

Cornell University
Cooperative Extension

2008 New York Hybrid Corn Grain Performance Trials



Plant Breeding and Genetics 2009-1



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 2008 commercial hybrid corn grain trials. It shows results from ten locations in New York, divided into the following three 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 | 100-115 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, and maturity 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, 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 2009 trials, please contact Judy Singer at jls10@cornell.edu or 607-255-5461 or Margaret Smith.

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Building Strong and Vibrant New York Communities

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2008 Growing Conditions

In 2008, we started off with generally dry weather in May that helped with getting the corn crop in the ground in a timely manner. Temperatures were a bit cool but overall conditions for planting were good. Temperatures were above long-term averages around the state in June and July, with some record-breaking heat in the central region of the state in early June. Rainfall was above average for June and quite a bit above average for July. The Champlain Valley in June and Central Lakes area in July were especially wet. A storm with very high winds passed through northern New York in mid July, knocking down large trees in the Chazy area (one of which fell on a part of our test plot). Seasonal or slightly cool temperatures prevailed in August, with rainfall about average in much of the state. Conditions were a bit dry in the St. Lawrence Valley and a bit wet in the western part of the state. September was generally a bit warmer than long-term averages and tended to be dry. The southeast corner of the state was wet, probably due to effects of tropical storm Hanna early in the month, which also caused lodging at Kingston. Winds from the edges of Hurricane Ike caused stalk lodging pressure around central and northern parts of the state, particularly at Sackets Harbor where the wind lodged many fields of corn, including our plot. As we moved into October, temperatures were a bit cool and conditions were wetter than long-term averages, slowing grain dry-down and harvest operations. The last week of October brought considerable rain and snow. A foot of snow on the hurricane-lodged field at Sackets Harbor caused some loss of harvestable plots. With cool conditions continuing into November, much corn around the state stayed standing in the field later than usual and harvest continued slowly. By early fall, rust and eyespot were common in central and northern parts of the state, and anthracnose leaf blight and gray leaf spot were present in central and southern parts of the state. Northern leaf blight and European corn borer were noticeable at isolated locations. Despite the challenging harvest conditions, the state average corn grain yield was reported as 144 bu/acre – 15 bu/A above the previous record high!

Testing Procedures

Regional test locations for 2008 are shown on page –iii-. Tests were planted in 1/500 acre plots with three replications per location. All sites, except Chazy, were machine planted and combine harvested. Plot grain weights and grain moisture percentages were measured electronically on the combine. Grain yields were adjusted to 15.5% moisture for computation and comparison.

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**).

Early Vigor, Plant Height, Staygreen, and Gray Leaf Spot Ratings

At some locations, we collected data on early vigor, plant height, staygreen, and/or gray leaf spot severity. These data are all based on rating scales. Early vigor was evaluated at knee-high stage or a bit earlier, with 6 = excellent vigor and 1 = very poor vigor. Plant height (**Plnt Ht**) was assessed after flowering, with 6 = vigorous tall plants and 1 = short plants. Staygreen (**Stay Grn**) is a measure of how much green leaf area remains on plants in late September or early October; 5 = completely dry plants and 1 = completely green plants. Gray leaf spot (caused by *Cercospora zea-maydis*) was prevalent in several plots, and the severity was rated with 5 = completely susceptible (lots of rust on many leaves) and 1 = very resistant (little or no rust on the leaves).

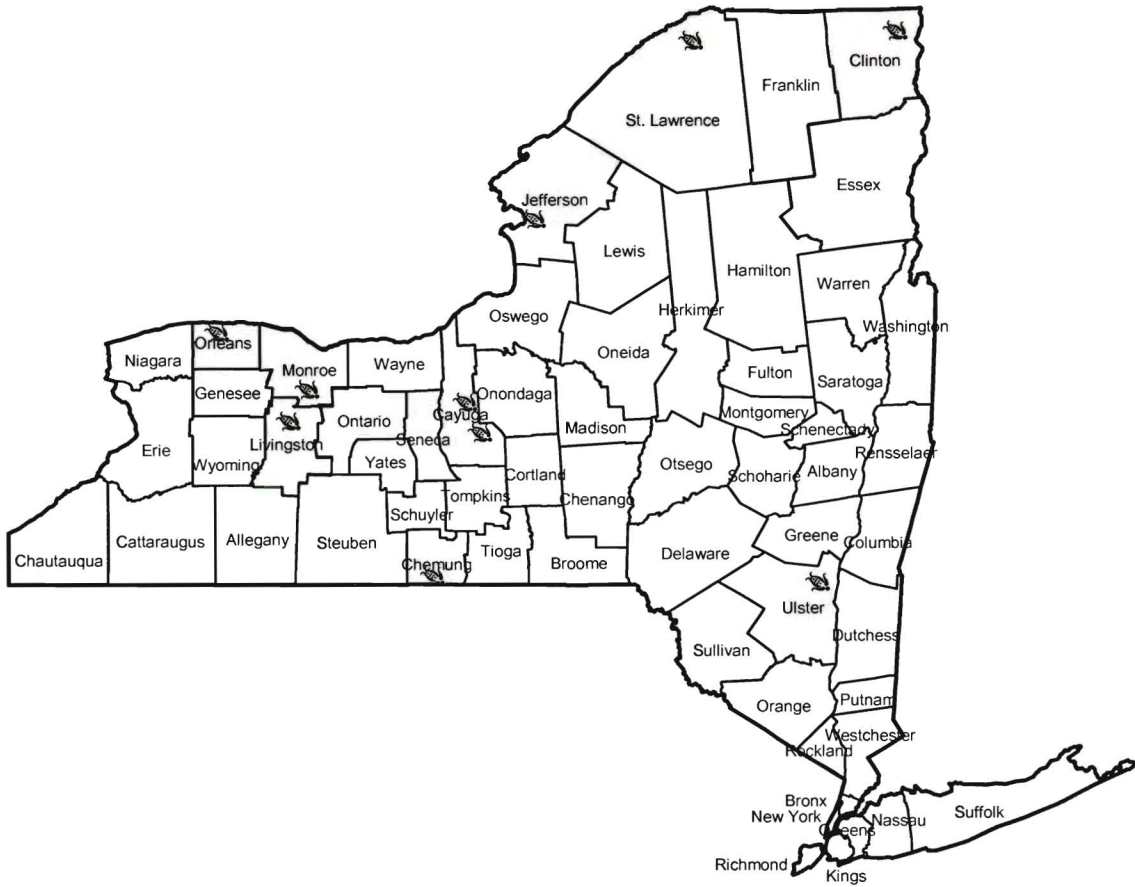
CV, LSD, SD

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 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.

**NOTE: 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.

2008 Trial Locations



**2008
Cooperators**

Early Grain Series

| County | Cornell Cooperative Extension Local Contact | Cooperator | Location |
|---------------|--|-------------------|-----------------|
| Orleans | Mike Stanyard | Hugh Dudley | Albion |
| Clinton | CCE – Clinton County | Mike Davis | Chazy |
| St. Lawrence | CCE – St. Lawrence County | Jon Greenwood | Madrid |
| Cayuga | Brian Aldrich | Steve Nemec | New Hope |

Medium Early Grain Series

| County | Cornell Cooperative Extension Local Contact | Cooperator | Location |
|---------------|--|-------------------|-----------------|
| Orleans | Mike Stanyard | Hugh Dudley | Albion |
| Chemung | Janice Degni | Dudley French | Chemung |
| Cayuga | Brian Aldrich | Willet Dairy | Lansing |
| Cayuga | Brian Aldrich | Steve Nemec | New Hope |
| Jefferson | Mike Hunter | Ron Robbins | Sackets Harbor |

Medium Grain Series

| County | Cornell Cooperative Extension Local Contact | Cooperator | Location |
|---------------|--|-------------------|-----------------|
| Livingston | Mike Stanyard | Stokoe Farms | Avon |
| Chemung | Janice Degni | Dudley French | Chemung |
| Ulster | CCE-Ulster County | Joe Hasbrouck | Kingston |
| Monroe | Mike Stanyard | Mark Greene | Pittsford |

