



Cornell University  
Cooperative Extension

## 2005 New York Hybrid Corn Grain Performance Trials





**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 2005 commercial hybrid corn grain trials. It shows results from 11 locations in New York, divided into the following four maturity ranges:

	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,

A handwritten signature in blue ink that reads 'Margaret E. Smith'.

Margaret E. Smith  
Department Extension Leader

For information on entering hybrids in the 2006 trials, please contact Judy Singer or Margaret Smith at 607-255-5461.

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## 2005 Growing Conditions

The 2005 growing season in NY started off cool and dry but then turned hot and dry. A wetter than average period in October made the seasonal rainfall totals appear more like a normal season, but in most cases that is not what the corn crop saw! May was cool and dry throughout the state, with most locations recording about 90 growing degree days below normal for the month and only about one-third to one-half of the normal rainfall. Most corn fields were planted in a timely manner, but most also had a number of late emerging plants due to a combination of dry soil conditions, poor seed-soil contact, and non-uniform moisture that caused some seeds to remain dormant until a passing shower provided moisture for germination. This often resulted in a lot of variation in plant size within a field. We observed some ankle-high corn next to knee-high corn in early July. The dry conditions right after planting also resulted in weed control failures in a number of fields. The months of June, July, August, and September were hotter than normal. Hot dry times during the early development of the corn crop often made plants shorter than normal. All of our sites received from 105% to 120% of the normal heat for the growing season. This resulted in unusually dry grain at harvest time, with our harvest grain moistures in the high teens or low twenties. The wet conditions in October made timely harvest a challenge in some cases. Despite the erratic summer rainfall in many parts of the state, our state average corn grain yield was a record high 124 bu/A. Local weather data and details about the conditions at each site are provided on the data tables on the following pages.

## Testing Procedures

Regional test locations for 2005 are shown on page –iii-. Tests were planted in 1/500 acre plots with three replications per location. All sites were machine planted and combine harvested except Chazy, which was harvested by hand. Plot grain weights, grain moisture percentages, and test weights were measured electronically on the combine for most sites. 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" (**Standability**) rating system. The stalks are pushed, by hand, and resistance to pushing and breaking is rated on a scale from 1 to 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 15 and under are good. 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.

**(TABLES IN THIS PUBLICATION SHOULD NOT BE REPRODUCED  
IF ANY PORTION IS OMITTED OR IF ORDER OF DATA IS CHANGED.)**

*The information given herein is supplied with the understanding that no discrimination is intended and no endorsement by Cornell Cooperative Extension is implied.*

# 2005 Trial Locations



## 2005 Cooperators

### Early Grain Series

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

### Medium Early Grain Series

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

### Medium Grain Series

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

### Late Grain Series

<b>County</b>	<b>Agent or Institution</b>	<b>Cooperator</b>	<b>Location</b>
Livingston	Nate Herendeen	Stokoe Farms	Avon
Ulster	CCE-Ulster County	Joe Hasbrouck	Kingston
Monroe	Nate Herendeen	Mark Greene	Pittsford

**Participating Companies**  
**2005 Commercial Hybrid Corn Field Trials**

<b>Company</b>	<b>Contact for Information</b>	<b>Address &amp; Phone</b>
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, Inc	Dale Ireland	202 Tiadaghton Avenue Jersey Shore, PA 17740 Phone: 570-753-3210 Fax: 570-753-5302 Email: direland@doeblers.com
Garst Seed Company Garst & AgriPro Brand Products	Mark Lawson, CCA	4850 W 350 N Danville, IN 46122-8881 Phone: 317-745-4103 Fax: 317-745-2096 Email: mark.lawson@garstseedco.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  
2005 Commercial Hybrid Corn Field Trials**

<b>Company</b>	<b>Contact for Information</b>	<b>Address &amp; Phone</b>
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
Syngenta Seeds Inc NK Brand	Mark Mattingly	25 Red Oak Dr. Lititz PA17543 Phone: 717-951-2730 Fax: 717-898-1275 Email: mark.mattingly@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 Division 1	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. 2005 Early Maturity Hybrids Trial Summary  
(Chazy, Albion, New Hope, Bliss, Madrid)**

<b>Brand</b>	<b>Hybrid</b>	<b>Yield Bu/A</b>	<b>% Mois ture</b>	<b>Y/M Ratio</b>	<b>Stnd abil ity*</b>	<b>% Stalk Ldg**</b>	<b>Test Wt</b>
Hyland	HLB264	149	19.0	7.8	7.8	5	56
Hyttest	HT7183BTRR2	158	19.0	8.3	7.7	3	55
Hyland	HL2288	143	19.1	7.5	7.8	6	55
Doebler's	217XRR	156	19.1	8.2	7.8	7	55
TA Seeds	TA2210	154	19.2	8.0	7.7	8	55
Doebler's	236X	146	19.2	7.6	8.0	2	56
Hyland	HLR228	151	19.3	7.8	7.7	8	55
Golden Harvest	H6395	170	19.7	8.6	8.7	3	56
Garst	8986YG1RR	157	20.1	7.8	7.9	4	54
Doebler's	277XB	178	20.1	8.9	8.4	1	55
Dekalb	DKC40-05	176	20.3	8.7	7.4	9	54
Hyttest	HTExp296TS	182	20.4	8.9	8.2	3	56
FS Seeds	3840	162	20.5	7.9	8.2	1	56
NK	N22-T8	172	20.8	8.3	7.7	5	57
TA Seeds	TA3021	185	21.0	8.8	8.0	2	54
FS Seeds	4145	191	21.2	9.0	7.9	3	55
Golden Harvest	H6621BT	161	21.3	7.6	8.2	4	54
Hyland	HLB258	161	21.5	7.5	7.4	8	55
Golden Harvest	H6757CB	195	22.1	8.8	8.0	1	54
Hyttest	HT7220BTRR2	188	22.4	8.4	8.1	2	55
	Mean	167	20.3	8.4	8.0	4	55
	CV	13	5.0		6.6		3
	LSD	15	0.7		0.5		1
	SD	21	1.0		0.5		2

