Cornell University
Cooperative Extension

2006 New York Hybrid Corn Grain Performance Trials

Plant Breeding and Genetics 2007-1

Cornell University
Cooperative Extension

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TO: Persons interested in the grain yield performance of corn hybrids in New York

This report includes a summary of our 2006 commercial hybrid corn grain trials. It shows results from 10 locations in New York, divided into the following four maturity ranges:

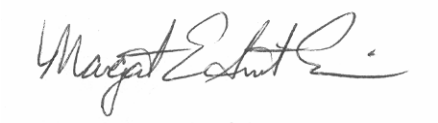
	Base 50 Growing Degree Days	Relative Maturity
Early	1400-1900 GDD	70-90 Days
Medium Early	1900-2500 GDD	85-105 Days
Medium	2300-2700 GDD	100-110 Days
Long Season	2500-2900 GDD	105-120 Days

This report is designed to aid seed company representatives, corn growers, and extension educators in evaluating hybrids for yield capacity, stalk and root strength, maturity, and test weight in various regions in New York. It also provides information for developing ratings for the Cornell Guide for Integrated Field Crop Management.

While many hybrids included in this report are widely grown varieties, others are new or experimental hybrids. In considering these tables, remember that this data represents only one year. Test results should be considered over several years before final conclusions are valid. Results gathered over several locations are a better guide than results at any one location.

We welcome comments or suggestions for improving this report for your use.

Sincerely yours,



Margaret E. Smith
Department Extension Leader

For information on entering hybrids in the 2007 trials, please contact Judy Singer or Margaret Smith at 607-255-5461.

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2006 Growing Conditions

The 2006 growing season started off fairly close to normal for temperature and precipitation in May. Planting went along quite rapidly, although a few locations had soil crusting problems. June was the second wettest on record, with unusually heavy rainfall from June 22 through 30 in much of the state. Western New York missed some of this wet June weather. July temperatures were above average throughout the state, and rainfall was higher than normal in most areas as well. Average to above-average temperatures and rainfall continued into August in most areas. Preliminary data indicates this summer (June, July, and August) was the wettest on record (0.6" more rainfall than the previous record, which was set in 1903). The warm conditions during June through August and plentiful rainfall helped to make 2006 corn grain yields quite good. September and October tended to be cooler than normal throughout the state. Excess precipitation during October in much of the state complicated harvest operations, and this was especially problematic in western New York where a major snow fall from an early lake effect storm on October 12th and 13th knocked down a lot of corn. The humid conditions during the growing season resulted in higher leaf disease incidence than we typically see. Northern leaf blight, carbonum leaf spot, eyespot, Stewart's wilt, and gray leaf spot were observed at a number of locations.

Testing Procedures

Regional test locations for 2006 are shown on page –iii-. Tests were planted in 1/500 acre plots with 3 replications per location. All sites, except Chazy, were machine planted and combine harvested. Plot grain weights, grain moisture percentages, and test weights were measured electronically on the combine. Grain yields were adjusted to 15.5% moisture for computation and comparison.

Test Weight

We have again included test weight data (**Test Wt**). This data was taken during harvest by measurement in a test weight chamber in the weighing assembly on our combine. The figures represent unadjusted test weight measurements of freshly harvested grain. Experience tells us that test weight is influenced by moisture content of the grain (generally the higher the moisture the lower the test weight) and by the genetic potential of the hybrid. This information is presented to be helpful, but farmers should discuss this further with their seed dealers if test weight is important in their marketing plans. The values shown here may or may not reflect the comparative test weights of dry grain. Consider the comparative moisture ratings of the hybrids when looking at test weight values.

Yield Moisture Ratio

We have included a yield to moisture ratio (**Y/M Ratio**), which is the grain yield in Bu/A divided by the percentage grain moisture. Some breeders use this number as an estimate of hybrid efficiency. Hybrids that show high yields and earlier maturity (lower moistures) have higher Y/M ratios.

Standability Ratings

We have again used two methods for reporting standability, both assessed at the time of grain harvest. The first method is the "hand push" (**Stndability**) rating system. The stalks are pushed, by hand, and resistance to pushing and breaking is rated on a scale of 1-9. A rating of 9 indicates that stalks have strong resistance against breakage when pushed. Lower ratings indicate less resistance to pushing and more down plants. The second method is based

on an actual count of stalks broken (or lodged) below the ear and is expressed as a proportion of the total number of plants in the plot (**% Stalk Ldg**).

CV, LSD, SD

We have used three statistics to evaluate the quality of the data from these experiments. The **CV** (coefficient of variation) is a measure of the amount of uncontrolled variability due to differences in the soil, weather, fertility, etc. Grain yield CVs below 12 are excellent and those 16 and under are acceptable. The **LSD** (least significant difference) is computed at the 5% level of probability. This indicates that if a difference between two hybrids is larger than the listed LSD, then the odds are at least 95 to 5 (or 19 to 1) that there is true varietal difference between the hybrids, or, as the statisticians say, the difference between the two hybrids is "significant." Farmers who need businessmen's odds more than statistical precision may consider a 10 Bu/A grain yield difference sufficient to guide a decision in choice of hybrid. The **SD** (standard deviation) is the measure used to determine whether the differences between two hybrids are large enough, given the precision of that experiment, to be significant and probably due to true differences between the hybrids.

2006 Trial Locations

Cooperators

Early Grain Series

County	Agent or Institution	Cooperator	Location
Clinton	Cornell University	Mike Davis	Chazy
St. Lawrence	Peter Barney	Jon Greenwood	Madrid
Orleans	NYSIP	Hugh Duddley	Albion
Cayuga	Shawn Bossard	Steve Nemec	New Hope
Wyoming	NYSIP	Jim McCormick	Bliss

Medium Early Grain Series

County	Agent or Institution	Cooperator	Location
Jefferson	CCE-Jefferson County	Ron Robbins	Sackets Harbor
Cayuga	Shawn Bossard	Steve Nemec	New Hope
Orleans	NYSIP	Hugh Duddley	Albion
Cayuga	Shawn Bossard	Willet Dairy	Lansing
Chemung	Janice Degni	Dudley French	Chemung

Medium Grain Series

County	Agent or Institution	Cooperator	Location
Monroe	Nate Herendeen	Mark Greene	Pittsford
Ulster	CCE-Ulster County	Joe Hasbrouck	Kingston
Chemung	Janice Degni	Dudley French	Chemung
Livingston	Nate Herendeen	Stokoe Farms	Avon

Late Grain Series

County	Agent or Institution	Cooperator	Location
Ulster	CCE-Ulster County	Joe Hasbrouck	Kingston
Livingston	Nate Herendeen	Stokoe farms	Avon
Monroe	Nate Herendeen	Mark Greene	Pittsford

