	1.6	97	24.6	208.1	52.5	1.2	96	27.4	193.0	51.0	2.1	96
AVERAGE		26.6	173.8	50.7	3.7	98	29.4	209.1	50.5	1.1	97	24.0	213.4	53.4	1.0	97	26.7	198.8	51.5	2.0	97
HIGHEST		27.4	176.3	51.0	5.7	100	30.3	215.8	51.1	1.6	98	24.6	216.8	54.1	1.6	98	27.4	203.0	52.1	2.8	99
LOWEST		25.4	171.7	50.4	1.9	95	28.3	199.2	50.0	0.6	97	23.2	208.1	52.5	0.3	96	25.6	193.0	51.0	0.9	96
CV (%)		4.5	8.1	0.7	3.3	3.5	4.3	8.8	4.2	2.0	4.0	3.9	8.8	0.8	1.8	4.2	4.7	9.2	2.6	2.4	4.0
LSD (.05%)		0.8	5.3	0.4	1.4	1.6	0.8	6.9	2.7	1.0	2.1	0.6	7.3	0.5	0.9	2.3	0.5	4.0	0.9	0.6	1.2

TABLE 3E - Continued from page 23. HURON, MASON & MONTCALM COUNTY GRAIN TRIALS - EARLY (95 Day and Earlier) ZONE 3

2 Year AVERAGES		HURON - Early				MASON - Early				MONTCALM - Early				EARLY TRIAL AVERAGE				QUALITY						
Brand / Hybrid	RM	%H2O Bu/A	Twt	%SL	%Std	%H2O Bu/A	Twt	%SL	%Std	%H2O Bu/A	Twt	%SL	%Std	%H2O Bu/A	Twt	%SL	%Std	Prot	Oil	Stchr				
BAYSIDE 1795	95	24.8	146.4	50.8	3.4	97	28.7	187.2	49.5	1.4	95	24.8	190.1	52.8	2.7	93	26.1	174.6	51.0	2.5	95	8.3	3.4	59.7
BAYSIDE NorthGro NG5072RR	93	23.9	156.9	51.6	2.2	99	27.1	189.4	50.2	1.0	99	23.3	187.0	53.3	2.6	95	24.8	177.8	51.7	1.9	97	8.0	3.6	60.1
BAYSIDE Super 93	93	23.0	152.8	51.5	3.4	99	27.8	188.1	49.1	0.8	98	24.1	192.8	52.5	1.7	93	25.0	177.9	51.0	2.0	97	8.0	3.6	59.9
DEKALB DK440	94	23.6	162.4	51.6	6.4	100	26.3	199.7**	50.2	0.6	100	23.1	192.5	53.7	2.9	98	24.3	184.9	51.8	3.3	100	7.1	4.1	59.0
DEKALB DKC39-48 (RR2/YGCB)	89	25.0	159.6	52.9	2.4	96	24.8	176.7	53.1	2.1	94	22.1	181.1	55.5	2.9	93	24.0	172.4	53.9	2.5	94	7.8	3.7	58.5
DEKALB DKC42-95 (RR2/YGCB)	92	24.3	161.8	52.0	2.7	100	26.4	190.2	50.9	1.0	100	22.7	192.4	54.1	0.8	92	24.5	181.5	52.3	1.5	97	7.6	3.8	58.8
DEKALB DKC44-46 (RR2/YGCB)	94	25.4	168.0 *	51.5	3.1	98	26.6	192.7 *	49.4	1.3	100	23.9	211.8 *	53.0	2.2	99	25.3	190.8**	51.3	2.2	99	7.2	3.9	59.0
DYNAGRO 53F49	92	22.9	170.7**	53.3	3.4	99	26.3	188.4	51.4	0.5	98	22.5	204.9 *	54.9	1.2	95	23.9	188.0 *	53.2	1.7	98	7.0	3.8	59.3
DYNAGRO 53K98	94	24.4	164.2 *	51.8	3.4	95	25.9	190.7	50.3	1.4	96	23.0	195.6	53.6	1.8	93	24.4	183.5	51.9	2.2	95	7.4	4.2	58.3
DYNAGRO 53P30	92	24.3	170.4 *	53.1	2.3	97	25.6	190.9	52.2	1.2	97	22.5	201.3	55.5	0.6	95	24.1	187.5 *	53.6	1.4	96	7.6	4.0	58.4
GARST 8880YG1	95	23.8	168.1 *	51.6	1.7	100	26.0	189.3	49.8	0.6	99	23.2	212.6**	53.0	2.0	99	24.3	190.0 *	51.4	1.5	99	7.5	4.4	58.1
GENESIS 2D93RRYGCB	93	21.6	164.9 *	54.9	0.3	95	25.5	185.7	52.6	1.3	100	22.4	197.5	55.9	1.4	97	23.2	182.7	54.5	1.0	97	8.1	3.2	59.1
GENESIS 3D92YGCB	92	23.7	151.4	51.8	2.1	97	25.3	190.9	51.4	1.7	99	22.9	203.5	54.2	4.0	96	24.0	181.9	52.5	2.6	98	8.5	3.4	58.3
GREAT LAKES 429TBRR	92	23.7	162.5	53.3	3.1	96	25.7	188.7	52.2	1.5	97	22.2	192.6	55.5	1.8	93	23.9	181.3	53.7	2.2	95	7.5	3.9	58.4
HYLAND SEEDS HL2368	90	23.3	158.3	51.8	2.1	100	26.2	192.0	50.3	1.0	99	22.7	196.7	53.8	1.6	98	24.0	182.3	52.0	1.6	99	7.3	4.2	58.4
JUNG 6432YGCB	95	23.7	163.4	51.7	2.3	100	26.2	187.2	49.9	1.3	100	23.2	206.4 *	53.0	1.3	99	24.4	185.7	51.5	1.6	99	7.3	4.2	58.7
MYCOGEN 2K350	93	23.5	150.3	53.5	2.4	99	26.4	181.2	51.2	0.8	100	22.1	194.1	55.1	3.1	98	24.0	175.2	53.3	2.1	99	8.4	4.5	57.3
NK Brand N2555Bt	90	21.8	159.0	55.4	1.8	100	26.5	181.5	53.5	1.3	99	21.9	187.5	56.7	4.1	98	23.4	176.0	55.2	2.4	99	7.7	4.0	58.8
NK Brand N3030Bt	93	22.8	160.8	53.9	4.0	100	26.1	183.8	51.3	1.3	99	22.8	187.0	54.6	3.4	97	23.9	177.2	53.3	2.9	99	8.3	4.0	58.6
NK Brand N35-B8	95	22.9	162.6	53.8	3.2	99	27.4	182.3	48.9	2.1	100	23.7	205.4 *	52.8	4.3	100	24.7	183.5	51.8	3.2	100	7.9	4.3	57.7
PIONEER 38P04	94	23.3	150.2	53.5	3.8	98	26.4	193.1 *	52.1	0.4	98	22.9	183.2	54.6	2.8	87	24.2	175.5	53.4	2.3	94	8.7	3.7	58.2
RENK RK438RRYGCB	92	24.4	162.8	53.0	2.3	96	26.7	186.8	51.9	0.3	96	22.8	198.7	55.7	1.3	96	24.6	182.8	53.5	1.3	96	7.6	3.7	58.8
RENK RK488YGCB	95	24.2	168.0 *	51.6	2.0	99	26.3	193.1 *	50.1	0.5	100	22.8	201.7	53.6	1.9	97	24.5	187.6	51.7	1.4	99	7.6	4.4	58.2
VIGORO V28Y31	88	23.1	147.1	53.8	1.0	99	26.0	180.7	51.6	2.3	100	21.7	182.3	55.3	2.7	92	23.6	170.0	53.6	2.0	97	8.1	4.2	58.0
AVERAGE		23.6	160.1	52.7	2.7	98	26.3	187.9	51.0	1.2	98	22.9	195.8	54.3	2.3	96	24.3	181.3	52.6	2.1	97	7.8	3.9	58.7
HIGHEST		25.4	170.7	55.4	6.4	100	28.7	199.7	53.5	2.3	100	24.8	212.6	56.7	4.3	100	26.1	190.8	55.2	3.3	100	8.7	4.5	60.1
LOWEST		21.6	146.4	50.8	0.3	95	24.8	176.7	48.9	0.3	94	21.7	181.1	52.5	0.6	87	23.2	170.0	51.0	1.0	94	7.0	3.2	57.3
CV (%)		5.2	9.8	1.2	4.3	3.1	3.1	8.6	0.9	2.1	2.7	3.4	8.9	0.7	3.5	5.6	4.1	9.1	1.0	3.4	4.1	4.0	4.2	3.0
LSD (.05%)		1.0	7.1	0.8	2.2	1.7	0.7	7.2	0.6	1.2	1.6	0.6	7.8	0.5	2.1	3.5	0.5	4.3	0.4	1.1	1.4	0.3	0.2	0.6

3 Year AVERAGES			HURON - Early				MASON - Early				MONTCALM - Early				EARLY TRIAL AVERAGE				QUALITY					
Brand / Hybrid	RM	%H2O	Bu/A	Twt	%SL	%Std	%H2O	Bu/A	Twt	%SL	%Std	%H2O	Bu/A	Twt	%SL	%Std	%H2O	Bu/A	Twt	%SL	%Std	Prot	Oil	Strch
BAYSIDE 1795	95	22.8	156.5	52.5	5.5	97	26.8	199.7 *	50.4	1.6	96	24.1	197.2	53.1	4.2	93	24.6	184.5	52.0	3.8	95	8.4	3.6	59.6
BAYSIDE NorthGro NG5072RR	93	22.0	162.6	52.9	4.4	99	25.8	198.8	50.8	1.2	99	22.7	193.5	53.3	4.2	96	23.5	185.0	52.3	3.3	98	8.0	3.7	60.4
BAYSIDE Super 93	93	21.6	157.1	52.9	4.5	99	25.9	200.8 *	50.1	1.4	99	23.3	195.2	52.6	3.3	95	23.6	184.4	51.8	3.1	98	8.1	3.7	60.0
DEKALB DKC44-46 (RR2/YGCB)	94	23.2	177.1 **	52.6	3.2	99	25.6	206.8 **	50.4	1.4	100	23.6	228.7 **	53.2	1.9	97	24.1	204.2 **	52.1	2.2	98	7.4	4.0	59.0
NK Brand N2555Bt	90	21.4	163.5	55.8	1.7	97	25.8	183.3	53.3	2.8	99	22.1	201.0	56.3	3.3	98	23.1	182.6	55.1	2.6	98	8.0	4.0	58.9
NK Brand N3030Bt	93	21.8	165.6	54.5	4.5	100	26.0	192.3	51.4	7.6	98	23.1	204.2	54.4	2.7	97	23.6	187.4	53.5	4.9	98	8.3	4.0	58.7
VIGORO V28Y31	88	22.0	153.7	54.5	2.6	99	25.5	188.2	51.6	2.5	100	21.6	199.3	55.4	1.9	94	23.0	180.4	53.8	2.4	98	8.3	4.2	58.3
AVERAGE		22.1	162.3	53.7	3.8	98	25.9	195.7	51.1	2.7	99	22.9	202.8	54.0	3.1	96	23.6	186.9	53.0	3.2	98	8.1	3.9	59.3
HIGHEST		23.2	177.1	55.8	5.5	100	26.8	206.8	53.3	7.6	100	24.1	228.7	56.3	4.2	98	24.6	204.2	55.1	4.9	98	8.4	4.2	60.4
LOWEST		21.4	153.7	52.5	1.7	97	25.5	183.3	50.1	1.2	96	21.6	193.5	52.6	1.9	93	23.0	180.4	51.8	2.2	95	7.4	3.6	58.3
CV (%)		4.6	10.3	1.1	5.8	3.5	3.3	10.5	0.8	9.9	2.7	3.3	8.9	0.7	3.4	5.2	3.9	9.9	0.9	7.1	4.2	5.1	4.8	3.2
LSD (.05%)		0.7	6.3	0.6	2.3	1.6	0.6	7.5	0.5	4.4	1.3	0.5	6.7	0.4	1.6	2.7	0.4	4.0	0.3	1.8	1.2	0.3	0.2	0.5

** Highest Yielding Hybrid

* Not Significantly Different from Highest Yielding Hybrid

TABLE 3E.

HURON, MASON & MONTCALM COUNTY GRAIN TRIALS - EARLY (95 Day and Earlier)

ZONE 3

2004			HURON - Early				MASON - Early				MONTCALM - Early				EARLY TRIAL AVERAGE				QUALITY						
Brand / Hybrid	RM	TRT	%H2O	Bu/A	Twt	%SL	%Std	%H2O	Bu/A	Twt	%SL	%Std	%H2O	Bu/A	Twt	%SL	%Std	Prot	Oil	Stch					
BAYSIDE 1795	95		26.2	143.3	50.3	1.9	100	29.3	185.1*	49.9	0.3	100	21.5	205.8	55.8	3.3	100	25.7	178.0	52.0	1.8	100	8.7	3.7	59.3
BAYSIDE 2090	90		21.4	150.3	56.3	1.6	99	26.2	174.5	52.8	1.1	99	19.5	196.2	59.1	2.3	100	22.3	173.7	56.1	1.7	99	9.2	3.1	57.9
BAYSIDE 2295	95		25.0	160.5*	50.7	4.3	100	26.3	180.1	50.2	1.3	100	19.7	208.2	56.7	2.3	100	23.7	182.9	52.5	2.6	100	7.6	4.5	58.2
BAYSIDE NorthGro NG4757RR	94		24.6	163.1*	51.2	2.3	100	26.5	188.2*	51.0	1.4	100	20.0	206.4	56.6	3.3	100	23.7	185.9	53.0	2.3	100	7.5	4.3	58.5
BAYSIDE NorthGro NG5072RR	93		26.3	148.9	50.3	1.5	100	28.5	185.3*	49.7	0.6	99	20.7	201.4	56.0	2.0	99	25.1	178.5	52.0	1.4	100	8.1	3.7	60.2
BAYSIDE Super 93	93		24.6	143.9	50.6	3.9	100	29.0	188.1*	48.8	1.0	100	21.5	205.9	54.8	1.3	99	25.0	179.3	51.4	2.1	100	8.6	3.9	59.1
BIO GENE BG940	94		24.7	161.3*	50.4	4.4	100	26.4	185.9*	50.6	2.4	100	19.9	208.8	56.5	2.6	100	23.7	185.3	52.5	3.1	100	7.5	4.4	58.4
GARST 8880YG1	95		25.2	162.9*	50.5	3.4	100	26.0	186.3*	50.4	1.3	100	20.3	216.6*	55.8	3.0	100	23.8	188.6*	52.2	2.5	100	7.8	4.5	57.8
GARST 8922YG1	92		25.1	160.3*	52.0	7.0	100	26.1	186.2*	52.2	0.7	99	20.0	218.5*	57.5	0.3	99	23.7	188.3*	53.9	2.7	100	7.4	4.1	58.5
GOLDEN HARVEST EX27207Bt	95		24.2	163.1*	50.7	6.6	100	26.3	189.3*	50.8	0.9	100	19.8	216.4*	56.9	4.6	100	23.4	189.6*	52.8	4.0	100	7.8	4.5	57.9
GOLDEN HARVEST EX36785RR	90		22.5	163.5*	54.0	1.7	100	26.3	178.6	53.3	1.0	100	20.1	197.4	58.3	1.3	99	23.0	179.8	55.2	1.3	100	8.3	3.3	58.9
GOLDEN HARVEST H-6907RR	95		25.2	161.9*	51.1	3.0	100	26.5	183.0	51.2	1.3	100	19.9	209.0	57.0	2.6	100	23.9	184.7	53.1	2.3	100	7.7	4.3	58.1
LEGACY 37L84	92		24.4	164.3*	50.6	4.2	100	26.5	186.6*	51.0	0.3	100	20.3	216.2*	56.2	4.0	100	23.7	189.0*	52.6	2.8	100	7.6	4.3	58.3
PARTNERS BRAND 441	95		27.2	145.4	49.0	4.9	100	27.6	185.7*	48.9	1.6	100	20.5	210.9	55.8	6.3	99	25.1	180.7	51.3	4.3	100	8.2	4.3	57.8
RENK RK438RRYGCGB	92		25.6	161.7*	52.5	3.1	100	27.2	186.2*	52.5	0.7	97	20.5	200.7	58.1	1.7	97	24.4	182.9	54.4	1.8	98	7.8	3.9	58.4
RENK RK438YGCGB	92		24.5	161.2*	51.7	5.2	100	26.3	184.2*	52.4	1.9	100	19.7	208.2	57.9	4.0	99	23.5	184.6	54.0	3.7	100	7.4	3.9	58.9
RENK RK452LLYGCGB	94		23.6	142.9	53.5	2.5	100	26.7	190.5*	52.2	0.3	100	20.0	195.0	56.8	4.3	100	23.4	176.1	54.2	2.3	100	7.1	3.7	60.1
RENK RK478RRYGCGB	94		22.2	155.6	53.4	0.8	100	26.7	179.3	52.4	1.4	100	19.8	207.4	58.5	0.0	97	22.9	180.8	54.8	0.7	99	8.3	3.3	58.9
RENK RK488RR	95		24.6	163.6*	51.7	3.9	100	26.1	185.7*	50.9	2.3	100	19.8	202.8	56.9	1.6	100	23.5	184.0	53.2	2.6	100	7.6	4.3	58.0
RENK RK488YGCGB	95		25.0	163.1*	50.7	2.9	100	27.3	185.6*	50.2	0.3	99	20.1	212.6*	56.3	1.3	100	24.1	187.1*	52.4	1.5	100	7.5	4.4	58.6
VIGORO V28Y31	88		24.2	137.0	53.3	1.2	100	27.0	161.3	51.5	3.0	100	19.7	194.1	57.7	4.8	97	23.7	164.1	54.1	3.0	99	8.2	4.3	58.1
Average			24.6	156.1	51.6	3.3	100	26.9	183.6	51.1	1.2	100	20.2	206.6	56.9	2.7	99	23.9	182.1	53.2	2.4	100	7.9	4.0	58.6
MYCOGEN 2K350	93	C125	24.4	145.7	52.9	0.5	100	27.8	169.3	51.5	1.0	100	19.5	202.2	57.7	4.3	99	23.9	172.4	54.0	1.9	100	8.2	4.6	57.9
RUPP XR8565	89	C125	22.7	156.7	53.3	0.0	95	26.8	173.7	52.7	1.0	98	19.7	183.1	58.5	0.8	89	23.1	171.1	54.8	0.6	94	8.6	3.4	58.4
Average			23.6	151.2	53.1	0.3	98	27.3	171.5	52.1	1.0	99	19.6	192.6	58.1	2.5	94	23.5	171.8	54.4	1.2	97	8.4	4.0	58.1
BROWN 3020YGCGB	91	C250	25.1	157.1	51.4	3.8	100	24.7	179.6	52.8	2.3	100	19.4	206.5	57.3	5.6	100	23.1	181.1	53.8	3.9	100	7.7	4.3	58.0
BAYSIDE 2295 P250	95	P250	25.0	161.0*	50.6	2.2	98	26.4	186.4*	50.6	1.3	99	20.2	210.3	56.2	5.0	99	23.9	185.9	52.5	2.8	99	8.3	3.8	57.9
DAIRYLAND STEAL TH-5194	94	P250	26.0	167.9*	50.6	5.0	100	25.9	185.4*	52.1	2.3	99	19.2	209.7	58.0	2.4	97	23.7	187.7*	53.5	3.2	99	7.4	3.9	58.9
DEKALB DK440	94	P250	26.0	157.6	50.3	8.9	100	27.0	192.9**	50.6	0.6	100	19.8	203.1	56.6	3.9	100	24.2	184.5	52.5	4.5	100	7.3	4.2	58.5
DEKALB DKC39-47 (RR2)	89	P250	26.6	148.7	53.1	3.3	100	25.2	169.4	54.1	4.6	100	19.3	179.4	58.7	2.0	100	23.7	165.8	55.3	3.3	100	7.7	3.9	58.7
DEKALB DKC39-48 (RR2/YGCGB)	89	P250	26.2	153.6	52.6	1.0	100	25.3	172.0	53.9	2.3	100	19.9	190.1	57.7	3.9	101	23.8	171.9	54.7	2.4	100	7.9	3.9	58.1
DEKALB DKC40-05	90	P250	21.4	131.4	53.5	3.2	100	22.9	157.4	53.0	2.7	100	18.9	198.9	56.9	4.3	100	21.1	162.6	54.5	3.4	100	7.3	4.2	58.9
DEKALB DKC42-95 (RR2/YGCGB)	92	P250	25.3	154.6	51.3	2.9	100	27.1	183.6	51.1	1.7	100	19.7	196.0	56.8	1.0	85	24.0	178.1	53.1	1.9	95	7.6	4.0	59.0
DEKALB DKC44-46 (RR2/YGCGB)	94	P250	27.9	165.1*	50.0	4.7	100	26.0	187.1*	50.2	2.3	100	20.4	223.1**	56.1	3.0	99	24.8	191.8**	52.1	3.3	100	7.1	4.0	58.9
DYNAGRO 51P88	86	P250	22.7	145.2	53.5	2.1	100	27.9	167.7	51.3	0.6	100	18.9	200.2	57.8	2.3	99	23.2	171.0	54.2	1.7	100	8.9	4.1	57.5
DYNAGRO 53F49	92	P250	23.7	167.8	52.4	6.1	100	27.3	176.6	51.3	0.7	100	19.8	213.8*	57.4	2.3	100	23.6	186.1*	53.7	3.0	100	7.2	4.0	58.8
DYNAGRO 53K34	93	P250	22.8	157.8	53.1	1.2	99	25.7	174.1	52.4	1.3	100	20.0	200.2	57.7	2.0	100	22.8	177.4	54.4	1.5	100	8.2	3.3	58.5
DYNAGRO 53K98	94	P250	25.2	155.6	50.8	4.4	100	26.0	177.9	50.7	0.9	100	20.1	214.6*	56.6	1.7	100	23.7	182.7	52.7	2.3	100	7.4	4.2	58.4
DYNAGRO 53P30	92	P250	25.9	164.9*	52.4	3.5	100	26.0	182.2	52.3	1.3	100	20.0	216.5*	57.9	0.3	100	23.9	187.9*	54.2	1.7	100	7.6	4.1	58.6
GREAT LAKES 4262RR	92	P250	22.5	155.3	53.8	2.1	100	25.9	179.1	52.2	0.4	100	19.8	199.2	58.7	2.0	100	22.7	177.8	54.9	1.5	100	8.3	3.1	58.9
GREAT LAKES 4297BIRR	92	P250	25.5	160.0*	52.4	2.2	100	26.1	186.3*	52.8	1.0	100	20.4	204.9	58.0	3.3	100	24.0	183.7	54.4	2.2	100	7.6	4.0	58.3
GREAT LAKES 4521RR	95	P250	24.5	161.4*	51.5	3.4	100	26.6	185.2*	50.9	1.9	100	19.9	208.2	56.6	1.7	99	23.7	184.9	53.0	2.3	100	7.9	4.5	57.6
HIGH CYCLE HC7495RR/YGCGB	92	P250	23.4	165.0*	52.2	2.4	100	26.9	183.7	51.1	1.4	100	20.0	209.0	56.8	1.3	100	23.4	185.9	53.3	1.7	100	7.5	3.4	60.3
HYLAND SEEDS HL2368	90	P250	25.9	157.2	50.2	1.4	100	27.2	183.6	50.4	1.3	100	19.8	202.4	56.9	2.0	99	24.3	181.1	52.5	1.5	100	7.6	4.5	57.7
HYLAND SEEDS HLB282	92	P250	25.2	168.9**	50.8	1.9	96	27.2	186.1*	50.3	1.3	100	20.4	214.0*	56.5	2.4	95	24.2	189.7*	52.5	1.9	97	7.7	4.4	58.2
JUNG 6432YGCGB	95	P250	25.4	156.4	49.9	3.5	100																		

2004

2004			HURON - Early				MASON - Early				MONTCALM - Early				EARLY TRIAL AVERAGE				QUALITY						
Brand / Hybrid	RM	TRT	%H2O	Bu/A	Twt	%SL	%Std	%H2O	Bu/A	Twt	%SL	%Std	%H2O	Bu/A	Twt	%SL	%Std	Prot	Oil	Strch					
GENESIS 2D100CRWYGCB	95	C1250	23.1	141.6	51.0	0.4	100	28.6	179.6	49.9	2.7	100	20.8	210.3	57.0	0.7	100	24.2	177.1	52.6	1.3	100	9.4	3.7	57.9
GENESIS 2D92CRWRR	93	C1250	22.3	159.1	53.3	1.3	100	26.2	172.1	52.8	2.6	100	19.8	202.0	57.9	1.7	100	22.8	177.7	54.6	1.9	100	8.6	3.3	58.5
GENESIS 2D93RRYGCB	93	C1250	22.9	166.6 *	53.6	0.6	100	25.8	179.7	53.4	0.9	100	19.9	205.0	58.4	1.0	99	22.9	183.8	55.1	0.9	100	8.5	3.4	58.7
GENESIS 3CX96YGCB	94	C1250	23.6	140.3	53.6	1.0	99	26.7	169.2	51.3	0.6	98	19.9	206.1	58.1	2.3	100	23.4	171.9	54.3	1.3	99	8.7	3.3	58.4
GENESIS 3D92YGCB	92	C1250	24.9	142.3	50.8	3.1	99	25.4	180.5	52.1	2.0	100	19.3	204.4	57.3	6.3	100	23.2	175.7	53.4	3.8	100	8.7	3.8	57.9
NK Brand N2555Bt	90	C1250	22.9	147.1	54.9	2.8	100	27.6	168.3	54.1	1.7	99	19.8	188.6	59.2	7.2	99	23.4	168.0	56.1	3.9	99	7.3	4.0	59.4
NK Brand N25-J7	90	C1250	20.5	139.9	57.6	2.7	100	24.0	155.6	54.7	1.3	100	19.5	177.8	59.1	3.3	100	21.3	157.7	57.1	2.4	100	7.1	4.0	60.1
NK Brand N3030Bt	93	C1250	22.9	143.4	53.4	6.2	100	26.6	168.7	51.8	2.0	98	20.7	179.4	56.8	5.8	95	23.4	163.8	54.0	4.6	98	8.1	4.1	58.9
NK Brand N35-B8	95	C1250	24.3	157.0	53.1	5.1	100	27.0	176.3	48.9	2.9	100	19.7	209.0	55.9	7.9	100	23.7	180.7	52.6	5.3	100	7.7	4.5	57.7
PIONEER 38P04	94	P1250	23.9	145.5	53.0	2.3	100	27.2	189.1 *	52.3	0.3	100	20.5	192.2	57.1	3.4	97	23.8	175.6	54.1	2.0	99	8.6	3.8	58.6
PIONEER 38W22	92	P1250	23.7	150.9	54.6	1.9	100	27.3	180.8	54.2	1.7	100	19.9	183.0	58.8	15.1	100	23.6	171.6	55.9	6.2	100	8.6	3.5	57.9
Average		1250	23.2	148.5	53.5	2.5	100	26.6	174.5	52.3	1.7	100	20.0	196.1	57.8	5.0	99	23.2	173.1	54.5	3.1	99	8.3	3.8	58.5
AVERAGE			24.4	154.8	52.1	3.0	100	26.6	180.2	51.6	1.4	100	20.0	203.8	57.2	3.2	99	23.6	179.6	53.6	2.5	99	7.9	4.0	58.5
HIGHEST			27.9	169.9	57.6	8.9	100	29.3	192.9	54.7	4.6	100	21.5	223.1	59.2	15.1	101	25.7	191.8	57.1	6.2	100	9.4	4.6	60.3
LOWEST			20.5	131.4	49.0	0.0	95	22.9	155.6	48.8	0.3	97	18.9	177.8	54.8	0.0	85	21.1	157.7	51.3	0.6	94	7.1	3.1	56.9
CV (%)			4.2	5.2	1.5			3.2	4.3	1.5			3.0	4.7	1.0			3.6	4.7	1.3			4.0	6.7	1.2
LSD (.05%)			1.2	9.4	0.9			1.0	9.0	0.9			0.7	11.2	0.6			0.6	5.7	0.5			0.4	0.3	0.8

- 2 Year & 3 Year Continued on page 21.