\*Standability 3 locations only

\*\*Test Weight 4 locations only

**Table 2. 2005 Early Maturity Hybrids, Chazy, Clinton County, Northern NY**

Brand	Hybrid	Yield Bu/A	% Moisture		Stalk Ldg	Planted: May 10 2005	Harvested: Nov 2 2005			
			Mois ture	Y/M Ratio			Degree Days		Rainfall (Inches)	
						2005	Ave.	2005	Ave.	
TA Seeds	TA2210	180	18.3	9.8	6	86/50				
Hyland	HLB264	178	18.6	9.6	3	Growing		Rainfall		
Hyland	HL2288	185	18.6	9.9	5	Degree Days		(Inches)		
Doebler's	217XRR	167	19.1	8.7	8					
Hyland	HLR228	180	19.2	9.4	6	May	213	310	1.8 2.9	
Hyttest	HT7183BTRR2	189	19.6	9.6	5	June	564	472	6.3 3.2	
Dekalb	DKC40-05	214	20.7	10.3	8	July	672	606	4.8 3.6	
Doebler's	236X	156	20.8	7.5	2	Aug	697	549	4.1 3.9	
Garst	8986YG1RR	185	20.9	8.9	3	Sept	453	329	2.2 3.4	
Doebler's	277XB	226	21.2	10.7	1	Oct	128	133	7.4 2.9	
Hyttest	HTExp296TS	199	21.4	9.3	1					
FS Seeds	3840	178	21.7	8.2	1	Total	2727	2400	26.8 19.8	
TA Seeds	TA3021	180	21.9	8.2	1	% Norm	114		135.1	
Golden Harvest	H6395	172	22.2	7.7	6	Departure	327		7.0	
FS Seeds	4145	178	22.3	8.0	2					
Hyland	HLB258	191	23.4	8.2	3					
Golden Harvest	H6621BT	151	23.5	6.4	1					
Golden Harvest	H6757CB	214	24.1	8.9	2					
NK	N22-T8	182	24.6	7.4	2					
Hyttest	HT7220BTRR2	217	26.4	8.2	1					
	Mean	186	21.4	8.8	3					
	CV	8	5.0							
	LSD	25	1.8							
	SD	15	1.1							

Standability and Test Weight not recorded

This plot had very good stand establishment. Timely rains and nice heat during the growing season resulted in good, uniform, high yielding corn.

**Table 3. 2005 Early Maturity Hybrids, Albion, Orleans County, Western NY**

Brand	Hybrid	Yield Bu/A	% Moisture	Y/M Ratio	Stand ability	% Stalk Ldg	Test Wt	Planted: April 21 2005	Harvested: Nov 11 2005			
									Growing Degree Days		Rainfall (Inches)	
								2005	Ave.	2005	Ave.	
Dekalb	DKC40-05	153	14.3	10.7	6.7	22	63	86/50				
Doebler's	217XRR	120	14.5	8.3	6.7	17	59	Growing				
Hyland	HL2288	114	14.6	7.8	7.0	19	62	Degree Days				
Hyland	HLR228	120	14.7	8.2	7.0	19	61					
TA Seeds	TA2210	142	14.8	9.6	7.0	17	63	May	252	332	1.0	3.0
Hyland	HLB264	156	14.8	10.5	7.0	14	63	June	670	523	2.1	3.6
Doebler's	277XB	176	14.8	11.9	7.3	5	62	July	776	661	1.9	2.6
Hyttest	HT7183BTRR2	141	15.0	9.4	7.0	4	58	Aug	701	620	4.2	3.2
Golden Harvest	H6395	188	15.5	12.1	8.3	2	64	Sept	529	420	3.5	3.7
TA Seeds	TA3021	188	15.6	12.1	7.3	7	61	Oct	195	197	4.5	2.8
Garst	8986YG1RR	144	15.7	9.2	7.0	3	62					
FS Seeds	4145	189	15.8	12.0	7.3	6	61	Total	3123	2753	17.1	18.8
FS Seeds	3840	168	15.9	10.6	7.7	0	65	% Norm	113		90.6	
Hyttest	HT7220BTRR2	209	16.1	13.0	8.0	4	60	Departure	370		-1.8	
Golden Harvest	H6621BT	170	16.2	10.5	7.7	11	63					
Hyland	HLB258	143	16.4	8.7	6.7	24	62					
Golden Harvest	H6757CB	168	16.7	10.1	7.7	0	59					
	Mean	158	15.4	10.3	7.3	10	62					
	CV	13	2.3		8.5		3					
	LSD	35	0.6		1.0		3					
	SD	21	0.4		0.6		2					

The very early planting in this plot was followed by a long dry and cool period in May, which affected stand establishment. There was some Stewart's wilt and rust on the plants, but not enough to affect yields much.

**Table 4. 2005 Early Maturity Hybrids, New Hope, Cayuga County, Central NY**

Brand	Hybrid	Yield Bu/A	% Moisture		% Stalk		Test Wt	Planted: May13 2005	Harvested: Oct 31 2005			
			Mois ture	Y/M Ratio	Ldg	Wt			Degree Days		Rainfall (Inches)	
								2005	Ave.	2005	Ave.	
Golden Harvest	H6395	161	18.4	8.8	3	53		86/50				
Doebler's	277XB	169	18.4	9.2	0	53		Growing		Rainfall		
Doebler's	236X	142	18.5	7.7	0	54		Degree Days		(Inches)		
FS Seeds	3840	143	18.7	7.6	1	53						
Hyland	HLB264	150	19.0	7.9	0	54	May	252	331	0.9	3.4	
Hyland	HL2288	149	19.0	7.8	0	53	June	653	502	4.9	3.7	
NK	N22-T8	161	19.0	8.5	0	56	July	745	647	1.3	4.0	
Doebler's	217XRR	167	19.3	8.7	0	53	Aug	728	601	1.4	3.6	
Hyttest	HT7183BTRR2	164	19.3	8.5	0	55	Sept	484	386	4.5	4.2	
Garst	8986YG1RR	154	19.4	7.9	4	52	Oct	191	176	4.3	3.2	
Hyland	HLR228	143	19.5	7.3	3	53						
TA Seeds	TA2210	164	19.9	8.2	2	53	Total	3053	2644	17.2	22.0	
Hyttest	HTExp296TS	174	20.7	8.4	1	53	% Norm	115		78.1		
Dekalb	DKC40-05	191	21.2	9.0	2	51	Departure	410		-4.8		
Hyttest	HT7220BTRR2	162	21.7	7.5	0	54						
Golden Harvest	H6621BT	150	21.8	6.9	0	49						
Golden Harvest	H6757CB	184	22.0	8.4	0	52						
TA Seeds	TA3021	195	22.1	8.8	1	50						
Hyland	HLB258	160	22.4	7.1	2	51						
FS Seeds	4145	188	22.4	8.4	0	52						
	Mean	164	20.1	8.1	1	53						
	CV	13	4.5			3						
	LSD	35	1.5			3						
	SD	21	0.9			2						

Standability not recorded

Very low rainfall in May, July, and August affected stand establishment. Yield appears to have been affected a bit in the Early test but not in the later Medium Early test at this same location.