Participating Companies
2008 Commercial Hybrid Corn Field Trials

| Company/Brand | Contact for Information | Address & Phone |
|--|---|--|
| Brownseed Genetics, Inc | Charles Brown cbrown@brownseed.com | N1279 530 th Street Bay City, WI 54723 Phone: 715-594-3355 Fax: 715-594-3390 |
| Doebler's PA Hybrids, Inc | Jann Yontz jyontz@doeblers.com | 202 Tiadaghton Avenue Jersey Shore, PA 17740 Phone: 570-753-3210 Fax: 570-753-5302 |
| Growmark FS | Mark Guttendorf mguttendorf@growmarkfs.com | 308 N.E. Front Street Milford, DE 19963 Phone: 607-842-6330 Fax: call first |
| Hyland Seeds | Ryan Snobelen rsnobelen@hylandseeds.com | 1015 North 51 st Street, Suite E Grand Forks, ND 58203 Phone: 800-265-7403 Fax: 519-676-5674 |
| HYTEST Seeds | Ron Brown rcbrown@landolakes.com | 235 West Street Canandaigua, NY 14424 Phone: 585-455-9667 Fax: 585-394-3868 |
| Long Island Cauliflower Association, Inc | Carl Key lica1901@hamptons.com | 139 Marcy Avenue Riverhead, NY 11901-3099 Phone: 631-727-2212 Fax: 631-727-4295 |
| Monsanto DEKALB brand | Diane Freeman diane.freeman@monsanto.com | 800 N. Lindbergh Blvd. St. Louis, MO 63167 Phone: 815-754-4809 Fax: 815-754-4814 |
| Syngenta Seeds NK Seeds and Garst | John Richman john.richman@syngenta.com | PO Box 959 Minneapolis, MN 55440 Phone: 856-381-7772 Fax: 856-935-3157 |
| T A Seeds, LLC | Taylor Doebler taylor@taseeds.com | 39 Seeds Lane Jersey Shore, PA 17740 Phone: 570-753-5503 Fax: 570-753-4445 |
| UAP Distribution, Inc Dyna-Gro Brand | Tom Barber tom.barber@UAP.com | 140 Office Parkway Pittsford, NY 14534 Phone: 585-586-1330 Fax: 585-586-1642 |

**Table 1. 2008 Early Maturity Hybrids Trial Summary
(Madrid, Albion, New Hope)**

| Brand | Hybrid | Yield Bu/A | % | Y/M Ratio | Std | % | Early Vigor* | Plnt Ht |
|-------------|---------------|---------------|--------------|--------------|--------------|--------------|-----------------|------------|
| | | | Mois ture | | abil ity* | Stalk Ldg | | |
| Hyland | HLCVR44 | 190 | 21.1 | 9.0 | 7.8 | 3 | 4.8 | 2.9 |
| Hyland | HLR230 | 186 | 21.5 | 8.7 | 7.3 | 5 | 4.3 | 4.0 |
| Growmark FS | 3968VT3 | 200 | 21.5 | 9.3 | 7.5 | 2 | 4.3 | 4.7 |
| Hyland | HLB263RR | 166 | 21.6 | 7.7 | 7.5 | 10 | 5.0 | 5.4 |
| T A Seeds | TA290-19 | 181 | 21.6 | 8.4 | 7.2 | 13 | 4.8 | 3.9 |
| T A Seeds | TA370-00 | 211 | 21.6 | 9.8 | 7.3 | 16 | 3.2 | 5.0 |
| Hyland | HLCVR48 | 202 | 21.7 | 9.3 | 7.7 | 3 | 4.0 | 4.8 |
| Dekalb | DKC38-89(VT3) | 208 | 21.7 | 9.6 | 7.8 | 0 | 4.5 | 4.1 |
| Doebler's | 372XRR | 194 | 21.9 | 8.9 | 8.0 | 4 | 4.3 | 4.3 |
| Growmark FS | 3989VT3 | 205 | 22.1 | 9.3 | 7.5 | 4 | 4.8 | 4.4 |
| Hyttest | HT7220Bt/RR | 202 | 22.2 | 9.1 | 7.0 | 2 | 2.8 | 5.2 |
| Growmark FS | 4282VT3 | 200 | 22.3 | 9.0 | 7.5 | 6 | 3.4 | 4.7 |
| | Mean | 195 | 21.7 | 9.0 | 7.5 | 6 | 4.2 | 4.4 |
| | CV | 9 | 5.3 | | 6.9 | | | |
| | LSD | 16 | 1.1 | | 0.5 | | | |
| | SD | 17 | 1.2 | | 0.5 | | | |

*2 locations only

Table 2. 2008 Early Maturity Hybrids, Madrid, St. Lawrence County, Northern N'

| Brand | Hybrid | Yield Bu/A | % Moisture | | % Stalk | | Early Ldg | Vigor | Plnt Ht | Planted: | | Harvested: | |
|-------------|---------------|---------------|--------------|--------------|---------|----------------|--------------|-----------|------------|-------------|-------------|-------------|-------------|
| | | | Mois ture | Y/M Ratio | Ldg | Early Vigor | | | | May 5 2008 | Nov 6 2008 | 2008 | 2008 |
| Hyland | HLCVR44 | 199 | 23.6 | 8.4 | 2 | 4.8 | 3.0 | | | 85/50 | | | |
| T A Seeds | TA370-00 | 228 | 24.0 | 9.5 | 13 | 3.5 | 5.7 | | | Growing | Rainfall | | |
| Doebler's | 372XRR | 207 | 24.0 | 8.6 | 1 | 4.7 | 5.3 | | | Degree Days | (Inches) | | |
| Hyland | HLCVR48 | 202 | 24.2 | 8.3 | 0 | 3.8 | 5.3 | | | 2008 | Ave. | 2008 | Ave. |
| Hyttest | HT7220Bt/RR | 216 | 24.2 | 8.9 | 1 | 3.2 | 6.0 | May | 229 | 282 | 3.2 | 3.1 | |
| Growmark FS | 3968VT3 | 193 | 24.5 | 7.9 | 3 | 4.2 | 5.3 | June | 513 | 450 | 2.8 | 3.3 | |
| T A Seeds | TA290-19 | 188 | 24.7 | 7.6 | 10 | 4.5 | 4.0 | July | 599 | 587 | 4.3 | 3.6 | |
| Growmark FS | 4282VT3 | 207 | 24.7 | 8.4 | 9 | 4.0 | 5.3 | Aug | 488 | 534 | 4.1 | 4.1 | |
| Growmark FS | 3989VT3 | 199 | 25.4 | 7.8 | 1 | 5.2 | 5.3 | Sept | 363 | 325 | 2.1 | 4.3 | |
| Dekalb | DKC38-89(VT3) | 197 | 25.5 | 7.7 | 0 | 4.8 | 4.3 | Oct | 142 | 140 | 5.5 | 3.3 | |
| Hyland | HLR230 | 189 | 25.7 | 7.4 | 0 | 4.2 | 4.3 | | | | | | |
| Hyland | HLB29R | 176 | 26.3 | 6.7 | 1 | 5.3 | 5.7 | Total | 2334 | 2318 | 22.0 | 21.6 | |
| | | | | | | | | % Norm | 101 | | 101.9 | | |
| | Mean | 200 | 24.7 | 8.1 | 3 | 4.4 | 5.0 | Departure | 15.8 | | 0.4 | | |
| | CV | 7 | 4.0 | | | | | | | | | | |
| | LSD | 21 | 1.6 | | | | | | | | | | |
| | SD | 13 | 1.0 | | | | | | | | | | |

Table 3. 2008 Early Maturity Hybrids, Chazy, Clinton County, Northern N'

| Brand | Hybrid | Yield Bu/A | % Moisture | | % Stalk | | Early Ldg | Vigor | Plnt Ht | Planted: | | Harvested: | |
|-------------|---------------|---------------|--------------|--------------|---------|----------------|--------------|-----------|------------|-------------|-------------|-------------|-------------|
| | | | Mois ture | Y/M Ratio | Ldg | Early Vigor | | | | May 9 2008 | Oct 27 2008 | 2008 | 2008 |
| Hyland | HLCVR48 | 206 | 25.6 | 8.0 | 4 | 4.7 | 5.3 | | | 85/50 | | | |
| Hyland | HLR230 | 235 | 25.7 | 9.1 | 2 | 4.2 | 4.0 | | | Growing | Rainfall | | |
| Hyland | HLB29R | 187 | 25.8 | 7.2 | 6 | 5.0 | 6.0 | | | Degree Days | (Inches) | | |
| T A Seeds | TA290-19 | 232 | 26.1 | 8.9 | 13 | 5.0 | 3.7 | | | 2008 | Ave. | 2008 | Ave. |
| Hyland | HLCVR44 | 217 | 26.2 | 8.3 | 1 | 4.7 | 3.0 | May | 256 | 312 | 1.7 | 2.9 | |
| T A Seeds | TA370-00 | 235 | 26.8 | 8.8 | 3 | 4.0 | 4.5 | June | 560 | 473 | 5.9 | 3.2 | |
| Growmark FS | 3968VT3 | 213 | 26.8 | 7.9 | 2 | 4.7 | 5.0 | July | 688 | 616 | 4.8 | 3.6 | |
| Dekalb | DKC38-89(VT3) | 230 | 29.0 | 7.9 | 1 | 5.0 | 3.7 | Aug | 591 | 566 | 3.6 | 3.9 | |
| Growmark FS | 3989VT3 | 233 | 30.4 | 7.7 | 6 | 4.0 | 4.3 | Sept | 418 | 349 | 2.0 | 3.4 | |
| | | | | | | | | Oct | 147 | 137 | 3.0 | 2.9 | |
| | Mean | 221 | 26.9 | 8.2 | 4 | 4.6 | 4.4 | | | | | | |
| | CV | 9 | 3.4 | | | | | Total | 2660 | 2453 | 20.9 | 19.8 | |
| | LSD | 34 | 1.6 | | | | | % Norm | 108 | | 105.4 | | |
| | SD | 20 | 0.9 | | | | | Departure | 207 | | 1.1 | | |