Participating Companies
2006 Commercial Hybrid Corn Field Trials

Company	Contact for Information	Address & Phone
Chemgro Seeds	Jared Bruckhart	PO Box 218 1550 State Street East Petersburg, PA 17520 Phone: 800-346-4769 Fax: 717-560-0117 Email: jaredb@chemgro.com
Doebler's Hybrids, Inc	Doug Little	202 Tiadaghton Avenue Jersey Shore, PA 17740 Phone: 570-753-3210 Fax: 570-753-5302 Email: dlittle@doeblers.com
Golden Harvest Seeds Inc	Rich Lee	P.O.Box 248 Pekin, IL 61555 Phone: 800-747-2127 Fax: 319-846-2642 Email: rich.lee@ghseeds.com
Growmark FS	Mark Guttendorf	308 N.E. Front St. Milford, DE 19963 Phone: 315-683-9785 Fax: 315-683-9786 Email: mguttendorf@growmarkfs.com
Hyland Seeds	Jim Olmsted	2 Hyland Drive Box 130 Blenheim, Ontario, Canada NOP1AO Phone: 800-265-7403 Fax: 519-676-5674 Email: jolmsted@hylandseeds.com
HYTEST Seeds	Jim Kurzanski	2827 8th Avenue South Fort Dodge, IA 50501 Phone: 800-442-7391 Fax: 702-293-6289 Email: jkurz@landolakes.com

Participating Companies
2006 Commercial Hybrid Corn Field Trials

Company	Contact for Information	Address & Phone
Monsanto Company DEKALB and ASGROW Brands	Diane Freeman	800 N. Lindbergh Blvd. St. Louis, MO 63167 Phone: 1-800-335-2676 Fax: 314-694-5557 Email: diane.freeman@monsanto.com Websites: www.monsanto.com, www.dekalb.com, www.asgrow.com
Mycogen Seeds	Art Graves	2237 West Fulton Rd. Warnerville, NY 12187 Phone: 518-378-7934 Fax: 518-234-1731 Email: agraves@dow.com
NK Brand Seeds A Syngenta Seed Company	John Richman	44 Bassett Rd. Mannington, NJ 08079 Phone: 856-381-7772 Email: john.richman@syngenta.com
TA Seeds	James Breining	PO Box 300 Avis, PA 17721 Phone: 570-753-5503 Fax: 570-753-4445 Email: jim@taseeds.com
UAP Distribution, Inc	Tom Barber Dyna-Gro Products Manager	1140 Sweet Road East Aurora NY 14052 Phone: 716-912-5494 Fax: 716-652-1614 Email: tom.barber@UAP.com

Table 1. 2006 Early Maturity Hybrids Trial Summary
(Madrid, New Hope, Albion, Bliss)

Brand	Hybrid	Yield Bu/A	% Moisture	Y/M Ratio	Stnd ability*	% Stalk Ldg	Test Wt
TA Seeds	TA221-13	159	19.3	8.2	8.0	11	51
Mycogen	2P172	172	19.3	8.9	8.2	8	53
Hytest	HT7226TS	181	19.4	9.3	7.7	18	51
NK	N20-R7	203	19.4	10.5	8.0	8	52
Dekalb	DKC41-64RR2YGCB	200	19.6	10.2	7.9	14	51
Doebler's	277XB	180	19.6	9.2	8.0	11	51
FS Seeds	4146	185	19.9	9.3	7.7	10	50
TA Seeds	TA290-11	196	20.1	9.8	7.6	8	51
FS Seeds	3967XRR	189	20.3	9.3	8.2	4	52
Dekalb	DKC44-92RR2	169	20.4	8.3	8.1	9	50
Doebler's	377BWR	183	20.4	9.0	7.7	12	51
Hytest	HT7220BTRR2	188	20.5	9.2	8.1	6	51
	Mean	184	19.9	9.3	7.9	10	51
	CV	12	3.3		6.5		4
	LSD	16	0.5		0.5		2
	SD	20	0.6		0.5		2

*Standability based on 3 locations only.

Table 2. 2006 Early Maturity Hybrids, Madrid, St. Lawrence County, Northern NY

Brand	Hybrid	Yield Bu/A	% Moisture	Y/M Ratio	Stnd ability	% Stalk Ldg	Test Wt
NK	N20-R7	246	20.3	12.1	8.7	1	51
Dekalb	DKC41-64RR2YGCB	248	20.7	12.0	8.0	3	49
Mycogen	2P172	213	20.7	10.3	8.7	1	51
Doebler's	277XB	241	20.8	11.6	8.3	1	49
Hytest	HT7226TS	237	20.9	11.3	7.7	6	49
TA Seeds	TA221-13	196	21.0	9.3	8.7	3	49
TA Seeds	TA290-11	240	21.0	11.4	7.7	7	47
FS Seeds	3967XRR	205	21.1	9.7	9.0	0	48
Doebler's	377BWR	235	21.3	11.0	8.3	3	48
FS Seeds	4146	199	21.4	9.3	8.0	4	47
Dekalb	DKC44-92RR2	221	22.4	9.9	8.3	2	47
Hytest	HT7220BTRR2	232	22.7	10.2	8.7	1	49
	Mean	226	21.2	10.7	8.3	3	49
	CV	11	1.9		6.9		5
	LSD	39	0.7		0.9		4
	SD	24	0.4		0.6		2

	Planted:		Harvested:	
	May 4 2006		Nov 2 2006	
	86/50			
	Growing		Rainfall	
	Degree Days		(Inches)	
	2006	**Ave.**	**2006**	**Ave.**
May	298	282	3.4	3.1
June	455	450	4.6	3.3
July	682	587	2.6	3.6
Aug	551	534	0.9	4.1
Sept	320	325	4.3	4.3
Oct	126	140	4.8	3.3
Total	2432	2318	20.6	21.6
% Norm	105		95.4	
Departure	113.8		-1.0	

Table 3. 2006 Early Maturity Hybrids, New Hope, Cayuga County, Central N

Brand	Hybrid	Yield Bu/A	% Moisture	Y/M Ratio	% Stalk Ldg	Test Wt	Stew. Wilt**	Eye-spot***
Mycogen	2P172	180	18.1	9.9	19	53	1.3	5.0
TA Seeds	TA221-13	173	18.7	9.3	30	51	3.0	4.0
Doebler's	277XB	176	18.7	9.4	28	51	1.0	1.3
Hytest	HT7226TS	177	18.7	9.5	45	49	2.0	4.7
NK	N20-R7	219	18.7	11.7	15	50	1.3	2.3
TA Seeds	TA290-11	214	19.2	11.1	14	51	1.3	1.3
Dekalb	DKC41-64RR2YGC	182	19.3	9.4	33	49	1.8	3.7
FS Seeds	4146	185	19.3	9.6	21	51	1.8	2.0
Dekalb	DKC44-92RR2	175	19.7	8.9	21	47	1.7	3.0
Hytest	HT7220BTRR2	181	19.7	9.2	13	50	2.3	2.3
Doebler's	377BWR	165	19.8	8.3	28	49	2.3	1.7
FS Seeds	3967XRR	221	20.1	11.0	2	54	2.7	2.0
	Mean	187	19.2	9.8	22	50	1.9	2.8
	CV	11	4.4			4		
	LSD	32	1.4			4		
	SD	19	0.9			2		

Planted: May 5 2006
86/50 Growing Degree Days

Harvested: Nov 22 2006
Rainfall (Inches)

	2006	Ave.	2006	Ave.
May	238	235	2.7	3.3
June	396	391	5.8	4.6
July	592	515	8.1	3.9
Aug	476	477	4.5	3.6
Sept	249	289	4.3	4.4
Oct	91	121	5.3	3.5
Total	2042	2028	30.7	23.3
% Norm	101		131.7	
Departure	14		7.4	

* Standability not recorded.
** Stewart's wilt natural incidence; rating scale 0 (no disease) to 5 (dead from disease).
*** Eyespot natural incidence; rating scale 0 (no disease) to 9 (dead from disease).