**Table 5. 2005 Early Maturity Hybrids, Bliss, Wyoming County, Western NY**

Brand	Hybrid	Yield Bu/A	% Moisture	Y/M Ratio	Std ability	% Stalk Ldg	Test Wt	Planted: May 10 2005	Harvested: Oct 31 2005			
									Growing Degree Days		Rainfall (Inches)	
								2005	Ave.	2005	Ave.	
Hyttest	HT7183BTRR2	147	20.9	7.0	8.3	1	51	86/50				
Hyland	HLR228	179	21.4	8.4	8.7	0	50	Growing Degree Days				
TA Seeds	TA2210	145	21.6	6.7	8.0	4	50	Rainfall (Inches)				
Hyland	HLB264	155	21.6	7.2	8.7	1	49	2005	Ave.	2005	Ave.	
Doebler's	236X	153	21.7	7.1	8.7	1	50	May	208	263	1.7	3.6
Doebler's	217XRR	184	22.0	8.4	9.0	0	49	June	525	409	4.3	4.5
Hyland	HLB258	160	22.5	7.1	8.0	1	50	July	595	509	2.8	4.0
Hyland	HL2288	154	22.5	6.8	8.3	0	48	Aug	557	468	5.0	3.8
Golden Harvest	H6395	183	22.6	8.1	9.0	0	49	Sept	388	314	4.7	4.4
Doebler's	277XB	163	22.6	7.2	9.0	0	48	Oct	159	151	4.3	3.6
Dekalb	DKC40-05	160	23.0	7.0	8.0	2	47					
FS Seeds	3840	173	23.0	7.5	8.7	1	48	Total	2432	2113	22.7	24.0
Golden Harvest	H6621BT	167	23.0	7.3	8.7	1	48	% Norm	115		94.9	
Garst	8986YG1RR	147	23.2	6.3	8.7	1	46	Departure	319		-1.2	
NK	N22-T8	148	23.2	6.4	8.3	0	50					
Hyttest	HTExp296TS	187	23.7	7.9	9.0	0	50					
FS Seeds	4145	202	24.2	8.3	8.3	1	48					
Golden Harvest	H6757CB	198	24.2	8.2	8.3	0	47					
TA Seeds	TA3021	169	24.9	6.8	8.0	1	48					
Hyttest	HT7220BTRR2	199	25.6	7.8	8.0	1	49					
	Mean	169	22.9	7.4	8.5	1	49					
	CV	14	3.3		5.5		4					
	LSD	39	1.2		0.8		3					
	SD	24	0.8		0.5		2					

Some eyespot was present in the field, but not enough to affect yields much.

**Table 6. 2005 Early Maturity Hybrids, Madrid, St. Lawrence County, Northern NY**

Brand	Hybrid	Yield Bu/A	% Moisture	Y/M Ratio	Std ability	% Stalk Ldg	Test Wt		Planted: May 6 2005		Harvested: Oct 22 2005	
									Degree Days		Rainfall (Inches)	
									<b>2005</b>	<b>Ave.</b>	<b>2005</b>	<b>Ave.</b>
Golden Harvest	H6395	147	19.7	7.5	8.7	5	57		86/50			
TA Seeds	TA3021	195	20.5	9.5	8.7	1	58		Growing		Rainfall	
Doebler's	236X	141	20.5	6.9	8.0	1	58					
Hyttest	HTExp296TS	176	20.6	8.5	8.0	5	59					
Hyland	HL2288	112	20.8	5.4	8.0	7	55	May	199	282	0.7	3.1
Doebler's	217XRR	144	20.8	6.9	7.7	11	57	June	611	450	1.3	3.3
Hyland	HLB264	103	21.3	4.8	7.7	9	58	July	675	587	5.4	3.6
FS Seeds	4145	197	21.3	9.2	8.0	4	57	Aug	603	534	2.4	4.1
NK	N22-T8	203	21.4	9.5	7.7	17	57	Sept	446	325	8.6	4.3
Garst	8986YG1RR	155	21.5	7.2	8.0	9	56	Oct	152	140	7.6	3.3
TA Seeds	TA2210	138	21.6	6.4	8.0	9	55					
Hyland	HLR228	131	21.6	6.1	7.3	10	56	Total	2534	2318	26.0	21.6
Golden Harvest	H6621BT	168	22.0	7.6	8.3	7	57	% Norm	109		120.2	
Dekalb	DKC40-05	163	22.2	7.3	7.7	14	56	Departure	216		4.4	
Hyttest	HT7220BTRR2	152	22.3	6.8	8.3	4	58					
FS Seeds	3840	149	23.2	6.4	8.3	5	57					
Golden Harvest	H6757CB	213	23.4	9.1	8.0	3	57					
Doebler's	277XB	157	23.6	6.7	9.0	1	58					
	Mean	158	21.6	7.3	8.1	7	57					
	CV	15	7.6		7.1		3					
	LSD	40	2.7		0.9		3					
	SD	24	1.6		0.6		2					

A second year corn plot that benefited from the more timely rains and extra heat that much of northern NY received this year.

**Table 7. 2005 Medium Early Maturity Hybrids Trial Summary  
(Chemung, Albion, New Hope, Lansing, Sackets Harbor)**

Brand	Hybrid	Yield Bu/A	%	Y/M Ratio	Std	%	Test Wt
			Mois ture		abil ity*	Stalk Ldg	
Cornell	EX5201	172	17.5	9.8	7.7	3	58
Hyland	HLB282	192	17.7	10.8	8.1	4	57
Garst	8880YG1	194	17.8	10.9	8.0	5	57
Hytest	HT7349BT	154	17.8	8.7	7.9	1	58
TA Seeds	TA3883	168	17.9	9.4	8.3	5	58
NK	N29-A2	188	17.9	10.5	8.0	4	58
NK	N29-G7	186	17.9	10.4	7.9	4	58
UAP	DG53F09	195	17.9	10.9	8.1	2	58
Golden Harvest	H7007BT	191	17.9	10.7	7.9	5	57
Hyland	HL2368	198	18.0	11.0	7.9	5	58
Hyland	HLR234	181	18.1	10.0	8.0	4	58
Garst	8920RR	169	18.1	9.3	7.9	6	58
NK	N22-T8	159	18.1	8.8	7.8	2	58
FS Seeds	4453XRR	189	18.1	10.4	8.0	3	57
UAP	DG53P30	181	18.1	10.0	7.7	5	56
Doebler's	375XRR	164	18.3	9.0	7.7	4	59
TA Seeds	TA4963	178	18.4	9.7	8.6	1	58
NK	N45-A6	207	18.5	11.2	8.2	0	56
FS Seeds	4818BT	201	18.7	10.7	8.4	0	57
Hytest	HT7428BTRR2	199	18.7	10.6	8.1	1	58
NK	N25-J7	167	18.8	8.9	8.5	0	58
Doebler's	469XP	190	18.8	10.1	8.1	2	57
Hytest	HT7435BT	200	18.8	10.6	8.5	1	58
Hyland	HL2507	187	18.9	9.9	8.1	1	57
FS Seeds	4717	196	18.9	10.4	8.2	1	57
Golden Harvest	EX38071BTRR	213	18.9	11.3	8.7	0	58
Doebler's	494RYG	200	19.0	10.5	8.3	0	58
Hyland	HLB292	193	19.4	9.9	8.4	1	56
UAP	DG55P98	195	19.6	9.9	8.1	1	58
	Mean	187	18.4	10.2	8.1	3	58
	CV	11	2.8		6.2		3
	LSD	15	0.4		0.5		1
	SD	21	0.5		0.5		2