Table 4. 2008 Early Maturity Hybrids, Albion, Orleans County, Western NY

| Brand | Hybrid | Yield Bu/A | % Mois ture | Y/M Ratio | Stnd abil ity | % Stalk Ldg | Early Vigor | Plnt Ht | | Planted: | Harvested: | | |
|-------------|---------------|---------------|-------------------|--------------|---------------------|-------------------|----------------|------------|-----------|---------------|-------------|-------------|-------------|
| | | | | | | | | | | April 25 2008 | Nov 19 2008 | | |
| Hyland | HLB29R | 166 | 18.0 | 9.2 | 7.7 | 14 | 4.7 | 5.0 | | 85/50 | | | |
| Hyland | HLR230 | 201 | 18.1 | 11.1 | 7.7 | 2 | 4.5 | 3.3 | | Growing | Rainfall | | |
| Growmark FS | 3968VT3 | 203 | 18.5 | 11.0 | 7.3 | 2 | 4.3 | 3.7 | | Degree Days | (Inches) | | |
| Hyland | HLCVR48 | 202 | 18.6 | 10.9 | 7.7 | 6 | 4.2 | 4.3 | | 2008 | Ave. | 2008 | Ave. |
| T A Seeds | TA370-00 | 234 | 18.6 | 12.6 | 7.7 | 13 | 2.8 | 4.0 | May | 272 | 332 | 2.1 | 3.0 |
| Dekalb | DKC38-89(VT3) | 220 | 18.6 | 11.8 | 8.0 | 0 | 4.2 | 3.3 | June | 585 | 523 | 3.2 | 3.6 |
| Growmark FS | 3989VT3 | 211 | 18.6 | 11.3 | 7.3 | 8 | 4.5 | 3.7 | July | 660 | 661 | 5.7 | 2.6 |
| Growmark FS | 4282VT3 | 214 | 18.6 | 11.5 | 7.7 | 1 | 2.8 | 3.7 | Aug | 563 | 619 | 2.7 | 3.2 |
| T A Seeds | TA290-19 | 205 | 19.1 | 10.7 | 7.7 | 10 | 5.0 | 3.3 | Sept | 433 | 420 | 1.7 | 3.7 |
| Hyland | HLCVR44 | 196 | 19.4 | 10.1 | 8.0 | 2 | 4.7 | 2.3 | Oct | 165 | 197 | 5.3 | 2.8 |
| Doebler's | 372XRR | 199 | 19.6 | 10.2 | 8.0 | 1 | 3.8 | 3.7 | | | | | |
| Hytest | HT7220Bt/RR | 227 | 19.7 | 11.5 | 7.0 | 0 | 2.5 | 4.5 | Total | 2678 | 2752 | 20.7 | 18.8 |
| | | | | | | | | | % Norm | 97 | | 109.8 | |
| | Mean | 207 | 18.8 | 11.0 | 7.7 | 5 | 4.0 | 3.7 | Departure | -74 | | 1.9 | |
| | CV | 10 | 3.4 | | 6.4 | | | | | | | | |
| | LSD | 33 | 1.1 | | 0.8 | | | | | | | | |
| | SD | 20 | 0.7 | | 0.5 | | | | | | | | |

Table 5. 2008 Early Maturity Hybrids, New Hope, Cayuga County, Central NY

| Brand | Hybrid | Yield Bu/A | % Mois ture | Y/M Ratio | Stnd abil ity | % Stalk Ldg | Stay Grn | Plnt Ht | | Planted: | Harvested: | | |
|-------------|---------------|---------------|-------------------|--------------|---------------------|-------------------|-------------|------------|-----------|-------------|-------------|-------------|-------------|
| | | | | | | | | | | May 9 2008 | Nov 12 2008 | | |
| Hyland | HLCVR44 | 175 | 20.3 | 8.6 | 7.7 | 4 | 1.2 | 3.3 | | 85/50 | | | |
| Hyland | HLB29R | 155 | 20.5 | 7.6 | 7.3 | 16 | 3.7 | 5.7 | | Growing | Rainfall | | |
| Hyland | HLR230 | 168 | 20.8 | 8.1 | 7.0 | 14 | 2.3 | 4.3 | | Degree Days | (Inches) | | |
| Dekalb | DKC38-89(VT3) | 207 | 20.9 | 9.9 | 7.7 | 0 | 2.2 | 4.7 | | 2008 | Ave. | 2008 | Ave. |
| T A Seeds | TA290-19 | 151 | 21.0 | 7.2 | 6.7 | 19 | 1.8 | 4.3 | May | 208 | 280 | 1.9 | 3.3 |
| Growmark FS | 3968VT3 | 205 | 21.3 | 9.6 | 7.7 | 0 | 2.8 | 5.0 | June | 509 | 478 | 3.9 | 4.6 |
| T A Seeds | TA370-00 | 171 | 22.0 | 7.8 | 7.0 | 21 | 1.8 | 5.3 | July | 578 | 584 | 5.6 | 3.9 |
| Doebler's | 372XRR | 174 | 22.2 | 7.8 | 8.0 | 9 | 2.3 | 4.0 | Aug | 459 | 571 | 4.0 | 3.6 |
| Growmark FS | 3989VT3 | 206 | 22.2 | 9.3 | 7.7 | 2 | 1.3 | 4.3 | Sept | 371 | 389 | 1.7 | 4.4 |
| Hyland | HLCVR48 | 200 | 22.3 | 9.0 | 7.7 | 3 | 1.5 | 4.7 | Oct | 135 | 168 | 5.2 | 3.5 |
| Hytest | HT7220Bt/RR | 162 | 22.6 | 7.2 | 7.0 | 5 | 3.5 | 5.0 | | | | | |
| Growmark FS | 4282VT3 | 180 | 23.6 | 7.6 | 7.3 | 6 | 3.8 | 5.0 | Total | 2260 | 2470 | 22.3 | 23.3 |
| | | | | | | | | | % Norm | 91 | | 95.8 | |
| | Mean | 180 | 21.6 | 8.3 | 7.4 | 8 | 2.4 | 4.6 | Departure | -210 | | -1.0 | |
| | CV | 11 | 7.4 | | 7.3 | | | | | | | | |
| | LSD | 31 | 2.7 | | 0.9 | | | | | | | | |
| | SD | 19 | 1.6 | | 0.5 | | | | | | | | |