Soil Pests Continued from page 4.

Therefore, fields planted after sod or pasture may be at higher risk for true white grub damage. Annual grubs have a 1-year life cycle. Japanese beetle and European chafer damage has occurred under many different field conditions and in many crops over the last few years. Like wireworm damage, grub damage is often patchy. For example, chafer damage is often found in sandy parts of the fields. Delayed emergence can also increase grub, especially annual grub, damage.

There is no rescue treatment for grubs in field crops. Corn planted into grub-infested fields may need to be treated with a soil insecticide to protect plants until grubs stop feeding before pupation, or enough root mass is formed to withstand damage. Poncho seed treatment has also worked well under low to moderate grub pressure. There is no threshold for grubs in corn. However, a history of grub damage in an area, plus seeing large numbers of grubs during field preparation, is a good indicator to use a soil insecticide.

Slugs

Slugs are a particular problem in wet areas with high crop residue (no-till and reduced tillage fields), and they can heavily damage young plants. There are no specific treatment guidelines for this pest, but a history of slug damage coupled with the right soil conditions (cool, wet, high residues) are a clue that you may have a problem. Slug baits with the active ingredient metaldehyde (for example, Deadline MP) are registered for corn and soybeans, and they work very well. A low rate [10 lbs per acre] is adequate.

TABLE 3L. HURON, MASON & MONTCALM COUNTY GRAIN TRIALS - LATE (96 Day and Later)

ZONE 3

2004			HURON - Late				MASON - Late				MONTCALM - Late				LATE TRIAL AVERAGE				QUALITY						
Brand / Hybrid	RM	TRT	%H2O	Bu/A	Twt	%SL	%Std	%H2O	Bu/A	Twt	%SL	%Std	%H2O	Bu/A	Twt	%SL	%Std	Prot	Oil	Strch					
BAYSIDE 1700	100		26.2	146.2	50.6	0.9	100	30.9	169.3	49.0	2.6	99	21.7	218.1*	56.7	1.6	100	26.3	177.9	52.1	1.7	99	8.7	3.7	58.9
BAYSIDE Super 105	105		32.5	142.2	48.8	0.7	99	33.1	191.3*	49.3	4.0	99	23.8	169.1	53.6	6.4	94	29.8	167.5	50.6	3.7	97	9.0	3.9	58.2
BIO GENE BG991	99		25.9	142.8	49.9	2.8	100	30.2	184.1	48.4	1.0	100	21.8	198.3	55.4	3.9	100	26.0	175.1	51.2	2.5	100	8.3	3.7	59.6
GARST NE795IT	98		31.4	135.6	47.6	0.5	100	29.7	189.1	49.3	1.0	99	23.6	212.5	53.5	11.0	98	28.2	179.1	50.1	4.2	99	8.7	3.8	58.0
GRIES 2497	97		26.3	147.1	49.8	1.2	99	31.3	178.4	48.0	3.0	97	20.4	212.1	57.2	1.3	98	26.0	179.2	51.7	1.8	98	8.7	3.5	59.5
HIGH CYCLE HC7454Bt	98		25.1	160.5*	50.8	2.4	100	27.2	177.8	50.3	4.9	100	20.4	209.9	56.0	4.6	100	24.3	182.7	52.3	4.0	100	7.3	4.5	58.3
PARTNERS BRAND 511	101		31.5	145.2	48.4	0.7	100	31.1	178.8	49.4	3.0	99	22.1	195.8	54.5	15.8	100	28.2	173.3	50.8	6.5	99	7.9	4.0	59.8
PARTNERS BRAND 525HX1	102		30.9	157.9*	47.0	1.3	100	32.8	193.6*	48.5	3.9	100	23.9	214.6	53.1	7.0	99	29.2	188.7*	49.5	4.1	100	8.2	3.6	59.4
RENK RK556	97		26.9	146.8	49.6	0.5	100	31.7	184.9	48.4	0.7	93	21.8	197.6	55.6	1.9	85	26.8	176.4	51.2	1.0	93	8.7	3.5	59.1
RENK RK556RR	97		26.7	137.4	49.3	0.3	100	31.1	177.7	48.7	0.3	99	22.3	199.9	55.4	3.0	100	26.7	171.7	51.1	1.2	100	8.8	3.3	59.6
RENK RK569YGCB	98		25.5	154.3	51.8	1.1	100	30.1	176.4	50.6	1.0	99	21.8	199.5	56.1	7.7	100	25.8	176.7	52.8	0.9	100	8.4	4.7	57.2
RENK RK632YGCB	99		29.1	141.6	48.2	1.4	100	29.5	196.1*	49.2	0.7	100	22.3	209.2	55.7	7.9	97	26.9	182.3	51.0	3.3	99	7.8	4.2	58.7
RENK RK636RRYGCB	102		30.7	138.6	48.1	1.7	100	30.7	186.3	47.9	2.8	100	22.8	219.8*	53.9	7.6	100	28.1	181.6	50.0	4.0	100	8.1	4.2	58.4
RENK RK636YGCB	102		29.1	146.7	48.6	2.1	100	30.1	177.2	48.2	1.0	100	22.1	215.7*	54.7	5.8	97	27.1	179.9	50.5	3.0	99	8.2	4.1	58.0
VIGORO V43Y31	103		30.9	140.1	49.7	1.8	100	30.5	187.7	49.6	0.0	100	21.3	213.6	56.2	7.6	100	27.6	180.5	51.9	3.1	100	8.5	4.1	58.1
Average			28.6	145.5	49.2	1.3	100	30.7	183.2	49.0	2.0	99	22.1	205.7	55.2	5.7	98	27.1	178.2	51.1	3.0	99	8.4	3.9	58.7
MYCOGEN 2R426	96	C125	26.4	159.0*	49.8	1.2	100	27.4	189.4	50.2	0.4	100	20.0	207.5	56.4	3.0	100	24.6	185.3	52.1	1.5	100	7.4	4.2	58.7
RUPP XR1609	101	C125	29.9	150.3	48.5	1.3	100	32.8	186.8	48.8	0.8	100	25.9	214.7	53.1	1.0	100	29.5	183.9	50.1	1.0	100	7.8	3.5	60.1
RUPP XR8619	102	C125	31.9	145.2	48.3	0.3	100	32.9	181.4	48.8	0.9	100	23.9	214.6	54.9	1.0	101	29.6	180.4	50.7	0.7	100	8.7	3.4	59.0
Average			29.4	151.5	48.8	0.9	100	31.0	185.8	49.3	0.7	100	23.2	212.3	54.8	1.6	100	27.9	183.2	51.0	1.1	100	8.0	3.7	59.2
BROWN 5636	98	C250	28.5	146.0	48.5	1.4	100	32.0	183.6	49.2	1.1	99	22.1	227.8	55.6	3.0	99	27.5	185.8	51.1	1.8	99	8.1	3.4	59.1
DAIRYLAND STEALTH-1503	100	P250	28.1	144.2	48.7	1.8	100	33.5	184.1	48.0	1.7	100	23.0	226.6*	54.7	3.3	100	28.2	185.0	50.5	2.3	100	7.8	3.2	60.0
DAIRYLAND STEALTH-5104	104	P250	31.3	152.8	49.2	0.5	100	31.4	179.1	49.9	0.4	100	23.5	211.2	55.4	2.9	100	28.7	181.0	51.5	1.3	100	8.1	3.5	59.5
DAIRYLAND STEALTH-5497	98	P250	25.9	157.2*	50.0	3.4	100	27.5	183.7	50.0	0.3	100	20.5	200.9	55.5	4.0	99	24.6	180.6	51.9	2.6	100	7.6	4.5	58.1
DEKALB DKC46-28 (RR2)	96	P250	25.3	159.8*	51.2	2.1	100	26.0	191.1*	50.7	2.7	100	20.2	209.9	57.1	5.6	100	23.8	186.9*	53.0	3.5	100	7.1	3.9	59.7
DEKALB DKC47-10 (RR2/YGCB)	97	P250	25.4	159.6*	52.0	2.0	100	26.1	183.1	51.4	3.6	100	20.1	213.3	57.8	5.9	100	23.9	185.3	53.8	3.8	100	7.4	3.9	59.2
DEKALB DKC48-52 (RR2)	98	P250	27.6	153.0	49.8	0.2	99	26.7	178.8	50.1	0.0	99	20.3	210.9	56.1	1.8	93	24.9	180.9	52.0	0.6	97	7.1	3.9	59.6
DEKALB DKC50-18 (YGCB)	100	P250	27.9	154.4	49.8	0.0	100	28.7	191.8*	49.5	0.7	100	23.1	217.6*	55.2	0.4	99	26.6	187.9*	51.5	0.4	100	7.0	3.9	59.9
DEKALB DKC50-20 (RR2/YGCB)	100	P250	27.4	158.3*	50.9	0.3	100	28.5	184.1	50.3	0.3	100	21.6	216.2*	57.1	2.3	100	25.8	186.2	52.8	1.0	100	7.6	3.8	59.1
DEKALB DKC51-45 (RR2)	101	P250	26.2	157.4*	50.6	0.9	100	29.3	177.9	49.9	4.9	100	22.3	207.5	56.1	2.6	100	25.9	180.9	52.2	2.8	100	7.8	3.7	59.0
GREAT LAKES 4623Bt	96	P250	26.1	163.0*	50.0	1.9	100	26.8	188.3	50.9	0.6	100	20.1	205.8	56.2	2.0	100	24.3	185.7	52.4	1.5	100	7.1	4.3	58.7
GREAT LAKES 5088Bt	100	P250	26.1	148.1	50.6	0.0	100	30.9	157.5	48.3	4.2	98	21.9	190.3	56.0	2.6	99	26.3	165.3	51.7	2.2	99	8.3	3.5	58.5
GRIES 4402	102	P250	29.7	152.7	48.4	0.8	99	33.0	178.6	49.4	0.7	94	25.3	210.4	53.2	2.5	89	29.3	180.6	50.3	1.3	94	8.2	3.5	59.7
HIGH CYCLE HC5B578	100	P250	29.9	157.8*	49.0	0.9	100	30.0	189.3	48.8	0.3	99	23.4	204.0	54.4	6.8	97	27.8	183.7	50.7	2.7	99	7.7	4.5	57.8
HIGH CYCLE HC7560YGCB	102	P250	30.0	153.5	47.9	0.1	100	29.2	182.4	49.3	3.4	100	22.4	210.7	55.0	17.4	100	27.2	182.2	50.7	7.0	100	8.3	4.6	57.7
VIGORO EX433003	101	P250	25.7	150.3	50.5	8.7	100	31.6	200.0*	49.1	0.3	99	22.0	213.9	55.5	12.0	96	26.4	188.1*	51.7	7.0	98	7.9	3.5	59.9
Average			27.6	150.5	49.8	1.6	100	29.4	180.8	49.7	1.6	99	22.0	209.0	55.7	4.7	98	26.3	181.8	51.7	2.6	99	7.7	3.8	59.1
GENESIS 2D97RRYGCB	97	C1250	26.4	147.1	49.9	0.0	100	31.1	188.7	48.7	0.6	99	20.6	215.5*	56.4	3.0	100	26.0	183.8	51.7	1.1	100	9.1	3.5	58.5
GENESIS 3C100YGCB	100	C1250	31.1	145.6	47.7	0.4	100	31.2	183.7	49.4	0.0	99	24.9	199.5	53.3	2.6	99	29.0	176.3	50.1	1.0	99	9.2	3.7	57.9
GENESIS 3C96YGCB	96	C1250	23.2	136.7	53.7	0.8	100	26.5	184.8	52.5	0.6	100	20.1	209.0	58.4	2.6	100	23.2	176.8	54.9	1.3	100	9.0	3.2	58.3
NK Brand N36-R6	96	C1250	28.5	148.3	48.3	2.7	100	30.8	191.6*	49.1	0.5	100	21.9	201.1	53.8	5.9	100	27.1	180.4	50.4	3.0	100	9.1	4.1	58.1
NK Brand N45-A6	100	C1250	28.8	144.7	48.4	1.3	100	29.3	188.6	49.0	1.1	97	20.6	227.4*	54.8	3.6	100	26.2	186.9*	50.7	2.0	99	8.0	4.7	56.7
PIONEER 37F16	98	P1250	28.3	146.7	49.9	0.1	100	29.8	185.0	50.3	1.5	98	21.8	199.4											

2 Year Averages		HURON - Late				MASON - Late				MONTCALM - Late				LATE TRIAL AVERAGE				QUALITY		
Brand / Hybrid	RM	%H2O Bu/A	Twt	%SL	%Std	%H2O Bu/A	Twt	%SL	%Std	%H2O Bu/A	Twt	%SL	%Std	%H2O Bu/A	Twt	%SL	%Std	Prot	Oil	Strch
BAYSIDE 1700	100	25.8 148.2	50.7 1.4	100	96	29.3 172.8	49.5 1.5	96	96	26.0 171.3	52.6 1.0	93	93	27.0 170.9	50.9 1.3	96	96	8.7	3.5	58.5
BAYSIDE Super 105	105	30.9 144.8	48.2 1.2	94	32.9 196.5*	48.7 2.0	95	29.4 171.3	50.2 4.0	85	31.0 170.8	49.1 2.4	91	29.4 171.3	50.2 4.0	85	31.0 170.8	49.1 2.4	91	8.8 3.6 58.2
BROWN 5636	98	30.8 132.5	48.5 2.4	87	30.7 180.7	48.9 0.7	93	26.9 179.2	51.3 1.5	82	29.4 164.1	49.6 1.5	87	29.4 164.1	49.6 1.5	87	29.4 164.1	49.6 1.5	87	8.6 3.1 58.6
DAIRYLAND STEALTH-1503	100	27.8 148.9	49.0 2.6	99	30.9 197.4*	48.4 1.4	99	27.2 200.9	51.3 2.4	93	28.7 182.4	49.6 2.1	97	28.7 182.4	49.6 2.1	97	28.7 182.4	49.6 2.1	97	8.0 3.1 59.6
DAIRYLAND STEALTH-5104	104	30.9 152.4	49.1 0.3	100	29.3 196.0*	49.8 0.9	100	29.0 189.6	52.1 1.5	95	29.7 179.3	50.3 0.9	98	29.7 179.3	50.3 0.9	98	29.7 179.3	50.3 0.9	98	8.0 3.2 59.4
DAIRYLAND STEALTH-5497	98	24.5 166.7**	51.0 1.7	99	26.1 192.1	50.2 0.5	97	23.6 195.0	52.5 2.4	94	24.7 184.6	51.2 1.5	97	24.7 184.6	51.2 1.5	97	24.7 184.6	51.2 1.5	97	7.3 4.3 58.4
DEKALB DKC50-18 (YGCB)	100	26.2 157.8	50.6 0.6	99	27.9 195.5*	49.7 0.4	100	26.0 212.0**	52.0 0.7	99	26.7 188.4*	50.8 0.5	99	26.7 188.4*	50.8 0.5	99	26.7 188.4*	50.8 0.5	99	6.9 3.7 60.0
GENESIS 3C100YGCB	100	30.6 155.0	48.5 0.4	99	30.5 185.7	49.1 0.2	100	28.6 191.8	50.6 1.5	97	29.9 177.5	49.4 0.7	99	29.9 177.5	49.4 0.7	99	29.9 177.5	49.4 0.7	99	8.9 3.4 58.0
HIGH CYCLE HC7560YGCB	102	27.5 160.4*	48.5 1.3	99	29.5 196.3*	48.5 2.0	99	26.4 209.1*	51.1 8.9	98	27.8 188.6*	49.4 4.1	99	27.8 188.6*	49.4 4.1	99	27.8 188.6*	49.4 4.1	99	8.0 4.4 58.1
NK Brand N45-A6	100	25.1 154.6	50.3 1.0	100	28.3 201.6*	48.8 0.9	98	24.8 211.5*	51.7 2.4	95	26.1 189.3**	50.3 1.4	98	26.1 189.3**	50.3 1.4	98	26.1 189.3**	50.3 1.4	98	7.8 4.6 57.1
PIONEER 37F16	98	26.8 158.4	50.7 0.8	99	28.2 197.2*	50.4 1.1	99	24.8 200.5	52.8 2.3	95	26.6 185.4*	51.3 1.4	98	26.6 185.4*	51.3 1.4	98	26.6 185.4*	51.3 1.4	98	8.2 3.9 57.3
PIONEER 38H67	98	25.3 163.6*	51.0 3.1	99	27.8 202.1**	49.7 2.2	98	23.8 196.6	52.5 2.6	94	25.6 187.5*	51.0 2.6	97	25.6 187.5*	51.0 2.6	97	25.6 187.5*	51.0 2.6	97	7.6 3.5 59.2
RENK RK569YGCB	98	24.7 158.8	51.5 0.7	100	28.1 192.5	51.0 0.7	100	24.3 195.2	53.2 0.5	95	25.7 182.2	51.9 0.6	98	25.7 182.2	51.9 0.6	98	25.7 182.2	51.9 0.6	98	8.5 4.5 57.2
RENK RK636YGCB	102	27.9 157.4	49.1 1.2	100	29.4 185.7	48.2 0.7	100	27.1 198.0	50.9 3.2	96	28.1 180.4	49.4 1.7	99	28.1 180.4	49.4 1.7	99	28.1 180.4	49.4 1.7	99	8.2 3.7 58.1
RUPP XR1609	101	30.0 146.1	48.8 2.1	100	32.1 195.5*	48.9 0.4	98	29.8 195.8	50.5 1.2	94	30.6 179.1	49.4 1.2	98	30.6 179.1	49.4 1.2	98	30.6 179.1	49.4 1.2	98	7.6 3.4 60.3
RUPP XR8619	102	29.4 152.8	48.7 0.7	99	32.2 179.5	48.2 0.6	99	28.5 194.8	51.3 0.5	97	30.1 175.7	49.4 0.6	99	30.1 175.7	49.4 0.6	99	30.1 175.7	49.4 0.6	99	8.6 3.3 58.7
VIGORO V43Y31	103	28.1 143.5	50.2 1.4	100	29.1 195.4*	49.4 0.5	98	25.9 197.9	52.4 4.0	99	27.7 179.0	50.7 2.0	99	27.7 179.0	50.7 2.0	99	27.7 179.0	50.7 2.0	99	8.5 3.9 58.1
AVERAGE		27.8 153.1	49.7 1.3	98	29.5 191.9	49.3 1.0	98	26.6 195.9	51.7 2.4	94	28.0 180.3	50.2 1.6	97	28.0 180.3	50.2 1.6	97	28.0 180.3	50.2 1.6	97	8.1 3.7 58.5
HIGHEST		30.9 166.7	51.5 3.1	100	32.9 202.1	51.0 2.2	100	29.8 212.0	53.2 8.9	99	31.0 189.3	51.9 4.1	99	31.0 189.3	51.9 4.1	99	31.0 189.3	51.9 4.1	99	8.9 4.6 60.3
LOWEST		24.5 132.5	48.2 0.3	87	26.1 172.8	48.2 0.2	93	23.6 171.3	50.2 0.5	82	24.7 164.1	49.1 0.5	87	24.7 164.1	49.1 0.5	87	24.7 164.1	49.1 0.5	87	6.9 3.1 57.1
CV (%)		4.9 9.5	0.9 2.7	2.6	4.5 9.1	0.7 2.7	4.0	4.3 9.1	1.1 3.8	4.6	4.7 9.6	0.9 3.2	3.9	4.7 9.6	0.9 3.2	3.9	4.7 9.6	0.9 3.2	3.9	3.3 3.0
LSD (.05%)		1.1 6.8	0.6 1.3	1.4	1.1 7.8	0.6 1.6	2.5	0.9 8.1	0.9 2.3	2.9	0.6 4.5	0.4 1.0	1.4	0.6 4.5	0.4 1.0	1.4	0.6 4.5	0.4 1.0	1.4	0.3 0.2 0.6

3 Year Averages		HURON - Late				MASON - Late				MONTCALM - Late				LATE TRIAL AVERAGE				QUALITY		
Brand / Hybrid	RM	%H2O Bu/A	Twt	%SL	%Std	%H2O Bu/A	Twt	%SL	%Std	%H2O Bu/A	Twt	%SL	%Std	%H2O Bu/A	Twt	%SL	%Std	Prot	Oil	Strch
BAYSIDE Super 105	105	28.1 160.2	49.9 2.9	96	31.9 204.6	49.4 14.3	96	28.9 190.4	50.5 3.9	90	29.6 185.1	49.9 7.0	94	29.6 185.1	49.9 7.0	94	29.6 185.1	49.9 7.0	94	8.9 3.8 58.7
DAIRYLAND STEALTH-1503	100	25.5 160.3	51.0 3.8	100	30.3 207.0	49.3 1.8	99	26.2 210.2	51.7 3.3	95	27.4 192.5	50.7 3.0	98	27.4 192.5	50.7 3.0	98	27.4 192.5	50.7 3.0	98	8.3 3.5 59.7
GENESIS 3C100YGCB	100	27.8 168.8*	51.0 1.0	100	29.7 202.7	49.9 1.2	100	28.0 210.3	51.3 1.1	98	28.5 193.9	50.7 1.1	99	28.5 193.9	50.7 1.1	99	28.5 193.9	50.7 1.1	99	8.7 3.8 58.7
HIGH CYCLE HC7560YGCB	102	26.1 174.1**	49.9 2.0	100	29.6 215.1*	49.2 2.4	100	26.8 223.2**	51.1 6.0	97	27.5 204.1**	50.1 3.5	99	27.5 204.1**	50.1 3.5	99	27.5 204.1**	50.1 3.5	99	8.0 4.1 59.2
RENK RK569YGCB	98	24.3 167.5	51.8 2.8	100	28.7 217.4**	50.9 0.7	100	25.1 213.6	52.5 0.8	97	26.0 199.5	51.7 1.4	99	26.0 199.5	51.7 1.4	99	26.0 199.5	51.7 1.4	99	8.6 4.3 58.3
RUPP XR1609	101	27.4 157.9	50.7 2.9	100	31.1 201.0	49.8 2.6	99	29.0 200.1	50.9 2.7	94	29.2 186.3	50.4 2.7	98	29.2 186.3	50.4 2.7	98	29.2 186.3	50.4 2.7	98	7.9 3.6 60.3
VIGORO V43Y31	103	25.9 158.4	52.3 2.1	100	29.5 212.9*	50.2 0.3	99	26.6 212.7	52.4 3.0	99	27.3 194.7	51.6 1.8	99	27.3 194.7	51.6 1.8	99	27.3 194.7	51.6 1.8	99	8.5 4.0 58.9
AVERAGE		26.5 163.9	50.9 2.5	99	30.1 208.7	49.8 3.3	99	27.2 208.6	51.5 3.0	96	27.9 193.7	50.7 2.9	98	27.9 193.7	50.7 2.9	98	27.9 193.7	50.7 2.9	98	8.4 3.9 59.1
HIGHEST		28.1 174.1	52.3 3.8	100	31.9 217.4	50.9 14.3	100	29.0 223.2	52.5 6.0	99	29.6 204.1	51.7 7.0	99	29.6 204.1	51.7 7.0	99	29.6 204.1	51.7 7.0	99	8.9 4.3 60.3
LOWEST		24.3 157.9	49.9 1.0	96	28.7 201.0	49.2 0.3	96	25.1 190.4	50.5 0.8	90	26.0 185.1	49.9 1.1	94	26.0 185.1	49.9 1.1	94	26.0 185.1	49.9 1.1	94	7.9 3.5 58.3
CV (%)		4.5 10.5	0.9 3.7	4.7	4.3 9.6	0.7 6.0	4.1	4.4 9.1	1.0 3.8	4.5	4.5 10.0	0.9 3.6	4.5	4.5 10.0	0.9 3.6	4.5	4.5 10.0	0.9 3.6	4.5	5.9 4.9 3.8
LSD (.05%)		0.8 6.5	0.5 1.5	2.1	0.9 7.3	0.4 2.8	2.1	0.7 7.1	0.6 1.8	2.3	0.5 4.1	0.3 0.9	1.3	0.5 4.1	0.3 0.9	1.3	0.5 4.1	0.3 0.9	1.3	0.3 0.2 0.6