\*Standability based on 3 locations only

**Table 8. 2005 Medium Early Maturity Hybrids, Chemung, Chemung County, Southern Tier NY**

Brand	Hybrid	Yield Bu/A	% Moisture	Y/M Ratio	Std ability	% Stalk Ldg	Test Wt		Planted: May 5 2005		Harvested: Nov 4-5 2005	
									86/50 Growing Degree Days		Rainfall (Inches)	
									2005	Ave.	2005	Ave.
FS Seeds	4453XRR	214	16.4	13.0	8.0	3	60					
Cornell	EX5201	221	16.5	13.4	8.0	1	59					
Hyttest	HT7435BT	210	16.8	12.5	8.7	0	60					
Hyttest	HT7349BT	160	16.8	9.5	8.0	0	58					
NK	N29-G7	237	16.9	14.0	8.3	1	59	May	268	361	1.3	3.2
FS Seeds	4717	234	16.9	13.8	8.3	1	56	June	634	514	2.9	4.0
UAP	DG53P30	179	16.9	10.6	7.3	3	56	July	706	606	2.7	3.2
NK	N29-A2	232	17.0	13.6	8.0	2	58	Aug	686	631	4.0	3.3
Golden Harvest	H7007BT	199	17.0	11.7	8.0	2	57	Sept	466	418	1.4	3.7
Hyttest	HT7428BTRR2	233	17.0	13.7	8.3	0	59	Oct	157	167	7.0	3.0
TA Seeds	TA3883	174	17.1	10.2	8.3	0	58					
TA Seeds	TA4963	182	17.1	10.6	8.7	1	59	Total	2917	2697	19.4	20.24
Hyland	HL2507	205	17.1	12.0	8.3	2	57	% Norm	108		95.9	
NK	N45-A6	243	17.1	14.2	8.7	1	59	Departure	220		-0.8	
UAP	DG53F09	188	17.1	11.0	8.3	2	55					
Doebler's	494RYG	236	17.1	13.8	8.3	1	59					
Garst	8920RR	158	17.2	9.2	8.0	2	55					
Garst	8880YG1	213	17.2	12.4	7.7	3	55					
Hyland	HLB292	233	17.2	13.5	8.7	0	56					
Doebler's	469XP	227	17.2	13.2	8.3	2	59					
Doebler's	375XRR	175	17.2	10.2	7.0	3	60					
Hyland	HL2368	182	17.3	10.5	7.7	5	57					
Hyland	HLB282	207	17.3	12.0	7.7	2	57					
FS Seeds	4818BT	232	17.3	13.4	8.7	0	57					
Hyland	HLR234	167	17.4	9.6	7.7	5	57					
Golden Harvest	EX38071BTRR	223	17.4	12.8	9.0	0	60					
NK	N22-T8	187	17.5	10.7	7.7	2	59					
UAP	DG55P98	217	17.5	12.4	8.3	1	60					
NK	N25-J7	195	17.7	11.0	8.7	0	59					
	Mean	206	17.1	12.0	8.2	2	58					
	CV	9	2.0		5.9		3					
	LSD	31	0.6		0.8		3					
	SD	19	0.3		0.5		2					

A nice, tall crop with excellent yields. Various leaf diseases were present in the field, but do not appear to have hurt the crop too much.



**Table 9. 2005 Medium Early Maturity Hybrids, Albion, Orleans County, Western NY**

Brand	Hybrid	Yield Bu/A	% Moisture	Y/M Ratio	Stand ability	% Stalk Ldg	Test Wt	Planted: April 21 2005	Harvested: Nov 11 2005			
									Growing Degree Days		Rainfall (Inches)	
Garst	8880YG1	192	15.3	12.5	8.0	4	62	86/50				
Hyland	HLB282	198	15.3	12.9	8.0	1	62	Growing				
Hyland	HLR234	167	15.4	10.8	8.0	7	61	Degree Days				
Golden Harvest	H7007BT	207	15.6	13.3	7.3	9	61					
Hyland	HL2368	212	15.8	13.4	7.7	4	61	May	252	332	1.0	3.0
UAP	DG53F09	208	15.8	13.2	7.7	3	62	June	670	523	2.1	3.6
Garst	8920RR	178	16.0	11.1	7.3	10	60	July	776	661	1.9	2.6
UAP	DG53P30	192	16.2	11.9	7.0	16	62	Aug	701	620	4.2	3.2
TA Seeds	TA3883	166	16.4	10.1	8.0	2	61	Sept	529	420	3.5	3.7
NK	N29-G7	188	16.4	11.5	8.0	1	63	Oct	195	197	4.5	2.8
Doebler's	375XRR	179	16.4	10.9	7.7	1	62					
NK	N29-A2	209	16.6	12.6	7.7	0	63	Total	3123	2753	17.1	18.8
Hyland	HL2507	203	16.7	12.2	8.0	1	61	% Norm	113		90.6	
NK	N22-T8	144	16.7	8.6	7.7	6	61	Departure	370		-1.8	
FS Seeds	4453XRR	190	16.7	11.4	8.0	3	60					
NK	N45-A6	203	16.8	12.1	8.0	0	59					
Hyttest	HT7428BTRR2	212	16.9	12.5	8.0	0	60					
Hyland	HLB292	184	17.1	10.8	8.0	0	61					
FS Seeds	4717	205	17.1	12.0	8.0	0	61					
FS Seeds	4818BT	194	17.1	11.3	8.3	0	61					
TA Seeds	TA4963	181	17.2	10.5	8.0	0	63					
Golden Harvest	EX38071BTRR	235	17.2	13.7	8.3	0	63					
Doebler's	469XP	177	17.2	10.3	8.3	0	60					
Doebler's	494RYG	203	17.2	11.8	8.3	0	60					
UAP	DG55P98	191	17.3	11.0	8.0	0	61					
	Mean	193	16.5	11.7	7.9	3	61					
	CV	11	2.0		6.4		2					
	LSD	34	0.5		0.8		2					
	SD	21	0.3		0.5		1					

The very early planting in this plot was followed by a long dry and cool period in May, which affected stand establishment. There was some Stewart's wilt and rust on the plants, but not enough to affect yields much.