**Table 6. 2008 Medium Early Maturity Hybrids Trial Summary
(Chemung, Albion, Lansing, New Hope)**

| Brand | Hybrid | Yield Bu/A | % | Y/M Ratio | Std | % | Early Vigor* | Plnt Ht* |
|-------------|---------------|---------------|--------------|--------------|-------------|--------------|-----------------|-------------|
| | | | Mois ture | | abil ity | Stalk Ldg | | |
| Dyna-Gro | 54V78 | 219 | 20.3 | 10.8 | 7.5 | 13 | 4.1 | 4.4 |
| N K | N27B-CB/LL/RW | 196 | 20.3 | 9.7 | 7.5 | 8 | 4.6 | 3.7 |
| Dekalb | DKC43-27(VT3) | 181 | 20.4 | 8.9 | 7.6 | 6 | 3.8 | 3.4 |
| Growmark FS | 4373VT3 | 204 | 20.6 | 9.9 | 7.8 | 3 | 5.1 | 4.9 |
| LICA | 1898CB/LL | 199 | 20.6 | 9.7 | 7.3 | 19 | 4.1 | 5.2 |
| T A Seeds | TA451-11 | 215 | 20.7 | 10.4 | 7.4 | 9 | 3.6 | 4.6 |
| Growmark FS | 4465VT3 | 216 | 20.7 | 10.4 | 7.8 | 2 | 3.9 | 4.0 |
| Hyland | HLCVR64 | 202 | 21.0 | 9.6 | 7.8 | 2 | 4.7 | 5.0 |
| Hyland | HLCVR54 | 195 | 21.0 | 9.3 | 7.5 | 13 | 3.7 | 4.8 |
| Dekalb | DKC46-60(VT3) | 204 | 21.0 | 9.7 | 7.9 | 2 | 4.2 | 3.7 |
| Dyna-Gro | 55V18 | 216 | 21.5 | 10.0 | 8.0 | 2 | 4.1 | 4.0 |
| Doebler's | 468RB | 202 | 21.5 | 9.4 | 7.8 | 3 | 4.7 | 4.6 |
| T A Seeds | TA497-11 | 212 | 21.6 | 9.8 | 7.4 | 4 | 3.8 | 4.7 |
| Hyttest | HT7398TS | 214 | 21.8 | 9.8 | 7.5 | 13 | 4.4 | 4.0 |
| Growmark FS | 4861VT3 | 223 | 21.9 | 10.2 | 7.8 | 2 | 3.9 | 3.8 |
| Growmark FS | 4819XRR | 209 | 21.9 | 9.5 | 7.8 | 4 | 4.8 | 5.1 |
| Garst | 88C97CB/LL | 215 | 22.0 | 9.8 | 7.4 | 11 | 4.2 | 4.6 |
| Dekalb | DKC50-44(VT3) | 227 | 22.1 | 10.3 | 7.8 | 5 | 4.4 | 4.1 |
| LICA | 9707BT/LL | 191 | 22.1 | 8.6 | 7.2 | 3 | 3.3 | 3.9 |
| Hyttest | HT7428 | 224 | 22.1 | 10.1 | 8.0 | 2 | 4.3 | 3.6 |
| Hyland | HLCVR72 | 211 | 22.3 | 9.5 | 7.8 | 6 | 3.7 | 4.3 |
| Hyland | HLCVR74 | 230 | 22.5 | 10.2 | 7.6 | 4 | 3.8 | 4.1 |
| T A Seeds | TA500-16 | 219 | 22.5 | 9.7 | 8.0 | 2 | 3.8 | 4.8 |
| Doebler's | 467BVR | 210 | 22.8 | 9.2 | 7.7 | 3 | 4.5 | 5.1 |
| Hyland | HLB49R | 220 | 23.5 | 9.4 | 8.0 | 1 | 4.1 | 4.9 |
| LICA | 1900RR/HX | 224 | 23.5 | 9.5 | 7.6 | 7 | 4.2 | 4.9 |
| Growmark FS | 5484VT3 | 217 | 24.5 | 8.9 | 7.8 | 8 | 3.2 | 5.1 |
| | Mean | 211 | 21.7 | 9.7 | 7.7 | 6 | 4.1 | 4.4 |
| | CV | 10 | 7.4 | | 7.2 | | | |
| | LSD | 16 | 1.3 | | 0.4 | | | |
| | SD | 20 | 1.6 | | 0.6 | | | |

*3 locations only

Table 7. 2008 Medium Early Maturity Hybrids, Chemung, Chemung County, Southern Tier NY

| Brand | Hybrid | Yield Bu/A | % Moisture | | Y/M Ratio | Std abil ity | % Stalk Ldg | Early Vigor | Plnt Ht | Planted: May 7 2008 | | Harvested: Dec 6 2008 | |
|-------------|---------------|---------------|------------|------|--------------|--------------------|-------------------|----------------|------------|------------------------|-------------|--------------------------|-------------|
| | | | | | | | | | | | | | |
| T A Seeds | TA451-11 | 233 | 16.6 | 14.0 | 8.0 | 1 | 4.0 | 4.3 | | 85/50 | | | |
| Dyna-Gro | 54V78 | 220 | 16.8 | 13.1 | 8.3 | 1 | 5.0 | 5.0 | | Growing | | Rainfall | |
| Doebler's | 468RB | 211 | 16.9 | 12.5 | 8.0 | 1 | 5.0 | 4.3 | | Degree Days (Inches) | | | |
| Growmark FS | 4819XRR | 233 | 16.9 | 13.8 | 8.7 | 0 | 5.0 | 5.0 | | 2008 | Ave. | 2008 | Ave. |
| LICA | 1898CB/LL | 247 | 16.9 | 14.6 | 8.3 | 0 | 5.0 | 5.3 | May | 281 | 346 | 2.0 | 3.2 |
| N K | N27B-CB/LL/RW | 218 | 16.9 | 12.9 | 8.3 | 1 | 5.0 | 3.7 | June | 570 | 534 | 4.7 | 4.0 |
| Dekalb | DKC46-60(VT3) | 219 | 17.0 | 12.9 | 8.7 | 1 | 4.7 | 3.3 | July | 652 | 623 | 3.0 | 3.2 |
| Growmark FS | 4373VT3 | 195 | 17.0 | 11.5 | 9.0 | 0 | 5.0 | 5.0 | Aug | 528 | 640 | 3.6 | 3.3 |
| Hyttest | HT7398TS | 233 | 17.0 | 13.7 | 8.3 | 0 | 4.7 | 3.7 | Sept | 427 | 426 | 3.7 | 3.7 |
| Dyna-Gro | 55V18 | 208 | 17.1 | 12.2 | 8.3 | 0 | 4.3 | 4.3 | Oct | 164 | 166 | 2.8 | 3.0 |
| Hyland | HLCVR54 | 228 | 17.1 | 13.3 | 8.7 | 0 | 4.3 | 4.7 | | | | | |
| Hyland | HLCVR64 | 189 | 17.2 | 11.0 | 8.3 | 1 | 5.0 | 5.0 | Total | 2622 | 2734 | 19.7 | 20.2 |
| Dekalb | DKC43-27(VT3) | 196 | 17.3 | 11.3 | 8.7 | 0 | 4.0 | 3.3 | % Norm | 96 | | 97.2 | |
| Dekalb | DKC50-44(VT3) | 254 | 17.3 | 14.7 | 9.0 | 0 | 4.7 | 3.7 | Departure | -112 | | -0.6 | |
| Growmark FS | 4861VT3 | 242 | 17.3 | 14.0 | 8.0 | 1 | 4.3 | 3.7 | | | | | |
| Growmark FS | 4465VT3 | 226 | 17.3 | 13.1 | 9.0 | 0 | 4.7 | 4.0 | | | | | |
| T A Seeds | TA497-11 | 241 | 17.5 | 13.8 | 8.0 | 1 | 4.7 | 4.3 | | | | | |
| Doebler's | 467BVR | 214 | 17.5 | 12.2 | 8.0 | 1 | 4.7 | 4.7 | | | | | |
| Hyland | HLCVR72 | 219 | 17.6 | 12.4 | 8.3 | 2 | 4.0 | 4.7 | | | | | |
| Garst | 88C97CB/LL | 238 | 17.6 | 13.5 | 8.0 | 1 | 4.3 | 4.7 | | | | | |
| LICA | 9707BT/LL | 190 | 17.7 | 10.7 | 8.0 | 0 | 3.8 | 4.0 | | | | | |
| Hyttest | HT7428 | 249 | 17.8 | 14.0 | 8.7 | 0 | 5.0 | 4.0 | | | | | |
| T A Seeds | TA500-16 | 234 | 17.9 | 13.1 | 8.3 | 0 | 4.3 | 4.7 | | | | | |
| Hyland | HLCVR74 | 264 | 18.2 | 14.5 | 8.3 | 0 | 4.0 | 4.3 | | | | | |
| Growmark FS | 5484VT3 | 254 | 18.6 | 13.7 | 8.7 | 1 | 4.0 | 5.0 | | | | | |
| Hyland | HLB49R | 242 | 18.8 | 12.9 | 8.3 | 1 | 4.5 | 4.7 | | | | | |
| LICA | 1900RR/HX | 242 | 19.3 | 12.5 | 7.3 | 1 | 4.7 | 4.7 | | | | | |
| | Mean | 227 | 17.4 | 13.0 | 8.4 | 1 | 4.5 | 4.4 | | | | | |
| | CV | 6 | 2.8 | | 6.0 | | | | | | | | |
| | LSD | 23 | 0.8 | | 0.8 | | | | | | | | |
| | SD | 14 | 0.5 | | 0.5 | | | | | | | | |