Table 4. 2006 Early Maturity Hybrids, Albion, Orleans County, Western NY

Brand	Hybrid	Yield Bu/A	% Moisture	Y/M Ratio	Stnd ability	% Stalk Ldg	Test Wt
TA Seeds	TA221-13	105	16.3	6.4	7.0	12	51
Hytest	HT7226TS	129	16.9	7.6	7.0	16	52
Hytest	HT7220BTRR2	145	17.5	8.3	7.3	9	52
Mycogen	2P172	119	17.6	6.8	7.3	9	53
NK	N20-R7	175	17.8	9.8	7.0	12	54
FS Seeds	4146	148	17.9	8.3	7.0	13	51
Dekalb	DKC41-64RR2YGCB	184	18.0	10.2	7.3	11	54
Dekalb	DKC44-92RR2	127	18.1	7.0	7.0	12	52
Doebler's	277XB	147	18.1	8.1	7.3	9	54
FS Seeds	3967XRR	155	18.7	8.3	7.3	11	53
TA Seeds	TA290-11	158	18.9	8.4	7.0	8	53
Doebler's	377BWR	148	19.3	7.7	7.0	7	51
	Mean	145	17.9	8.1	7.1	11	53
	CV	12	4.2		5.6		4
	LSD	27	1.2		0.7		3
	SD	16	0.7		0.4		2

	Planted: April 21 2006 86/50 Growing Degree Days		**Harvested:** Oct 26 2006 Rainfall (Inches)	
	2006	**Ave.**	**2006**	**Ave.**
May	350	332	3.2	3.0
June	555	523	1.7	3.6
July	752	661	7.1	2.6
Aug	613	619	3.6	3.2
Sept	377	420	6.9	3.7
Oct	142	197	6.9	2.8
Total	2789	2752	29.3	18.8
% Norm	101		155.4	
Departure	37		10.4	

Table 5. 2006 Early Maturity Hybrids, Bliss, Wyoming County, Western NY

Brand	Hybrid	Yield Bu/A	% Moisture	Y/M Ratio	Stnd ability	% Stalk Ldg	Test Wt
Doebler's	277XB	155	20.6	7.5	8.3	6	50
Dekalb	DKC41-64RR2YGCB	184	20.7	8.9	8.3	6	54
Mycogen	2P172	173	20.8	8.3	8.7	2	54
NK	N20-R7	172	20.8	8.3	8.3	3	54
FS Seeds	4146	207	20.9	9.9	8.0	2	49
TA Seeds	TA221-13	163	21.1	7.7	8.3	0	53
Dekalb	DKC44-92RR2	150	21.1	7.1	9.0	2	52
Hytest	HT7226TS	182	21.1	8.6	8.3	3	54
FS Seeds	3967XRR	174	21.2	8.2	8.3	3	51
Doebler's	377BWR	184	21.3	8.6	7.7	9	54
TA Seeds	TA290-11	171	21.3	8.0	8.0	2	51
Hytest	HT7220BTRR2	192	22.1	8.7	8.3	3	52
	Mean	176	21.1	8.3	8.3	3	52
	CV	13	2.3		6.8		4
	LSD	36	0.8		0.9		3
	SD	22	0.5		0.6		2

Planted: May 2 2006
86/50 Growing Degree Days

Harvested: Nov 9 2006
Rainfall (Inches)

	2006	Ave.	2006	Ave.
May	278	263	3.1	3.6
June	424	409	2.7	4.5
July	577	509	7.1	4.0
Aug	511	468	5.2	3.8
Sept	270	314	6.1	4.4
Oct	110	151	7.6	3.6
Total	2170	2113	31.7	24.0
% Norm	103		132.5	
Departure	57		7.8	

Table 6. 2006 Medium Early Maturity Hybrids Trial Summary
(Lansing, New Hope, Albion, Chemung, Sackets Harbor)

Brand	Hybrid	Yield Bu/A	% Moisture	Y/M Ratio	Stndability*	% Stalk Ldg	Test Wt*
Dyna-Gro	53P30	176	20.1	8.8	7.1	7	54
Golden Harvest	L7H07BT	191	20.2	9.5	7.3	9	53
FS Seeds	4453XRR	192	20.2	9.5	8.0	9	51
Hyland	HLB33R	175	20.3	8.6	7.7	2	53
Golden Harvest	H6466CB/GT	196	20.3	9.7	7.7	3	54
Mycogen	2R426	179	20.3	8.8	7.2	10	51
Dyna-Gro	53F09	163	20.5	8.0	7.3	10	53
Hyland	HLB282	179	20.5	8.7	6.8	12	52
NK	N29-A2	189	20.5	9.2	7.2	9	53
FS Seeds	4458XRR	191	20.7	9.2	7.9	3	52
Dekalb	DKC48-53RR2YGCB	167	20.8	8.0	6.3	16	52
TA Seeds	TA450-11	191	20.8	9.2	7.8	4	54
Hyland	HL2515	184	21.0	8.8	7.3	14	52
Dekalb	DKC45-82RR2	190	21.0	9.0	7.9	3	53
Mycogen	2A498	202	21.0	9.6	7.7	10	52
Chemgro	5570BT	185	21.0	8.8	7.7	3	55
NK	N39-Q1	196	21.2	9.2	7.3	11	51
NK	N45-A6	217	21.2	10.2	7.8	3	51
FS Seeds	4464	195	21.2	9.2	8.0	6	55
FS Seeds	4819	209	21.2	9.9	8.3	1	52
Doebler's	468RB	212	21.3	10.0	7.8	3	52
Hyland	HLB43R	224	21.4	10.5	8.3	2	52
Hytest	HT7435BTRR2	218	21.6	10.1	7.6	9	54
NK	N34-Y9	187	21.6	8.7	7.6	9	53
FS Seeds	4955XRR	205	21.8	9.4	8.1	5	53
Dekalb	DKC54-46RR2YGPL	215	21.9	9.8	8.1	5	52
Hytest	HT7428BTRR2	221	22.0	10.0	8.3	3	52
Hytest	EXP4421RR	204	22.0	9.3	7.8	6	51
Doebler's	494RYG	212	22.1	9.6	8.0	4	53
FS Seeds	4860	214	22.7	9.4	8.3	2	52
TA Seeds	TA500-00	216	23.3	9.3	7.6	9	52
Doebler's	525BW	211	25.8	8.2	8.1	0	50
	Mean	197	21.3	9.3	7.7	6	52
	CV	11	3.5		8.3		5
	LSD	16	0.5		0.5		2
	SD	22	0.7		0.6		2

*Standability based on 4 locations only.
*Test Weight based on 4 locations only.