**Table 10. 2005 Medium Early Maturity Hybrids, New Hope, Cayuga County, Central NY**

Brand	Hybrid	Yield Bu/A	%		%		Planted: May13 2005	Harvested: Oct 31 2005			
			Mois ture	Y/M Ratio	Stalk Ldg	Test Wt		Degree Days		Rainfall (Inches)	
							2005	Ave.	2005	Ave.	
NK	N22-T8	173	20.5	8.4	0	54	86/50				
Cornell	EX5201	172	20.5	8.4	1	53	Growing				
Hyland	HLB282	189	20.6	9.2	1	50	Degree Days				
TA Seeds	TA3883	209	20.8	10.0	0	53					
NK	N29-A2	193	20.8	9.3	2	54	May	252	331	0.9	3.4
UAP	DG53F09	219	21.2	10.3	0	53	June	653	502	4.9	3.7
Hytest	HT7349BT	157	21.2	7.4	0	52	July	745	647	1.3	4.0
Garst	8920RR	194	21.3	9.1	0	53	Aug	728	601	1.4	3.6
Garst	8880YG1	218	21.3	10.2	1	51	Sept	484	386	4.5	4.2
Golden Harvest	H7007BT	224	21.3	10.5	0	51	Oct	191	176	4.3	3.2
NK	N25-J7	178	21.6	8.2	0	54					
NK	N29-G7	171	21.6	7.9	1	53	Total	3053	2644	17.2	22.0
Hyland	HL2368	212	21.8	9.7	0	54	% Norm	115		78.1	
NK	N45-A6	212	21.8	9.7	0	48	Departure	410		-4.8	
UAP	DG53P30	191	21.8	8.8	0	50					
Doebler's	375XRR	179	21.8	8.2	1	52					
Hyland	HLR234	192	21.9	8.8	2	55					
TA Seeds	TA4963	194	22.0	8.8	0	50					
FS Seeds	4453XRR	207	22.0	9.4	2	51					
Doebler's	469XP	183	22.1	8.3	1	50					
FS Seeds	4818BT	198	22.3	8.9	0	51					
Hytest	HT7435BT	224	22.5	10.0	1	51					
Golden Harvest	EX38071BTRR	218	22.6	9.6	0	50					
Hytest	HT7428BTRR2	196	22.6	8.7	0	54					
FS Seeds	4717	183	22.7	8.1	1	53					
Doebler's	494RYG	201	23.0	8.7	0	54					
Hyland	HL2507	190	23.1	8.2	0	52					
UAP	DG55P98	209	23.6	8.9	3	52					
Hyland	HLB292	192	23.7	8.1	2	51					
	Mean	196	21.9	9.0	1	52					
	CV	11	3.1			5					
	LSD	35	1.1			4					
	SD	21	0.7			2					

Standability not recorded

Very low rainfall in May, July, and August affected stand establishment. Yield appears to have been affected a bit in the Early test but not in the later Medium Early test at this same location.

**Table 11. 2005 Medium Early Maturity Hybrids, Lansing, Cayuga County, Central NY**

Brand	Hybrid	Yield Bu/A	% Moisture		% Stalk Test		Planted: May 12 2005	Harvested: Oct 20 2005			
			Mois ture	Y/M Ratio	Ldg	Test Wt		Degree Days		Rainfall (Inches)	
							2005	Ave.	2005	Ave.	
NK	N29-G7	154	17.2	9.0	8	55	86/50				
Cornell	EX5201	124	17.4	7.1	2	57	Growing		Rainfall		
Hyland	HL2368	184	17.6	10.5	13	57	Degree Days				
NK	N29-A2	134	17.6	7.6	16	56					
FS Seeds	4453XRR	146	17.6	8.3	1	55	May	188	272	0.5	3.3
TA Seeds	TA4963	133	17.9	7.4	2	58	June	549	459	2.8	4.6
UAP	DG53F09	168	17.9	9.4	5	56	July	633	534	2.0	3.9
TA Seeds	TA3883	135	18.0	7.5	20	54	Aug	607	564	5.4	3.6
Hyland	HLR234	185	18.0	10.3	2	56	Sept	387	385	2.0	4.4
Garst	8880YG1	155	18.1	8.6	17	56	Oct	147	175	6.3	3.5
Hyland	HLB282	148	18.1	8.2	18	54					
UAP	DG53P30	179	18.1	9.9	5	54	Total	2511	2389	18.9	23.3
Hyttest	HT7349BT	151	18.1	8.3	3	55	% Norm	105		81.1	
Garst	8920RR	131	18.2	7.2	20	58	Departure	122		-4.4	
Golden Harvest	H7007BT	159	18.3	8.7	9	55					
NK	N22-T8	142	18.4	7.7	1	57					
Doebler's	494RYG	152	18.7	8.1	0	57					
Doebler's	469XP	151	18.9	8.0	4	57					
Hyttest	HT7428BTRR2	166	19.0	8.7	3	56					
NK	N45-A6	176	19.1	9.2	0	54					
FS Seeds	4818BT	176	19.3	9.1	0	57					
NK	N25-J7	135	19.5	6.9	0	57					
Golden Harvest	EX38071BTRR	179	19.5	9.2	0	56					
FS Seeds	4717	148	19.6	7.6	1	55					
Hyland	HL2507	169	19.7	8.6	0	55					
Hyttest	HT7435BT	159	20.0	8.0	2	57					
Hyland	HLB292	159	21.1	7.5	1	53					
UAP	DG55P98	141	21.4	6.6	0	55					
	Mean	155	18.7	8.3	5	56					
	CV	14	3.9			3					
	LSD	37	1.2			3					
	SD	23	0.7			2					

Standability not recorded

Very low rainfall and cool conditions right after planting caused some variation in emergence. Dry hot conditions through June and July probably limited yields.