** Highest Yielding Hybrid

* Not Significantly Different from Highest Yielding Hybrid

TABLE 4. ALPENA, DELTA (LATE) & GRAND TRAVERSE COUNTY GRAIN TRIALS (96 Day and Earlier)

ZONE 4

2004			ALPENA						GRAND TRAVERSE						Silage DELTA - LATE Grain						TRIAL AVERAGE				QUALITY		
Brand / Hybrid	RM	TRT	%H2O Bu/A	Twt	%SL	%Std	%H2O Bu/A	Twt	%SL	%Std	%DM	GT/A	DT/A	%Std	%EM Bu/A	Twt	%H2O Bu/A	Twt	%SL	%Std	Prot	Oil	Strch				
BAYSIDE 2090	90		36.7	113.5	46.7	0.4	100	25.1	110.5	54.9	1.4	100	39.1	11.3	4.4	97	30.9	112.0	50.8	0.9	100	9.6	3.4	57.4			
BAYSIDE NorthGro NG1541RR	81		32.8	134.7	48.7	0.4	100	25.3	112.3	53.9	3.3	100	39.6	10.8	4.3	98	49.6	73.5*	46.5	1.8	100	9.9	3.5	57.3			
BAYSIDE Super 75	75		33.4	126.3	51.0	0.4	100	25.9	111.0	54.9	4.4	100	43.6	7.0	3.1	98	43.6	59.6	51.2	2.9	100	9.8	4.0	57.9			
BAYSIDE Super 80	80		33.6	126.2	47.4	0.4	100	25.2	118.8	52.2	10.2	100	39.6	9.7	3.9	100	52.1	59.8	44.5	29.4	122.5	49.8	5.3	100			
BAYSIDE Super 82	82		35.5	131.9	49.2	0.4	100	25.1	121.6	53.3	1.2	100	41.4	8.0	3.3	94	30.3	126.8	51.2	0.8	100	9.3	4.2	57.7			
BAYSIDE Super 86	86		33.9	119.0	47.1	0.0	100	26.5	114.9	52.3	0.8	100	40.6	11.0	4.5	100	49.0	71.5	44.7	0.4	100	10.1	4.0	56.4			
GARST 8905RR	87		35.1	131.9	49.1	0.0	100	27.6	106.4	51.9	1.7	100	38.6	10.6	4.2	100	52.8	68.5	45.3	31.3	119.2	50.5	0.9	100			
GOLDEN HARVEST EX27207Bt	95		40.7	129.2	47.0	0.4	100	29.1	126.7*	49.7	1.1	100	31.5	14.3	4.5	99	34.9	128.0	48.3	0.7	100	9.1	4.5	56.4			
GOLDEN HARVEST EX36785RR	90		33.6	136.8	46.6	0.7	100	25.2	123.4	53.4	3.8	100	36.4	12.0	4.3	97	29.4	130.1	50.0	2.2	100	9.1	3.2	58.4			
GOLDEN HARVEST H-6907RR	95		38.3	131.5	46.9	1.1	100	28.3	124.2	49.4	3.4	100	33.8	13.9	4.6*	100	33.3	127.9	48.1	2.2	100	9.7	4.5	55.8			
PARTNERS BRAND 424	90		35.2	126.4	47.3	0.0	100	28.1	109.4	49.1	7.9	100	36.0	10.8	3.9	99	54.1	59.3	43.5	31.6	117.9	48.2	4.0	100			
VIGORO V28Y31	88		37.1	125.9	47.6	1.1	99	29.3	108.7	51.0	3.3	98	36.2	10.9	4.0	90	33.2	117.3	49.3	2.2	99	10.5	4.8	55.2			
Average			35.5	127.8	47.9	0.4	100	26.7	115.7	52.2	3.5	100	38.0	10.9	4.0	98	50.2	63.7	46.0	31.1	121.7	50.0	2.0	100			
RUPP XR8565	89	C125	34.6	133.1	46.8	0.4	97	25.3	119.2	53.0	2.9	93	34.4	11.1	3.8	84	29.9	126.2	49.9	1.6	95	9.5	3.5	57.7			
DAIRYLAND STEALTH-1690	90	P250	40.1	118.1	46.6	1.8	100	27.3	120.8	51.0	5.1	100	38.8	10.8	4.2	100	33.7	119.4	48.8	3.4	100	9.9	4.3	56.5			
DAIRYLAND STEALTH-5194	94	P250	38.9	139.2	47.1	0.4	100	29.8	123.9	50.0	0.6	97	35.3	12.3	4.4	94	34.3	131.5	48.5	0.5	99	9.6	4.6	56.1			
DAIRYLAND STEALTH-7191	91	P250	34.1	145.9*	46.8	0.0	100	26.4	124.6	50.7	7.9	100	36.9	13.0	4.7*	96	30.2	135.2*	48.7	4.0	100	9.1	3.4	58.0			
DEKALB DKC35-01 (RR2)	85	P250	30.7	147.2*	49.2	4.9	99	26.4	115.5	52.0	8.6	100	41.4	10.1	4.2	100	42.2	84.6**	49.6	6.7	100	10.4	4.9	54.6			
DEKALB DKC35-02 (RR2/YGCB)	85	P250	31.2	147.0*	49.6	0.4	100	26.0	109.4	52.3	4.1	100	39.2	9.7	3.8	100	28.6	128.2	51.0	2.2	100	10.9	5.0	53.6			
DEKALB DKC37-14 (RR2)	87	P250	32.5	143.7*	49.3	0.4	100	27.7	114.9	52.2	2.7	100	39.4	9.5	3.7	100	30.1	129.3	50.8	1.5	100	10.1	4.6	55.7			
DEKALB DKC39-47 (RR2)	89	P250	34.9	142.0	47.3	2.1	100	28.7	123.9	51.8	5.8	100	36.4	12.8	4.7*	100	31.8	133.0*	49.5	4.0	100	8.9	4.2	57.2			
DEKALB DKC39-48 (RR2/YGCB)	89	P250	37.2	132.5	47.5	0.7	100	28.6	126.6*	50.6	4.1	100	34.7	13.4	4.7*	100	32.9	129.6	49.0	2.4	100	9.5	4.5	56.6			
DEKALB DKC40-05	89	P250	33.4	134.8	47.4	1.4	100	28.0	104.8	50.9	7.5	100	37.0	11.3	4.2	100	55.5	66.2	41.9	4.4	100	9.3	4.1	56.9			
DYNAGRO 51K74	83	P250	31.4	138.4	47.8	1.4	100	24.8	133.1**	53.4	3.6	100	41.3	10.7	4.4	99	46.2	76.1*	47.5	2.5	100	9.2	4.6	57.2			
DYNAGRO 51P88	86	P250	32.6	145.3*	47.7	1.8	100	26.9	119.9	51.5	9.4	100	38.0	10.4	4.0	92	51.1	74.5*	45.2	5.6	100	10.8	4.4	55.3			
GENESIS 2E84RR	84	P250	33.2	135.3	47.4	0.4	100	27.5	122.4	51.6	9.9	99	39.5	10.3	4.1	96	30.4	128.9	49.5	5.1	100	10.7	4.3	55.4			
HIGH CYCLE HC7242YGCB	88	P250	39.4	144.2*	47.2	0.7	99	28.0	131.3*	50.3	7.0	100	35.1	13.7	4.8*	100	33.7	137.8**	48.8	3.8	100	9.3	4.2	57.1			
TRELAY 1009	80	P250	31.6	134.6	47.1	3.1	100	24.5	125.1*	52.9	4.8	100	38.3	10.1	3.9	95	28.0	129.9	50.0	4.0	100	9.3	4.8	56.8			
Average			34.4	139.1	47.7	1.4	100	27.2	121.1	51.5	5.8	100	38.0	11.3	4.1	98	48.2	69.1	44.4	3.6	100	9.8	4.4	56.2			
GENESIS 2C84RR	84	C1250	32.2	132.6	49.2	1.4	100	25.2	110.3	54.5	3.3	100	40.1	10.4	4.2	95	47.5	73.5*	48.1	2.4	100	9.6	3.7	57.2			
GENESIS 2D91RR	91	C1250	34.7	132.0	46.7	0.4	99	26.0	120.2	53.3	1.5	95	36.8	11.8	4.3	92	57.1	65.3	42.1	0.9	97	9.5	3.3	58.1			
NK Brand N12-G3	77	C1250	28.5	104.2	49.9	2.1	100	23.6	93.9	56.4	1.5	92	48.0	6.7	3.2	85	35.8	74.6*	53.6	1.8	96	9.6	4.0	57.9			
NK Brand N18-F2	84	C1250	31.7	135.0	50.7	2.1	100	25.9	112.6	55.9	4.9	100	45.8	8.0	3.6	97	42.9	77.1*	52.1	3.5	100	9.5	3.8	58.7			
NK Brand N21-V6	85	C1250	32.3	128.1	48.0	1.1	99	24.7	116.4	52.6	9.5	97	42.4	8.1	3.4	91	44.3	67.5	48.6	5.3	98	9.3	3.7	57.3			
PIONEER 37A91	96	P1250	37.9	134.5	47.7	0.0	100	29.3	118.1	49.0	1.3	100	37.7	13.6	5.1**	99	33.6	126.3	48.3	0.6	100	11.0	4.2	54.9			
PIONEER 38P04	94	P1250	36.0	148.7*	48.2	0.4	100	28.2	116.9	50.3	8.5	100	38.0	12.7	4.8*	96	32.1	132.8*	49.2	4.4	100	10.6	4.1	55.9			
PIONEER 38W22	92	P1250	34.5	142.7	49.7	1.8	100	26.3	117.6	52.9	7.5	100	38.3	10.2	3.8	99	48.8	76.6*	49.7	4.6	100	10.0	3.9	56.4			
PIONEER 39F28	89	P1250	31.6	150.3**	49.2	0.4	100	28.5	121.5	52.2	3.1	100	37.8	11.2	4.3	97	30.0	135.9*	50.7	1.7	100	9.8	4.4	55.8			
Average			33.3	134.2	48.8	1.1	100	26.4	114.2	53.0	4.6	98	40.9	10.2	3.8	94.2	46.1	66.4	49.0	2.8	99	9.9	3.9	56.9			
AVERAGE			34.5	134.0	48.0	0.9	100	26.8	117.5	52.1	4.6	99	38.5	10.9	4.1	97	47.9	70.6	46.6	2.8	99	9.8	4.2	56.6			
HIGHEST			40.7	150.3	51.0	4.9	100	29.8	133.1	56.4	10.2	100	48.0	14.3	5.1	100	57.1	84.6	53.6	6.7	100	11.0	5.0	58.7			
LOWEST			28.5	104.2	46.6	0.0	97	23.6	93.9	49.0	0.6	92	31.5	6.7	3.1	84	35.8	59.3	37.6	1.1	99	8.9	3.2	53.6			
CV (%)			3.1	4.5	0.9			3.0	6.1	1.3			5.0	9.0	9.0	3	9.7	13.5	13.1	1.1		3.8	5.8	1.2			
LSD (.05%)			1.3	7.1	0.5			0.9	8.4	0.8			2.7	1.4	0.5	8	0.1	11.3	7.2	0.8		0.4	0.3	0.8			

2 Year Averages																						
Brand / Hybrid	RM	ALPENA					GRAND TRAVERSE					DELTA - Late		TRIAL AVERAGE				QUALITY				
		%H2O	Bu/A	Twt	%SL	%Std	%H2O	Bu/A	Twt	%SL	%Std	Bu/A	%H2O	Bu/A	Twt	%SL	%Std	Prot	Oil	Strch		
BAYSIDE 2090	90	33.3	132.6	48.7	6.1	92	25.6	141.4	53.8	0.9	95				28.2	132.3	51.6	3.2	96	9.4	3.6	57.7
BAYSIDE Super 75	75	31.7	135.4	53.3	4.7	94	25.8	130.7	54.6	2.4	96	102.9 *			27.5	132.8	54.2	3.4	97	9.4	4.3	58.1
BAYSIDE Super 80	80	30.4	138.2	49.3	0.9	95	24.9	146.4	52.4	5.9	99	89.9			26.5	135.3	51.5	4.0	98	8.7	4.7	57.3
BAYSIDE Super 82	82	33.1	129.1	49.5	5.2	88	26.2	137.2	52.0	0.8	92				28.1	131.0	51.5	3.1	93	9.0	4.0	58.0
BAYSIDE Super 86	86	31.6	138.7	49.0	6.3	95	26.0	143.5	52.4	0.8	96	96.0			27.6	133.6	51.2	3.4	97	9.5	3.8	57.3
DEKALB DKC35-01 (RR2)	85	29.1	145.6	50.9	3.7	96	25.2	140.2	53.2	4.7	98	108.3**			26.2	139.1	52.5	4.6	98	9.8	5.0	55.4
DYNAGRO 51P88	86	30.5	156.0 *	49.3	5.3	97	26.0	151.0	52.0	4.9	96	99.9			27.1	145.3	51.3	4.9	97	9.8	4.4	56.7
GENESIS 2C84RR	84	30.3	142.8	50.6	0.8	95	25.6	134.2	54.1	2.4	90	100.6 *			26.7	133.8	52.8	2.2	94	9.5	3.8	57.5
GENESIS 2D91RR	91	31.8	146.8	48.6	4.0	94	26.9	152.6	52.2	1.1	95	102.7 *			27.8	144.2	51.3	2.4	96	8.8	3.5	58.6
HIGH CYCLE HC7242YGCB	88	36.2	160.1**	48.2	4.2	93	28.6	159.5**	50.4	3.5	95				30.4	150.7**	50.0	3.7	96	8.6	4.2	57.8
PIONEER 38P04	94	34.3	158.9 *	49.3	5.1	91	28.7	148.1	50.4	4.5	93				29.8	148.1 *	50.5	5.6	94	9.8	4.1	56.8
AVERAGE		32.0	144.0	49.7	4.2	94	26.3	144.1	52.5	2.9	95	100.0			27.8	138.8	51.7	3.7	96	9.3	4.1	57.4
HIGHEST		36.2	160.1	53.3	6.3	97	28.7	159.5	54.6	5.9	99	108.3			30.4	150.7	54.2	5.6	98	9.8	5.0	58.6
LOWEST		29.1	129.1	48.2	0.8	88	24.9	130.7	50.4	0.8	90	89.9			26.2	131.0	50.0	2.2	93	8.6	3.5	55.4
CV (%)		3.5	9.4	1.3	11.2	6.2	2.5	9.5	0.8	5.4	6.1	10.5			3.6	11.6	1.3	10.1	5.8	4.1	3.5	3.0
LSD (.05%)		1.0	6.6	0.8	5.3	3.3	0.6	6.0	0.5	2.4	3.1	9.0			0.6	4.9	0.5	3.0	1.9	0.3	0.2	0.6

3 Year Averages				ALPENA								GRAND TRAVERSE				TRIAL AVERAGE				QUALITY			
Brand / Hybrid	RM	%H2O	Bu/A	Twt	%SL	%Std	%H2O	Bu/A	Twt	%SL	%Std	Bu/A	%H2O	Bu/A	Twt	%SL	%Std	Prot	Oil	Strch			
BAYSIDE Super 75	75	30.2	144.2	53.2	3.8	96	24.1	135.8	55.3	1.8	98	122.1**	27.1	140.6	54.0	2.7	98	8.9	4.0	59.4			
BAYSIDE Super 86	86	30.8	149.7**	49.6	5.6	96	24.3	150.6**	53.8	0.9	95	117.0 *	27.4	144.1 *	51.5	3.1	97	9.1	3.7	58.3			
BAYSIDE 2090	90	31.7	148.1 *	49.5	5.6	94	24.4	146.6 *	54.9	1.2	97		27.8	144.6**	52.0	2.9	97	9.2	3.6	58.3			
AVERAGE		30.9	147.3	50.8	5.0	96	24.3	144.3	54.7	1.3	97	119.6	27.4	143.1	52.5	2.9	97	9.1	3.8	58.6			
HIGHEST		31.7	149.7	53.2	5.6	96	24.4	150.6	55.3	1.8	98	122.1	27.8	144.6	54.0	3.1	98	9.2	4.0	59.4			
LOWEST		30.2	144.2	49.5	3.8	94	24.1	135.8	53.8	0.9	95	117.0	27.1	140.6	51.5	2.7	97	8.9	3.6	58.3			
CV (%)		3.8	9.0	1.2	9.6	7.1	3.1	10.8	0.8	4.7	6.1	8.5	3.8	10.8	1.1	7.8	5.8	4.1	5.8	3.7			
LSD (.05%)		0.9	5.2	0.6	3.6	3.1	0.6	5.8	0.4	1.7	2.6	7.8	0.5	3.7	0.3	1.8	1.5	0.3	0.3	0.6			

** Highest Yielding Hybrid

* Not Significantly Different from Highest Yielding Hybrid

WHY SILAGE YIELDS?

Grain trials in Alger and Delta Counties (early), Zone 5, and Delta County (late), Zone 4, were harvested as corn silage in 2004. Lack of sufficient heat units (GDD's) before the first killing frost on September 29th resulted in most of the crop not reaching full physiological maturity. The trials were harvested using normal silage procedures. At the time of silage harvest, ears from all hybrids were inspected to determine which hybrids could be reasonably expected to make harvestable grain. Ear samples from those plots were hand picked for determining grain yield.

Ear samples were oven dried and weighed to determine ear moisture (%EM) listed in the tables. Samples were then shelled, weighed, and processed for test weight (Twt). Grain weights were then converted to yield (Bu/A) by adjusting the dry weights to 15.5% moisture and for population. The intent is to use the data for assistance in determining which hybrids showed potential for reaching full maturity for grain harvest in a cooler than normal growing season. Remember the recorded yields are "estimates" based on a small sample and should be used guardedly. Two and three year yield data from these locations were also calculated using the hand picked samples and should be used accordingly. Hybrids that show no grain yield were still in the milk stage of ear development at the time of the killing frost.

TABLE 5. ALGER & DELTA COUNTY GRAIN TRIALS (98 Day and Earlier)

ZONE 5

2004			Silage			ALGER			Grain			Silage			DELTA - EARLY			Grain			Silage			TRIAL AVERAGE			Grain		
Brand / Hybrid	RM	TRT	%DM	GT/A	DT/A	%Std	%EM	Bu/A	Twt	%DM	GT/A	DT/A	%Std	%EM	Bu/A	Twt	%DM	GT/A	DT/A	%Std	%EM	Bu/A	Twt	%EM	Bu/A	Twt	%EM	Bu/A	Twt
BAYSIDE Super 75	75		34.5	12.2	4.2	97	61.8	64.5	43.7	43.9	7.8	3.5	99	46.3	73.3 *	52.2	39.2	10.0	3.9	98	54.1	68.9 *	48.0						
BAYSIDE Super 80	80		33.4	15.6	5.2	100				41.5	9.8	4.1	99	49.8	55.4	47.4	37.5	12.7	4.7	99									
SPANGLER 1104	80		32.3	14.8	4.8	99				42.9	8.6	3.7	99	54.6	64.9 *	44.2	37.6	11.7	4.3	99									
SPANGLER 1303	83		30.8	16.3	5.0	100				37.8	11.8	4.5	100				34.3	14.1	4.8	100									
SPANGLER 154G	84		31.3	17.5	5.5	100				37.8	10.3	3.9	99				34.6	13.9	4.7	99									
WOLF RIVER VALLEY WRV9373	73		37.4	11.5	4.3	82	53.6	64.6	47.2	51.1	5.6	2.9	93	37.2	72.1 *	51.6	44.3	8.6	3.6	88	45.4	68.4 *	49.4						
WOLF RIVER VALLEY WRV9968	68		35.1	4.6	1.6	88	51.4	52.7	49.3	54.4	4.1	2.2	87	28.8	55.9	55.1	44.8	4.4	1.9	87	40.1	54.3	52.2						
Average			33.5	13.2	4.4	95	55.6	60.6	46.7	44.2	8.3	3.5	97	43.3	64.3	50.1	38.9	10.8	4.0	96	46.5	63.9	49.9						
BROWN EX804	80	C125	32.1	16.4	5.3	100	61.8	67.0 *	45.5	45.7	8.5	3.9	100				38.9	12.5	4.6	100									
BROWN 1811YGCB	83	C250	31.8	16.8	5.4	100				39.1	11.2	4.4	99				35.5	14.0	4.9	100									
DYNAGRO 50K70	78	P250	34.0	14.8	5.0	100	56.4	66.8 *	46.9	43.5	8.6	3.8	100	47.4	62.3	51.5	38.8	11.7	4.4	100	51.9	64.6 *	49.2						
DYNAGRO 51K74	83	P250	31.7	16.5	5.2	98				42.2	10.8	4.5	100	48.8	64.9 *	47.7	37.0	13.7	4.9	99									
Average		250	32.5	16.0	5.2	99	56.4	66.8	46.9	41.6	10.2	4.2	100	48.1	63.6	49.6	37.1	13.1	4.7	100	51.9	64.6	49.2						
NK Brand N09-A4	74	C1250	37.8	12.5	4.7	100	55.6	59.7	47.5	50.4	6.6	3.3	100	36.0	62.6	53.5	44.1	9.6	4.0	100	45.8	61.2	50.5						
NK Brand N12-G3	77	C1250	36.5	14.0	5.1	90				51.7	5.8	3.0	81	43.4	62.7	51.0	44.1	9.9	4.1	85									
NK BRAND N16-N7	81	C1250	37.9	14.5	5.5	100	54.8	71.6 *	48.4	47.5	6.9	3.3	98				42.7	10.7	4.4	99									
PIONEER 37A91	96	P1250	31.7	17.6	5.5	100				39.3	13.2	5.2**	100	60.5	77.8**	46.7	35.5	15.4	5.4**	100									
PIONEER 38B85	96	P1250	31.9	17.9	5.7 *	100				40.5	11.0	4.5	100				36.2	14.5	5.1 *	100									
PIONEER 38H67	98	P1250	29.8	19.3	5.7 *	100				37.2	11.8	4.4	99				33.5	15.6	5.1 *	100									
PIONEER 38P04	94	P1250	30.8	18.8	5.8 *	100				36.7	11.9	4.4	100				33.8	15.4	5.1 *	100									
PIONEER 38W22	92	P1250	33.9	17.2	5.9**	98				38.7	10.9	4.3	97	57.4	72.8 *	46.3	36.3	14.1	5.1 *	98									
PIONEER 39D82	87	P1250	32.0	17.9	5.7 *	100				40.7	10.0	4.1	100				36.4	14.0	4.9	100									
PIONEER 39F28	89	P1250	30.0	18.3	5.4	99	56.8	76.8**	44.9	39.1	11.3	4.4	97	60.1	65.5 *	46.3	34.6	14.8	4.9	98	58.5	71.2**	45.6						
Average		1250	33.2	16.8	5.5	99	55.73	69.4	46.9	42.2	9.9	4.1	97	51.5	68.3	48.8	37.7	13.4	4.8	98	52.1	66.2 *	48.1						
AVERAGE			33.2	15.5	5.1	98	56.3	65.4	46.7	42.9	9.4	3.9	97	48.5	65.9	49.5	38.0	12.4	4.5	98	49.3	65.0	49.2						
HIGHEST			37.9	19.3	5.9	100	61.8	76.8	49.3	54.4	13.2	5.2	100	60.5	77.8	55.1	44.8	15.6	5.4	100	58.5	71.2	52.2						
LOWEST			29.8	4.6	1.6	82	51.4	52.7	43.7	36.7	4.1	2.2	81	28.8	55.4	44.2	33.5	4.4	1.9	87	40.1	54.3	45.6						
CV (%)			4.2	6.8	5.6	2	10.45	13.6	1.7	3.5	7.1	7.3	2	10.6	16.5	1.3	3.1	6.3	5.8	2	10.0	12.0	1.2						
LSD (.05%)			1.7	1.2	0.3	2	7.1	10.8	0.9	1.8	0.8	0.3	3	6.1	13.0	0.8	1.6	0.8	0.3	2	5.9	8.3	0.7						

2 Year AVERAGES		ALGER			DELTA - Early			TRIAL AVERAGE		
Brand / Hybrid	RM	Bu/A			Bu/A			Bu/A		
BAYSIDE Super 75	75	78.6**			99.0**			88.8**		
BAYSIDE Super 80	80				95.1 *					
SPANGLER 1104	80				94.1 *					
NK Brand N09-A4	74	68.5			76.7			72.7		
AVERAGE		73.6			91.2			80.8		
HIGHEST		78.6			99.0			88.8		
LOWEST		68.5			76.7			72.7		
CV (%)		8.7			10.5			10.8		
LSD (.05%)		9.3			11.5			7.8		

3 Year AVERAGE		ALGER	
Brand / hybrid	RM	Bu/A	
NK Brand N09-A4	74	83.6	

TABLE B.