Table 7. 2006 Medium Early Maturity Hybrids, Lansing, Cayuga County, Central NY

Brand	Hybrid	Yield Bu/A	% Moisture	Y/M Ratio	Stnd ability	% Stalk Ldg	Test Wt
Hyland	HLB33R	198	20.5	9.7	8.3	4	49
Golden Harvest	H6466CB/GT	261	20.5	12.7	8.0	4	49
Golden Harvest	L7H07BT	217	20.7	10.5	7.7	16	49
FS Seeds	4453XRR	219	20.7	10.6	8.3	4	47
FS Seeds	4458XRR	235	20.7	11.4	8.7	3	49
Dyna-Gro	53F09	214	21.0	10.2	6.7	13	52
NK	N29-A2	199	21.1	9.4	7.0	14	49
Dyna-Gro	53P30	227	21.2	10.7	7.0	17	50
Dekalb	DKC48-53RR2YGCB	217	21.3	10.2	6.3	23	48
Mycogen	2R426	235	21.4	11.0	7.0	9	44
TA Seeds	TA450-11	234	21.6	10.8	8.3	8	48
FS Seeds	4819	218	21.7	10.0	9.0	0	48
Hyland	HLB43R	277	21.9	12.6	8.3	1	49
Hyland	HLB282	195	21.9	8.9	6.3	28	49
Hyland	HL2515	196	21.9	8.9	6.7	29	50
Dekalb	DKC45-82RR2	241	22.5	10.7	7.7	2	49
Doebler's	468RB	232	22.5	10.3	8.0	3	48
NK	N39-Q1	227	22.5	10.1	7.7	5	49
Doebler's	494RYG	254	23.0	11.0	8.3	3	53
NK	N45-A6	262	23.3	11.2	8.0	2	48
FS Seeds	4464	254	23.5	10.8	8.3	1	54
Hytest	EXP4421RR	238	23.6	10.1	8.0	4	51
Hytest	HT7435BTRR2	233	23.7	9.8	8.0	10	48
Chemgro	5570BT	232	23.9	9.7	8.7	2	48
Hytest	HT7428BTRR2	260	24.1	10.8	8.7	3	48
NK	N34-Y9	217	24.9	8.7	7.7	2	49
FS Seeds	4955XRR	243	24.9	9.8	8.7	3	48
Dekalb	DKC54-46RR2YGPL	250	25.1	10.0	9.0	2	52
FS Seeds	4860	236	26.7	8.8	8.3	3	48
TA Seeds	TA500-00	254	28.6	8.9	7.7	9	47
Doebler's	525BW	249	31.0	8.0	8.7	1	47
	Mean	233	23.0	10.2	7.9	7	49
	CV	9	3.7		8.7		7
	LSD	35	1.4		1.1		6
	SD	22	0.9		0.7		3

Planted: May 3-4 2006
86/50 Growing Degree Days

Harvested: Oct 30 2006
Rainfall (Inches)

	2006	Ave.	2006	Ave.
May	285	290	2.7	3.3
June	460	456	5.8	4.6
July	667	579	8.1	3.9
Aug	552	547	4.5	3.6
Sept	322	359	4.3	4.4
Oct	124	162	5.3	3.5
Total	2410	2393	30.7	23.3
% Norm	101		131.7	
Departure	17		7.4	

Table 8. 2006 Medium Early Maturity Hybrids, New Hope, Cayuga County, Central N'

Brand	Hybrid	Yield Bu/A	% Moisture	Y/M Ratio	% Stalk Ldg	Test Wt
Hyland	HLB282	186	20.9	8.9	21	49
Dyna-Gro	53P30	197	21.1	9.3	12	51
Golden Harvest	H6466CB/GT	210	21.1	10.0	5	50
Chemgro	5570BT	212	21.2	10.0	6	52
Mycogen	2R426	177	21.3	8.3	23	49
FS Seeds	4458XRR	201	21.3	9.4	8	49
Hyland	HLB33R	208	21.6	9.6	3	51
TA Seeds	TA450-11	189	21.6	8.8	8	50
Mycogen	2A498	207	21.7	9.5	29	49
NK	N34-Y9	191	21.7	8.8	28	50
FS Seeds	4464	212	21.7	9.8	14	51
Golden Harvest	L7H07BT	189	21.8	8.7	22	49
Dyna-Gro	53F09	171	21.9	7.8	22	49
NK	N29-A2	194	21.9	8.9	28	48
Dekalb	DKC48-53RR2YGCB	168	22.0	7.6	37	49
Hyland	HL2515	188	22.2	8.5	29	48
NK	N39-Q1	198	22.3	8.9	32	48
FS Seeds	4453XRR	182	22.3	8.2	29	49
Dekalb	DKC45-82RR2	187	22.4	8.3	7	49
NK	N45-A6	237	22.4	10.6	8	49
Hytest	EXP4421RR	212	22.9	9.3	19	49
FS Seeds	4819	224	22.9	9.8	2	49
Doebler's	468RB	229	23.1	9.9	3	49
Dekalb	DKC54-46RR2YGPL	204	23.3	8.8	17	47
Hytest	HT7435BTRR2	221	23.6	9.4	30	50
Hyland	HLB43R	220	23.7	9.3	10	48
Hytest	HT7428BTRR2	224	23.8	9.4	10	47
TA Seeds	TA500-00	197	23.8	8.3	18	48
FS Seeds	4860	230	24.1	9.5	6	48
FS Seeds	4955XRR	207	24.2	8.6	12	47
Doebler's	494RYG	217	25.1	8.6	15	49
Doebler's	525BW	207	29.9	6.9	0	46
	Mean	203	22.7	9.0	16	49
	CV	11	4.7			5
	LSD	37	1.7			4
	SD	23	1.1			2

*Standability not recorded.