**Table 12. 2005 Medium Early Maturity Hybrids, Sackets Harbor, Jefferson County, Northern NY**

Brand	Hybrid	Yield Bu/A	% Moisture	Y/M Ratio	Std Ability	% Stalk Ldg	Test Wt	Planted: May 18 2005	Harvested: Nov 8 2005			
									Growing Degree Days		Rainfall (Inches)	
								2005	Ave.	2005	Ave.	
Hyttest	HT7349BT	144	17.0	8.5	8.0	2	62	86/50				
Garst	8880YG1	194	17.3	11.2	8.3	2	61	Growing Degree Days				
Hyland	HLB282	216	17.3	12.5	8.7	0	61	Rainfall (Inches)				
TA Seeds	TA3883	158	17.4	9.1	8.7	1	63	2005	Ave.	2005	Ave.	
NK	N29-A2	175	17.4	10.1	8.3	0	62	May	208	274	0.9	2.9
Hyland	HL2368	199	17.5	11.4	8.3	3	62	June	574	439	1.8	2.8
Golden Harvest	H7007BT	167	17.5	9.5	8.3	6	59	July	664	589	4.2	2.5
Cornell	EX5201	170	17.5	9.7	7.7	9	61	Aug	620	546	6.4	3.1
Garst	8920RR	186	17.6	10.6	8.3	0	62	Sept	421	346	6.1	3.9
Hyland	HLR234	195	17.6	11.1	8.3	3	60	Oct	153	152	4.9	3.1
NK	N22-T8	147	17.6	8.4	8.0	3	61					
NK	N29-G7	183	17.6	10.4	7.3	7	62	Total	2640	2346	24.3	18.3
FS Seeds	4818BT	205	17.6	11.6	8.3	1	60	% Norm	113		132.7	
UAP	DG53P30	163	17.6	9.3	8.7	1	60	Departure	294		6.0	
TA Seeds	TA4963	201	17.7	11.4	9.0	1	61					
NK	N45-A6	203	17.7	11.5	8.0	1	60					
UAP	DG53F09	189	17.7	10.7	8.3	1	62					
Doebler's	375XRR	148	17.7	8.4	8.3	6	61					
FS Seeds	4453XRR	189	17.8	10.6	8.0	4	61					
Hyttest	HT7435BT	202	17.8	11.3	8.7	2	61					
Hyland	HL2507	171	17.9	9.6	8.0	2	61					
Golden Harvest	EX38071BTRR	210	17.9	11.7	8.7	2	61					
Hyland	HLB292	197	18.0	10.9	8.7	1	59					
NK	N25-J7	158	18.1	8.7	8.7	0	61					
Hyttest	HT7428BTRR2	186	18.1	10.3	8.0	1	62					
FS Seeds	4717	210	18.2	11.5	8.3	2	60					
UAP	DG55P98	219	18.3	12.0	8.0	3	60					
Doebler's	469XP	210	18.4	11.4	7.7	3	61					
Doebler's	494RYG	210	18.9	11.1	8.3	1	58					
	Mean	186	17.7	10.5	8.3	2	61					
	CV	13	1.9		6.8		3					
	LSD	40	0.6		0.9		3					
	SD	24	0.3		0.6		2					

A well manured field that received good rainfall from July through harvest.

**Table 13. 2005 Medium Maturity Hybrids Trial Summary  
(Pittsford, Avon, Kingston, Chemung)**

<b>Brand</b>	<b>Hybrid</b>	<b>Yield Bu/A</b>	<b>% Moisture</b>	<b>Y/M Ratio</b>	<b>Std ability</b>	<b>% Stalk Ldg</b>	<b>Test Wt</b>
Dekalb	DKC54-51YGCB	171	17.0	10.1	8.0	5	57
Doebler's	494RYG	178	17.1	10.4	8.3	1	56
FS Seeds	5737	185	17.4	10.6	8.1	3	57
Golden Harvest	H8084	184	17.5	10.5	7.8	4	56
Doebler's	575XB	182	17.5	10.4	8.5	1	56
Hyland	HLB344	205	17.7	11.6	8.3	3	57
Doebler's	537RB	201	17.7	11.4	8.3	0	57
Dekalb	DKC57-84YGCB	182	17.8	10.2	8.1	3	57
TA Seeds	TA5753	180	17.9	10.1	8.8	1	55
Chemgro	6350RRBT	184	18.0	10.2	8.3	1	58
TA Seeds	TA5331	193	18.1	10.7	8.6	2	58
NK	N48-L4	180	18.1	9.9	8.0	5	57
Hyland	HLB332	200	18.3	10.9	8.1	5	56
UAP	DG5324BT	194	18.3	10.6	8.3	5	56
Dekalb	DKC61-72RR2	212	18.4	11.5	7.8	6	57
Hyland	HL2676	196	18.5	10.6	8.0	3	56
Hyttest	HT7560BTRR2	188	18.9	9.9	8.4	2	57
Golden Harvest	H8906	209	19.0	11.0	7.5	5	56
Hyttest	HT7615BTRR2	225	19.1	11.8	8.2	3	57
Golden Harvest	H8920	207	19.3	10.7	8.2	4	56
	Mean	193	18.1	10.7	8.2	3	57
	CV	14	4.1		7.5		3
	LSD	22	0.6		0.5		2
	SD	27	0.7		0.6		2

**Table 14. 2005 Medium Maturity Hybrids, Pittsford, Monroe County, Western NY**

Brand	Hybrid	Yield Bu/A	% Moisture	Y/M Ratio	Std ability	% Stalk Ldg	Test Wt	Planted: May 20 2005	Harvested: Nov 14 2005			
									Growing Degree Days		Rainfall (Inches)	
								2005	Ave.	2005	Ave.	
FS Seeds	5737	147	15.8	9.3	7.3	10	59	86/50				
Dekalb	DKC54-51YGCB	159	15.9	10.0	7.7	11	60	Growing				
Doebler's	494RYG	146	15.9	9.2	8.0	2	59	Degree Days				
Hyland	HLB344	163	16.1	10.1	7.0	8	58					
NK	N48-L4	143	16.4	8.7	7.0	10	61	May	210	323	1.2	2.8
Golden Harvest	H8084	157	16.5	9.5	7.7	4	57	June	606	508	2.4	3.4
Dekalb	DKC57-84YGCB	159	16.7	9.5	7.3	5	59	July	700	653	3.4	2.9
UAP	DG5324BT	162	16.7	9.7	7.7	9	58	Aug	697	605	5.1	3.5
TA Seeds	TA5753	136	16.8	8.1	9.0	0	57	Sept	482	394	5.0	3.5
Doebler's	575XB	173	16.9	10.2	8.7	0	57	Oct	207	185	3.5	2.6
Doebler's	537RB	168	16.9	9.9	8.0	0	59					
TA Seeds	TA5331	182	17.0	10.7	8.0	5	61	Total	2902	2667	20.6	18.7
Dekalb	DKC61-72RR2	168	17.2	9.8	7.7	7	58	% Norm	109		110.2	
Chemgro	6350RRBT	152	17.2	8.8	8.3	1	59					
Hyland	HL2676	157	17.3	9.1	8.0	2	56					
Hytest	HT7560BTRR2	144	17.3	8.3	8.0	6	57					
Golden Harvest	H8906	139	17.4	8.0	7.3	8	60					
Hyland	HLB332	188	17.5	10.7	8.0	11	58					
Hytest	HT7615BTRR2	195	17.6	11.1	8.0	2	58					
Golden Harvest	H8920	167	17.7	9.4	8.3	5	59					
	Mean	160	16.8	9.5	7.9	5	59					
	CV	11	2.5		5.3		3					
	LSD	29	0.7		0.7		3					
	SD	17	0.4		0.4		2					

A nice clean field. Cool dry conditions after planting resulted in variable emergence, but the crop benefited from timely rains and good heat during the growing season.