Table 8. 2008 Medium Early Maturity Hybrids, Albion, Orleans County, Western NY

| Brand | Hybrid | Yield Bu/A | % Moisture | | Stnd ability | % Stalk Ldg | | Early Vigor | Plnt Ht | Planted: | | Harvested: | |
|-------------|---------------|---------------|--------------|--------------|-----------------|----------------|----------------|----------------|------------|---------------|-------------|-------------|-------------|
| | | | Mois ture | Y/M Ratio | | Stalk Ldg | Early Vigor | | | April 25 2008 | Nov 19 2008 | Nov 19 2008 | Nov 19 2008 |
| LICA | 1898CB/LL | 193 | 18.5 | 10.4 | 8.0 | 6 | 2.8 | 5.0 | | 85/50 | | | |
| Growmark FS | 4465VT3 | 205 | 18.7 | 11.0 | 8.0 | 0 | 3.2 | 4.0 | | Growing | | Rainfall | |
| T A Seeds | TA451-11 | 240 | 18.9 | 12.7 | 8.0 | 1 | 3.0 | 4.7 | | Degree Days | | (Inches) | |
| Hyland | HLCVR54 | 208 | 19.2 | 10.8 | 7.7 | 1 | 3.2 | 4.7 | | 2008 | Ave. | 2008 | Ave. |
| Dekalb | DKC43-27(VT3) | 193 | 19.2 | 10.1 | 7.7 | 0 | 3.7 | 3.0 | May | 272 | 332 | 2.1 | 3.0 |
| Growmark FS | 4373VT3 | 204 | 19.2 | 10.6 | 8.0 | 0 | 4.8 | 4.0 | June | 585 | 523 | 3.2 | 3.6 |
| Dyna-Gro | 54V78 | 240 | 19.6 | 12.2 | 8.0 | 0 | 4.0 | 4.0 | July | 660 | 661 | 5.7 | 2.6 |
| Hyland | HLCVR64 | 215 | 19.6 | 11.0 | 8.0 | 0 | 4.2 | 4.7 | Aug | 563 | 619 | 2.7 | 3.2 |
| Growmark FS | 4861VT3 | 229 | 19.7 | 11.6 | 8.3 | 0 | 3.5 | 3.7 | Sept | 433 | 420 | 1.7 | 3.7 |
| Hytest | HT7398TS | 242 | 19.9 | 12.2 | 8.7 | 0 | 4.2 | 4.0 | Oct | 165 | 197 | 5.3 | 2.8 |
| Garst | 88C97CB/LL | 244 | 19.9 | 12.3 | 9.0 | 0 | 3.8 | 4.3 | | | | | |
| T A Seeds | TA497-11 | 211 | 20.4 | 10.3 | 8.3 | 1 | 3.0 | 4.7 | Total | 2678 | 2752 | 20.7 | 18.8 |
| N K | N27B-CB/LL/RW | 195 | 20.4 | 9.6 | 8.0 | 5 | 4.3 | 3.7 | % Norm | 97 | | 109.8 | |
| Dyna-Gro | 55V18 | 234 | 20.6 | 11.4 | 8.3 | 1 | 3.7 | 3.7 | Departure | -74 | | 1.9 | |
| Hyland | HLCVR72 | 223 | 20.8 | 10.7 | 8.0 | 0 | 3.2 | 4.0 | | | | | |
| Hyland | HLCVR74 | 232 | 20.9 | 11.1 | 8.7 | 0 | 3.7 | 4.0 | | | | | |
| Growmark FS | 4819XRR | 213 | 20.9 | 10.2 | 8.7 | 0 | 4.2 | 5.0 | | | | | |
| Hytest | HT7428 | 237 | 21.0 | 11.3 | 8.7 | 0 | 3.8 | 3.2 | | | | | |
| Dekalb | DKC46-60(VT3) | 206 | 21.1 | 9.8 | 8.0 | 1 | 3.8 | 3.3 | | | | | |
| Dekalb | DKC50-44(VT3) | 213 | 21.4 | 10.0 | 8.0 | 0 | 4.0 | 4.0 | | | | | |
| LICA | 9707BT/LL | 218 | 21.7 | 10.0 | 7.3 | 0 | 3.0 | 3.3 | | | | | |
| Doebler's | 467BVR | 228 | 21.8 | 10.5 | 8.0 | 0 | 4.2 | 5.0 | | | | | |
| T A Seeds | TA500-16 | 196 | 22.1 | 8.9 | 8.7 | 0 | 3.3 | 4.3 | | | | | |
| Doebler's | 468RB | 219 | 22.2 | 9.9 | 8.7 | 1 | 4.2 | 4.3 | | | | | |
| Hyland | HLB49R | 221 | 23.0 | 9.6 | 8.7 | 0 | 4.0 | 5.0 | | | | | |
| Growmark FS | 5484VT3 | 247 | 23.2 | 10.6 | 8.7 | 1 | 2.3 | 5.0 | | | | | |
| LICA | 1900RR/HX | 240 | 23.2 | 10.3 | 8.3 | 2 | 4.2 | 4.7 | | | | | |
| | Mean | 220 | 20.6 | 10.7 | 8.2 | 1 | 3.7 | 4.2 | | | | | |
| | CV | 8 | 5.0 | | 7.6 | | | | | | | | |
| | LSD | 28 | 1.7 | | 1.0 | | | | | | | | |
| | SD | 17 | 1.1 | | 0.6 | | | | | | | | |

Table 9. 2008 Medium Early Maturity Hybrids, Lansing, Cayuga County, Central NY

| Brand | Hybrid | Yield Bu/A | % Mois ture | Y/M Ratio | Stnd abil ity | % Stalk Ldg | Early Vigor | | Planted: | Harvested: | | |
|-------------|---------------|---------------|-------------------|--------------|---------------------|-------------------|----------------|-----------|----------------------|-------------|----------------------|------|
| | | | | | | | | | May 8 2008 | Nov 24 2008 | Degree Days (Inches) | |
| | | | | | | | | | 2008 | Ave. | 2008 | Ave. |
| Dekalb | DKC46-60(VT3) | 206 | 22.8 | 9.0 | 7.7 | 6 | 4.0 | | 85/50 | | | |
| N K | N27B-CB/LL/RW | 195 | 22.8 | 8.6 | 7.0 | 14 | 4.3 | | Growing | Rainfall | | |
| Growmark FS | 4373VT3 | 222 | 23.6 | 9.4 | 7.0 | 8 | 5.3 | | Degree Days (Inches) | | | |
| Dyna-Gro | 54V78 | 227 | 24.0 | 9.5 | 7.0 | 32 | 3.3 | | | | | |
| Doebler's | 468RB | 205 | 24.0 | 8.5 | 7.0 | 8 | 5.0 | May | 236 | 342 | 1.9 | 3.3 |
| T A Seeds | TA451-11 | 206 | 24.3 | 8.5 | 7.0 | 25 | 3.7 | June | 582 | 498 | 3.9 | 4.6 |
| Dekalb | DKC43-27(VT3) | 175 | 24.3 | 7.2 | 7.0 | 16 | 3.8 | July | 677 | 632 | 5.6 | 3.9 |
| Garst | 88C97CB/LL | 197 | 24.4 | 8.1 | 5.7 | 38 | 4.3 | Aug | 547 | 591 | 4.0 | 3.6 |
| Doebler's | 467BVR | 195 | 24.5 | 8.0 | 7.0 | 12 | 4.7 | Sept | 414 | 389 | 1.7 | 4.4 |
| LICA | 1898CB/LL | 209 | 24.6 | 8.5 | 5.7 | 41 | 4.3 | Oct | 151 | 179 | 5.2 | 3.5 |
| T A Seeds | TA497-11 | 196 | 24.7 | 7.9 | 6.3 | 13 | 3.8 | | | | | |
| Hyland | HLCVR54 | 196 | 24.8 | 7.9 | 7.7 | 10 | 3.5 | Total | 2607 | 2630 | 22.3 | 23.3 |
| Growmark FS | 4465VT3 | 226 | 24.8 | 9.1 | 7.3 | 5 | 4.0 | % Norm | 99 | | 95.8 | |
| Hyland | HLCVR64 | 215 | 25.0 | 8.6 | 7.7 | 4 | 5.0 | Departure | -23 | | -1.0 | |
| Growmark FS | 4819XRR | 206 | 25.0 | 8.2 | 6.3 | 12 | 5.2 | | | | | |
| LICA | 9707BT/LL | 196 | 25.0 | 7.8 | 6.3 | 6 | 3.2 | | | | | |
| Hytest | HT7398TS | 223 | 25.1 | 8.9 | 6.3 | 29 | 4.3 | | | | | |
| Dyna-Gro | 55V18 | 218 | 25.6 | 8.5 | 7.7 | 6 | 4.2 | | | | | |
| Hyland | HLCVR74 | 221 | 25.7 | 8.6 | 6.3 | 12 | 3.8 | | | | | |
| Growmark FS | 4861VT3 | 233 | 25.7 | 9.1 | 7.3 | 6 | 3.8 | | | | | |
| Dekalb | DKC50-44(VT3) | 221 | 26.2 | 8.4 | 7.3 | 16 | 4.7 | | | | | |
| LICA | 1900RR/HX | 226 | 26.5 | 8.5 | 6.3 | 25 | 3.8 | | | | | |
| Hyland | HLCVR72 | 211 | 26.6 | 7.9 | 7.3 | 16 | 4.0 | | | | | |
| Hytest | HT7428 | 221 | 26.8 | 8.2 | 7.3 | 6 | 4.2 | | | | | |
| T A Seeds | TA500-16 | 216 | 27.4 | 7.9 | 7.3 | 6 | 3.8 | | | | | |
| Hyland | HLB49R | 229 | 27.5 | 8.3 | 7.0 | 3 | 3.8 | | | | | |
| Growmark FS | 5484VT3 | 221 | 28.6 | 7.7 | 7.0 | 13 | 3.2 | | | | | |
| | Mean | 212 | 25.2 | 8.4 | 6.9 | 14 | 4.1 | | | | | |
| | CV | 9 | 6.6 | | 8.3 | | | | | | | |
| | LSD | 31 | 2.8 | | 0.9 | | | | | | | |
| | SD | 19 | 1.7 | | 0.6 | | | | | | | |