AGRONOMIC TABLES FOR GRAIN TRIAL LOCATIONS

COUNTY		PLANTING DATES	HARVEST DATES	PREVIOUS CROP	100 % STAND	AVERAGE STAND	FERTILIZER N - P - K
Zone 1	LENAAWEE	April 29	Oct. 26	Soybean	30,096	28,908	188 - 30 - 19
	BRANCH	April 23	Oct. 21	Soybean	30,096	29,700	192 - 41 - 26
	CASS	April 23	Oct. 21	Corn	30,096	26,928	210 - 69 - 149
Zone 2	KENT	April 29	Oct. 22	Soybean	28,512	28,112	150 - 40 - 25
	INGHAM	April 26	Oct. 25	Soybean	28,512	28,112	190 - 40 - 25
	SAGINAW & RR	May 6	Oct. 27	Soybean	28,512	28,112	190 - 40 - 25
Zone 3	HURON & RR	June 3	Nov. 9	Soybean	28,512	28,512	131 - 40 - 25
	MONTCALM	May 6	Nov. 8	Potato / Rye	30,096	29,304	137 - 40 - 25
	MONTCALM RR	May 4	Nov. 8	Corn	30,096	29,700	191 - 40 - 25
	MASON	May 7	Nov. 3	Wheat / Rye	30,096	29,700	216 - 17 - 31
Zone 4	ALPENA	June 4	Oct. 20	Corn	28,512	28,512	11 - 41 - 26
	GRAND TRAVERSE	May 7	Nov. 3	Corn	27,720	27,324	169 - 29 - 31
	DELTA	May 10	Harvested for Silage Oct. 13	Barley	28,512	27,720	168 - 78 - 34
Z5	ALGER	May 11	Harvested for Silage Oct. 13	Corn	28,512	27,324	184 - 47 - 99

COUNTY		SOIL TYPE	SOIL TEST	FARM COOPERATOR	LOCATION
Zone 1	LENAAWEE	Lenawee Silty Clay loam	pH 6.2 P 39, K 156	Jason Woods	Britton
	BRANCH	Fox Sandy Loam	pH 7.4 P 93, K 215	Remus Riggs	Coldwater
	CASS	Kalamazoo Loam	pH 6.6 P 67, K 187	Dave & Mel Cripe	Cassopolis
Zone 2	KENT	Spinks Loamy Sand	pH 6.5 P 68, K 148	Pleasant Acres Farm Gerald Kayser	Caledonia
	INGHAM	Capac Loam	pH 7.0 P 35, K 105	Jorgensen Farms Jerry Jorgensen & Mike Turner	Williamston
	SAGINAW & RR	Chesaning Cohoctah Pella Frankenhmouth	pH 7.2 P 54, K 140	John Spero	Birch Run
Zone 3	HURON & RR	Shebeon Loam	pH 7.8 P 47, K 137	Wil-Le Farms William, Ron & Ed McCrea	Bad Axe
	MONTCALM	McBride Sandy Loam	pH 5.9 P 156, K 149	Troy Sackett	Edmore
	MONTCALM RR	Montcalm - McBride Sandy Loam	pH 6.5 P 252, K 182	Montcalm Research Farm, MSU	Entrican
	MASON	Ogemaw Sandy Loam	pH 6.8 P 169, K 183	Robert & August Oshe	Scottville
Zone 4	ALPENA	Onaway Loam	pH 7.5 P 28, K 221	Corby & Fred Werth	Alpena
	GRAND TRAVERSE	Karlin Sandy Loam	pH 6.8 P 149, K 10	Richard Dennett	Buckley
	DELTA	Onaway Fine Sandy Loam	pH 7.3 P 48, K 81	Benny Herioux	Bark River
Z5	ALGER	Eben Very Cobbly Sandy Loam	pH 7.4 P 84, K 142	Upper Peninsula Experiment Station, MSU	Chatham

HYBRID INDEX FOR GRAIN TRIALS

The 266 hybrids submitted for testing by 30 seed companies (32 brand names) resulted in 415 individual entries in the 2004 Michigan Corn Performance Trials for grain. The map of Michigan (page 7) shows each zone and the locations where the trials were located. Zones 1, 2 and 3 were divided into two maturity groups (designated early and late) on the basis of the maturity ratings submitted by the companies with results listed in separate tables. Below is a listing of company names, brand names, hybrid numbers, the table designation and an E (early) or L (late) for each hybrid.

Zone 1 Tables 1E/1L	Zone 2 Tables 2E/2L	Zone 3 Tables 3E/3L	Zone 4 Table 4	Zone 5 Table 5	Roundup Trial Tables 6E/6L
Branch	Ingham	Huron	Alpena	Alger	Huron - Zone 3
Cass	Kent	Mason	Delta - Late	Delta - Early	Montcalm - Zone 3
Lenawee	Saginaw	Montcalm	Grand Traverse	Trial Average	Saginaw - Zone 2
Trial Average	Trial Average	Trial Average	Trial Average		Trial Average

AGRIGOLD HYBRIDS		BROWN SEED FARMS, INC.		MONSANTO (continued)	
AGRIGOLD A6235Bt	(2E)	BROWN 1811YGCB	(5)	DEKALB DKC53-34 (RR2/YGCB)	(1E,2L,6L)
AGRIGOLD A6263	(2E)	BROWN 3020YGCB	(3E)	DEKALB DKC54-51 (YGCB)	(1E,2L)
AGRIGOLD A6333Bt	(1E,2L)	BROWN 5130YGCB	(2E)	DEKALB DKC57-01	(1E)
AGRIGOLD A6341	(1E,2L)	BROWN 5345YGCB	(2L)	DEKALB DKC57-84 (YGCB)	(1E)
AGRIGOLD A6391	(1E)	BROWN 5636	(2E,3L)	DEKALB DKC58-80 (RR2/YGCB)	(1L)
AGRIGOLD A6395Bt	(1L)	BROWN 6220	(2L)	DEKALB DKC59-08	(1L)
		BROWN 6850YGCB	(2L)	DEKALB DKC60-08 (YGCB)	(1L)
MONSANTO		BROWN 6926	(1L)	DEKALB DKC61-43 (YGCB)	(1L)
ASGROW RX702YG	(1L)	BROWN EX804	(5)	DEKALB DKC61-50	(1L)

BAYSIDE SEEDS, LLC		CORN BELT HYBRIDS		UAP GREAT LAKES	
BAYSIDE 1700	(2E,3L)	CORN BELT C435Bt	(2E)	DYNAGRO 50K70	(5)
BAYSIDE 1795	(2E,3E)	CORN BELT C57B8Bt	(2L)	DYNAGRO 51K74	(4,5)
BAYSIDE 2090	(3E,4)	CORN BELT C599	(1L)	DYNAGRO 51P88	(3E,4,)
BAYSIDE 2295	(2E,3E)			DYNAGRO 53F49	(2E,3E)
BAYSIDE 2295 P250	(2E,3E)	DAIRYLAND SEED		DYNAGRO 53K34	(2E,3E,6E)
BAYSIDE NorthGro NG1541RR	(4)	DAIRYLAND STEALTH-1503	(2E,3L)	DYNAGRO 53K98	(2E,3E,6E)
BAYSIDE NorthGro NG4757RR	(2E,3E,6E)	DAIRYLAND STEALTH-1507Bt	(1L)	DYNAGRO 53P30	(3E,6E)
BAYSIDE NorthGro NG4767YG	(2E)	DAIRYLAND STEALTH-1598	(2E)	DYNAGRO 54K11	(2E,6E)
BAYSIDE NorthGro NG5072RR	(2E,3E,6E)	DAIRYLAND STEALTH-1606	(1E,2L)	DYNAGRO 55F16	(2L)
BAYSIDE NorthGro NG5518RR	(2E,6E)	DAIRYLAND STEALTH-1690	(4)	DYNAGRO 55F21	(1E)
BAYSIDE NorthGro NG5570RR	(2L,6L)	DAIRYLAND STEALTH-5104	(1E,2L,3L)	DYNAGRO 55P41	(2L,6L)
BAYSIDE NorthGro NGEX2785YG	(1E,2L)	DAIRYLAND STEALTH-5194	(2E,3E,4)	DYNAGRO 57F67	(1L)
BAYSIDE Super 105	(1E,2L,3L)	DAIRYLAND STEALTH-5497	(2E,3L)	DYNAGRO 56N17	(1E)
BAYSIDE Super 107	(2L)	DAIRYLAND STEALTH-5503	(1E)		
BAYSIDE Super 75	(4,5)	DAIRYLAND STEALTH-5611	(1L)	GARST SEED COMPANY	
BAYSIDE Super 80	(4,5)	DAIRYLAND STEALTH-7191	(4)	GARST 8450IT	(1L)
BAYSIDE Super 82	(4)			GARST 8461	(1L)
BAYSIDE Super 86	(4)	MONSANTO		GARST 8535YG1/IT	(1E)
BAYSIDE Super 93	(2E,3E)	DEKALB DK440	(2E,3E)	GARST 8590IT	(2L)
BAYSIDE Super 93 P1250	(2E,)	DEKALB DKC35-01 (RR2)	(4)	GARST 8590RR	(1E,2L,6L)
BAYSIDE Super 93 P250	(2E)	DEKALB DKC35-02 (RR2/YGCB)	(4)	GARST 8625	(2L)
		DEKALB DKC37-14 (RR2)	(4)	GARST 8880YG1	(3E)
BECK'S SUPERIOR HYBRIDS		DEKALB DKC39-47 (RR2)	(3E,4,6E)	GARST 8881RR	(2E,6E)
BECK 5228CB	(1E)	DEKALB DKC39-48 (RR2/YGCB)	(3E,4,6E)	GARST 8905RR	(4)
BECK 5283Bt 1	(1E)	DEKALB DKC40-05	(3E,4)	GARST 8922YG1	(3E)
BECK 5322CB	(1L)	DEKALB DKC42-95 (RR2/YGCB)	(3E,6E)	GARST NE634IT	(2L)
		DEKALB DKC44-46 (RR2/YGCB)	(2E,6E,3E)	GARST NE795IT	(3L)
BIO GENE SEEDS		DEKALB DKC46-28 (RR2)	(2E,3E,6L)		
BIO GENE BG1104	(1L)	DEKALB DKC47-10 (RR2/YGCB)	(2E,3L,6L)	GENESIS BRAND SEED	
BIO GENE BG1119	(1L)	DEKALB DKC48-52 (RR2)	(2E,3L,6L)	GENESIS 2C05YGCB	(1E,2L)
BIO GENE BG940	(3E)	DEKALB DKC50-18 (YGCB)	(2E,3L)	GENESIS 2C84RR	(4)
BIO GENE BG991	(3L)	DEKALB DKC50-20 (RR2/YGCB)	(2E,3L,6L)	GENESIS 2D91RR	(4)
BIO GENE BT1071	(1E)	DEKALB DKC51-45 (RR2)	(2L,3L,6L)	GENESIS 2D93RRYGCB	(2E,3E)
		DEKALB DKC52-21 (YGCB)	(2L)	GENESIS 2D97RRYGCB	(2E,3L,6L)
		DEKALB DKC52-47 (RR2/YGCB)	(1E,2L,6L)		
		DEKALB DKC53-33 (RR2)	(2L,6L)		

GENESIS BRAND SEED (continued)

GENESIS 2D100RRYGCB (1E,2L)
 GENESIS 2E84RR (4)
 GENESIS 2E93CRWYGCB (2E,3E)
 GENESIS 3CX96YGCB (2E,3E)
 GENESIS 2E95RRYGCB (2E,3E)
 GENESIS 3C100YGCB (2E,3L)
 GENESIS 3C96YGCB (2E,3L)
 GENESIS 3D92YGCB (2E,3E)

SOMMER BROS. SEED CO.

GOLDEN HARVEST EX27207Bt (2E,3E,4)
 GOLDEN HARVEST EX36785RR (3E,4)
 GOLDEN HARVEST EX38914RR (1L)
 GOLDEN HARVEST H-6907RR (2E,3E,4)
 GOLDEN HARVEST H-7298RR (2E)
 GOLDEN HARVEST H-8618Bt (1E)
 GOLDEN HARVEST H-9006Bt (1L,2L)
 GOLDEN HARVEST H-9148Bt (1L)

GREAT LAKES HYBRIDS

GREAT LAKES 4262RR (3E,6E)
 GREAT LAKES 4297BtRR (3E,6E)
 GREAT LAKES 4521RR (2E,3E,6E)
 GREAT LAKES 4623Bt (3L)
 GREAT LAKES 5088Bt (2E,3L)
 GREAT LAKES 5377 (2L)
 GREAT LAKES 5522 (2L)
 GREAT LAKES Quad-5BtRR (2L,6L)

GRIES SEED FARMS, INC.

GRIES 2497 (3L)
 GRIES 4402 (3L)
 GRIES 5306 (1E)
 GRIES 6310 (1L)

LUCKEY FARMERS, INC.

GRO-MOR 5990 (1L)
 GRO-MOR E6087 (1E)

TRELAY SEED COMPANY

HIGH CYCLE HC5B353 (2E)
 HIGH CYCLE HC5B578 (3L)
 HIGH CYCLE HC5B739 (2L)
 HIGH CYCLE HC7242YGCB (4)
 HIGH CYCLE HC7454YGCB (3L)
 HIGH CYCLE HC7495RR/YGCB (3E,6E)
 HIGH CYCLE HC7525YGCB (2E)
 HIGH CYCLE HC7560YGCB (2E,3L)
 HIGH CYCLE HC7592RR/YGCB (2E,6L)
 HIGH CYCLE HC7601YGCB (1E,2L)
 HIGH CYCLE HC7743YGCB (1L)
 HIGH CYCLE HC7807YGCB (1L)

HYLAND SEEDS

HYLAND SEEDS HL2368 (2E,3E)
 HYLAND SEEDS HL2507 (2E)
 HYLAND SEEDS HL2676 (2L)
 HYLAND SEEDS HLB282 (2E,3E)
 HYLAND SEEDS HLB292 (2E)

JUNG SEED GENETICS, INC.

JUNG 6432YGCB (3E)
 JUNG 6545YGCB (1E,2L)

LEGACY BRAND HYBRIDS, INC.

LEGACY 33L24 (1L)
 LEGACY 33L26 (1E,2L)
 LEGACY 35L25 (2L)
 LEGACY 35L35 (1E,2L)
 LEGACY 37L84 (2E,3E)

MYCOGEN SEEDS

MYCOGEN 2E633 (1E)
 MYCOGEN 2E705 (1L)
 MYCOGEN 2G626 (2L)
 MYCOGEN 2K350 (3E)
 MYCOGEN 2R426 (3L)
 MYCOGEN 2R570 (2L)

SYNGENTA SEEDS

NK Brand N09-A4 (5)
 NK Brand N12-G3 (4,5)
 NK Brand N16-N7 (5)
 NK Brand N18-F2 (4)
 NK Brand N21-V6 (4)
 NK Brand N2555Bt (3E)
 NK Brand N25-J7 (3E)
 NK Brand N3030Bt (3E)
 NK Brand N35-B8 (3E)
 NK Brand N36-R6 (2E,3L)
 NK Brand N43-C4 (2E)
 NK Brand N45-A6 (2E,3L)
 NK Brand N50-P5 (1E,2L)
 NK Brand N51-Z7 (2L)
 NK Brand N58-D1 (1E,2L)
 NK Brand N59-Q9 (1E)
 NK Brand N65-M7 (1L)

PARTNERS BRAND

PARTNERS BRAND 424 (4)
 PARTNERS BRAND 438YGCB (3E)
 PARTNERS BRAND 441 (3E)
 PARTNERS BRAND 495YGCB (2L)
 PARTNERS BRAND 511 (2L,3L)
 PARTNERS BRAND 525HX1 (2L,3L)
 PARTNERS BRAND 528YGCB (2L)
 PARTNERS BRAND 532 (2L)
 PARTNERS BRAND 580 (2L)
 PARTNERS BRAND 611YGCB (1L)

PIONEER HI-BRED INTERNATIONAL

PIONEER 33N09 (1L)
 PIONEER 34D72 (1L)
 PIONEER 34H32 (1E)
 PIONEER 34M95 (1L)
 PIONEER 35Y55 (1E,2L)
 PIONEER 36B09 (1E,2L)
 PIONEER 37A91 (4,5)
 PIONEER 37F16 (2E,3L)
 PIONEER 38B85 (2E,3L,5)
 PIONEER 38H67 (3L,5)
 PIONEER 38P04 (3E,4,5)
 PIONEER 38W22 (3E,4,5)
 PIONEER 39D82 (5)
 PIONEER 39F28 (4,5)

RENK SEED COMPANY

RENK RK438RRYGCB (2E,3E,6E)
 RENK RK438YGCB (3E)
 RENK RK452LLYGCB (2E,3E)
 RENK RK478RRYGCB (2E,3E,6E)
 RENK RK488RR (2E,3E,6E)
 RENK RK488YGCB (2E,3E)
 RENK RK556 (2E,3L)
 RENK RK556RR (2E,3L,6L)
 RENK RK569YGCB (3L)
 RENK RK632YGCB (2E,3L)
 RENK RK636RRYGCB (2L,3L,6L)
 RENK RK636YGCB (1E,2L,3L)
 RENK RK652LLYGCB (1E,2L)
 RENK RK772YGCB (1E,2L)
 RENK RK870YGCB (1L)
 RENK RK877YGCB (1L)

RUPP SEEDS, INC.

RUPP XR1609 (2L,3L)
 RUPP XS1650 (2L)
 RUPP XR1708 (1E)
 RUPP XR1744 (1L)
 RUPP XR1810 (1L)
 RUPP XR8544RR (1L)
 RUPP XR8565 (3E,4)
 RUPP XR8619 (1E,2L,3L)
 RUPP XR8682 (2L)

SPANGLER SEEDTECH, INC.

SPANGLER 1104 (5)
 SPANGLER 1303 (5)
 SPANGLER 154G (5)

STEYER SEED

STEYER 2050 (2E)
 STEYER 2355 (1E,2L)
 STEYER 2356 (1E)
 STEYER 2386 (1L)
 STEYER 9201 (2E)

TRELAY SEED COMPANY

TRELAY 1009 (4)
 TRELAY 4200 (2E)
 TRELAY 7012 (1E,2L)

ROYSER-CLARK, INC.

VIGORO EX433003 (2L,3L)
 VIGORO EX644010 (1E,2L)
 VIGORO EX753001 (1L)
 VIGORO V28Y31 (3E,4)
 VIGORO V43Y31 (2L,3L)
 VIGORO V4530 (2L)
 VIGORO V45D37 (1E)
 VIGORO V46Y41 (1E,2L)
 VIGORO V5050 (1L)
 VIGORO V50D37 (1L)
 VIGORO V5240 (1L)

WELLMAN SEEDS, INC.

WELLMAN W2510 (1L)

WOLF RIVER VALLEY SEEDS

WOLF RIVER VALLEY WRV9373 (5)
 WOLF RIVER VALLEY WRV9968 (5)

2004

Silage Performance Trials

Introduction

Nine locations (see map) containing 15 silage trials were harvested. The silage index (pg. 46) contains a list of all hybrids planted in the 2004 silage trials.

Yield data for Branch and Lenawee counties are reported in **Tables 7E** and **7L**. Yield data for trials conducted in Ingham, Kent(Zone 2), and Huron(Zone 3) counties are presented in **Tables 8E** and **8L**. **Table 9** reports county data for Alpena and Delta (late). Osceola county was not harvested due to Roundup damage. **Table 10** contains data for Delta (early) and Alger counties. Hybrids are reported in alphabetical order by seed treatment in each of the tables. Results are also posted on our Web site:

<http://www.css.msu.edu/varietytrials/>

Methods

Testing procedures (randomization, replication, planting rates, etc.) for silage evaluation are the same as those utilized for the grain trials. Plots were four rows wide, and the center two rows were harvested for yield and quality.

Silage plots were harvested with a two-row self-propelled forage harvester. Electronic scales mounted on the chopper measured plot weights. Total plot weight is used to calculate green tons per acre (**GT/A**). Sub samples were collected, (fodder plus grain) weighed, oven dried until weight loss was zero, then weighed again to determine the percent dry matter (**%DM**). Dry tons per acre (**DT/A**) is calculated using **GT/A** multiplied by **%DM**. The samples were ground using a 1.0 mm screen before conducting quality analysis using NIR (near infrared reflectance).

Silage Analysis

Tables 7E, 7L, 8E, 8L, 9 and 10 provide silage quality data as determined by NIR analysis on freshly dried samples. Data is provided for individual locations and also averaged over multiple locations. Near infrared spectral analysis involves irradiating the ground sample with light in the near infrared spectrum (1,100 to 2,500 nm). The illuminated sample absorbs light proportional to specific chemical and physical properties. The reflected energy is measured and correlated statistically with established forage quality levels. Results of the five quality traits analyzed are presented in the quality tables. The five quality traits are:

1. **IVD=(in vitro) digestible dry matter.** This is a measure of forage digestibility.
2. **ADF=acid detergent fiber.** Acid detergent fiber represents the less digestible portion of the corn forage, containing cellulose, lignin and heat damaged protein. ADF is closely related to the digestibility of forages. Lower ADF implies the forage is more digestible. More mature plant material will contain higher ADF concentrations. A low concentration of ADF is desirable.
3. **NDF=neutral detergent fiber.** This is a measure of the fiber content of the corn forage. It is less digestible than non-fiber constituents of the forage. Forages with high NDF levels have lower energy. NDF is also a measure of potential forage intake. High NDF levels decrease the potential forage intake. Low NDF content is desirable.
4. **CP=crude protein.** Forages are generally supplemented with high protein concentrates such as soybean meal to increase the protein content

2004 Silage Trial Locations

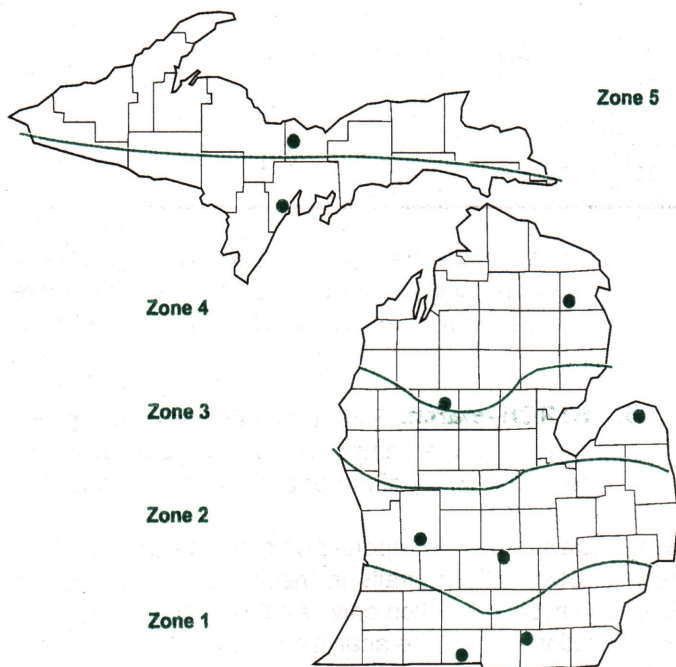


TABLE C.

AGRONOMIC TABLES FOR SILAGE TRIAL LOCATIONS

	COUNTY	PLANTING DATES	HARVEST DATES	PREVIOUS CROP	100 % STAND	AVERAGE STAND	FERTILIZER N - P - K
Zone 1	BRANCH	April 23	Sept. 13, 17	Corn w/ Rye	30,096	29,700	192 - 41 - 26
	LENAWEE	April 27	Sept. 10, 17	Soybean	28,512	27,324	81 - 19 - 12 + Manure
Zone 2	KENT	May 28	Sept. 14, 20	Corn	28,512	28,112	110 - 40 - 25 + Manure
	INGHAM	April 26	Sept. 16, 22	Soybean	28,512	28,512	133 - 37 - 23
	HURON	June 3	Oct. 1, 7	Soybean	28,512	28,512	131 - 40 - 25
Zone 4	ALPENA	June 4	Sept. 29	Corn	28,512	28,512	11 - 41 - 26
	OSCEOLA	May 7	Abandoned	Alfalfa	28,512	N/A	161 - 40 - 25 + Manure
	DELTA	May 10	Sept. 30 Oct. 13	Barley	28,512	27,720	164 - 78 - 34
Z5	ALGER	May 11	Oct. 12	Corn	28,512	27,324	148 - 47 - 99

	COUNTY	SOIL TYPE	SOIL TEST	FARM COOPERATOR	LOCATION
Zone 1	BRANCH	Fox Sandy Loam	pH 7.4 P 93, K 215	Remus Riggs	Coldwater
	LENAWEE	Blount Loam	pH 7.2 P 127, K 228	Bakerlad Farms Blaine Baker	Clayton
Zone 2	KENT	Morlette loam	pH 6.3 P 171, K 242	John Oesch	Alto
	INGHAM	Capac Loam	pH 5.9 P 124, K 320	Crop & Soil Sciences Research Facility, MSU	East Lansing
	HURON	Shebeon Loam	pH 7.8 P 47, K 137	Wil-Le Farms William, Ron, & Ed McCrea	Bad Axe
Zone 4	ALPENA	Onaway Loam	pH 7.45 P 28, K 221	Corby & Fred Werth	Alpena
	OSCEOLA	Chelsea Sand	pH 6.7 P 79, K 168	Robert E. Lee	Marion
	DELTA	Onaway Fine Sandy Loam	pH 7.3 P 48, K 81	Benny Herioux	Bark River
Z5	ALGER	Eben Very Cobbly Sandy Loam	pH 7.4 P 84, K 142	Upper Peninsula Experiment Station, MSU	Chatham

of ruminant diets. Corn hybrids with high protein levels require less supplementation and therefore result in lower feed costs. High protein content is desirable.

5. **STRCH=starch.** Starch from the grain, along with the digestible component of the fiber, accounts for the majority of the energy in corn silage.

Silage quality traits are reported on a dry matter basis (100 percent DM). Quality traits in these tables are intended for use in hybrid selection only. Analysis for the balancing of feed rations should be analyzed from hybrids grown on each individual farm.

MILK2000

A calculation using the MILK2000 equation (UW-Madison Dairy Science Department) estimates MK/T (milk per ton) and MK/A (milk per acre). MILK2000 estimates the dry matter intake using the NDF and CWD (cell wall digestibility) parameters of the sample. MILK2000 assumes the weight of the cow is 1,350 lbs. and that it consumes a 30 percent NDF diet. Using National Research Council (NRC, 1989) energy requirements, the estimated intake of energy from corn silage is converted to milk per ton. Milk per acre is then calculated using the estimated values for milk per ton and dry matter yield per acre.

TABLE 7E.