**Table 15. 2005 Medium Maturity Hybrids, Avon, Livingston County, Western NY**

Brand	Hybrid	Yield Bu/A	% Moisture	Y/M Ratio	Std ability	% Stalk Ldg	Test Wt	Planted:	Harvested:				
								May 11 2005	Nov 2 2005				
Doebler's	494RYG	151	17.6	8.6	8.0	3	55	86/50					
Dekalb	DKC54-51YGCB	136	18.0	7.6	8.0	2	53	Growing	Rainfall				
Doebler's	575XB	145	18.2	8.0	8.7	1	54	Degree Days	(Inches)				
FS Seeds	5737	152	18.3	8.3	7.3	3	57	<b>2005</b>	<b>Ave.</b>	<b>2005</b>	<b>Ave.</b>		
Dekalb	DKC57-84YGCB	142	18.4	7.7	8.7	2	55	May	227	313	1.6	2.9	
Golden Harvest	H8084	159	18.7	8.5	8.0	1	54	June	617	496	2.4	3.5	
Doebler's	537RB	155	18.9	8.2	8.7	1	56	July	707	625	2.5	2.8	
Hyland	HLB332	172	19.1	9.0	8.3	3	54	Aug	662	580	4.2	3.3	
Hytest	HT7560BTRR2	156	19.1	8.2	8.3	1	55	Sept	461	393	5.8	3.5	
Hyland	HLB344	165	19.5	8.5	8.7	2	55	Oct	193	191	4.0	2.6	
NK	N48-L4	161	19.6	8.2	8.7	7	54						
Golden Harvest	H8906	161	19.8	8.1	7.7	9	52	Total	2867	2598	20.5	18.49	
Hytest	HT7615BTRR2	177	19.9	8.9	8.0	10	55	% Norm	110		110.6		
TA Seeds	TA5753	147	20.1	7.3	8.7	3	55	Departure	269		2.0		
Hyland	HL2676	163	20.3	8.0	7.3	6	55						
UAP	DG5324BT	167	20.3	8.2	8.0	11	56						
Golden Harvest	H8920	157	20.3	7.7	8.3	5	53						
TA Seeds	TA5331	160	20.7	7.7	9.0	0	57						
	Mean	157	19.3	8.2	8.2	4	55						
	CV	12	4.7		9.0		5						
	LSD	31	1.5		1.2		4						
	SD	19	0.9		0.7		2						

This field was on the dry side until after flowering. It was a nice clean field but got a fair amount of deer damage towards harvest time.

**Table 16. 2005 Medium Maturity Hybrids, Kingston, Ulster County, Hudson Valley NY**

Brand	Hybrid	Yield Bu/A	% Moisture	Y/M Ratio	Std ability	% Stalk Ldg	Test Wt	Planted:		Harvested:		
								May 9 2005	May 9 2005	Nov 2-3 2005	Nov 2-3 2005	
Doebler's	575XB	210	16.2	13.0	7.7	3	57	86/50				
TA Seeds	TA5331	189	16.4	11.5	8.7	1	56	Growing		Rainfall		
Doebler's	537RB	240	16.5	14.5	8.0	0	59	Degree Days		(Inches)		
Golden Harvest	H8084	188	16.6	11.3	7.3	8	57	<b>2005</b>	<b>Ave.</b>	<b>2005</b>	<b>Ave.</b>	
UAP	DG5324BT	208	16.7	12.5	8.7	1	56	May	258	341	2.2	4.6
Doebler's	494RYG	210	16.7	12.6	8.7	1	54	June	652	521	1.9	4.3
Dekalb	DKC54-51YGCB	195	16.8	11.6	8.3	4	57	July	749	619	5.0	4.2
TA Seeds	TA5753	216	16.9	12.8	8.3	2	55	Aug	707	654	2.3	3.9
Chemgro	6350RRBT	226	16.9	13.4	8.3	1	57	Sept	510	443	1.4	4.3
Dekalb	DKC61-72RR2	229	17.0	13.5	7.7	5	56	Oct	246	180	16.4	3.8
Hyland	HLB344	228	17.0	13.4	9.0	0	57					
Hytest	HT7615BTRR2	250	17.0	14.7	8.0	1	56	Total	3122	2758	29.1	25.1
Dekalb	DKC57-84YGCB	197	17.1	11.5	8.0	5	56	% Norm	113		115.9	
Hyland	HLB332	220	17.1	12.9	7.7	7	56	Departure	365		4.0	
NK	N48-L4	207	17.1	12.1	8.0	3	54					
FS Seeds	5737	233	17.1	13.6	8.7	0	55					
Hyland	HL2676	214	17.3	12.4	7.7	3	56					
Golden Harvest	H8920	241	17.4	13.9	8.0	4	55					
Golden Harvest	H8906	259	17.9	14.5	7.0	4	57					
Hytest	HT7560BTRR2	219	18.0	12.2	8.3	1	57					
	Mean	219	17.0	12.9	8.1	3	56					
	CV	14	3.4		9.4		3					
	LSD	49	1.0		1.3		2					
	SD	29	0.6		0.8		1					

A sandy site but fairly good rainfall distribution allowed for an excellent crop. Various leaf diseases were present in the field, but less gray leaf spot than we have seen at this site in recent years.