Table 10. 2008 Medium Early Maturity Hybrids, Sackets Harbor, Jefferson County, Northern NY

| Brand | Hybrid | Yield Bu/A | % Moisture | | % Stalk | | Early Vigor | Planted: | | Harvested: | |
|-------------|---------------|---------------|--------------|--------------|---------|------------|----------------|-------------|-------------|----------------------|-------------|
| | | | Mois ture | Y/M Ratio | Ldg | May 6 2008 | | Nov 7 2008 | Degree Days | Rainfall (Inches) | |
| Hyland | HLCVR54 | 196 | 21.0 | 9.3 | 35 | 4.2 | | 85/50 | | | |
| T A Seeds | TA451-11 | 168 | 21.7 | 7.7 | 63 | 4.0 | | Growing | | Rainfall | |
| Dekalb | DKC43-27(VT3) | 207 | 21.8 | 9.5 | 10 | 3.9 | | Degree Days | | (Inches) | |
| N K | N27B-CB/LL/RW | 182 | 21.8 | 8.3 | 32 | 4.8 | | 2008 | Ave. | 2008 | Ave. |
| Growmark FS | 4465VT3 | 204 | 22.3 | 9.1 | 19 | 4.7 | May | 222 | 274 | 2.7 | 2.9 |
| Hyland | HLCVR64 | 228 | 22.5 | 10.1 | 10 | 4.9 | June | 495 | 439 | 3.0 | 2.8 |
| Dekalb | DKC46-60(VT3) | 174 | 23.0 | 7.6 | 14 | 3.8 | July | 573 | 589 | 4.4 | 2.5 |
| Growmark FS | 4373VT3 | 203 | 23.0 | 8.8 | 12 | 5.2 | Aug | 497 | 546 | 4.7 | 3.1 |
| Dyna-Gro | 55V18 | 221 | 23.2 | 9.5 | 10 | 4.8 | Sept | 380 | 346 | 3.0 | 3.9 |
| Dekalb | DKC50-44(VT3) | 225 | 23.3 | 9.7 | 31 | 4.7 | Oct | 126 | 152 | 6.6 | 3.1 |
| Hytest | HT7428 | 207 | 23.5 | 8.8 | 22 | 4.3 | | | | | |
| Hytest | HT7398TS | 184 | 23.6 | 7.8 | 46 | 4.3 | Total | 2293 | 2346 | 24.4 | 18.3 |
| Growmark FS | 4819XRR | 173 | 23.7 | 7.3 | 7 | 5.3 | % Norm | 98 | | 133.2 | |
| T A Seeds | TA497-11 | 212 | 23.8 | 8.9 | 28 | 3.8 | Departure | -53 | | 6.1 | |
| Growmark FS | 4861VT3 | 207 | 24.1 | 8.6 | 20 | 5.0 | | | | | |
| Hyland | HLCVR72 | 198 | 24.2 | 8.2 | 28 | 4.0 | | | | | |
| LICA | 1898CB/LL | 222 | 24.4 | 9.1 | 60 | 5.0 | | | | | |
| LICA | 9707BT/LL | 166 | 24.6 | 6.7 | 42 | 3.3 | | | | | |
| Hyland | HLCVR74 | 214 | 24.8 | 8.6 | 9 | 5.0 | | | | | |
| Hyland | HLB49R | 221 | 25.1 | 8.8 | 19 | 4.5 | | | | | |
| T A Seeds | TA500-16 | 209 | 25.3 | 8.3 | 10 | 4.0 | | | | | |
| Growmark FS | 5484VT3 | 215 | 26.1 | 8.2 | 9 | 3.2 | | | | | |
| | Mean | 202 | 23.5 | 8.6 | 24 | 4.4 | | | | | |
| | CV | 10 | 3.6 | | | | | | | | |
| | LSD | 32 | 1.4 | | | | | | | | |
| | SD | 20 | 0.9 | | | | | | | | |

Table 11. 2008 Medium Early Maturity Hybrids, New Hope, Cayuga County, Central NY