BRANCH & LENAWEE COUNTY SILAGE TRIALS - EARLY (110 Day and Earlier)

ZONE 1

2004				BRANCH - Early										LENAWEE - Early											
Brand / Hybrid	RM	TRT		%DM	GT/A	DT/A	%Std	%lvd	%andf	%cp	stch	MK/T	MK/A	%DM	GT/A	DT/A	%Std	%lvd	%andf	%cp	stch	MK/T	MK/A		
GOLDEN HARVEST EX38914RR	110			43.4	19.5	8.4	99	81.8	17.4	33.5	6.4	44.8	3295	27756	45.5	16.5	7.5	95	81.5	16.7	33.2	6.5	44.6	3210	23945
MYCOGEN TMF2M696	110	C125		44.8	19.1	8.6	97	81.7	18.8	36.5	6.5	40.4	3305	28339	47.0	16.5	7.7	94	80.7	19.2	37.6	6.8	40.4	3229	24717
RUPP XR1810	110	C125		37.3	22.7	8.4	99	84.3	17.7	34.2	6.9	40.4	3717	31249	39.1	20.2	7.9*	95	82.2	19.0	36.4	6.7	38.7	3522	27723
RUPP XS1650	106	C125		42.8	20.8	8.9*	94	80.6	19.0	36.2	6.5	41.5	3245	28789	45.2	16.5	7.4	91	80.3	19.0	36.9	6.7	39.4	3179	23594
VIGORO V50D37	110	C125		41.8	20.9	8.7	92	83.2	17.7	34.0	6.6	41.8	3501	30356	48.8	15.3	7.4	87	82.4	16.3	32.6	6.6	44.8	3259	24117
Average	125			41.7	20.9	8.6	95	82.4	18.3	35.2	6.6	41.0	3442	29683	45.0	17.1	7.6	92	81.4	18.4	35.9	6.7	40.8	3297	25038
ASGROW RX702YG	110	P250		40.8	23.9	9.7**	99	83.5	16.0	32.4	6.7	43.0	3536	34286	45.6	17.3	7.8	95	81.5	17.6	35.1	6.3	42.2	3261	25541
BECK 5283Bt 1	107	P250		47.3	17.6	8.3	100	81.5	16.7	32.6	6.5	47.2	3115	25842	49.6	17.6	8.6**	93	82.2	14.8	30.0	6.7	47.9	3180	27429
CORN BELT C599	109	P250		45.4	19.6	8.9*	99	81.6	17.4	34.4	6.2	44.5	3242	28736	48.5	15.2	7.3	94	81.0	17.6	34.3	6.4	43.3	3162	23026
DAIRYLAND DST-10832	106	P250		41.8	20.2	8.4	98	83.4	17.3	33.9	6.5	42.2	3517	29538	45.5	18.0	8.2*	95	81.3	18.6	36.1	6.3	42.1	3261	26577
DAIRYLAND STEALTH-1514	110	P250		39.9	20.3	8.1	77	83.1	18.5	35.4	6.8	39.1	3566	28852	41.4	17.5	7.2	84	83.3	16.5	33.3	6.9	41.7	3518	25426
DAIRYLAND STEALTH-1611	108	P250		45.9	19.1	8.7	99	82.3	16.6	33.3	6.3	45.3	3282	28648	41.4	19.1	7.9*	95	81.7	17.7	34.3	6.6	42.4	3363	26477
DEKALB DKC58-80 (RR2/YGCB)	108	P250		42.4	19.5	8.2	100	83.7	17.8	34.8	6.8	40.9	3544	29149	51.2	14.0	7.2	93	82.2	17.7	35.2	6.2	43.4	3261	23340
DEKALB DKC60-08 (YGCB)	110	P250		41.2	20.5	8.4	100	82.1	17.7	34.3	6.7	43.8	3406	28737	41.6	18.9	7.8	95	82.2	18.1	35.3	7.0	40.4	3438	26754
GREAT LAKES Quad-5B1RR	107	P250		45.9	16.7	7.7	100	82.8	15.6	31.4	6.6	47.0	3273	24968	50.8	14.8	7.4	95	81.7	16.9	33.2	6.4	44.7	3181	23596
GRIES 5306	106	P250		41.7	21.3	8.9*	96	82.4	18.6	35.7	6.8	40.2	3448	30612	46.0	16.5	7.5	94	82.5	17.4	34.1	6.8	42.5	3382	25415
HIGH CYCLE HC7743YGCB	108	P250		43.4	18.6	8.1	98	82.8	17.3	33.3	6.4	43.1	3394	27308	53.7	15.0	8.0*	94	81.9	16.2	32.1	6.7	46.3	3163	25380
TRELAY 7012	105	P250		41.5	17.8	7.4	96	83.7	16.7	32.4	6.7	44.5	3531	26110	48.2	16.3	7.9*	94	82.6	16.9	33.1	6.6	44.9	3259	25586
Average	250			43.1	19.6	8.4	97	82.7	17.2	33.6	6.6	43.4	3405	28565	46.9	16.7	7.7	93	82.0	17.1	33.8	6.6	43.5	3286	25379
PIONEER 34M95	110	P1250		42.3	20.7	8.8	100	83.6	17.7	35.2	6.3	41.3	3545	30957	42.9	17.1	7.2	90	83.1	18.2	36.7	6.7	41.2	3504	25320
PIONEER 35D28	108	P1250		40.4	18.5	7.5	99	83.5	17.6	34.3	6.7	42.4	3569	26750	45.9	15.8	7.2	95	82.6	18.3	35.5	6.7	41.9	3364	24331
PIONEER 35Y55	106	P1250		40.5	19.8	8.0	100	83.7	16.3	32.9	6.9	42.9	3566	28359	36.4	17.3	6.3	95	80.5	22.5	42.4	7.4	31.7	3455	21537
Average	1250			41.0	19.7	8.1	100	83.6	17.2	34.1	6.6	42.2	3560	28689	41.7	16.7	6.9	93	82.1	19.7	38.2	6.9	38.2	3441	23729
AVERAGE				42.5	19.8	8.4	97	82.8	17.4	34.0	6.6	42.8	3430	28767	45.7	16.8	7.6	93	81.9	17.7	34.9	6.6	42.2	3308	24992
HIGHEST				47.3	23.9	9.7	100	84.3	19.0	36.5	6.9	47.2	3717	34286	53.7	20.2	8.6	95	83.3	22.5	42.4	7.4	47.9	3522	27723
LOWEST				37.3	16.7	7.4	77	80.6	15.6	31.4	6.2	39.1	3115	24968	36.4	14.0	6.3	84	80.3	14.8	30.0	6.2	31.7	3162	21537
CV (%)				5.1	9.1	7.7	2.9	1.2	6.5	5.0	3.8	4.4	3	7	8.8	11.7	8.0	2.2	1.4	7.8	5.6	4.3	6.0	3	9
LSD (.05%)				2.6	2.1	0.8	3.4	1.2	1.3	2.0	0.3	2.3	105	2510	4.8	2.3	0.7	2.4	1.4	1.6	2.3	0.3	3.0	125	2592
2 Year AVERAGES				RM	%DM	GT/A	DT/A	%Std	%lvd	%andf	%cp	stch	MK/T	MK/A	%DM	GT/A	DT/A	%Std	%lvd	%andf	%cp	stch	MK/T	MK/A	
BECK 5283Bt 1	107			40.5	21.2	8.3*	100	81.8	19.1	35.4	6.8	42.7	3322	27722	41.3	21.6	8.6**	96	82.7	17.0	32.8	7.0	43.6	3397	29070
CORN BELT C599	109			38.3	23.8	8.8**	100	82.4	19.5	36.7	6.5	40.7	3442	30345	39.3	21.0	7.7	96	81.5	19.8	37.1	6.8	39.0	3353	25914
PIONEER 34M95	110			37.2	24.2	8.8**	100	83.9	19.9	37.6	6.5	38.3	3641	32105	37.7	22.5	8.1*	94	83.3	20.3	38.8	7.0	36.6	3589	29217
PIONEER 35Y55	106			36.2	22.2	7.9	100	84.0	18.0	34.3	7.0	41.5	3639	28776	33.4	21.5	7.1	97	82.3	21.7	40.2	7.5	33.7	3581	25323
AVERAGE				38.0	22.9	8.5	100	83.0	19.1	36.0	6.7	40.8	3511	29737	37.9	21.7	7.9	96	82.4	19.7	37.2	7.1	38.2	3480	27381
HIGHEST				40.5	24.2	8.8	100	84.0	19.9	37.6	7.0	42.7	3641	32105	41.3	22.5	8.6	97	83.3	21.7	40.2	7.5	43.6	3589	29217
LOWEST				36.2	21.2	7.9	100	81.8	18.0	34.3	6.5	38.3	3322	27722	33.4	21.0	7.1	94	81.5	17.0	32.8	6.8	33.7	3553	25323
CV (%)				4.7	4.9	2.3	6.6	2.8	3.4	5.4	0.6	6.8	3	14	6.9	5.0	2.3	6.0	2.5	3.6	5.4	0.7	6.9	3	15
LSD (.05%)				1.6	1.3	0.5	2.2	1.2	1.3	1.9	0.2	2.2	95	1787	2.5	1.3	0.5	1.9	1.0	1.3	1.9	0.2	2.2	87	1748
3 Year AVERAGES				RM	%DM	GT/A	DT/A	%Std	%lvd	%andf	%cp	stch	MK/T	MK/A	%DM	GT/A	DT/A	%Std	%lvd	%andf	%cp	stch	MK/T	MK/A	
BECK 5283Bt 1	107			40.2	22.2	8.7*	97	81.5	19.1	35.7	6.8	42.5	3332	28413	42.6	20.0	8.2**	96	82.4	17.2	33.1	7.0	43.9	3346	27064
CORN BELT C599	109			38.5	24.0	9.0*	94	82.3	18.7	35.6	6.6	41.4	3454	30440	41.8	20.0	7.9*	97	82.1	18.5	35.4	6.8	41.6	3335	25935
PIONEER 34M95	110			37.4	24.9	9.1**	99	83.1	20.1	38.2	6.6	38.1	3600	32255	39.8	20.8	8.0*	94	83.2	20.1	38.7	6.8	37.5	3551	27777
PIONEER 35Y55	106			36.3	22.4	8.0	99	83.4	18.4	35.2	7.2	40.7	3613	28437	36.9	19.4	6.9	93	82.9	20.2	38.1	7.4	36.7	3567	24194
AVERAGE				38.1	23.3	8.7	97	82.6	19.1	36.2	6.8	40.7	3500	29886	40.3	20.1	7.8	95	82.6	19.0	36.3	7.0	39.9	3450	26243
HIGHEST				40.2	24.9	9.1	99	83.4	20.1	38.2	7.2	42.5	3613	32255	42.6	20.8	8.2	97	83.2	20.2	38.7	7.4	43.9	3567	27777
LOWEST				36.3	22.2	8.0	94	81.5	18.4	35.2	6.6	38.1	3332	28413	36.9	19.4	6.9	93	82.1	17.2	33.1	6.8	36.7	3335	24194
CV (%)				5.0	4.8	2.5	7.1	2.8	3.8	5.9	0.6	7.5	3	14	6.4	4.9	2.4	9.0	2.4	3.6	5.3	0.7	6.8	3	14
LSD (.05%)				1.4	1.0	0.4	2.0	1.0	1.2	1.7	0.2	2.0	74	1560	1.9	1.0	0.4	2.5	0.8	1.1	1.5	0.2	1.8	73	1360

BRAND / HYBRID	RM	TRT	EARLY TRIAL AVERAGE									
			%DM	GT/A	DT/A	%Std	%Ivd	%adF	%ndf	%cp	stch	MK/T
GOLDEN HARVEST EX38914RR	110		44.5	18.0	7.9	97	81.6	17.0	33.3	6.5	44.7	3253
MYCOGEN TMF2M696	110	C125	45.9	17.8	8.1	95	81.2	19.0	37.1	6.6	40.4	3267
RUPP XR1810	110	C125	38.2	21.5	8.1	97	83.2	18.3	35.3	6.8	39.5	3620
RUPP XS1650	106	C125	44.0	18.6	8.2	92	80.4	19.0	36.5	6.6	40.4	3212
VIGORO V50D37	110	C125	45.3	18.1	8.0	89	82.8	17.0	33.3	6.6	43.3	3380
Average	125		43.3	19.0	8.1	94	81.9	18.3	35.5	6.6	40.9	3370
ASGROW RX702YG	110	P250	43.2	20.6	8.8*	97	82.5	16.8	33.7	6.5	42.6	3398
BECK 5283Bt1	107	P250	48.5	17.6	8.5*	96	81.8	15.7	31.3	6.6	47.5	3148
CORN BELT C599	109	P250	46.9	17.4	8.1	97	81.3	17.5	34.4	6.3	43.9	3202
DAIRYLAND DST-10832	106	P250	43.6	19.1	8.3*	96	82.3	17.9	35.0	6.4	42.1	3389
DAIRYLAND STEALTH-1514	110	P250	40.6	18.9	7.7	80	83.2	17.5	34.3	6.8	40.4	3542
DAIRYLAND STEALTH-1611	108	P250	43.6	19.1	8.3*	97	82.0	17.1	33.8	6.4	43.8	3323
DEKALB DKC58-80 (RR2/YGCB)	108	P250	46.8	16.7	7.7	97	83.0	17.8	35.0	6.5	42.1	3403
DEKALB DKC60-08 (YGCB)	110	P250	41.4	19.7	8.1	97	82.1	17.9	34.8	6.8	42.1	3422
GREAT LAKES Quad-5BRR	107	P250	48.4	15.7	7.5	97	82.2	16.2	32.3	6.5	45.8	3227
GRIES 5306	106	P250	43.8	18.9	8.2	95	82.4	18.0	34.9	6.8	41.3	3415
HIGH CYCLE HC7743YGCB	108	P250	48.5	16.8	8.1	96	82.3	16.7	32.7	6.6	44.7	3278
TRELAY 7012	105	P250	44.8	17.1	7.6	95	83.2	16.8	32.7	6.7	44.7	3395
Average	250		45.0	18.1	8.1	95	82.4	17.2	33.7	6.6	43.4	3345
PIONEER 34M95	110	P1250	42.6	18.9	8.0	95	83.4	17.9	35.9	6.5	41.2	3525
PIONEER 35D28	108	P1250	43.1	17.2	7.4	97	83.0	17.9	34.9	6.7	42.2	3466
PIONEER 35Y55	106	P1250	38.4	18.5	7.1	97	82.1	19.4	37.6	7.1	37.3	3510
Average	1250		41.4	18.2	7.5	96	82.8	18.4	36.1	6.8	40.2	3501
AVERAGE			44.1	18.3	8.0	95	82.3	17.6	34.4	6.6	42.5	3369
HIGHEST			48.5	21.5	8.8	97	83.4	19.4	37.6	7.1	47.5	3620
LOWEST			38.2	15.7	7.1	80	80.4	15.7	31.3	6.3	37.3	3148
CV (%)			7.3	10.3	7.9	2.6	1.3	7.2	5.3	4.0	5.3	3
LSD (.05%)			2.7	1.6	0.5	2.0	0.9	1.0	1.5	0.2	1.9	81

2 Year AVERAGES	RM	TRT	EARLY TRIAL AVERAGE									
			%DM	GT/A	DT/A	%Std	%Ivd	%adF	%ndf	%cp	stch	MK/T
BECK 5283Bt1	107		40.9	21.4	8.5**	98	82.2	18.0	34.1	6.9	43.2	3359
CORN BELT C599	109		38.8	22.4	8.3*	98	82.0	19.7	36.9	6.7	39.9	3398
PIONEER 34M95	110		37.4	23.3	8.5**	97	83.6	20.1	38.2	6.7	37.4	3615
PIONEER 35Y55	106		34.8	21.8	7.5	99	83.1	19.9	37.3	7.2	37.6	3610
AVERAGE			38.0	22.3	8.2	98	82.7	19.4	36.6	6.9	39.5	3496
HIGHEST			40.9	23.3	8.5	99	83.6	20.1	38.2	7.2	43.2	3615
LOWEST			34.8	21.4	7.5	97	82.0	18.0	34.1	6.7	37.4	3359
CV (%)			6.0	5.0	2.3	5.9	3.6	4.6	6.8	0.7	6.8	3
LSD (.05%)			1.5	0.9	0.3	1.4	0.8	0.9	1.4	0.2	1.6	64

3 Year AVERAGES	RM	TRT	EARLY TRIAL AVERAGE									
			%DM	GT/A	DT/A	%Std	%Ivd	%adF	%ndf	%cp	stch	MK/T
BECK 5283Bt1	107		41.4	21.1	8.5*	96	81.9	18.1	34.4	6.9	43.2	3339
CORN BELT C599	109		40.2	22.0	8.5*	95	82.2	18.6	35.5	6.7	41.5	3395
PIONEER 34M95	110		38.6	22.8	8.6**	97	83.1	20.1	38.5	6.7	37.8	3575
PIONEER 35Y55	106		36.6	20.9	7.5	96	83.1	19.3	36.6	7.3	38.7	3590
AVERAGE			39.2	21.7	8.2	96	82.6	19.0	36.3	6.9	40.3	3475
HIGHEST			41.4	22.8	8.6	97	83.1	20.1	38.5	7.3	43.2	3590
LOWEST			36.6	20.9	7.5	95	81.9	18.1	34.4	6.7*	37.8	3339
CV (%)			5.8	4.9	2.5	7.6	3.4	4.8	7.0	0.6	7.1	3
LSD (.05%)			1.2	0.7	0.3	1.6	0.6	0.8	1.1	0.1	1.3	52

** Highest Yielding Hybrid in DT/A
* Not Significantly Different from Highest Yielding Hybrid

2004				BRANCH - Late										LENAWEE - Late															
RM	TRT	Brand / Hybrid		%DM	GT/A	DT/A	%Std	%ivd	%adf	%ndf	%cp	stch	MK/T	MK/A	%DM	GT/A	DT/A	%Std	%ivd	%adf	%ndf	%cp	stch	MK/T	MK/A				
119		GARST 8200YG1		37.4	22.7	8.5	97	79.9	19.5	36.8	6.8	39.3	3347	28456	42.0	19.9	8.2*	98	80.2	22.4	42.1	6.4	32.4	3297	27016				
115		GOLDEN HARVEST H-9461		39.6	20.4	8.1	100	82.3	18.9	35.4	6.4	41.8	3504	28292	37.3	20.6	7.7*	99	82.0	20.8	38.7	6.6	37.1	3488	26829				
112		PARTNERS BRAND 620		40.0	22.4	9.0	92	82.4	17.8	34.2	6.8	41.1	3488	31319	43.0	18.7	7.8*	92	82.4	20.0	40.1	6.9	33.2	3479	27259				
112		SPANGLER LFT61		45.6	17.3	7.9	100	81.5	17.8	33.7	6.5	44.5	3215	25244	38.3	20.5	7.8*	98	81.0	22.3	42.0	6.6	32.1	3441	26963				
Average				40.7	20.7	8.4	97	81.5	18.5	35.0	6.6	41.7	3388	28328	40.1	19.9	7.9	97	81.4	21.4	40.7	6.6	33.7	3426	27017				
115	C125	MYCOGEN F2F797		38.8	20.0	7.8	100	84.2	17.5	35.4	6.6	42.5	3711	28747	41.9	18.1	7.4*	100	84.9	18.5	37.6	5.8	38.7	3676	27429				
113	C125	MYCOGEN TMF2M741		43.6	17.8	7.8	100	79.9	21.0	39.8	6.2	38.8	3230	25047	40.7	19.0	7.6*	100	82.9	18.9	37.0	6.2	39.2	3495	26702				
111	C125	VIGORO V5240		44.9	20.0	9.0	99	81.4	18.6	34.7	6.1	43.1	3250	29181	43.6	16.3	7.0	89	82.9	18.6	37.1	6.9	37.9	3484	24329				
Average			125	42.4	19.3	8.2	100	81.8	19.0	36.6	6.3	41.4	3397	27658	42.1	17.8	7.3	96	83.6	18.7	37.2	6.3	38.6	3552	26154				
111	P250	DAIRYLAND STEALTH-1615		42.8	19.9	8.5	100	84.4	16.0	31.0	5.9	47.4	3530	29979	39.8	16.1	6.4	98	83.9	19.5	38.3	6.8	35.7	3635	23243				
111	P250	DEKALB DKC61-50		49.0	16.8	8.2	100	82.5	15.8	30.8	6.4	47.4	3191	26160	42.1	18.7	7.9*	100	82.4	18.1	36.7	6.4	40.1	3408	26788				
113	P250	GARST 8362IT		39.0	20.7	8.0	100	83.2	16.9	32.4	6.9	43.0	3562	28583	41.7	19.2	8.0*	100	81.5	19.9	39.5	6.3	38.1	3375	26885				
113	P250	RUPP XS1904		42.4	20.0	8.5	85	82.6	17.2	32.9	6.2	44.6	3416	28944	37.9	17.1	6.6	92	82.5	20.5	38.5	6.6	37.7	3532	23173				
Average			250	43.3	19.3	8.3	96	83.1	16.5	31.8	6.3	45.6	3425	28416	40.4	17.8	7.2	97	82.6	19.5	38.2	6.5	37.9	3487	25022				
117	C1250	NK Brand N82-A7		40.0	22.9	9.1*	97	81.3	19.7	36.2	6.4	40.7	3409	30840	38.4	20.3	7.8*	92	81.9	21.7	40.7	6.4	34.1	3517	27446				
120	C1250	NK Brand N91-R9		32.2	29.7	9.6**	100	78.4	24.7	45.1	7.0	31.2	3319	31685	33.8	23.2	7.8*	98	81.1	24.8	45.6	6.3	26.7	3466	26958				
113	P1250	PIONEER 33A84		41.4	21.0	8.7	98	82.8	16.8	32.4	6.7	44.6	3454	30041	44.7	18.9	8.4**	99	82.6	16.7	33.5	6.7	41.9	3299	27836				
115	P1250	PIONEER 33J56		40.6	21.8	8.8	99	82.2	16.7	32.0	7.2	45.2	3410	30096	44.5	18.8	8.2*	97	81.5	17.9	35.7	7.1	40.4	3267	26736				
Average			1250	38.6	23.9	9.1	98	81.2	19.5	36.4	6.8	40.4	3398	30665	40.3	20.3	8.1	97	81.8	20.3	38.9	6.6	35.8	3387	27244				
AVERAGE				41.2	20.9	8.5	98	81.9	18.3	34.9	6.5	42.3	3402	28841	40.6	19.0	7.6	97	82.2	20.0	38.9	6.5	36.4	3457	26373				
HIGHEST				49.0	29.7	9.6	100	84.4	24.7	45.1	7.2	47.4	3711	31685	44.7	23.2	8.4	100	84.9	24.8	45.6	7.1	41.9	3676	27836				
LOWEST				32.2	16.8	7.8	85	78.4	15.8	30.8	5.9	31.2	3191	25047	33.8	16.1	6.4	89	80.2	16.7	33.5	5.8	26.7	3267	23173				
CV (%)				5.1	6.8	4.9	2.4	1.0	6.0	5.0	3.6	5.3	2	5	10.1	13.8	14.2	3.5	1.1	5.9	4.8	4.0	5.5	3	15				
LSD (.05%)				2.5	1.7	0.5	2.8	1.0	1.3	2.1	0.3	2.7	86	1770	4.9	3.1	1.3	4.1	1.1	1.4	2.2	0.3	2.4	136	4563				
2 Year AVERAGES				RM				%DM	GT/A	DT/A	%Std	%ivd	%adf	%ndf	%cp	stch	MK/T	MK/A	%DM	GT/A	DT/A	%Std	%ivd	%adf	%ndf	%cp	stch	MK/T	MK/A
GARST 8362IT				113				36.3	22.1	8.0	100	82.2	18.8	35.3	7.1	40.1	3531	28114	37.0	22.3	8.1*	99	82.2	20.0	38.3	6.9	37.4	3484	28278
NK Brand N91-R9				120				30.3	31.5	9.5**	100	77.1	26.6	47.0	7.1	28.7	3209	30581	30.3	29.5	8.7**	99	79.7	26.3	47.0	7.1	25.6	3369	29115
PIONEER 33J56				115				37.6	24.4	9.1	99	82.4	17.9	33.7	7.1	43.4	3504	31917	37.5	23.4	8.4*	98	82.4	19.3	37.2	7.7	37.4	3452	28911
AVERAGE								34.7	26.0	8.9	100	80.6	21.1	38.7	7.1	37.4	3415	30204	34.9	25.1	8.4	99	81.4	21.9	40.8	7.2	33.5	3435	28768
HIGHEST								37.6	31.5	9.5	100	82.4	26.6	47.0	7.1	43.4	3531	31917	37.5	29.5	8.7	99	82.4	26.3	47.0	7.7	37.4	3484	29115
LOWEST								30.3	22.1	8.0	99	77.1	17.9	33.7	7.1	28.7	3209	28114	30.3	22.3	8.1	98	79.7	19.3	37.2	6.9	25.6	3369	28278
CV (%)								4.9	4.0	1.6	5.2	2.9	4.0	6.0	0.7	7.8	3	11	8.1	7.0	3.8	7.6	2.6	4.1	6.1	0.7	7.0	3	22
LSD (.05%)								1.6	1.1	0.3	1.8	1.2	1.5	2.2	0.2	2.5	91	1397	2.6	1.8	0.7	2.5	1.1	1.5	2.2	0.2	2.3	94	2709
3 Year AVERAGES				RM				%DM	GT/A	DT/A	%Std	%ivd	%adf	%ndf	%cp	stch	MK/T	MK/A	%DM	GT/A	DT/A	%Std	%ivd	%adf	%ndf	%cp	stch	MK/T	MK/A
GARST 8362IT				113				37.0	23.2	8.5	98	82.4	18.3	34.5	7.2	40.7	3529	29447	38.6	20.4	7.7*	97	82.7	19.0	36.7	7.0	39.1	3488	26421
PIONEER 33J56				115				38.6	24.9	9.7**	99	82.2	18.3	34.3	7.1	42.6	3480	32576	38.2	22.0	8.1**	98	82.4	19.3	37.0	7.6	37.8	3465	27511
AVERAGE								37.8	24.1	9.1	99	82.3	18.3	34.4	7.1	41.7	3504	31011	38.4	21.2	7.9	97	82.5	19.2	36.8	7.3	38.5	3477	26966
HIGHEST								38.6	24.9	9.7	99	82.4	18.3	34.5	7.2	42.6	3529	32576	38.6	22.0	8.1	98	82.7	19.3	37.0	7.6	39.1	3488	27511
LOWEST								37.0	23.2	8.5	98	82.2	18.3	34.3	7.1	40.7	3480	29447	38.2	20.4	7.7	97	82.4	19.0	36.7	7.0	37.8	3465	26421
CV (%)								5.3	4.7	2.1	8.5	2.7	4.1	6.1	0.7	7.8	3	11	8.0	6.5	3.5	11.3	2.5	4.9	7.1	0.8	9.9	3	19
LSD (.05%)								1.4	1.0	0.3	2.4	0.9	1.3	1.8	0.2	2.1	67	1271	2.1	1.3	0.5	3.1	0.9	1.5	2.1	0.2	2.6	81	1935