Planted: May 5 2006
86/50 Growing Degree Days

Harvested: Nov 22 2006
Rainfall (Inches)

	2006	Ave.	2006	Ave.
May	238	235	2.7	3.3
June	396	391	5.8	4.6
July	592	515	8.1	3.9
Aug	476	477	4.5	3.6
Sept	249	289	4.3	4.4
Oct	91	121	5.3	3.5
Total	2042	2028	30.7	23.3
% Norm	101		131.7	
Departure	14		7.4	

Table 9. 2006 Medium Early Maturity Hybrids, Albion, Orleans County, Western NY

Brand	Hybrid	Yield Bu/A	% Moisture	Y/M Ratio	Stnd ability	% Stalk Ldg	Test Wt
Dyna-Gro	53F09	138	18.4	7.5	7.0	10	54
Golden Harvest	L7H07BT	170	18.6	9.1	7.0	4	55
FS Seeds	4955XRR	184	18.6	9.9	8.0	7	56
Mycogen	2R426	154	18.7	8.2	7.3	16	52
FS Seeds	4453XRR	208	18.8	11.1	7.7	7	52
Dyna-Gro	53P30	164	18.9	8.7	7.7	4	55
Hyland	HLB282	150	18.9	7.9	7.0	10	54
Chemgro	5570BT	139	19.1	7.3	7.0	6	58
Hyland	HLB33R	140	19.3	7.3	7.3	6	54
Dekalb	DKC48-53RR2YGCB	161	19.4	8.3	7.3	17	53
Golden Harvest	H6466CB/GT	165	19.5	8.5	7.7	4	55
NK	N29-A2	180	19.6	9.2	7.7	5	53
Dekalb	DKC45-82RR2	177	19.7	9.0	7.7	5	54
FS Seeds	4464	153	19.8	7.7	7.7	10	56
Dekalb	DKC54-46RR2YGPL	208	19.9	10.5	7.7	3	52
Hytest	HT7435BTRR2	244	19.9	12.3	7.7	3	56
NK	N45-A6	207	20.0	10.4	8.0	5	50
Mycogen	2A498	198	20.1	9.9	7.7	12	53
NK	N34-Y9	186	20.1	9.3	7.7	13	57
TA Seeds	TA450-11	201	20.2	10.0	7.7	3	56
TA Seeds	TA500-00	213	20.2	10.5	7.3	10	53
NK	N39-Q1	169	20.2	8.4	7.7	6	51
Hyland	HL2515	157	20.3	7.7	7.3	7	52
Hytest	EXP4421RR	208	20.4	10.2	8.0	5	49
FS Seeds	4819	221	20.4	10.8	8.3	2	54
Doebler's	468RB	186	20.5	9.1	8.3	6	53
Hytest	HT7428BTRR2	209	20.5	10.2	8.0	2	54
FS Seeds	4458XRR	174	20.5	8.5	8.0	3	53
FS Seeds	4860	193	20.6	9.4	8.3	1	53
Hyland	HLB43R	232	20.8	11.2	8.7	1	52
Doebler's	494RYG	209	20.8	10.0	8.3	2	53
Doebler's	525BW	185	22.9	8.1	8.0	1	49
	Mean	184	19.9	9.2	7.7	6	53
	CV	11	2.1		6.6		4
	LSD	33	0.7		0.8		3
	SD	20	0.4		0.5		2

Planted: April 21 2006
86/50 Growing Degree Days

Harvested: Oct 26 2006
Rainfall (Inches)

	2006	**Ave.**	**2006**	**Ave.**
May	350	332	3.2	3.0
June	555	523	1.7	3.6
July	752	661	7.1	2.6
Aug	613	619	3.6	3.2
Sept	377	420	6.9	3.7
Oct	142	197	6.9	2.8
Total	2789	2752	29.3	18.8
% Norm	101		155.4	
Departure	37		10.4	

Table 10. 2006 Medium Early Maturity Hybrids, Chemung, Chemung County, Southern Tier NY

Brand	Hybrid	Yield Bu/A	% Moisture	Y/M Ratio	Stnd ability	% Stalk Ldg	Test Wt
FS Seeds	4453XRR	187	18.5	10.1	8.3	1	57
Dyna-Gro	53P30	151	18.9	8.0	7.0	0	59
Hyland	HLB33R	179	19.3	9.3	8.0	0	60
Mycogen	2A498	215	19.3	11.1	7.7	1	58
Doebler's	468RB	229	19.3	11.9	8.0	0	59
FS Seeds	4458XRR	207	19.4	10.7	8.0	0	57
Golden Harvest	H6466CB/GT	204	19.5	10.5	8.0	1	62
Hytest	HT7435BTRR2	207	19.5	10.6	8.0	0	60
Dyna-Gro	53F09	157	19.6	8.0	8.0	2	57
Dekalb	DKC48-53RR2YGCB	145	19.6	7.4	6.0	0	58
Mycogen	2R426	170	19.6	8.7	7.7	0	57
FS Seeds	4819	196	19.6	10.0	9.0	0	58
FS Seeds	4955XRR	228	19.6	11.6	8.7	1	59
Hyland	HLB43R	208	19.7	10.6	9.0	0	59
Golden Harvest	L7H07BT	205	19.7	10.4	7.3	0	58
NK	N29-A2	210	19.7	10.7	8.0	0	60
NK	N39-Q1	209	19.8	10.6	8.0	3	58
Dekalb	DKC45-82RR2	193	19.9	9.7	8.7	1	60
NK	N45-A6	221	19.9	11.1	8.7	0	57
Hyland	HLB282	207	20.0	10.4	6.7	0	57
TA Seeds	TA450-11	183	20.0	9.2	8.0	2	59
Dekalb	DKC54-46RR2YGPL	238	20.1	11.8	9.0	0	58
Hytest	EXP4421RR	194	20.1	9.7	8.7	0	56
Doebler's	494RYG	225	20.2	11.1	9.0	0	57
Chemgro	5570BT	192	20.2	9.5	9.0	0	61
FS Seeds	4464	207	20.2	10.2	9.0	0	60
Hytest	HT7428BTRR2	223	20.3	11.0	9.0	0	60
FS Seeds	4860	238	20.3	11.7	9.0	0	60
NK	N34-Y9	195	20.4	9.6	8.3	0	58
TA Seeds	TA500-00	241	21.1	11.4	8.3	1	59
Doebler's	525BW	222	22.2	10.0	9.0	0	56
	Mean	203	19.9	10.2	8.2	0.4	59
	CV	12	2.1		4.8		3
	LSD	39	0.7		0.6		3
	SD	24	0.4		0.4		2

Planted: May 3 2006
Harvested: Oct 26 2006
86/50 Growing Degree Days
Rainfall (Inches)

	2006	**Ave.**	**2006**	**Ave.**
May	344	346	3.4	3.2
June	541	534	8.5	4.0
July	724	623	4.4	3.2
Aug	604	640	4.7	3.3
Sept	371	426	3.6	3.7
Oct	132	166	4.1	3.0
Total	2716	2734	28.7	20.24
% Norm	99		141.9	
Departure	-18		8.5	

Table 11. 2006 Medium Early Maturity Hybrids, Sackets Harbor, Jefferson County, Northern N