| Brand | Hybrid | Yield Bu/A | % Moisture | | Y/M Ratio | Stnd ability | % Stalk Ldg | Plnt Ht | Stay Grn | Planted: | | Harvested: | |
|-------------|---------------|---------------|--------------|--------------|--------------|-----------------|-------------------|------------|-------------|-------------|-------------|-------------|-------------|
| | | | Mois ture | Y/M Ratio | | | | | | May 9 2008 | Nov 12 2008 | May 9 2008 | Nov 12 2008 |
| Dekalb | DKC43-27(VT3) | 161 | 20.8 | 7.7 | 7.0 | 8 | 4.0 | 2.3 | | 85/50 | | | |
| Dyna-Gro | 54V78 | 189 | 21.0 | 9.0 | 6.7 | 19 | 4.3 | 4.0 | | Growing | | Rainfall | |
| N K | N27B-CB/LL/RW | 177 | 21.1 | 8.4 | 6.7 | 12 | 3.7 | 2.0 | | Degree Days | | (Inches) | |
| Hyland | HLCVR64 | 188 | 22.1 | 8.5 | 7.0 | 3 | 5.3 | 2.8 | | 2008 | Ave. | 2008 | Ave. |
| Growmark FS | 4465VT3 | 208 | 22.2 | 9.4 | 7.0 | 4 | 4.0 | 3.0 | May | 208 | 280 | 1.9 | 3.3 |
| LICA | 1898CB/LL | 148 | 22.4 | 6.6 | 7.3 | 29 | 5.3 | 3.8 | June | 509 | 478 | 3.9 | 4.6 |
| T A Seeds | TA500-16 | 230 | 22.6 | 10.2 | 7.7 | 1 | 5.3 | 2.3 | July | 578 | 584 | 5.6 | 3.9 |
| Growmark FS | 4373VT3 | 192 | 22.6 | 8.5 | 7.3 | 3 | 5.7 | 2.7 | Aug | 459 | 571 | 4.0 | 3.6 |
| Dyna-Gro | 55V18 | 202 | 22.8 | 8.9 | 7.7 | 0 | 4.0 | 2.5 | Sept | 371 | 389 | 1.7 | 4.4 |
| Hyland | HLCVR54 | 149 | 22.8 | 6.5 | 6.0 | 42 | 5.0 | 4.0 | Oct | 135 | 168 | 5.2 | 3.5 |
| T A Seeds | TA451-11 | 182 | 22.9 | 7.9 | 6.7 | 12 | 4.7 | 2.8 | | | | | |
| Hyttest | HT7428 | 189 | 22.9 | 8.3 | 7.3 | 4 | 3.7 | 2.8 | Total | 2260 | 2470 | 22.3 | 23.3 |
| Doebler's | 468RB | 174 | 23.0 | 7.6 | 7.7 | 2 | 5.0 | 1.8 | % Norm | 91 | | 95.8 | |
| Dekalb | DKC46-60(VT3) | 185 | 23.1 | 8.0 | 7.3 | 2 | 4.3 | 2.8 | Departure | -210 | | -1.0 | |
| Dekalb | DKC50-44(VT3) | 218 | 23.4 | 9.3 | 7.0 | 5 | 4.7 | 3.2 | | | | | |
| T A Seeds | TA497-11 | 199 | 23.6 | 8.4 | 7.0 | 3 | 5.0 | 2.8 | | | | | |
| LICA | 9707BT/LL | 161 | 23.8 | 6.8 | 7.0 | 5 | 4.3 | 3.5 | | | | | |
| Hyland | HLCVR72 | 192 | 24.1 | 8.0 | 7.7 | 4 | 4.3 | 1.8 | | | | | |
| Hyland | HLB49R | 187 | 24.6 | 7.6 | 8.0 | 2 | 5.0 | 3.5 | | | | | |
| Growmark FS | 4819XRR | 184 | 24.9 | 7.4 | 7.7 | 2 | 5.3 | 2.3 | | | | | |
| Growmark FS | 4861VT3 | 188 | 25.0 | 7.5 | 7.7 | 0 | 4.0 | 3.0 | | | | | |
| Hyland | HLCVR74 | 204 | 25.1 | 8.1 | 7.0 | 4 | 4.0 | 1.7 | | | | | |
| LICA | 1900RR/HX | 188 | 25.1 | 7.5 | 8.3 | 1 | 5.3 | 3.3 | | | | | |
| Hyttest | HT7398TS | 157 | 25.2 | 6.2 | 6.7 | 22 | 4.3 | 2.3 | | | | | |
| Garst | 88C97CB/LL | 180 | 26.1 | 6.9 | 7.0 | 4 | 4.7 | 2.0 | | | | | |
| Doebler's | 467BVR | 204 | 27.5 | 7.4 | 7.7 | 1 | 5.7 | 2.5 | | | | | |
| Growmark FS | 5484VT3 | 145 | 27.5 | 5.3 | 6.7 | 15 | 5.3 | 3.0 | | | | | |
| | Mean | 184 | 23.6 | 7.8 | 7.2 | 8 | 4.7 | 2.8 | | | | | |
| | CV | 15 | 10.6 | | 7.2 | | | | | | | | |
| | LSD | 44 | 4.1 | | 0.8 | | | | | | | | |
| | SD | 27 | 2.5 | | 0.5 | | | | | | | | |

**Table 12. 2008 Medium Maturity Hybrids Trial Summary
(Chemung, Pittsford, Avon, Kingston)**

| Brand | Hybrid | Yield Bu/A | % | Y/M Ratio | Stnd | % | Early Vigor | Plnt Ht* |
|-----------|---------------|---------------|--------------|--------------|-------------|-----|----------------|-------------|
| | | | Mois ture | | abil ity | Ldg | | |
| T A Seeds | TA510-19 | 214 | 21.4 | 10.0 | 7.6 | 2 | 4.3 | 3.9 |
| Garst | 87Y26GT | 218 | 21.8 | 10.0 | 7.8 | 2 | 3.8 | 4.2 |
| T A Seeds | TA534-11 | 210 | 22.4 | 9.4 | 7.9 | 2 | 4.2 | 4.2 |
| Dekalb | DKC52-59(VT3) | 217 | 22.4 | 9.7 | 7.8 | 1 | 4.1 | 3.3 |
| N K | N48G-CB/LL/RW | 224 | 22.6 | 9.9 | 7.8 | 1 | 3.8 | 4.5 |
| LICA | 1804GT | 218 | 22.6 | 9.6 | 8.8 | 1 | 4.6 | 5.6 |
| Dyna-Gro | 54T42 | 210 | 22.7 | 9.3 | 7.9 | 1 | 3.9 | 4.4 |
| Dyna-Gro | CX07102 | 205 | 22.9 | 9.0 | 8.2 | 1 | 3.7 | 4.8 |
| Dyna-Gro | 55B49 | 209 | 23.4 | 8.9 | 8.4 | 0 | 3.9 | 4.2 |
| Dyna-Gro | CX08505 | 214 | 23.4 | 9.1 | 8.3 | 0 | 4.6 | 4.0 |
| T A Seeds | 555-13V | 219 | 23.5 | 9.3 | 8.3 | 0 | 4.9 | 4.2 |
| T A Seeds | TA607-11 | 215 | 24.1 | 8.9 | 8.8 | 0 | 4.2 | 5.1 |
| LICA | 1804CB/LL | 208 | 24.2 | 8.6 | 8.0 | 3 | 4.2 | 5.0 |
| Dekalb | DKC62-29(VT3) | 213 | 24.4 | 8.7 | 8.1 | 1 | 4.2 | 4.1 |
| Doebler's | 660BVR | 222 | 24.5 | 9.1 | 8.3 | 1 | 3.7 | 5.6 |
| Dekalb | DKC61-69(VT3) | 234 | 25.2 | 9.3 | 7.9 | 0 | 3.8 | 4.8 |
| Hyland | HLB337 | 232 | 25.7 | 9.0 | 8.3 | 0 | 4.2 | 5.4 |
| | Mean | 217 | 23.4 | 9.3 | 8.1 | 1 | 4.1 | 4.5 |
| | CV | 9 | 5.7 | | 7.7 | | | |
| | LSD | 16 | 0.9 | | 0.5 | | | |
| | SD | 19 | 1.3 | | 0.6 | | | |

*3 locations only

Table 13. 2008 Medium Maturity Hybrids, Chemung, Chemung County, Southern Tier NY

| Brand | Hybrid | Yield Bu/A | % Mois ture | Y/M Ratio | Stnd abil ity | % Stalk Ldg | Early Vigor | Plnt Ht | Planted: | | Harvested: | | |
|-----------|---------------|---------------|-------------------|--------------|---------------------|-------------------|----------------|------------|----------------------|------------|-------------|-------------|------|
| | | | | | | | | | May 7 2008 | Dec 6 2008 | 2008 | 2008 | |
| Dekalb | DKC52-59(VT3) | 233 | 17.2 | 13.5 | 8.7 | 1 | 4.3 | 3.3 | 85/50 | | | | |
| T A Seeds | TA510-19 | 227 | 17.6 | 12.9 | 8.3 | 2 | 4.3 | 3.3 | Growing | Rainfall | | | |
| T A Seeds | TA534-11 | 236 | 18.3 | 12.9 | 8.3 | 0 | 4.8 | 4.7 | Degree Days (Inches) | | | | |
| N K | N48G-CB/LL/RW | 248 | 18.3 | 13.6 | 8.0 | 1 | 3.7 | 4.3 | | | 2008 | Ave. | |
| Garst | 87Y26GT | 228 | 18.6 | 12.3 | 8.0 | 1 | 4.0 | 3.3 | May | 281 | 346 | 2.0 | 3.2 |
| Dyna-Gro | 54T42 | 237 | 19.0 | 12.5 | 8.7 | 0 | 4.2 | 4.7 | June | 570 | 534 | 4.7 | 4.0 |
| T A Seeds | TA607-11 | 190 | 19.0 | 10.0 | 9.0 | 0 | 3.8 | 5.0 | July | 652 | 623 | 3.0 | 3.2 |
| Dyna-Gro | 55B49 | 233 | 19.4 | 12.0 | 8.7 | 0 | 4.2 | 5.0 | Aug | 528 | 640 | 3.6 | 3.3 |
| T A Seeds | 555-13V | 243 | 19.4 | 12.5 | 8.3 | 1 | 5.0 | 5.0 | Sept | 427 | 426 | 3.7 | 3.7 |
| Dekalb | DKC61-69(VT3) | 252 | 19.5 | 12.9 | 8.7 | 0 | 4.3 | 4.7 | Oct | 164 | 166 | 2.8 | 3.0 |
| LICA | 1804GT | 229 | 19.5 | 11.7 | 8.7 | 0 | 4.8 | 5.3 | | | | | |
| Doebler's | 660BVR | 224 | 20.3 | 11.0 | 8.0 | 1 | 3.8 | 5.0 | Total | 2622 | 2734 | 19.7 | 20.2 |
| Dekalb | DKC62-29(VT3) | 244 | 20.3 | 12.0 | 8.7 | 0 | 4.3 | 5.0 | % Norm | 96 | | 97.2 | |
| LICA | 1804CB/LL | 244 | 20.5 | 11.9 | 8.7 | 0 | 4.7 | 5.0 | Departure | -112 | | -0.6 | |
| Hyland | HLB337 | 261 | 20.9 | 12.5 | 8.7 | 0 | 4.8 | 6.0 | | | | | |
| | Mean | 235 | 19.2 | 12.3 | 8.5 | 0.5 | 4.3 | 4.6 | | | | | |
| | CV | 7 | 3.1 | | 7.2 | | | | | | | | |
| | LSD | 26 | 1.0 | | 1.0 | | | | | | | | |
| | SD | 16 | 0.6 | | 0.6 | | | | | | | | |