** Highest Yielding Hybrid in DT/A
* Not Significantly Different from Highest Yielding Hybrid

2004		LATE TRIAL AVERAGE										
BRAND / HYBRID	RM	TRT	%DM	GT/A	DT/A	%Std	%ivd	%adf	%ndf	%cp	strch	MK/T
GARST 8200YG1	119		39.7	21.3	8.3*	98	80.0	20.9	39.4	6.6	35.8	3322
GOLDEN HARVEST H-9461	115		38.5	20.5	7.9	99	82.2	19.8	37.0	6.5	39.5	3496
PARTNERS BRAND 620	112		41.5	20.5	8.4*	92	82.4	18.9	37.1	6.8	37.1	3483
SPANGLER LFT61	112		41.9	18.9	7.8	99	81.2	20.1	37.8	6.6	38.3	3328
Average			40.4	20.3	8.1	97	81.5	19.9	37.9	6.6	37.7	3407
MYCOGEN F2F797	115	C125	40.4	19.0	7.6	100	84.6	18.0	36.5	6.2	40.6	3693
MYCOGEN TME2M741	113	C125	42.1	18.4	7.7	100	81.4	20.0	38.4	6.2	39.0	3362
VIGORO V5240	111	C125	44.3	18.1	8.0*	94	82.1	18.6	35.9	6.5	40.5	3367
Average		125	42.3	18.5	7.8	98	82.7	18.8	36.9	6.3	40.0	3474
DAIRYLAND STEALTH-1615	111	P250	41.3	18.0	7.5	99	84.1	17.7	34.6	6.3	41.5	3582
DEKALB DKC61-50	111	P250	45.5	17.7	8.0*	100	82.4	16.9	33.8	6.4	43.8	3299
GARST 8362IT	113	P250	40.4	19.9	8.0*	100	82.3	18.4	36.0	6.6	40.6	3468
RUPP XS1904	113	P250	40.1	18.6	7.5	88	82.6	18.9	35.7	6.4	41.1	3474
Average		250	41.8	18.5	7.8	97	82.8	18.0	35.0	6.4	41.7	3456
NK Brand N82-A7	117	C1250	39.2	21.6	8.4*	95	81.6	20.7	38.5	6.4	37.4	3463
NK Brand N91-R9	120	C1250	33.0	26.4	8.7**	99	79.7	24.7	45.3	6.6	28.9	3393
PIONEER 33A84	113	P1250	43.0	20.0	8.6*	99	82.7	16.7	32.9	6.7	43.3	3377
PIONEER 33J56	115	P1250	42.6	20.3	8.5*	98	81.9	17.3	33.9	7.1	42.8	3338
Average		1250	39.4	22.1	8.6	98	81.5	19.9	37.6	6.7	38.1	3393
AVERAGE			40.9	20.0	8.1	97	82.1	19.2	36.9	6.5	39.3	3430
HIGHEST			45.5	26.4	8.7	100	84.6	24.7	45.3	7.1	43.8	3693
LOWEST			33.0	17.7	7.5	88	79.7	16.7	32.9	6.2	28.9	3299
CV (%)			8.0	10.6	10.2	3.0	1.0	6.0	4.9	3.8	5.4	3
LSD (.05%)			2.7	1.8	0.7	2.4	0.7	1.0	1.5	0.2	1.8	80

2 Year AVERAGES		LATE TRIAL AVERAGE										
BRAND / HYBRID	RM	TRT	%DM	GT/A	DT/A	%Std	%ivd	%adf	%ndf	%cp	strch	MK/T
GARST 8362IT	113		36.7	22.2	8.0	99	82.2	19.4	36.8	7.0	38.7	3507
NK Brand N91-R9	120		30.3	30.5	9.1**	99	78.4	26.5	47.0	7.1	27.2	3289
PIONEER 33J56	115		37.5	23.9	8.7*	99	82.4	18.6	35.4	7.4	40.4	3478
AVERAGE			34.8	25.6	8.6	99	81.0	21.5	39.7	7.2	35.4	3425
HIGHEST			37.5	30.5	9.1	99	82.4	26.5	47.0	7.4	40.4	3507
LOWEST			30.3	22.2	8.0	99	78.4	18.6	35.4	7.0	27.2	3289
CV (%)			6.7	5.7	2.9	6.5	2.8	4.1	6.1	0.7	7.4	3
LSD (.05%)			1.5	1.0	0.4	1.5	0.8	1.1	1.6	0.2	1.7	65

3 Year AVERAGES		LATE TRIAL AVERAGE										
BRAND / HYBRID	RM	TRT	%DM	GT/A	DT/A	%Std	%ivd	%adf	%ndf	%cp	strch	MK/T
GARST 8362IT	113		37.8	21.8	8.1	98	82.5	18.7	35.6	7.1	39.9	3508
PIONEER 33J56	115		38.4	23.5	8.9**	98	82.3	18.8	35.6	7.3	40.2	3473
AVERAGE			38.1	22.6	8.5	98	82.4	18.8	35.6	7.2	40.1	3491
HIGHEST			38.4	23.5	8.9	98	82.5	18.8	35.6	7.3	40.2	3508
LOWEST			37.8	21.8	8.1	98	82.3	18.7	35.6	7.1	39.9	3473
CV (%)			6.8	5.6	2.8	9.7	2.6	4.5	6.6	0.8	8.9	3
LSD (.05%)			1.3	0.8	0.3	1.9	0.6	1.0	1.4	0.1	1.7	52

** Highest Yielding Hybrid in DT/A

* Not Significantly Different from Highest Yielding Hybrid

TABLE 8E.

HURON, INGHAM & KENT COUNTY SILAGE TRIALS - EARLY (104 Day and Earlier)

ZONE 2

2004

2004			KENT - Early										INGHAM - Early											
Brand / Hybrid	RM	TRT	%DM	GT/A	DT/A	%Std	%Ivd	%ndf	%cp	stch	MK/T	MK/A	%DM	GT/A	DT/A	%Std	%Ivd	%ndf	%cp	stch	MK/T	MK/A		
GOLDEN HARVEST H-7298RR	98		38.5	23.7	9.1*	100	81.0	20.2	36.9	7.2	40.4	3395	30891	41.8	22.1	9.2	99	82.7	17.3	33.4	6.7	42.2	3432	
			36.8	22.6	8.3	100	81.7	19.2	36.0	8.3	38.2	3488	28967	41.9	21.5	9.0	97	81.8	18.4	34.1	6.8	41.9	3353	
			42.9	21.1	9.0*	100	82.9	18.4	35.2	7.4	39.6	3441	30940	44.1	21.4	9.4*	100	83.3	17.5	33.6	6.0	42.6	32196	
			Average	39.4	22.5	8.8	100	81.9	19.3	36.0	7.6	39.4	3441	30266	42.6	21.6	9.2	98	82.6	17.7	33.7	6.5	42.2	31316
MYCOGEN F2F444	98	C125	32.7	21.3	6.9	100	84.9	19.0	37.5	8.2	32.3	3744	25938	37.9	20.7	7.8	100	85.6	17.6	34.5	7.3	37.5	29504	
DAIRYLAND HI DF-4200	101	P250	35.7	23.9	8.5	100	84.3	17.5	32.9	7.6	42.5	3715	31522	37.5	23.6	8.8	100	84.7	16.6	32.1	6.8	43.3	32606	
DAIRYLAND STEALTH-1503	100	P250	38.7	21.7	8.4	100	82.6	19.4	36.0	7.1	40.4	3539	29740	38.2	25.4	9.7*	100	82.6	19.0	34.7	6.1	42.9	3551	
DAIRYLAND STEALTH-1598	98	P250	42.2	21.9	9.2*	99	82.1	18.4	34.5	7.4	41.2	3359	30900	43.1	22.7	9.7*	100	83.4	16.4	31.5	6.8	44.2	3436	
DEKALB DKC47-10 (RR2YGCB)	97	P250	37.3	22.5	8.4	100	82.6	19.0	35.8	7.5	43.1	3547	29939	47.7	18.9	9.0	100	85.7	13.5	27.5	6.1	50.6	3442	
DEKALB DKC50-20 (RR2YGCB)	100	P250	37.8	22.5	8.5	100	82.1	19.8	36.5	7.6	39.8	3491	29897	41.7	21.3	8.9	100	84.4	17.2	33.0	6.3	43.5	3597	
DEKALB DKC53-34 (RR2YGCB)	103	P250	41.3	22.1	9.1*	100	82.8	18.9	37.0	7.5	39.6	3499	31768	42.1	20.5	8.5	100	83.7	18.0	34.2	6.5	43.1	3546	
GREAT LAKES 5088Bt	100	P250	39.1	21.9	8.5	100	84.1	16.9	32.5	7.7	43.0	3612	30628	40.3	21.2	8.5	100	84.4	16.0	31.0	6.8	44.8	3612	
HYLAND SEEDS HLS058	102	P250	35.6	25.5	9.1*	95	81.5	21.8	39.5	7.5	34.1	3515	31896	35.8	27.1	9.7*	96	81.4	21.2	39.1	6.1	36.2	3517	
HYLAND SEEDS HLS067	104	P250	35.9	23.2	8.3	95	81.7	21.5	40.3	8.1	33.8	3531	29122	37.0	25.2	9.3	91	81.1	21.4	39.5	6.1	36.6	3468	
Average	250		37.6	22.6	8.5	99	82.9	19.2	36.2	7.6	39.0	3555	30115	40.4	22.9	9.1	98	83.5	17.7	33.6	6.4	42.8	32257	
GENESIS 2D97RRYGCB	97	C1250	40.0	22.1	8.8*	100	80.7	21.5	38.8	7.1	38.4	3358	29801	40.0	23.5	9.4*	100	82.1	19.2	35.4	6.7	40.1	3458	
NK Brand N33-H6	100	C1250	38.7	21.5	8.4	100	80.5	21.0	38.4	7.8	35.7	3359	28056	38.3	24.9	9.5*	100	81.4	19.3	35.3	6.4	41.5	3440	
NK Brand N43-C4	98	C1250	43.5	20.7	9.0*	100	84.3	16.2	31.8	7.5	45.0	3490	31478	41.4	21.6	9.0	100	83.2	17.6	32.6	6.5	44.6	3480	
PIONEER 36N71	103	P1250	36.8	22.5	8.3	99	81.9	22.3	41.1	8.1	31.7	3554	29425	40.2	22.9	9.2	100	82.4	18.6	35.5	6.9	39.0	3483	
PIONEER 37A91	96	P1250	42.0	21.1	8.9*	100	83.1	17.3	33.7	8.1	41.3	3450	30616	45.5	20.9	9.1	99	84.5	15.0	30.2	6.5	46.2	3438	
PIONEER 37F16	98	P1250	37.5	22.9	8.6	99	81.8	19.7	36.5	7.8	38.6	3486	29868	43.3	20.6	8.9	100	83.8	16.2	32.2	6.9	43.9	3473	
PIONEER 37K84	100	P1250	40.0	23.6	9.4**	100	83.4	16.6	32.3	7.7	42.2	3515	32882	43.6	22.5	9.8**	100	82.3	17.4	33.7	6.4	43.0	3342	
Average	1250		39.8	22.1	8.8	100	82.2	19.2	36.1	7.7	39.0	3459	30275	41.7	22.3	9.3	100	82.8	17.6	33.5	6.6	42.6	3445	
AVERAGE			38.6	22.4	8.6	99	82.5	19.2	36.2	7.7	39.0	3504	30194	41.1	22.4	9.1	99	83.2	17.7	33.6	6.5	42.4	3501	
HIGHEST			43.5	25.5	9.4	100	84.9	22.3	41.1	8.3	45.0	3744	32882	47.7	27.1	9.8	100	85.7	21.4	39.5	7.3	50.6	3795	
LOWEST			32.7	20.7	6.9	95	80.5	16.2	31.8	7.1	31.7	3358	25938	35.8	18.9	7.8	91	81.1	13.5	27.5	6.0	36.2	3342	
CV (%)			5.6	8.5	6.1	2.5	1.4	6.7	5.3	3.9	5.5	3	7	5.7	6.3	3.6	1.9	0.8	6.1	4.4	4.5	4.5	2	4
LSD (.05%)			2.6	2.3	0.6	3.0	1.4	1.5	2.3	0.4	2.5	114	2442	2.8	1.7	0.4	2.3	0.8	1.3	1.7	0.3	2.2	99	1571

2 Year AVERAGES			KENT - Early										INGHAM - Early											
Brand / Hybrid	RM	TRT	%DM	GT/A	DT/A	%Std	%Ivd	%ndf	%cp	stch	MK/T	MK/A	%DM	GT/A	DT/A	%Std	%Ivd	%ndf	%cp	stch	MK/T	MK/A		
DAIRYLAND STEALTH-1598	98		40.6	20.7	8.4*	90	83.9	17.4	33.1	7.2	42.1	3543	29660	40.1	22.1	8.8**	94	83.7	18.7	34.6	6.8	40.9	3536	
DEKALB DKC53-34 (RR2YGCB)	103		38.7	22.4	8.6*	99	83.7	19.2	36.9	7.3	38.5	3614	31143	40.9	19.4	7.9	100	84.1	19.6	36.7	6.5	40.6	3602	
HYLAND SEEDS HLS058	102		33.8	25.6	8.7**	92	82.1	22.2	40.2	7.2	32.2	3530	30563	33.9	23.7	8.1	95	82.5	23.4	41.9	6.4	30.9	3534	
NK Brand N43-C4	98		40.4	21.0	8.5*	94	85.2	16.8	32.7	7.2	43.0	3652	30898	39.7	21.0	8.3	99	83.6	19.2	35.2	6.7	41.3	3564	
AVERAGE			38.4	22.4	8.5	94	83.7	18.9	35.7	7.3	39.0	3585	30566	38.6	21.5	8.3	97	83.5	20.2	37.1	6.6	38.4	3559	
HIGHEST			40.6	25.6	8.7	99	85.2	22.2	40.2	7.3	43.0	3652	31143	40.9	23.7	8.8	100	84.1	23.4	41.9	6.8	41.3	3602	
LOWEST			33.8	20.7	8.4	90	82.1	16.8	32.7	7.2	32.2	3530	29660	33.9	19.4	7.9	94	82.5	18.7	34.6	6.4	30.9	3534	
CV (%)			5.0	4.9	2.2	11.6	2.6	3.8	5.8	0.7	7.3	27	74	4.9	5.9	2.2	11.2	2.2	3.4	5.1	0.8	6.4	27	73
LSD (.05%)			1.6	1.3	0.4	3.9	1.1	1.4	2.1	0.2	2.4	81	1785	1.6	1.5	0.4	3.8	0.9	1.3	1.8	0.3	2.1	81	1804

3 Year AVERAGES			KENT - Early										INGHAM - Early											
Brand / Hybrid	RM	TRT	%DM	GT/A	DT/A	%Std	%Ivd	%ndf	%cp	stch	MK/T	MK/A	%DM	GT/A	DT/A	%Std	%Ivd	%ndf	%cp	stch	MK/T	MK/A		
DAIRYLAND STEALTH-1598	98		42.8	18.7	7.9*	92	82.8	18.0	34.4	7.3	42.4	3415	26544	40.5	20.8	8.4**	93	83.2	18.7	34.9	7.0	41.4	3493	
HYLAND SEEDS HLS058	102		34.2	23.4	8.0**	94	81.6	22.4	40.8	7.2	31.8	3506	27575	34.0	23.1	7.9	94	81.9	23.3	41.8	6.8	31.7	3511	
AVERAGE			38.5	21.1	7.9	93	82.2	20.2	37.6	7.2	37.1	3460	27060	37.2	21.9	8.1	93	82.6	21.0	38.4	6.9	36.6	3502	
HIGHEST			42.8	23.4	8.0	94	82.8	22.4	40.8	7.3	42.4	3506	27575	40.5	23.1	8.4	94	83.2	23.3	41.8	7.0	41.4	3511	
LOWEST			34.2	18.7	7.9	92	81.6	18.0	34.4	7.2	31.8	3415	26544	34.0	20.8	7.9	93	81.9	18.7	34.9	6.8	31.7	3493	
CV (%)			5.3	4.5	2.0	9.8	2.6	3.9	6.0	0.7	7.6	26	63	5.1	5.3	2.1	11.4	11.7	3.6	5.5	0.8	10.3	26	64
LSD (.05%)			1.4	0.9	0.3	2.7	0.9	1.2	1.8	0.2	2.0	68	1280	1.4	1.1	0.3	3.2	4.0	1.1	1.6	0.2	2.7	67	1352

Brand / Hybrid	RM	TRT	%DM	GT/A	DT/A	%Std	%lvd	%adff	%ndf	%cp	stch	MK/T	MK/A
GOLDEN HARVEST H-7298RR	98		37.1	19.8	7.3*	100	81.4	21.3	39.6	6.3	35.5	3456	25313
GOLDEN HARVEST H-8124RR	104		36.4	19.6	7.2	99	82.2	21.4	40.6	6.7	33.6	3556	25425
SPANGLER LFT33R	98		38.9	17.0	6.6	100	82.1	21.8	40.9	6.3	33.4	3500	22997
Average			37.5	18.8	7.0	100	81.9	21.5	40.4	6.4	34.2	3504	24578
MYCOGEN F2F444	98	C125	34.0	18.8	6.4	100	87.3	18.9	38.6	6.7	32.1	3915	24954
DAIRYLAND HI DF-4200	101	P250	34.2	21.9	7.5*	98	82.5	21.3	40.9	6.4	32.9	3587	26828
DAIRYLAND STEALTH-1503	100	P250	37.3	20.5	7.6*	99	81.5	22.2	41.4	5.8	36.1	3476	26500
DAIRYLAND STEALTH-1598	98	P250	38.5	18.6	7.1	100	82.6	20.1	37.9	6.5	37.8	3528	25141
DEKALB DKC47-10 (RR2/YGCB)	97	P250	36.4	19.0	6.9	100	83.0	20.9	40.2	6.6	34.2	3615	25035
DEKALB DKC50-20 (RR2/YGCB)	100	P250	35.6	19.3	6.9	100	83.4	20.3	38.7	6.5	35.7	3653	25115
DEKALB DKC53-34 (RR2/YGCB)	103	P250	39.5	18.9	7.4*	100	84.8	19.1	38.6	6.2	37.9	3717	27606
GREAT LAKES 5088Bt	100	P250	35.9	18.6	6.7	100	82.9	20.4	38.6	6.9	36.2	3601	23949
HYLAND SEEDS HLS058	102	P250	33.4	22.7	7.6*	100	82.1	24.9	45.7	6.2	26.4	3527	28697
HYLAND SEEDS HLS067	104	P250	34.2	21.8	7.4*	100	80.7	24.2	44.6	6.3	26.6	3332	24569
Average			36.1	20.1	7.2	100	82.6	21.5	40.7	6.4	33.8	3560	25715
GENESIS 2D97RRYGCB	97	C1250	38.2	19.6	7.5*	100	81.0	20.6	39.3	6.5	36.8	3395	25370
NK Brand N33-H6	100	C1250	38.6	20.0	7.7**	99	81.4	21.1	39.6	6.4	35.4	3424	26247
NK Brand N43-C4	98	C1250	35.4	19.6	6.9	99	83.4	20.6	38.5	6.3	36.2	3638	25101
PIONEER 36N71	103	P1250	37.9	19.0	7.2	100	83.4	20.2	38.7	6.5	36.4	3630	26147
PIONEER 37A91	96	P1250	44.4	16.5	7.3*	100	84.1	17.0	34.0	6.6	42.1	3442	25125
PIONEER 37F16	98	P1250	41.7	18.2	7.6*	99	82.8	19.4	37.8	6.4	38.7	3454	26262
PIONEER 37K84	100	P1250	39.2	19.1	7.5*	100	82.1	20.0	39.2	6.2	37.4	3472	26042
Average			39.4	18.9	7.4	100	82.6	19.8	38.2	6.4	37.6	3493	25756
AVERAGE			37.3	19.4	7.2	100	82.7	20.8	39.7	6.4	35.1	3546	25521
HIGHEST			44.4	22.7	7.7	100	87.3	24.9	45.7	6.9	42.1	3915	27606
LOWEST			33.4	16.5	6.4	98	80.7	17.0	34.0	5.8	26.4	3332	22997
CV (%)			4.4	5.3	4.5	1.3	1.0	4.5	3.3	4.0	5.0	3	5
LSD (.05%)			1.9	1.2	0.4	1.6	1.0	1.1	1.5	0.3	2.1	106	1532

2 Year Averages														RM							
%DM	GT/A	DT/A	%Std	%lvd	%adff	%ndff	%cp	stch	MK/T	MK/A	%DM	GT/A	DT/A	%Std	%lvd	%adff	%ndff	%cp	stch	MK/T	MK/A
39.0	17.9	7.0 *	96	81.1	21.5	39.9	6.7	37.4	3402	23750	39.9	20.2	8.1**	93	82.9	19.2	35.9	6.9	40.1	3494	28160
38.1	19.0	7.2**	100	82.8	21.3	41.1	6.4	36.4	3590	25925	39.2	20.3	7.9 *	100	83.5	20.0	38.2	6.7	38.5	3602	28468
32.3	21.8	7.0 *	99	80.7	25.8	46.8	6.4	25.9	3435	24221	33.3	23.7	7.9 *	95	81.8	23.8	42.9	6.7	29.7	3500	27778
36.3	19.4	7.0 *	98	82.8	20.7	38.6	6.5	37.8	3597	25237	38.8	20.5	7.9 *	97	83.9	18.9	35.5	6.8	40.7	3604	28596
36.4	19.5	7.1	98	81.9	22.3	41.6	6.5	34.4	3506	24783	37.8	21.2	8.0	96	83.0	20.5	38.1	6.8	37.2	3550	28251
39.0	21.8	7.2	100	82.8	25.8	46.8	6.7	37.8	3597	25925	39.9	23.7	8.1	100	83.9	23.8	42.9	6.9	40.7	3604	28596
32.3	17.9	7.0	96	80.7	20.7	38.6	6.4	25.9	3402	23750	33.3	20.2	7.9	93	81.8	18.9	35.5	6.7	29.7	3494	27778
4.5	3.6	1.5	4.9	3.3	4.4	6.5	0.7	8.1	35	60	4.8	5.0	2.0	9.8	2.7	3.9	5.8	0.8	7.3	30	71
1.4	0.9	0.3	1.6	1.3	1.6	2.4	0.2	2.6	105	1236	0.9	0.7	0.2	1.9	0.6	0.8	1.2	0.1	1.4	52	936
LSD (.05%)																					

3 Year Averages														RM							
%DM	GT/A	DT/A	%Std	%lvd	%adff	%ndff	%cp	stch	MK/T	MK/A	%DM	GT/A	DT/A	%Std	%lvd	%adff	%ndff	%cp	stch	MK/T	MK/A
40.5	18.7	7.6 *	96	81.6	20.2	37.8	6.6	40.3	3387	25023	41.3	19.4	7.9**	94	82.5	19.0	35.7	7.0	41.4	3432	26746
34.2	22.4	7.7**	99	81.1	24.2	44.2	6.2	29.8	3464	26033	34.1	23.0	7.9**	96	81.5	23.3	42.3	6.7	31.1	3494	26917
AVERAGE																					
37.3	20.6	7.6	97	81.4	22.2	41.0	6.4	35.1	3425	25528	37.7	21.2	7.9	95	82.0	21.1	39.0	6.8	36.2	3463	26831
HIGHEST																					
40.5	22.4	7.7	99	81.6	24.2	44.2	6.6	40.3	3464	26033	41.3	23.0	7.9	96	82.5	23.3	42.3	7.0	41.4	3494	26917
LOWEST																					
34.2	18.7	7.6	96	81.1	20.2	37.8	6.2	29.8	3387	25023	34.1	19.4	7.9	94	81.5	19.0	35.7	6.7	31.1	3432	26746
CV (%)																					
4.5	3.7	1.8	5.9	3.0	4.2	6.2	0.8	7.7	29	57	5.0	4.6	2.0	9.4	2.7	3.9	5.9	0.8	7.5	27	62
LSD (.05%)																					
1.1	0.7	0.3	1.6	1.0	1.3	1.8	0.2	2.0	76	1028	0.8	0.5	0.2	1.5	0.5	0.7	1.0	0.1	1.1	40	706