**Table 17. 2005 Medium Maturity Hybrids, Chemung, Chemung County, Southern Tier NY**

Brand	Hybrid	Yield Bu/A	% Moisture	Y/M Ratio	Std ability	% Stalk Ldg	Test Wt	Planted: May 5 2005		Harvested: Nov 4-5 2005		
								Degree Days	Rainfall (Inches)	2005 Ave.	2005 Ave.	
Dekalb	DKC54-51YGCB	196	17.4	11.3	8.0	1	58	86/50				
TA Seeds	TA5753	219	18.0	12.2	9.0	0	55	Growing		Rainfall		
Doebler's	494RYG	203	18.0	11.3	8.7	0	56					
TA Seeds	TA5331	239	18.2	13.1	8.7	0	58					
Hyland	HLB344	265	18.3	14.5	8.7	0	57	May	268	361	1.3	3.2
Golden Harvest	H8084	233	18.3	12.7	8.0	3	57	June	634	514	2.9	4.0
Doebler's	537RB	241	18.3	13.2	8.7	0	56	July	706	606	2.7	3.2
FS Seeds	5737	209	18.4	11.4	9.0	0	57	Aug	686	631	4.0	3.3
Doebler's	575XB	198	18.6	10.6	9.0	0	57	Sept	466	418	1.4	3.7
Chemgro	6350RRBT	206	18.7	11.0	8.3	0	58	Oct	157	167	7.0	3.0
Dekalb	DKC57-84YGCB	232	18.8	12.3	8.3	1	57					
Hyland	HL2676	250	19.1	13.1	9.0	0	57	Total	2917	2697	19.4	20.24
NK	N48-L4	210	19.1	11.0	8.3	2	59	% Norm	108		95.9	
Hyland	HLB332	221	19.4	11.4	8.3	1	56	Departure	220		-0.8	
Dekalb	DKC61-72RR2	280	19.5	14.4	8.0	4	58					
UAP	DG5324BT	237	19.5	12.2	8.7	0	55					
Golden Harvest	H8906	278	20.9	13.3	8.0	1	56					
Hyttest	HT7560BTRR2	232	21.3	10.9	9.0	0	57					
Golden Harvest	H8920	264	21.5	12.3	8.0	3	58					
Hyttest	HT7615BTRR2	279	21.9	12.7	8.7	0	58					
	Mean	235	19.2	12.2	8.5	1	57					
	CV	16	4.7		5.4		3					
	LSD	60	1.5		0.8		3					
	SD	37	0.9		0.5		2					

A nice, tall crop with excellent yields. Various leaf diseases were present in the field, but do not appear to have hurt the crop too much.

**Table 18. 2005 Late Maturity Hybrids Trial Summary  
(Avon, Pittsford, Kingston)**

<b>Brand</b>	<b>Hybrid</b>	<b>Yield Bu/A</b>	<b>% Mois ture</b>	<b>Y/M Ratio</b>	<b>Std abil ity</b>	<b>% Stalk Ldg</b>	<b>Test Wt</b>
Doebler's	648RYG	176	18.0	9.8	7.7	5	55
TA Seeds	TA6993	178	18.3	9.7	7.2	7	56
Hyttest	HT7749BTRR2	180	20.2	8.9	7.7	8	55
	Mean	179	18.8	9.6	7.5	7	55
	CV	13	2.6		11.8		4
	LSD	22	0.5		0.9		2
	SD	23	0.5		0.9		2

**Table 19. 2005 Late Maturity Hybrids, Avon, Livingston County, Western NY**

Brand	Hybrid	Yield Bu/A	% Moisture	Y/M Ratio	Std ability	% Stalk Ldg	Test Wt		Planted:	Harvested:		
									May 11 2005	Nov 2 2005		
Doebler's	648RYG	175	19.3	9.1	7.7	4	50		86/50			
TA Seeds	TA6993	163	20.0	8.2	7.0	9	50		Growing	Rainfall		
Hyttest	HT7749BTRR2	171	22.2	7.7	8.0	2	50		Degree Days (Inches)			
	Mean	170	20.5	8.3	7.6	5	50	May	2005	Ave.	2005	Ave.
	CV	11	2.1		10.9		6	June	617	496	2.4	3.5
	LSD	35	0.8		1.6		6	July	707	625	2.5	2.8
	SD	19	0.4		0.9		6	Aug	662	580	4.2	3.3
								Sept	461	393	5.8	3.5
								Oct	193	191	4.0	2.6
								Total	2867	2598	20.5	18.49
								% Norm	110		110.6	
								Departure	269		2.0	

This field was on the dry side until after flowering. It was a nice clean field but got a fair amount of deer damage towards harvest time.

**Table 20. 2005 Late Maturity Hybrids, Pittsford, Monroe County, Western NY**

Brand	Hybrid	Yield Bu/A	% Moisture	Y/M Ratio	Std ability	% Stalk Ldg	Test Wt		Planted:	Harvested:		
									May 20 2005	Nov 14 2005		
TA Seeds	TA6993	158	17.7	8.9	7.7	3	60		86/50			
Doebler's	648RYG	147	17.8	8.3	7.7	4	58		Growing	Rainfall		
Hyttest	HT7749BTRR2	157	20.8	7.5	8.0	10	58		Degree Days (Inches)			
	Mean	154	18.8	8.2	7.8	6	59	May	2005	Ave.	2005	Ave.
	CV	11	3.6		8.8		2	June	606	508	2.4	3.4
	LSD	33	1.2		1.3		2	July	700	653	3.4	2.9
	SD	18	0.7		0.7		2	Aug	697	605	5.1	3.5
								Sept	482	394	5.0	3.5
								Oct	207	185	3.5	2.6
								Total	2902	2667	20.6	18.7
								% Norm	109		110.2	
								Departure	235		1.9	

A nice clean field. Cool dry conditions after planting resulted in variable emergence, but the crop benefited from timely rains and good heat during the growing season.

**Table 21. 2005 Late Maturity Hybrids, Kingston, Ulster County, Hudson Valley NY**

Brand	Hybrid	Yield Bu/A	% Moisture	Y/M Ratio	Std ability	% Stalk Ldg	Test Wt	Planted:		Harvested:		
								May 9 2005		Nov 2-3 2005		
Doebler's	648RYG	207	16.8	12.3	7.7	5	57	86/50				
TA Seeds	TA6993	214	17.1	12.5	7.0	10	57	Growing		Rainfall		
Hyttest	HT7749BTRR2	214	17.5	12.2	7.0	13	56	Degree Days		(Inches)		
	Mean	212	17.1	12.4	7.2	9	57	2005	Ave.	2005	Ave.	
	CV	14	1.7		15.3		3	May	258	341	2.2	4.6
	LSD	56	0.6		2.1		3	June	652	521	1.9	4.3
	SD	30	0.3		1.1		2	July	749	619	5.0	4.2
								Aug	707	654	2.3	3.9
								Sept	510	443	1.4	4.3
								Oct	246	180	16.4	3.8
								Total	3122	2758	29.1	25.1
								% Norm	113		115.9	
								Departure	365		4.0	

A sandy site but fairly good rainfall distribution allowed for an excellent crop. Various leaf diseases were present in the field, but less gray leaf spot than we have seen at this site in recent years.