Brand	Hybrid	Yield Bu/A	% Moisture	Y/M Ratio	Stndability	% Stalk Ldg
Dyna-Gro	53P30	142	20.3	7.0	6.7	1
Golden Harvest	L7H07BT	173	20.3	8.5	7.3	3
NK	N29-A2	162	20.3	8.0	6.0	0
Chemgro	5570BT	147	20.5	7.2	6.0	0
TA Seeds	TA450-11	149	20.5	7.3	7.3	1
FS Seeds	4453XRR	163	20.5	8.0	7.7	5
Hyland	HLB282	158	20.6	7.7	7.0	0
Golden Harvest	H6466CB/GT	143	20.6	6.9	7.0	1
Mycogen	2R426	161	20.6	7.8	6.7	0
FS Seeds	4464	151	20.6	7.3	7.0	3
Dekalb	DKC45-82RR2	155	20.7	7.5	7.7	1
NK	N34-Y9	145	20.7	7.0	6.7	3
NK	N45-A6	159	20.7	7.7	6.3	0
Hyland	HL2515	177	20.8	8.5	7.0	6
Hyland	HLB33R	151	20.8	7.3	7.0	0
Mycogen	2A498	160	20.8	7.7	7.3	3
Hyland	HLB43R	182	21.0	8.7	7.0	0
Hytest	HT7428BTRR2	189	21.0	9.0	7.3	1
Dekalb	DKC54-46RR2YGPL	174	21.2	8.2	6.7	4
NK	N39-Q1	174	21.2	8.2	6.0	8
Dyna-Gro	53F09	137	21.3	6.4	7.3	4
Doebler's	468RB	184	21.3	8.6	7.0	2
FS Seeds	4819	188	21.3	8.8	7.0	0
Doebler's	494RYG	157	21.5	7.3	6.3	0
Hytest	HT7435BTRR2	183	21.5	8.5	6.7	0
FS Seeds	4458XRR	135	21.5	6.3	7.0	0
FS Seeds	4860	172	21.7	7.9	7.7	0
Dekalb	DKC48-53RR2YGCB	144	21.9	6.6	5.7	4
FS Seeds	4955XRR	164	21.9	7.5	7.0	1
Hytest	EXP4421RR	171	23.0	7.4	6.7	4
TA Seeds	TA500-00	177	23.0	7.7	7.0	6
Doebler's	525BW	191	23.1	8.3	6.7	0
	Mean	163	21.1	7.7	6.9	2
	CV	13	3.6		12.7	
	LSD	35	1.2		1.4	
	SD	22	0.8		0.9	

	Planted: May 1 2006 86/50 Growing Degree Days		Harvested: Nov 22 2006 Rainfall (Inches)	
	2006	**Ave.**	**2006**	**Ave.**
May	311	274	2.3	2.9
June	454	439	4.5	2.8
July	676	589	1.6	2.5
Aug	562	546	1.2	3.1
Sept	306	346	4.9	3.9
Oct	124	152	6.5	3.1
Total	2433	2346	20.9	18.3
% Norm	104		114.3	
Departure	87		2.6	

*Test Weight not reported.

Table 12. 2006 Medium Maturity Hybrids Trial Summary
(Avon, Pittsford, Kingston, Chemung)

Brand	Hybrid	Yield Bu/A	% Moisture	Y/M Ratio	Stndability*	% Stalk Ldg	Test Wt
Hyland	HL2515	210	21.5	9.8	7.4	20	57
Dyna-Gro	55P98	215	22.3	9.6	8.6	1	57
Hyland	HLB295	234	22.3	10.5	7.9	9	59
TA Seeds	TA533-01	235	22.5	10.4	8.0	9	58
NK	N48-R3	215	22.6	9.5	7.8	11	55
Golden Harvest	H7935Hx	221	22.9	9.7	7.4	16	55
Mycogen	2D555	220	22.9	9.6	7.7	14	58
Golden Harvest	H8445CB	222	23.1	9.6	8.4	3	56
Mycogen	2G626	218	23.1	9.4	8.2	1	57
FS Seeds	5565	255	23.1	11.0	8.7	2	58
Dyna-Gro	55P86	244	23.4	10.4	7.6	3	58
Doebler's	537RB	238	23.4	10.2	7.8	1	57
Hyland	HLB52R	232	23.6	9.8	7.2	2	57
Dekalb	DKC57-79RR2YGPL	226	24.0	9.4	8.6	5	57
Doebler's	575XB	248	24.1	10.3	8.4	1	58
TA Seeds	TA5753	261	24.4	10.7	8.2	2	57
Hytest	HT7590CRWRR	245	24.8	9.9	7.9	9	60
Dekalb	DKC61-68RR2YGRW	232	24.9	9.3	8.1	10	57
Doebler's	648RYG	239	25.1	9.5	6.9	15	56
Golden Harvest	L8H21RR	246	25.3	9.7	8.0	4	59
Hyland	HL2677	248	25.4	9.8	7.8	8	56
Hyland	HLB337	247	25.5	9.7	7.1	17	57
Hytest	EXP6886RR	237	25.8	9.2	7.6	7	58
Hytest	EXP5905RR	242	26.1	9.3	7.8	10	58
	Mean	235	23.8	9.8	7.9	8	57
	CV	10	4.1		8.4		3
	LSD	20	0.8		0.6		2
	SD	24	1.0		0.7		2

*Standability based on 3 locations only.

Table 13. 2006 Medium Maturity Hybrids, Avon, Livingston County, Western NY

Brand	Hybrid	Yield Bu/A	% Moisture	Y/M Ratio	Stnd ability	% Stalk Ldg	Test Wt	Stay Grn*
Hyland	HL2515	230	25.9	8.9	7.7	3	60	5.0
Hyland	HLB295	240	28.5	8.4	8.3	1	62	3.8
Dyna-Gro	55P98	207	29.1	7.1	8.3	0	59	4.5
FS Seeds	5565	271	29.7	9.1	8.7	1	61	3.7
Golden Harvest	H8445CB	214	30.2	7.1	8.3	0	57	4.7
TA Seeds	TA533-01	242	30.4	8.0	8.0	1	62	4.0
NK	N48-R3	228	30.5	7.5	8.0	0	57	4.2
Mycogen	2G626	231	30.6	7.5	8.0	0	61	3.8
Golden Harvest	H7935Hx	226	30.7	7.4	8.7	0	59	4.5
Dekalb	DKC57-79RR2YGPL	239	30.7	7.8	8.7	0	60	4.3
Doebler's	537RB	234	30.9	7.6	6.7	0	59	3.5
Dyna-Gro	55P86	234	31.0	7.5	6.7	1	61	4.7
Mycogen	2D555	252	31.0	8.1	8.3	1	61	4.3
Hyland	HLB52R	194	31.5	6.2	6.0	0	59	4.7
Golden Harvest	L8H21RR	263	32.0	8.2	8.0	0	64	3.5
Doebler's	575XB	243	32.3	7.5	8.0	0	62	3.0
Hytest	EXP5905RR	248	32.3	7.7	8.7	2	63	3.5
Doebler's	648RYG	239	32.7	7.3	7.0	0	59	4.0
TA Seeds	TA5753	264	33.0	8.0	8.0	1	60	4.0
Hytest	HT7590CRWRR	265	33.1	8.0	8.0	1	64	3.3
Hyland	HL2677	270	33.4	8.1	8.0	0	60	3.7
Hyland	HLB337	266	33.8	7.9	7.3	1	64	3.3
Dekalb	DKC61-68RR2YGRW	247	34.1	7.2	8.3	0	63	3.5
Hytest	EXP6886RR	229	34.5	6.6	7.7	0	62	2.8
	Mean	241	31.3	7.7	7.9	1	61	3.9
	CV	10	4.5		7.6		3	
	LSD	40	2.3		1.0		3	
	SD	24	1.4		0.6		2	