TABLE 8L. HURON, INGHAM & KENT COUNTY SILAGE TRIALS - LATE (105 Day and Later) ZONE 2

2004														KENT - Late														INGHAM - Late																		
Brand / Hybrid	RM	TRT	%DM	GT/A	DT/A	%Std	%Ivd	%adff	%ndff	%cp	stch	MK/T	MK/A	%DM	GT/A	DT/A	%Std	%Ivd	%adff	%ndff	%cp	stch	MK/T	MK/A	%DM	GT/A	DT/A	%Std	%Ivd	%adff	%ndff	%cp	stch	MK/T	MK/A											
GOLDEN HARVEST EX38914RR	110		39.4	23.2	9.1	100	81.1	20.5	39.0	7.3	36.6	3406	31031	40.7	23.7	9.6	100	81.0	19.3	37.0	6.3	39.9	3365	32385	40.7	23.7	9.6	100	81.0	19.3	37.0	6.3	39.9	3365	32385											
	105		41.1	24.3	10.0*	100	81.4	19.1	37.1	7.4	36.6	3382	33740	39.9	25.4	10.1*	100	80.9	20.6	37.6	6.1	36.6	3392	34250	39.9	25.4	10.1*	100	80.9	20.6	37.6	6.1	36.6	3392	34250											
	Average			40.2	23.8	10.0	100	81.3	19.8	38.0	7.3	36.6	3394	32386	40.3	24.5	9.9	100	80.9	19.9	37.3	6.2	38.2	3378	33317	40.3	24.5	9.9	100	80.9	19.9	37.3	6.2	38.2	3378	33317										
MYCOGEN TMF2M696	110	C125	41.2	25.0	10.3*	100	80.1	21.6	40.5	7.3	34.1	3297	33956	43.9	23.4	10.3*	100	81.1	18.8	35.5	6.0	40.9	3264	33445	43.9	23.4	10.3*	100	81.1	18.8	35.5	6.0	40.9	3264	33445											
	106	C125	38.9	23.5	9.1	98	79.0	21.9	40.8	7.3	33.9	3260	29746	42.5	24.2	10.2*	99	81.2	18.2	34.9	6.4	40.5	3304	33785	42.5	24.2	10.2*	99	81.2	18.2	34.9	6.4	40.5	3304	33785											
	111	C125	37.6	24.9	9.4	97	81.1	21.6	40.3	7.1	31.4	3430	32154	38.6	26.8	10.3*	96	80.6	21.6	39.7	5.9	35.9	3422	35342	38.6	26.8	10.3*	96	80.6	21.6	39.7	5.9	35.9	3422	35342											
Average	125		39.2	24.5	9.6	98	80.1	21.7	40.5	7.2	33.1	3329	31952	41.7	24.8	10.3	99	81.0	19.5	36.7	6.1	39.1	3330	34191	41.7	24.8	10.3	99	81.0	19.5	36.7	6.1	39.1	3330	34191											
CORN BELT C599	109	P250	42.2	21.6	9.1	100	81.7	18.0	35.0	7.1	41.0	3334	30411	40.3	22.6	9.1	100	80.9	19.0	36.3	6.1	40.1	3360	30468	40.3	22.6	9.1	100	80.9	19.0	36.3	6.1	40.1	3360	30468											
	105	P250	48.2	19.3	9.3	100	82.1	17.7	34.7	7.1	41.7	3227	30087	45.6	20.7	9.4	100	82.1	17.0	33.2	6.6	42.4	3270	30623	45.6	20.7	9.4	100	82.1	17.0	33.2	6.6	42.4	3270	30623											
	108	P250	39.0	24.6	9.6	100	83.0	18.8	36.9	7.8	38.9	3579	34350	44.1	22.2	9.8	100	83.2	17.3	33.8	6.4	42.1	3427	33549	44.1	22.2	9.8	100	83.2	17.3	33.8	6.4	42.1	3427	33549											
GARST 8523IT	108	P250	37.6	24.9	9.4	99	82.9	19.0	35.7	7.7	37.6	3577	33518	39.7	26.0	10.3*	100	82.8	17.6	33.7	6.7	40.2	3517	36318	39.7	26.0	10.3*	100	82.8	17.6	33.7	6.7	40.2	3517	36318											
	107	P250	38.6	23.1	8.9	100	82.3	18.8	35.1	7.3	40.3	3496	31030	42.1	22.8	9.6	100	82.4	17.5	33.5	6.4	41.9	3412	32665	42.1	22.8	9.6	100	82.4	17.5	33.5	6.4	41.9	3412	32665											
	107	P250	37.5	24.8	9.3	100	80.1	21.4	40.0	7.3	34.1	3381	31353	44.5	23.0	10.2*	100	81.9	18.3	34.9	6.3	40.0	3312	33714	44.5	23.0	10.2*	100	81.9	18.3	34.9	6.3	40.0	3312	33714											
HIGH CYCLE HC7743YGCB	108	P250	43.8	22.5	9.9	100	83.4	17.8	34.3	6.9	41.1	3449	33966	42.7	23.1	9.9	100	81.3	19.8	37.0	6.3	39.2	3342	32921	42.7	23.1	9.9	100	81.3	19.8	37.0	6.3	39.2	3342	32921											
	112	P250	37.4	24.3	9.1	99	80.9	21.1	40.5	7.7	35.2	3460	31388	35.2	28.4	10.0	100	80.9	21.5	39.0	6.4	34.4	3481	34828	35.2	28.4	10.0	100	80.9	21.5	39.0	6.4	34.4	3481	34828											
	105	P250	42.5	23.0	9.8	100	82.8	19.2	35.8	7.6	37.1	3449	33621	42.9	22.7	9.7	100	83.0	18.0	34.4	6.4	41.2	3454	33592	42.9	22.7	9.7	100	83.0	18.0	34.4	6.4	41.2	3454	33592											
Average	250		40.8	23.1	9.4	100	82.1	19.1	36.4	7.4	38.5	3439	32192	41.9	23.5	9.8	100	82.0	18.5	35.1	6.4	40.2	3397	33187	41.9	23.5	9.8	100	82.0	18.5	35.1	6.4	40.2	3397	33187											
NK Brand N49-E3	105	C1250	40.0	25.9	10.4**	100	83.0	18.7	35.9	7.9	36.4	3524	36468	43.0	24.3	10.4*	100	82.6	17.9	34.9	6.3	41.3	3427	35716	43.0	24.3	10.4*	100	82.6	17.9	34.9	6.3	41.3	3427	35716											
	109	C1250	39.5	23.3	9.2	100	82.1	18.4	35.9	6.9	40.7	3459	31725	42.7	23.1	9.8	100	82.0	17.2	34.2	6.3	41.8	3361	33027	42.7	23.1	9.8	100	82.0	17.2	34.2	6.3	41.8	3361	33027											
	110	P1250	39.8	25.2	10.0*	98	82.1	19.5	38.6	7.7	34.7	3495	34949	41.4	22.9	9.4	99	81.4	19.6	38.8	6.7	37.6	3416	32170	41.4	22.9	9.4	99	81.4	19.6	38.8	6.7	37.6	3416	32170											
PIONEER 34M95	108	P1250	39.5	25.0	9.9	100	82.7	18.9	36.8	7.3	38.7	3537	34828	41.6	25.1	10.5**	100	82.7	18.3	35.1	6.1	41.8	3479	36380	41.6	25.1	10.5**	100	82.7	18.3	35.1	6.1	41.8	3479	36380											
	106	P1250	38.0	24.8	9.4	100	83.0	19.1	36.6	7.5	38.9	3604	33987	40.2	23.2	9.3	100	82.5	18.2	34.7	6.5	40.6	3489	32505	40.2	23.2	9.3	100	82.5	18.2	34.7	6.5	40.6	3489	32505											
	107	P1250	41.4	21.7	9.0	100	81.0	18.8	35.7	7.5	39.9	3303	29654	42.9	21.3	9.1	100	81.6	18.8	35.1	6.3	40.9	3330	30318	42.9	21.3	9.1	100	81.6	18.8	35.1	6.3	40.9	3330	30318											
Average	1250		39.7	23.7	9.7	40	39.7	39.7	39.7	39.7	39.7	40	40	42.0	23.3	9.8	100	82.1	18.3	35.5	6.3	40.7	3417	33353	42.0	23.3	9.8	100	82.1	18.3	35.5	6.3	40.7	3417	33353											
AVERAGE			40.2	23.7	9.5	100	81.8	19.5	37.2	7.4	37.4	3432	32598	41.7	23.7	9.9	100	81.8	18.7	35.7	6.3	40.0	3391	33400	41.7	23.7	9.9	100	81.8	18.7	35.7	6.3	40.0	3391	33400											
	HIGHEST		48.2	25.9	10.4	100	83.4	21.9	40.8	7.9	41.7	3604	36468	45.6	28.4	10.5	100	83.2	21.6	39.7	6.7	42.4	3517	36380	45.6	28.4	10.5	100	83.2	21.6	39.7	6.7	42.4	3517	36380											
	LOWEST		37.4	19.3	8.9	97	79.0	17.7	34.3	6.9	31.4	3227	29654	35.2	20.7	9.1	96	80.6	17.0	33.2	5.9	34.4	3264	30318	35.2	20.7	9.1	96	80.6	17.0	33.2	5.9	34.4	3264	30318											
CV (%)			4.5	4.3	3.4	1.7	1.1	5.9	4.4	3.9	4.9	3	4	4.7	4.9	3.3	1.1	1.3	8.0	5.9	4.2	5.4	2	4	4.5	4.3	3.4	1.7	1.1	5.9	4.4	3.9	4.9	3	4	4.7	4.9	3.3	1.1	1.3	8.0	5.9	4.2	5.4	2	4
	LSD (.05%)		2.1	1.2	0.4	2.0	1.0	1.4	1.9	0.3	2.2	107	1440	2.3	1.4	0.4	1.3	1.3	1.8	2.5	0.3	2.5	100	1501	2.3	1.4	0.4	1.3	1.3	1.8	2.5	0.3	2.5	100	1501	2.3	1.4	0.4	1.3	1.3	1.8	2.5	0.3	2.5	100	1501

2 Year AVERAGES														3 Year AVERAGES																							
RM	%DM	GT/A	DT/A	%Std	%Ivd	%adff	%ndff	%cp	stch	MK/T	MK/A	%DM	GT/A	DT/A	%Std	%Ivd	%adff	%ndff	%cp	stch	MK/T	MK/A	%DM	GT/A	DT/A	%Std	%Ivd	%adff	%ndff	%cp	stch	MK/T	MK/A				
CORN BELT C599	109		41.6	21.6	9.0*	96	82.0	18.0	35.1	6.8	43.3	3388	30475	37.6	21.3	8.0*	100	81.3	20.5	38.0	6.3	38.5	3443	27519	41.6	21.6	9.0*	96	82.6	18.5	34.9	7.5	41.5	3477	27610	40.0	2

Brand / Hybrid	RM	TRT	%DM	GT/A	DT/A	%Std	%Ivd	%adF	%ndf	%cp	strch	MK/T	MK/A
GOLDEN HARVEST EX38914RR	110		44.0	16.7	7.3*	100	81.6	20.4	39.6	6.3	38.4	3318	24297
SPANGLER LFT50R	105		42.4	16.4	6.9	100	81.9	22.1	41.5	5.9	34.1	3416	23648
Average			43.2	16.5	7.1	100	81.7	21.3	40.6	6.1	36.2	3367	23973
MYCOGEN TMF2M696	110	C125	43.0	17.1	7.4*	100	80.6	22.4	42.5	6.2	34.3	3292	24278
RUPP XS1650	106	C125	43.7	15.5	6.8	99	81.6	21.5	40.5	6.0	37.2	3333	22645
VIGORO V5240	111	C125	42.2	18.6	7.8**	100	82.0	22.6	41.9	5.9	33.7	3438	26831
Average	125		43.0	17.1	7.3	100	81.4	22.1	41.6	6.0	35.1	3354	24585
CORN BELT C599	109	P250	45.2	15.1	6.8	100	82.3	18.8	37.0	6.1	41.1	3305	22572
DAIRYLAND STEALTH-1608	105	P250	46.7	15.7	7.3*	100	84.2	17.5	35.9	6.5	42.3	3450	25274
DEKALB DKC58-80 (RR2/YGCB)	108	P250	44.5	16.2	7.2	100	84.2	18.6	36.8	6.1	40.9	3512	25267
GARST 6523IT	108	P250	42.3	15.9	6.7	100	83.4	19.6	37.6	6.0	39.0	3506	23542
GREAT LAKES Quad-5B1RR	107	P250	45.8	14.6	6.7	100	83.3	18.9	36.6	6.2	40.4	3398	22746
HIGH CYCLE HC7698RR/YGCB	107	P250	46.4	15.2	7.0	100	82.5	20.5	39.4	6.2	37.0	3342	23476
HIGH CYCLE HC7743YGCB	108	P250	49.1	14.5	7.1	100	82.5	19.6	37.6	5.9	40.4	3271	23208
HIGH CYCLE HC8B280	112	P250	41.4	17.0	7.0	100	82.1	21.3	40.5	5.9	36.3	3450	24233
TRELAY 7012	105	P250	51.0	14.6	7.4*	100	83.0	18.0	35.7	6.3	43.8	3271	24196
Average	250		45.8	15.4	7.0	100	83.0	19.2	37.5	6.1	40.1	3390	23835
NK Brand N49-E3	105	C1250	44.1	16.0	7.0	100	83.8	18.2	36.1	6.5	40.5	3470	24296
NK Brand N65-M7	109	C1250	44.1	15.1	6.7	100	82.9	18.5	36.4	6.0	41.6	3388	22620
PIONEER 34M95	110	P1250	43.6	17.4	7.6*	100	83.1	21.4	41.6	6.2	34.8	3501	26449
PIONEER 35D28	108	P1250	45.7	16.6	7.6*	100	81.6	21.4	40.7	6.3	37.3	3306	24954
PIONEER 35Y55	106	P1250	42.7	16.6	7.1	100	83.4	19.7	37.8	6.6	39.4	3493	24798
PIONEER 36K67	107	P1250	49.0	13.6	6.6	100	83.6	17.7	35.5	6.2	43.2	3340	22123
Average	1250		44.9	15.9	7.1	100	83.1	19.5	38.0	6.3	39.5	3416	24207
AVERAGE			44.8	15.9	7.1	100	82.7	19.9	38.6	6.2	38.8	3390	24073
HIGHEST			51.0	18.6	7.8	100	84.2	22.6	42.5	6.6	43.8	3512	26831
LOWEST			41.4	13.6	6.6	99	80.6	17.5	35.5	5.9	33.7	3271	22123
CV (%)			5.1	5.5	6.4	0.5	1.2	9.0	6.8	4.4	7.8	2	6
LSD (.05%)			2.7	1.0	0.5	0.6	1.2	2.1	3.1	0.3	3.6	92	1733

2 Year AVERAGES	RM	%DM	GT/A	DT/A	%Std	%Ivd	%adF	%ndf	%cp	strch	MK/T	MK/A
CORN BELT C599	109	39.2	17.7	6.8	100	81.4	21.2	40.0	6.4	37.4	3366	22779
PIONEER 34M95	110	38.3	19.4	7.3**	98	82.1	23.1	43.5	6.4	32.1	3502	25615
PIONEER 35Y55	106	38.3	18.5	7.0*	99	83.4	20.4	38.3	6.7	38.5	3573	24955
TRELAY 7012	105	43.9	16.8	7.2*	99	81.7	21.2	39.9	6.4	38.1	3338	23897
AVERAGE		39.9	18.1	7.1	99	82.1	21.5	40.4	6.5	36.5	3445	24312
HIGHEST		43.9	19.4	7.3	100	83.4	23.1	43.5	6.7	38.5	3573	25615
LOWEST		38.3	16.8	6.8	98	81.4	20.4	38.3	6.4	32.1	3338	22779
CV (%)		4.5	3.5	1.7	4.5	3.2	4.8	7.2	1.0	8.2	30	64
LSD (.05%)		1.6	0.9	0.3	1.5	1.0	1.5	2.3	0.3	2.7	85	1229

3 Year AVERAGES	RM	%DM	GT/A	DT/A	%Std	%Ivd	%adF	%ndf	%cp	strch	MK/T	MK/A
GARST 6523IT	108	41.6	17.4	7.3	100	82.3	19.2	36.3	5.9	41.8	3434	23954
PIONEER 34M95	110	39.4	20.3	8.0**	99	81.7	22.4	42.4	6.1	34.9	3464	26914
PIONEER 35Y55	106	39.6	19.2	7.6	99	83.0	19.9	37.5	6.5	40.5	3522	25909
AVERAGE		40.2	19.0	7.6	99	82.3	20.5	38.8	6.2	39.0	3474	25592
HIGHEST		41.6	20.3	8.0	100	83.0	22.4	42.4	6.5	41.8	3522	26914
LOWEST		39.4	17.4	7.3	99	81.7	19.2	36.3	5.9	34.9	3434	23954
CV (%)		4.9	4.1	2.2	4.9	3.2	4.9	7.2	0.9	8.0	26	66
LSD (.05%)		1.4	0.8	0.3	1.4	0.9	1.2	1.8	0.2	2.1	66	1142

ALPENA & DELTA COUNTY SILAGE TRIALS (100 Day and Earlier)

TABLE 9.

2004

2004			ALPENA										DELTA - Late														
Brand / Hybrid	RM	TRT	%DM	GT/A	DT/A	%Std	%Ivd	%adf	%ndf	%cp	strch	MK/T	MK/A	%DM	GT/A	DT/A	%Std	%Ivd	%adf	%ndf	%cp	strch	MK/T	MK/A			
GARST 8922YG1	92		34.3	22.2	7.6	100	82.0	22.9	44.3	7.0	31.4	3567	26932	33.6	13.0	4.3	99	79.6	23.5	46.4	7.6	27.8	3377	14609			
			31.3	23.2	7.3	100	77.3	27.9	50.5	7.4	24.9	3191	23137	30.8	12.8	3.9	91	76.8	26.9	51.6	8.8	20.5	3160	12399			
			35.0	20.4	7.1	100	79.2	24.8	47.4	7.0	27.6	3328	23633	37.5	11.1	4.2	97	78.4	24.0	47.6	8.2	27.0	3263	13541			
			31.8	21.7	6.9	100	79.6	26.8	49.4	6.4	25.0	3385	23279	29.8	11.7	3.5	99	77.6	26.1	50.4	8.2	24.2	3235	11239			
			Average	33.1	21.8	7.2	100	79.5	25.6	47.9	6.9	27.2	3368	24245	32.9	12.1	4.0	96	78.1	25.1	49.0	8.2	24.9	3259	12947		
DAIRYLAND STEALTH-1602	98	P250	31.1	23.1	7.2	100	79.0	26.1	48.7	7.2	26.1	3323	23930	32.6	15.3	5.0**	100	78.3	25.3	49.3	8.5	23.4	3283	16331			
			34.0	21.1	7.2	100	82.3	22.7	43.6	6.6	30.8	3583	25702	34.9	13.3	4.6*	100	81.0	20.8	40.6	7.7	34.1	3456	15993			
			34.0	22.9	7.8*	100	81.6	23.4	44.7	6.6	31.0	3536	27488	33.2	12.5	4.2	100	80.2	23.0	45.0	7.4	30.1	3429	14243			
			34.0	22.3	7.6	100	82.7	22.0	42.3	6.8	33.3	3614	27305	33.4	11.7	3.9	94	80.4	22.2	44.5	7.5	31.4	3442	13512			
			33.7	22.8	7.7*	100	80.8	23.9	45.4	6.6	31.1	3469	26542	33.6	12.3	4.1	100	80.2	22.2	43.6	7.1	33.0	3414	14085			
GREAT LAKES 4256Bt	92	P250	34.3	21.6	7.4	100	80.9	24.4	45.8	6.6	30.6	3477	25634	34.6	12.7	4.4	100	79.1	24.3	47.7	7.1	29.2	3349	14564			
			31.4	23.4	7.3	100	79.5	26.9	49.6	6.5	23.6	3373	24701	31.4	12.9	4.1	88	79.4	23.6	46.6	7.5	27.8	3361	13610			
			Average	33.2	22.4	7.4	100	81.0	24.2	45.7	6.7	29.5	3482	25900	33.4	12.9	4.3	97	79.8	23.1	45.3	7.5	29.8	3390	14620		
			NK Brand N3030Bt	93	C1250	35.2	23.4	8.2**	100	82.5	23.8	43.8	6.4	31.2	3610	29609	32.7	9.6	3.2	83	79.7	23.7	46.8	7.8	26.4	3392	10684
						100	C1250	32.0	23.7	7.6	100	77.8	27.3	49.3	6.9	24.8	3221	24324	32.1	13.9	4.5	100	76.9	26.3	49.8	8.2	21.8
96	P1250	36.9				19.8	7.3	100	79.9	23.6	44.9	7.0	29.9	3362	24374	37.5	12.8	4.8*	100	79.0	22.2	43.5	7.7	32.9	3273	15635	
98	P1250	34.1				21.0	7.2	100	79.7	25.3	46.9	6.7	28.6	3382	24288	34.5	11.3	3.9	99	78.4	24.5	47.4	7.5	27.7	3283	12726	
100	P1250	34.5				22.3	7.7*	99	79.8	25.3	46.7	6.8	28.0	3383	25922	34.7	13.1	4.6*	97	77.6	25.2	48.4	7.5	24.5	3212	14613	
PIONEER 37F16	92	P1250	37.2	20.1	7.5	100	81.1	21.1	40.5	7.0	34.3	3435	25607	38.9	10.8	4.2	98	79.4	21.6	42.4	7.6	32.4	3280	13696			
			82	P1250	42.3	17.1	7.2	100	81.6	18.7	36.1	7.2	39.7	3290	23705	42.1	9.0	3.8	100	77.5	24.6	47.0	7.5	28.0	3095	11747	
			Average	36.0	21.1	7.5	100	80.3	23.6	44.0	6.8	30.9	3383	25404	36.0	11.5	4.1	97	78.3	24.0	46.5	7.7	27.7	3242	13322		
			PIONEER 37K84	92	P1250	34.3	21.8	7.4	100	80.4	24.3	45.5	6.8	29.5	3418	25340	34.3	12.2	4.2	97	78.8	23.9	46.6	7.7	27.9	3304	13743
						42.3	23.7	8.2	100	82.7	27.9	50.5	7.4	39.7	3614	29609	42.1	15.3	5.0	100	81.0	26.9	51.6	8.8	34.1	3456	16331
31.1	17.1	6.9				99	77.3	18.7	36.1	6.4	23.6	3191	23137	29.8	9.0	3.2	83	76.8	20.8	40.6	7.1	20.5	3095	10684			
CV (%)	4.3	6.8				4.7	1	1.3	5.0	4.0	4.4	7.1	2	6	3.5	7.3	6.1	2	1.0	4.1	3.5	4.4	7.2	2	7		
LSD (.05%)	1.7	1.8				0.5	1	1.2	1.4	2.2	0.4	2.5	100	1785	1.4	1.1	0.4	2	1.0	1.2	2.0	0.4	2.4	77	1085		

2 Year AVERAGES			ALPENA																							
	RM		%DM	GT/A	DT/A	%Std	%Ivd	%adf	%ndf	%cp	strch	MK/T	MK/A	%DM	GT/A	DT/A	%Std	%Ivd	%adf	%ndf	%cp	strch	MK/T	MK/A		
DEKALB DKC44-46 (RR2/YGCB)	94		35.3	22.5	8.0**	96	83.4	20.5	39.4	6.7	37.2	3661	29141	38.7	14.7	5.8	100	82.8	19.3	38.5	7.0	40.0	3495	20446		
GREAT LAKES 4297BRR	92		34.8	21.7	7.5	91	83.1	20.9	40.2	7.0	36.0	3639	27319	40.6	14.1	5.8	96	83.3	17.8	36.3	7.0	42.8	3489	20434		
HYLAND SEEDS HL2368	90		35.8	22.4	8.0**	97	82.6	21.6	40.8	6.8	35.6	3582	28667	40.4	14.5	5.9*	99	82.4	19.1	38.6	7.1	40.8	3444	20469		
NK Brand N33-H6	100		33.9	22.8	7.7*	98	78.6	25.3	45.4	7.3	30.4	3275	25220	36.8	16.5	6.1**	98	80.2	21.5	41.4	8.0	34.5	3327	20736		
AVERAGE			34.9	22.4	7.8	96	81.9	22.1	41.4	6.9	34.8	3539	27587	39.1	15.0	5.9	98	82.2	19.4	38.7	7.3	39.5	3439	20521		
HIGHEST			35.8	22.8	8.0	98	83.4	25.3	45.4	7.3	37.2	3661	29141	40.6	16.5	6.1	100	83.3	21.5	41.4	8.0	42.8	3495	20736		
LOWEST			33.9	21.7	7.5	91	78.6	20.5	39.4	6.7	30.4	3275	25220	36.8	14.1	5.8	96	80.2	17.8	36.3	7.0	34.5	3327	20434		
CV (%)			5.3	4.7	1.9	9	3.0	4.1	5.9	0.6	7.3	28	70	4.1	4.8	3.6	5	2.4	3.0	4.7	1.8	6.4	20	59		
LSD (.05%)			1.5	1.1	0.3	3	1.2	1.5	2.2	0.2	2.4	89	1586	1.9	1.8	0.2	2	1.1	1.4	2.0	0.3	2.4	75	925		

** Highest Yielding Hybrid in DT/A

* Not Significantly Different from Highest Yielding Hybrid

NO HYBRIDS ENTERED FOR THREE YEARS
YIELDS WERE NOT TAKEN IN OSCEOLA COUNTY DO TO SEVERE ROUNDUP DAMAGE

2004

2004			TRIAL AVERAGE											
Brand / Hybrid	RM	TRT	%DM	GT/A	DT/A	%Std	%Ivd	%adf	%ndf	%cp	strch	MK/T	MK/A	
GARST 8922YG1	92		33.9	17.6	5.9 *	99	80.8	23.2	45.4	7.3	29.6	3472	20771	
	98		31.1	18.0	5.6	95	77.0	27.4	51.0	8.1	22.7	3176	17768	
	89		36.2	15.7	5.6	98	78.8	24.4	47.5	7.6	27.3	3295	18587	
	97		30.8	16.7	5.2	99	78.6	26.4	49.9	7.3	24.6	3310	17259	
	Average		33.0	17.0	5.6	98	78.8	25.3	48.4	7.6	26.0	3313	18596	
DAIRYLAND STEALTH-1602	98	P250	31.9	19.2	6.1**	100	78.6	25.7	49.0	7.8	24.7	3303	20130	
	89	P250	34.4	17.2	5.9 *	100	81.6	21.8	42.1	7.2	32.4	3519	20848	
	94	P250	33.6	17.7	6.0 *	100	80.9	23.2	44.8	7.0	30.6	3482	20866	
	92	P250	33.7	17.0	5.7	97	81.5	22.1	43.4	7.1	32.4	3528	20409	
	92	P250	33.6	17.5	5.9 *	100	80.5	23.1	44.5	6.8	32.0	3442	20314	
GREAT LAKES 4297BtRR	90	P250	34.4	17.1	5.9 *	100	80.0	24.3	46.8	6.8	29.9	3413	20099	
	92	P250	31.4	18.2	5.7	94	79.4	25.3	48.1	7.0	25.7	3367	19156	
	Average	250	33.3	17.7	5.9	99	80.4	23.6	45.5	7.1	29.7	3436	20260	
	NK Brand N3030Bt	93	C1250	33.9	16.5	5.7	91	81.1	23.8	45.3	7.1	28.8	3501	20146
		100	C1250	32.1	18.8	6.0 *	100	77.3	26.8	49.5	7.5	23.3	3191	19238
96		P1250	37.2	16.3	6.0 *	100	79.4	22.9	44.2	7.3	31.4	3318	20005	
98		P1250	34.3	16.2	5.5	99	79.1	24.9	47.2	7.1	28.1	3333	18507	
100		P1250	34.6	17.7	6.1**	98	78.7	25.3	47.5	7.2	26.2	3298	20267	
PIONEER 37K94	92	P1250	38.0	15.4	5.8 *	99	80.3	21.3	41.4	7.3	33.3	3358	19651	
	82	P1250	42.2	13.0	5.5	100	79.6	21.6	41.6	7.3	33.8	3192	17726	
	Average	1250	36.0	16.3	5.8	98	79.3	23.8	45.2	7.2	29.3	3313	19363	
	AVERAGE		34.3	17.0	5.8	98	79.6	24.1	46.1	7.3	28.7	3361	19541	
		HIGHEST		42.2	19.2	6.1	100	81.6	27.4	51.0	8.1	33.8	3528	20866
LOWEST			30.8	13.0	5.2	91	77.0	21.3	41.4	6.8	22.7	3176	17259	
CV (%)			3.9	7.2	5.2	1	1.1	4.6	3.8	4.4	7.1	2	6	
	LSD (.05%)		1.1	1.0	0.3	1	0.8	0.9	1.4	0.3	1.7	63	1035	

2 Year AVERAGES

2 Year Averages		Trial Averages										
Brand / Hybrid	RM	%DM	GT/A	DT/A	%Std	%Ivd	%adf	%ndf	%cp	strch	MK/T	MK/A
DEKALB DKC44-46 (RR2/YGCB)	94	35.0	20.0	6.9	99	83.1	20.5	39.9	7.1	36.7	3592	25004
GREAT LAKES 4297BtRR	92	35.5	19.3	6.7	95	83.2	20.2	39.4	7.0	37.4	3591	24289
HYLAND SEEDS HIL2368	90	36.1	19.4	6.9	99	82.7	20.9	40.5	7.0	36.3	3555	24626
NK Brand N33-H6	100	33.5	21.4	7.0	99	79.8	23.7	44.0	7.8	30.7	3340	23692
AVERAGE		35.0	20.0	6.9	98	82.2	21.3	41.0	7.2	35.3	3519	24403
HIGHEST		36.1	21.4	7.0	99	83.2	23.7	44.0	7.8	37.4	3592	25004
LOWEST		33.5	19.3	6.7	95	79.8	20.2	39.4	7.0	30.7	3340	23692
CV (%)		4.3	5.1	2.5	3	2.2	2.8	4.4	1.3	5.8	21	59
LSD (.05%)		1.1	1.4	0.1	2	0.6	1.0	1.5	0.2	1.2	58	745

** Highest Yielding Hybrid in DT/A

* Not Significantly Different from Highest Yielding Hybrid

NO HYBRIDS ENTERED FOR THREE YEARS

TABLE 10.