Planted: May 8 2006
86/50

Harvested: Oct 19 2006

	Growing Degree Days		Rainfall (Inches)	
	2006	**Ave.**	**2006**	**Ave.**
May	318	305	1.7	2.9
June	512	516	3.1	3.5
July	719	623	5.4	2.8
Aug	590	575	2.5	3.3
Sept	345	386	4.4	3.5
Oct	138	190	4.2	2.6
Total	2622	2595	21.2	18.5
% Norm	101		114.8	
Departure	28		2.7	

* Stay green rated on a 1 (all green) to 5 (completely dry) scale.

Table 14. 2006 Medium Maturity Hybrids, Pittsford, Monroe County, Western N

Brand	Hybrid	Yield Bu/A	% Moisture	Y/M Ratio	% Stalk Ldg	Test Wt
TA Seeds	TA533-01	216	20.3	10.6	9	54
NK	N48-R3	194	20.4	9.5	16	51
Mycogen	2D555	208	20.5	10.1	15	53
FS Seeds	5565	268	20.5	13.1	5	54
Hyland	HLB295	250	20.6	12.1	15	54
Hyland	HL2515	165	20.7	8.0	41	53
Dekalb	DKC57-79RR2YGPL	231	20.9	11.1	14	54
Golden Harvest	H8445CB	219	21.0	10.4	7	51
Golden Harvest	H7935Hx	229	21.1	10.9	30	49
MCk#1	MCk#1	226	21.2	10.7	1	52
Dyna-Gro	55P98	205	21.3	9.6	1	53
TA Seeds	TA5753	277	21.3	13.0	1	54
Hytest	HT7590CRWRR	234	21.4	10.9	14	54
Dyna-Gro	55P86	269	21.7	12.4	2	53
Dekalb	DKC61-68RR2YGRW	201	21.7	9.3	32	51
Doebler's	575XB	275	21.8	12.6	2	51
MCk#2	MCk#2	224	21.8	10.3	16	54
Doebler's	537RB	262	21.9	12.0	0	53
Mycogen	2G626	227	22.0	10.3	1	51
Hyland	HLB52R	267	22.2	12.0	1	54
Hyland	HL2677	249	22.8	10.9	8	51
Doebler's	648RYG	221	22.8	9.7	3	51
Hyland	HLB337	269	23.0	11.7	15	50
Hytest	EXP6886RR	245	23.1	10.6	9	53
Golden Harvest	L8H21RR	255	23.3	10.9	3	55
Hytest	EXP5905RR	279	26.3	10.6	12	53
	Mean	237	21.8	10.9	10	53
	CV	10	3.4			3
	LSD	40	1.2			3
	SD	24	0.7			2

	Planted:		Harvested:	
	May 9 2006		Nov 10 2006	
	86/50			
	Growing		Rainfall	
	Degree Days		(Inches)	
	2006	**Ave.**	**2006**	**Ave.**
May	345	323	1.8	2.8
June	540	508	3.7	3.4
July	767	653	8.0	2.9
Aug	626	605	2.8	3.5
Sept	388	394	5.4	3.5
Oct	154	185	5.0	2.6
Total	2820	2667	26.6	18.7
% Norm	106		142.3	
Departure	153		7.9	

*Standability not recorded.

Table 15. 2006 Medium Maturity Hybrids, Kingston, Ulster County, Hudson Valley NY

Brand	Hybrid	Yield Bu/A	% Moisture	Y/M Ratio	Stnd ability	% Stalk Ldg	Test Wt	Gray Leaf Spot*
Golden Harvest	H7935Hx	227	17.5	13.0	6.0	33	58	2.7
Dyna-Gro	55P98	212	18.0	11.8	8.3	2	59	1.8
Golden Harvest	H8445CB	228	18.2	12.5	8.3	5	61	1.0
NK	N48-R3	203	18.2	11.2	6.7	29	55	2.7
Mycogen	2D555	204	18.3	11.1	6.0	41	60	2.5
Doebler's	575XB	245	18.4	13.3	8.3	3	62	3.0
TA Seeds	TA533-01	259	18.4	14.1	7.3	28	62	2.7
Hyland	HL2515	216	18.5	11.7	6.7	36	59	2.5
Golden Harvest	L8H21RR	211	18.6	11.3	7.3	11	59	2.0
Dekalb	DKC61-68RR2YGRW	252	18.6	13.5	7.7	7	61	2.3
Dekalb	DKC57-79RR2YGPL	210	18.8	11.2	8.0	7	59	3.3
Mycogen	2G626	187	18.8	9.9	7.7	2	61	2.3
Hyland	HLB295	216	18.9	11.4	7.0	19	61	2.2
FS Seeds	5565	250	18.9	13.2	8.3	3	61	2.2
Hyland	HLB52R	221	19.2	11.5	7.0	8	59	2.3
Hyland	HL2677	236	19.2	12.3	6.7	25	58	3.0
Doebler's	537RB	221	19.2	11.5	8.3	2	59	2.7
Hytest	EXP6886RR	236	19.2	12.3	6.7	18	59	2.2
TA Seeds	TA5753	249	19.2	13.0	7.7	8	60	2.5
Dyna-Gro	55P86	245	19.3	12.7	7.3	9	61	1.8
Hyland	HLB337	222	19.4	11.4	5.3	52	59	2.0
Hytest	HT7590CRWRR	222	19.5	11.4	6.7	23	63	3.2
Hytest	EXP5905RR	208	19.8	10.5	6.7	26	59	1.3
Doebler's	648RYG	225	20.0	11.3	5.3	56	55	3.0
	Mean	225	18.8	12.0	7.1	19	60	2.4
	CV	10	2.2		10.9		4	
	LSD	38	0.7		1.3		4	
	SD	23	0.4		0.8		3	

	Planted: May 2 2006 86/50 Growing Degree Days		**Harvested:** Nov 21 2006 Rainfall (Inches)	
	2006	**Ave.**	**2006**	**Ave.**
May	355	327	4.0	4.6
June	607	543	6.0	4.3
July	789	645	3.4	4.2
Aug	668	665	5.3	3.9
Sept	396	456	4.2	4.3
Oct	186	197	5.2	3.8
Total	3001	2832	28.0	25.1
% Norm	106		111.6	
Departure	169		2.9	

* Gray leaf spot natural incidence; rating scale 0 (no disease) to 5 (dead from disease)

Table 16. 2006 Medium Maturity Hybrids, Chemung, Chemung County, Southern Tier NY

Brand	Hybrid	Yield Bu/A	% Moisture	Y/M Ratio	Stnd ability	% Stalk Ldg	Test Wt	Stay Grn*	Gray Leaf Spot**
Dyna-Gro	55P98	236	20.7	11.4	9.0	0	58	3.3	3.5
Hyland	HL2515	227	21.0	10.8	8.0	1	55	4.2	3.5
TA Seeds	TA533-01	222	21.0	10.6	8.7	0	56	2.8	3.5
NK	N48-R3	236	21.2	11.1	8.7	0	56	3.3	3.5
Hyland	HLB295	232	21.3	10.9	8.3	1	58	3.0	3.5
Mycogen	2G626	227	21.3	10.7	9.0	0	56	3.3	2.7
Hyland	HLB52R	246	21.5	11.4	8.7	0	57	3.7	3.5
Doebler's	537RB	236	21.5	11.0	8.3	0	57	3.7	3.5
Dyna-Gro	55P86	230	21.6	10.6	8.7	0	56	3.8	3.3
Mycogen	2D555	214	21.8	9.8	8.7	0	56	3.3	3.3
Golden Harvest	H7935Hx	204	22.3	9.1	7.7	2	53	3.7	3.2
Golden Harvest	H8445CB	228	22.9	10.0	8.7	0	54	3.3	3.2
FS Seeds	5565	232	23.2	10.0	9.0	0	55	2.7	3.7
Doebler's	575XB	227	23.8	9.5	9.0	0	57	3.0	3.8
TA Seeds	TA5753	256	23.9	10.7	9.0	0	56	3.3	3.2
Doebler's	648RYG	269	24.7	10.9	8.3	0	58	3.3	3.2
Hytest	HT7590CRWRR	259	25.0	10.4	9.0	0	59	2.5	3.7
Dekalb	DKC61-68RR2YGRW	229	25.1	9.1	8.3	0	53	3.0	3.7
Dekalb	DKC57-79RR2YGPL	224	25.5	8.8	9.0	0	56	2.7	3.8
Hyland	HLB337	232	25.8	9.0	8.7	0	56	1.7	3.3
Hytest	EXP5905RR	235	25.9	9.1	8.0	0	56	2.7	3.7
Hyland	HL2677	238	26.0	9.2	8.7	1	56	2.3	3.5
Hytest	EXP6886RR	239	26.4	9.1	8.3	2	58	1.3	3.5
Golden Harvest	L8H21RR	256	27.4	9.3	8.7	1	58	2.2	3.2
	Mean	235	23.4	10.1	8.6	0.3	56	3.0	3.4
	CV	11	4.4		6.9		3		
	LSD	41	1.7		1.0		3		
	SD	25	1.0		0.6		2		

Planted: May 3 2006 86/50

Harvested: Oct 26 2006

	Growing Degree Days		Rainfall (Inches)	
	2006	**Ave.**	**2006**	**Ave.**
May	344	346	3.4	3.2
June	541	534	8.5	4.0
July	724	623	4.4	3.2
Aug	604	640	4.7	3.3
Sept	371	426	3.6	3.7
Oct	132	166	4.1	3.0
Total	2716	2734	28.7	20.24
% Norm	99		141.9	
Departure	-18		8.5	

* Stay green rated on a 1 (all green) to 5 (completely dry) scale.
** Gray leaf spot natural incidence; rating scale 0 (no disease) to 5 (dead from disease).

Table 17. 2006 Late Maturity Hybrids Trial Summary (Kingston, Avon)

Brand	Hybrid	Yield Bu/A	% Moisture	Y/M Ratio	Stndability*	% Stalk Ldg	Test Wt
TA Seeds	TA686-03	243	26.5	9.2	8.7	1	60
TA Seeds	TA6993	262	26.6	9.8	7.7	9	61
Golden Harvest	L9H93BT	266	27.8	9.6	8.3	1	59
Mycogen	2T780	247	28.0	8.8	7.7	4	60
	Mean	255	27.2	9.4	8.1	4	60
	CV	9	1.7				3
	LSD	28	0.5				2
	SD	23	0.5				2

*Standabililty based on 1 location only.

Table 18. 2006 Late Maturity Hybrids, Kingston, Ulster County, Hudson Valley NY

Brand	Hybrid	Yield Bu/A	% Moisture	Y/M Ratio	Stndability	% Stalk Ldg	Test Wt
TA Seeds	TA686-03	234	19.6	11.9	8.7	1	57
TA Seeds	TA6993	252	20.0	12.6	7.7	17	57
Golden Harvest	L9H93BT	258	20.1	12.8	8.3	2	53
Mycogen	2T780	236	20.3	11.6	7.7	7	56
	Mean	245	20.0	12.3	8.1	7	56
	CV	8	0.7		10.7		2
	LSD	34	0.3		1.5		3
	SD	19	0.1		0.8		1

Planted: May 2 2006
Harvested: Nov 21 2006

	Growing Degree Days 86/50		Rainfall (Inches)	
	2006	**Ave.**	**2006**	**Ave.**
May	355	327	4.0	4.6
June	607	543	6.0	4.3
July	789	645	3.4	4.2
Aug	668	665	5.3	3.9
Sept	396	456	4.2	4.3
Oct	186	197	5.2	3.8
Total	3001	2832	28.0	25.1
% Norm	106		111.6	
Departure	169		2.9	

Table 19. 2006 Late Maturity Hybrids, Avon, Livingston County, Western NY

Brand	Hybrid	Yield Bu/A	% Moisture	Y/M Ratio	% Stalk Ldg	Test Wt	Stay Grn**
TA Seeds	TA6993	271	33.2	8.2	0	65	4.2
TA Seeds	TA686-03	251	33.4	7.5	1	63	2.8
Golden Harvest	L9H93BT	274	35.5	7.7	0	64	2.3
Mycogen	2T780	258	35.7	7.2	0	64	2.8
	Mean	264	34.5	7.7	0.3	64	3.0
	CV	11	1.8			3	
	LSD	50	1.1			4	
	SD	27	0.6			2	

Planted: May 8 2006
Harvested: Oct 19 2006

	Growing Degree Days 86/50		Rainfall (Inches)	
	2006	**Ave.**	**2006**	**Ave.**
May	318	305	1.7	2.9
June	512	516	3.1	3.5
July	719	623	5.4	2.8
Aug	590	575	2.5	3.3
Sept	345	386	4.4	3.5
Oct	138	190	4.2	2.6
Total	2622	2595	21.2	18.5
% Norm	101		114.8	
Departure	28		2.7	

* Standability not recorded.
** Stay green rated on a 1 (all green) to 5 (completely dry) scale.