ALGER & DELTA COUNTY SILAGE TRIALS (98 Day and Earlier)

ZONE 5

2004

2004			ALGER										DELTA - Early											
Brand / Hybrid	RM	TRT	%DM	GT/A	DT/A	%Std	%Ivd	%adff	%ndff	%cp	stch	MK/T	MK/A	%DM	GT/A	DT/A	%Std	%Ivd	%adff	%ndff	%cp	stch	MK/T	MK/A
BROWN EX66-04 (coon damage)	NA		34.3	6.9	2.4	93	70.8	35.6	63.8	7.5	9.9	2592	6162	33.0	14.0	4.6 *	94	81.8	22.2	42.9	7.8	29.6	3505	16216
GARST 8905RR	87		33.7	16.1	5.4 *	100	76.8	25.4	47.7	7.4	30.4	3143	17040	31.1	14.9	4.6 *	100	80.8	23.3	43.8	7.7	30.7	3433	15784
MYCOGEN TMF2N242	88		32.2	15.9	5.1 *	100	74.7	29.7	55.5	7.9	18.1	3016	15472	29.0	14.1	4.1	100	82.4	24.0	48.1	8.4	23.8	3571	14430
MYCOGEN TMF94	94		28.0	15.3	4.2	100	75.5	29.0	54.2	8.4	19.0	3037	16485	28.0	16.2	4.5 *	100	81.2	25.4	48.5	8.3	23.1	3524	15875
SPANGLER LFT17	87		31.5	16.5	5.2 *	100	73.8	30.3	56.1	7.9	16.9	2939	15215	26.9	16.9	4.5 *	100	80.1	26.0	49.5	8.5	22.3	3406	15325
SPANGLER LFT19R	89		32.9	16.3	5.4 *	99	76.0	27.2	51.7	8.2	22.2	3104	16611	28.3	16.5	4.6 *	100	79.7	26.0	49.5	8.1	22.7	3352	15508
WOLF RIVER VALLEY WRV2480L	80		34.7	13.0	4.5	83	75.6	27.2	51.3	8.3	21.9	3055	13754	29.7	13.6	4.1	99	80.0	24.6	47.1	8.2	27.0	3381	13692
WOLF RIVER VALLEY WRV2585L	85		31.4	15.7	5.0 *	100	75.0	29.7	55.9	7.6	18.5	3020	14943	29.3	14.0	4.1	100	81.3	24.4	46.7	8.2	26.5	3472	14070
Average			32.3	14.5	4.6	97	74.8	29.2	54.5	7.9	19.6	2988	14460	29.4	15.0	4.4	99	80.9	24.5	47.0	8.2	25.7	3456	15113
MYCOGEN F227	93	C125	25.4	15.3	3.9	100	82.6	25.4	51.6	7.9	18.3	3579	13862	26.9	14.2	3.8	100	83.2	23.2	46.4	8.8	24.3	3634	13776
DAIRYLAND HI DF-3086	86	P250	33.3	15.1	5.0 *	86	76.9	24.9	47.6	8.1	27.2	3149	15739	29.9	13.2	3.9	100	80.3	24.6	45.6	7.9	26.2	3348	13165
NK Brand N18-F2	84	C1250	35.3	14.2	5.0 *	99	76.1	26.6	50.2	7.7	24.7	3097	15400	32.4	13.2	4.2	99	80.5	23.2	44.1	8.0	29.1	3384	14296
NK Brand N21-V6	85	C1250	34.2	14.4	4.9	94	77.2	26.4	50.7	7.3	26.7	3209	15742	29.2	12.2	3.6	99	81.1	23.3	44.7	8.1	29.2	3450	12248
PIONEER 36N71	103	P1250	27.1	19.8	5.4 *	92	75.6	29.9	55.1	7.8	17.1	3085	16664	27.5	16.1	4.4 *	98	80.1	26.2	48.9	7.7	22.9	3395	15035
PIONEER 37A91	96	P1250	32.3	17.2	5.6 *	100	76.2	26.7	50.5	8.4	22.9	3105	17238	28.8	15.2	4.4 *	100	80.8	23.2	45.1	8.3	29.6	3403	14880
PIONEER 37F16	98	P1250	30.0	19.3	5.8**	100	73.7	30.3	55.2	7.3	20.0	2929	16929	29.8	14.5	4.3	100	82.7	22.3	43.7	8.1	28.1	3539	15125
PIONEER 38H67	98	P1250	30.2	18.6	5.6 *	100	78.4	25.7	48.8	7.4	25.6	3294	18450	28.2	15.8	4.4 *	100	82.9	23.2	44.1	8.0	27.9	3607	15870
PIONEER 38W22	92	P1250	33.4	16.9	5.6 *	99	77.1	25.6	48.5	7.1	26.7	3177	17878	28.3	16.7	4.7**	99	81.5	24.6	45.4	8.0	27.2	3483	16357
Average			31.8	17.2	5.4	98	76.3	27.3	51.3	7.6	23.4	3128	16900	29.2	14.8	4.3	99	81.4	23.7	45.1	8.0	27.7	3466	14830
AVERAGE			31.7	15.7	4.9	97	76.0	28.0	52.6	7.8	21.5	3090	15505	29.2	14.8	4.3	99	81.2	24.1	46.1	8.1	26.5	3464	14803
HIGHEST			35.3	19.8	5.8	100	82.6	35.6	63.8	8.4	30.4	3579	18450	33.0	16.9	4.7	100	83.2	26.2	49.5	8.8	30.7	3634	16357
LOWEST			25.4	6.9	2.4	83	70.8	24.9	47.6	7.1	9.9	2592	6162	26.9	12.2	3.6	94	79.7	22.2	42.9	7.7	22.3	3348	12248
CV (%)			4.1	14.7	13.8	1	1.8	5.9	4.9	7.9	7.4	3	7	6.7	9.7	5.3	1	1.5	4.6	3.9	5.0	8.0	4	6
LSD (.05%)			1.5	2.7	0.8	2	1.6	1.9	3.1	0.7	1.9	124	1206	2.3	1.7	0.3	1	1.4	1.3	2.1	0.5	2.5	151	1101

2 Year AVERAGES			ALGER										DELTA - Early											
Brand / Hybrid	RM	TRT	%DM	GT/A	DT/A	%Std	%ivd	%adff	%ndff	%cp	stch	MKT	MK/A	%DM	GT/A	DT/A	%Std	%ivd	%adff	%ndff	%cp	stch	MKT	MK/A
			%DM	GT/A	DT/A	%Std	%ivd	%adff	%ndff	%cp	stch	MKT	MK/A	%DM	GT/A	DT/A	%Std	%ivd	%adff	%ndff	%cp	stch	MKT	MK/A
MYCOGEN F227	93		27.7	14.7	4.1	98	83.1	23.3	47.6	8.1	26.9	3661	14887	30.6	16.2	5.0	100	84.9	20.4	41.6	8.0	32.1	3778	18991
PIONEER 37F16	98		30.5	17.7	5.4**	99	77.2	26.1	48.6	8.0	28.8	3191	17143	31.8	17.7	5.6**	98	82.8	21.7	41.6	7.7	32.1	3572	20250
SPANGLER LFT17	87		32.8	15.9	5.2 *	98	75.4	27.9	52.0	8.5	22.9	3050	15823	31.1	17.2	5.4 *	100	81.0	23.7	45.5	8.5	26.4	3464	18588
AVERAGE			30.3	16.1	4.9	99	78.6	25.8	49.4	8.2	26.2	3301	15951	31.2	17.0	5.3	99	82.9	21.9	42.9	8.1	30.2	3605	19276
HIGHEST			32.8	17.7	5.4	99	83.1	27.9	52.0	8.5	28.8	3661	17143	31.8	17.7	5.6	100	84.9	23.7	45.5	8.5	32.1	3778	20250
LOWEST			27.7	14.7	4.1	98	75.4	23.3	47.6	8.0	22.9	3050	14887	30.6	16.2	5.0	98	81.0	20.4	41.6	7.7	26.4	3464	18588
CV (%)			5.1	11.5	5.6	4	3.6	4.7	7.0	2.3	5.2	35	67	7.8	7.7	3.8	3	3.3	3.3	5.0	1.9	6.7	38	59
LSD (.05%)			1.3	1.8	0.4	1	1.5	1.8	3.0	0.4	1.9	118	1217	1.8	1.3	0.2	2	2.3	2.6	3.8	0.3	2.9	140	1285

** Highest Yielding Hybrid in DT/A

* Not Significantly Different from Highest Yielding Hybrid

NO HYBRIDS ENTERED FOR THREE YEARS

Support from Michigan's Project GREEN

Michigan's Northern Peninsula (UP) produces an estimated 20,000 acres of corn annually (Michigan Agricultural Statistics Service). With the major dairy (200 dairy farms) and livestock emphasis in the region, 12,000 of these acres are corn silage with the remaining 8000 acres being harvested for corn grain. This year a grant from project GREEN (Generating Research and Extension to meet Economic and Environmental Needs) helped to fund the hybrid trials in the UP, providing growers with corn grain and silage genetic selection information.

Brand / Hybrid	RM	TRT	TRIAL AVERAGE									
			%DM	GT/A	DT/A	%Std	%ivd	%adf	%ndf	%cp	stch	MKT
BROWN EX66-04 (coon damage)	NA		33.7	10.5	3.5	94	76.3	28.9	53.3	7.7	19.7	3049
GARST 8905RR	87		32.4	15.5	5.0*	100	78.8	24.4	45.7	7.5	30.5	3288
MYCOGEN TMF2N242	88		30.6	15.0	4.6	100	78.5	26.8	51.8	8.1	21.0	3293
MYCOGEN TMF94	94		28.0	17.8	5.0*	100	78.4	27.2	51.3	8.3	21.0	3281
SPANGLER LFT17	87		29.2	16.7	4.8	100	77.0	28.1	52.8	8.2	19.6	3173
SPANGLER LFT19R	89		30.6	16.4	5.0*	99	77.9	26.6	50.6	8.1	22.5	3228
WOLF RIVER VALLEY WRV2480L	80		32.2	13.3	4.3	91	77.8	25.9	49.2	8.3	24.5	3218
WOLF RIVER VALLEY WRV2585L	85		30.3	14.8	4.5	100	78.1	27.0	51.3	7.9	22.5	3246
Average			30.9	15.0	4.6	98	77.8	26.9	50.8	8.0	22.7	3222
MYCOGEN F227	93	C125	26.1	14.7	3.8	100	82.9	24.3	49.0	8.3	21.3	3607
DAIRYLAND HI DF-3086	86	P250	31.6	14.1	4.5	93	78.6	24.7	46.6	8.0	26.7	3248
NK Brand N18-F2	84	C1250	33.9	13.7	4.6	99	78.3	24.9	47.2	7.9	26.9	3240
NK Brand N21-V6	85	C1250	31.7	13.3	4.2	96	79.2	24.8	47.7	7.7	27.9	3330
PIONEER 36N71	103	P1250	27.3	18.0	4.9	95	77.9	28.0	52.0	7.7	20.0	3240
PIONEER 37A91	96	P1250	30.6	16.2	5.0*	100	78.5	24.9	47.8	8.4	26.2	3254
PIONEER 37F16	98	P1250	29.9	16.9	5.0*	100	78.2	26.3	49.5	7.7	24.0	3234
PIONEER 38H67	98	P1250	29.2	17.2	5.0*	100	80.6	24.4	46.4	7.7	26.7	3450
PIONEER 38W22	92	P1250	30.9	16.8	5.2**	99	79.3	25.1	46.9	7.5	26.9	3330
Average		1250	30.5	16.0	4.8	98	78.8	25.5	48.2	7.8	25.5	3297
AVERAGE			30.5	15.3	4.6	98	78.6	26.0	49.4	7.9	24.0	3277
HIGHEST			33.9	18.0	5.2	100	82.9	28.9	53.3	8.4	30.5	3607
LOWEST			26.1	10.5	3.5	91	76.3	24.3	45.7	7.5	19.6	3049
CV (%)			5.5	7.4	5.2	1	1.6	5.4	4.5	6.6	7.8	4
LSD (.05%)			1.4	0.9	0.2	1	1.1	1.2	1.8	0.4	1.6	97

2 Year AVERAGES		RM	%DM	GT/A	DT/A	%Std	%ivd	%adf	%ndf	%cp	stch	MKT	MK/A
MYCOGEN F227		93	29.2	15.5	4.5	99	84.0	21.9	44.6	8.1	29.5	3719	16939
PIONEER 37F16		98	31.1	17.7	5.5**	98	80.0	23.9	45.1	7.9	30.5	3382	18696
SPANGLER LFT17		87	32.0	16.5	5.3*	99	78.2	25.8	48.8	8.5	24.7	3257	17205
AVERAGE			30.8	16.6	5.1	99	80.7	23.8	46.2	8.1	28.2	3453	17614
HIGHEST			32.0	17.7	5.5	99	84.0	25.8	48.8	8.5	30.5	3719	18696
LOWEST			29.2	15.5	4.5	98	78.2	21.9	44.6	7.9	24.7	3257	16939
CV (%)			5.9	5.5	2.7	4	3.1	3.6	5.6	1.7	5.5	34	59
LSD (.05%)			1.2	0.7	0.3	1	1.0	1.1	1.7	0.2	1.8	78	963

** Highest Yielding Hybrid in DT/A

* Not Significantly Different from Highest Yielding Hybrid

NO HYBRIDS ENTERED FOR THREE YEARS

HYBRID INDEX FOR SILAGE TRIALS

The 86 hybrids submitted by 20 seed companies (22 brand names) resulted in 110 individual entries in the 2004 Michigan Corn Performance Trials for silage. The map of Michigan shows each zone and locations where the trials were located (page 32). Entries in the southern zones were divided into two maturity groups (early and late) on the basis of the maturity ratings submitted by the companies. These results are arranged in separate tables that are designated by "E" or "L" along with the table number. Below is a listing of company names, brand names, hybrid numbers and the table designation for each hybrid.

Zone 1 - Tables 7E/7L		Zone 2 - Tables 8E/8L		Zone 4 - Table 9		Zone 5 - Table 10	
Branch		Huron - Zone 3		Alpena		Alger	
Lenawee		Ingham		Delta - Late		Delta - Early	
Trial Average		Kent		Osceola		Trial Average	
		Trial Average		Trial Average			
MONSANTO		SOMMER BROS. SEED CO.		PARTNER BRAND			
ASGROW RX702YG	(7E)	GOLDEN HARVEST EX38914RR	(7E,8L)	PARTNERS BRAND 620	(7L)		
		GOLDEN HARVEST H-7298RR	(8E,9)				
BECK'S SUPERIOR HYBRIDS		GOLDEN HARVEST H-8124RR	(8E)	PIONEER HI-BRED INTERNATIONAL			
BECK 5283Bt 1	(7E)	GOLDEN HARVEST H-9461	(7L)	PIONEER 33A84	(7L)		
				PIONEER 33J56	(7L)		
BROWNS SEED FARMS, INC.		GREAT LAKES HYBRIDS		PIONEER 34M95	(7E,8L)		
BROWN EX66-04	(10)	GREAT LAKES 4256Bt	(9)	PIONEER 35D28	(7E,8L)		
		GREAT LAKES 4297BtRR	(9)	PIONEER 35Y55	(7E,8L)		
CORN BELT HYBRIDS		GREAT LAKES 5088Bt	(8E)	PIONEER 36K67	(8L)		
CORN BELT C599	(7E,8L)	GREAT LAKES Quad-5BtRR	(7E,8L)	PIONEER 36N71	(8E,10)		
				PIONEER 37A91	(8E,9,10)		
DAIRYLAND SEEDS		GRIES SEED FARMS, INC.		PIONEER 37F16	(8E,9,10)		
DAIRYLAND DST-10832	(7E)	GRIES 5306	(7E)	PIONEER 37K84	(8E,9)		
DAIRYLAND Hi DF-3086	(10)			PIONEER 38H67	(10)		
DAIRYLAND Hi DF-4200	(8E)	TRELAY SEED COMPANY		PIONEER 38W22	(9,10)		
DAIRYLAND STEALTH-1503	(8E)	HIGH CYCLE HC7698RR/YGCB	(8L)	PIONEER 39H83	(9)		
DAIRYLAND STEALTH-1514	(7E)	HIGH CYCLE HC7743YGCB	(7E,8L)				
DAIRYLAND STEALTH-1598	(8E)	HIGH CYCLE HC8B280	(8L)	RUPP SEED, INC.			
DAIRYLAND STEALTH-1602	(9)			RUPP XS1904	(7L)		
DAIRYLAND STEALTH-1608	(8L)	HYLAND SEEDS		RUPP XR1650	(7E,8L)		
DAIRYLAND STEALTH-1611	(7E)	HYLAND SEEDS HL2368	(9)	RUPP XR1810	(7E)		
DAIRYLAND STEALTH-1615	(7L)	HYLAND SEEDS HLB282	(9)				
		HYLAND SEEDS HLS058	(8E)	SPANGLER SEEDTECH, INC.			
MONSANTO		HYLAND SEEDS HLS067	(8E)	SPANGLER LFT17	(10)		
DEKALB DKC39-48 (RR2/YGCB)	(9)	MYCOGEN SEEDS		SPANGLER LFT19R	(9,10)		
DEKALB DKC44-46 (RR2/YGCB)	(9)	MYCOGEN TMF2N242	(10)	SPANGLER LFT31R	(9)		
DEKALB DKC47-10 (RR2/YGCB)	(8E)	MYCOGEN F227	(10)	SPANGLER LFT33R	(8E)		
DEKALB DKC50-20 (RR2/YGCB)	(8E)	MYCOGEN F2F444	(8E)	SPANGLER LFT50R	(8L)		
DEKALB DKC53-34 (RR2/YGCB)	(8E)	MYCOGEN TMF2M696	(7E,8L)	SPANGLER LFT61	(7L)		
DEKALB DKC58-80 (RR2/YGCB)	(7E,8L)	MYCOGEN TMF2M741	(7L)	TRELAY SEED COMPANY			
DEKALB DKC60-08 (YGCB)	(7E)			TRELAY 7012	(7E,8L)		
DEKALB DKC61-50	(7L)	SYNGENTA SEEDS					
GARST SEED COMPANY		NK Brand N18-F2	(10)	ROYSTER-CLARK, INC.			
GARST 8200YG1	(7L)	NK Brand N21-V6	(10)	VIGORO V50D37	(7E)		
GARST 8362IT	(7L)	NK Brand N3030Bt	(9)	VIGORO V5240	(7L,8L)		
GARST 8523IT	(8L)	NK Brand N33-H6	(8E,9)				
GARST 8905RR	(10)	NK Brand N43-C4	(8E)	WOLF RIVER VALLEY SEEDS			
GARST 8922YG1	(9)	NK Brand N49-E3	(8L)	WOLF RIVER VALLEY WRV2480	(10)		
		NK Brand N65-M7	(8L)	WOLF RIVER VALLEY WRV2485L	(10)		
GENESIS BRAND SEED		NK Brand N82-A7	(7L)				
GENESIS 2D97RRYGCB	(8E)	NK Brand N91-R9	(7L)				

COMPANY INDEX

BRAND AGRIGOLD	CONTACT AgriGold Hybrids R.R. #1, Box 203 St. Francisville, IL 62460 www.agrigold.com	BRAND GENESIS	CONTACT Genesis Brand Seed P.O. Box 21085 Lansing, MI 48909 517-887-1684	BRAND PARTNERS BRAND	CONTACT Partners Brand P.O. Box 578 4241 Leix Road Mayville, MI 48744 877-320-0474
ASGROW	Monsanto 3100 Sycamore Road DeKalb, IL 60115 www.monsanto.com	GOLDEN HARVEST	Sommer Bros. Seed Co. P.O. Box 248 Pekin, IL 61555 www.goldenharvestseeds.com	PIONEER	Pioneer Hi-Bred International 210 Westfield Dr. Archbold, OH 43502 www.pioneer.com
BAYSIDE	Bayside Seeds 259 Bowker Road Munger, MI 48747 www.baysidesseeds.com	GREAT LAKES	Great Lakes Hybrids, Inc. 9915 West M-21 Ovid, MI 48866 www.glh-seeds.com	RENK	Renk Seed Company 6800 Wilburn Road Sun Prairie, WI 53590 www.renkseed.com
BECK	Beck's Superior Hybrids 6767 E. 276th Street Atlanta, IN 46031 www.beckshybrids.com	GRIES	Gries Seed Farms, Inc. 2348 N. Fifth Street Freemont, OH 43420 www.griesseed.com	RUPP	Rupp Seed, Inc. 17919 Co. Rd. B Wauseon, OH 43567 www.ruppseeds.com
BIO GENE	Bio Gene Seeds 5491 Tri-County Highway Sardinia, OH 45171 www.biogeneseeds.com	GRO-MOR	Luckey Farmers, Inc. 1200 West Main Street Woodville, OH 43469 www.luckeyfarmers.com	SPANGLER	Spangler Seedtech, Inc. E. 2451 Shady Dr. Scandinavia, WI 54977 www.spanglerseeds.com
BROWN	Brown Seed Farms, Inc. P.O. Box 7 Bay City, WI 54723 www.brownseed.com	HIGH CYCLE	Trelay Seed Company 11623 Hwy 80 Livingston, WI 53554 www.trelay.com	STEYER	Steyer Seeds 6159 North Count Road 33 Tiffin, OH 44883 419-992-4570
CORN BELT	Corn Belt Hybrids P.O. Box 95 St. Marys, OH 45885 www.cornbelthybrids.com	HYLAND SEEDS	Hyland Seeds 2 Hyland Drive Blenheim, Ontario, Canada N0P 1A0 www.highlandseeds.com	TRELAY	Trelay Seed Company 11623 Hwy 80 Livingston, WI 53554 www.trelay.com
DAIRYLAND STEALTH	Dairyland Seed P.O. Box 958 West Bend, WI 53095 www.dairylandseed.com	JUNG	Jung Seed Genetics, Inc. 341 South High Street Randolph, WI 53956 920-326-5891	UNITY	Unity Ag Direct, Inc. 107 Fallon St. Kentland, IN 47951 www.unityagdirect.com
DEKALB	Monsanto 3100 Sycamore Road DeKalb, IL 60115 www.monsanto.com	LEGACY	Legacy Brand Hybrids, Inc. 11384 Laberdee Road Deerfield, IL 49238 517-206-3735	VIGORO	Royster-Clark, Inc. 717 Robinson Rd. Washington Court House, OH 43160 www.roysterclark.com
DYNA-GRO	UAP Great Lakes 221 W. Lake Lansing Rd. Suite 102 East Lansing, MI 48823 www.uap.com	MYCOGEN	Mycogen Seeds 9330 Zionsville Road Indianapolis, IN 46268 www.mycogen.com	WELLMAN	Wellman Seeds, Inc. 23778 Delphos - Jennings Rd. Delphos, OH 45833 www.wellmanseeds.com
GARST	Garst Seed Company 9877 W. Britton Road Laingsburg, MI 48848 www.garstseed.com	NK BRAND	Syngenta Seeds 12275 S. Sherman Lake Dr. Augusta, MI 49012 www.nk.com	WOLF RIVER VALLEY	Wolf River Valley Seeds N2976 Highway M White Lake, WI 54491 www.wolfrivervalleyseeds.com

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