Table 14. 2008 Medium Maturity Hybrids, Pittsford, Monroe County, Western NY

| Brand | Hybrid | Yield Bu/A | % Mois ture | Y/M Ratio | Stnd abil ity | % Stalk Ldg | Early Vigor | Planted: | | Harvested: | | |
|-----------|---------------|---------------|-------------------|--------------|---------------------|-------------------|----------------|----------------------|-------------|-------------|-------------|------|
| | | | | | | | | May 29 2008 | Nov 24 2008 | 2008 | 2008 | |
| LICA | 1804GT | 222 | 29.6 | 7.5 | 9.0 | 0 | 5.3 | 85/50 | | | | |
| T A Seeds | TA510-19 | 189 | 29.9 | 6.3 | 7.3 | 2 | 4.0 | Growing | Rainfall | | | |
| Garst | 87Y26GT | 216 | 29.9 | 7.2 | 7.3 | 1 | 3.8 | Degree Days (Inches) | | | | |
| N K | N48G-CB/LL/RW | 213 | 31.2 | 6.8 | 8.0 | 0 | 4.0 | | | 2008 | Ave. | |
| Dyna-Gro | 54T42 | 198 | 31.7 | 6.2 | 8.0 | 0 | 4.5 | May | 260 | 323 | 1.4 | 2.8 |
| T A Seeds | TA534-11 | 215 | 32.2 | 6.7 | 8.0 | 0 | 4.7 | June | 590 | 508 | 2.6 | 3.4 |
| T A Seeds | TA607-11 | 225 | 32.7 | 6.9 | 9.0 | 0 | 4.3 | July | 676 | 653 | 3.9 | 2.9 |
| T A Seeds | 555-13V | 197 | 32.9 | 6.0 | 8.3 | 0 | 5.3 | Aug | 560 | 605 | 3.0 | 3.5 |
| Dyna-Gro | 55B49 | 207 | 33.0 | 6.3 | 8.3 | 0 | 5.0 | Sept | 427 | 394 | 1.7 | 3.5 |
| Dekalb | DKC52-59(VT3) | 203 | 33.2 | 6.1 | 7.7 | 1 | 4.3 | Oct | 168 | 185 | 3.4 | 2.6 |
| Doebler's | 660BVR | 209 | 33.5 | 6.2 | 8.3 | 1 | 3.3 | | | | | |
| Dekalb | DKC62-29(VT3) | 205 | 33.5 | 6.1 | 8.0 | 0 | 4.3 | Total | 2681 | 2667 | 15.9 | 18.7 |
| LICA | 1804CB/LL | 206 | 33.6 | 6.1 | 8.0 | 0 | 4.0 | % Norm | 101 | | 85.1 | |
| Dekalb | DKC61-69(VT3) | 243 | 34.9 | 7.0 | 8.0 | 0 | 4.5 | Departure | 14 | | -2.8 | |
| Hyland | HLB337 | 222 | 35.4 | 6.3 | 8.3 | 0 | 4.2 | | | | | |
| | Mean | 211 | 32.5 | 6.5 | 8.1 | 0.3 | 4.4 | | | | | |
| | CV | 9 | 6.7 | | 8.2 | | | | | | | |
| | LSD | 31 | 3.6 | | 1.1 | | | | | | | |
| | SD | 19 | 2.2 | | 0.7 | | | | | | | |

Table 15. 2008 Medium Maturity Hybrids, Avon, Livingston County, Western NY

| Brand | Hybrid | Yield Bu/A | % Moisture | | Stnd ability | % Stalk | | Plnt Ht | Planted: April 27 2008 | Harvested: Oct 30-Nov 1 2008 |
|-----------|---------------|---------------|--------------|--------------|-----------------|----------------|-----|------------|---------------------------|---------------------------------|
| | | | Y/M Ratio | Early Ldg | | Early Vigor | | | | |
| Garst | 87Y26GT | 205 | 21.0 | 9.8 | 8.3 | 6 | 3.0 | 4.3 | 85/50 | |
| T A Seeds | TA534-11 | 195 | 21.3 | 9.2 | 7.7 | 8 | 3.3 | 3.8 | Growing | Rainfall |
| T A Seeds | TA510-19 | 198 | 21.3 | 9.3 | 7.7 | 4 | 4.0 | 4.3 | Degree Days (Inches) | |
| Dekalb | DKC52-59(VT3) | 212 | 21.5 | 9.9 | 7.3 | 4 | 3.7 | 3.7 | 2008 | Ave. |
| Dyna-Gro | 55B49 | 198 | 22.0 | 9.0 | 8.7 | 1 | 3.3 | 3.7 | May | 246 305 1.5 2.9 |
| Dyna-Gro | 54T42 | 200 | 22.2 | 9.0 | 7.3 | 5 | 3.0 | 4.3 | June | 583 516 3.3 3.5 |
| T A Seeds | 555-13V | 205 | 22.3 | 9.2 | 8.0 | 0 | 4.3 | 3.7 | July | 651 623 6.4 2.8 |
| LICA | 1804GT | 220 | 22.4 | 9.8 | 9.0 | 5 | 4.0 | 5.3 | Aug | 532 575 4.0 3.3 |
| N K | N48G-CB/LL/RW | 203 | 22.8 | 8.9 | 8.3 | 4 | 3.0 | 4.7 | Sept | 397 386 2.0 3.5 |
| Dekalb | DKC62-29(VT3) | 182 | 22.9 | 7.9 | 7.7 | 5 | 4.0 | 3.7 | Oct | 168 190 3.2 2.6 |
| LICA | 1804CB/LL | 193 | 23.3 | 8.3 | 7.7 | 11 | 3.7 | 5.3 | | |
| Doebler's | 660BVR | 248 | 24.0 | 10.3 | 8.7 | 3 | 3.7 | 6.0 | Total | 2577 2595 20.2 18.6 |
| T A Seeds | TA607-11 | 233 | 24.7 | 9.4 | 9.0 | 1 | 3.7 | 4.7 | % Norm | 99 108.8 |
| Dekalb | DKC61-69(VT3) | 228 | 25.2 | 9.0 | 7.0 | 2 | 3.3 | 5.0 | Departure | -18 1.6 |
| Hyland | HLB337 | 240 | 25.6 | 9.4 | 8.7 | 0 | 3.7 | 5.0 | | |
| | Mean | 211 | 22.8 | 9.2 | 8.1 | 4 | 3.6 | 4.5 | | |
| | CV | 10 | 5 | | 7.9 | | | | | |
| | LSD | 34 | 1.9 | | 1 | | | | | |
| | SD | 21 | 1.1 | | 0.6 | | | | | |

Table 16. 2008 Medium Maturity Hybrids, Kingston, Ulster County, Hudson Valley NY

| Brand | Hybrid | Yield Bu/A | % Moisture | | Stnd ability | % Stalk | | Plnt Ht | Gray Leaf Spot | Planted: May 13 2008 | Harvested: Nov 10-11 2008 |
|-----------|---------------|---------------|--------------|--------------|-----------------|----------------|-----|------------|----------------------|-------------------------|------------------------------|
| | | | Y/M Ratio | Early Ldg | | Early Vigor | | | | | |
| T A Seeds | TA510-19 | 240 | 17.0 | 14.1 | 7.0 | 0 | 4.8 | 4.0 | 3.2 | 85/50 | |
| Dekalb | DKC52-59(VT3) | 221 | 17.7 | 12.5 | 7.3 | 0 | 4.0 | 3.0 | 3.5 | Growing | Rainfall |
| Garst | 87Y26GT | 225 | 17.7 | 12.7 | 7.3 | 1 | 4.3 | 5.0 | 2.7 | Degree Days (Inches) | |
| T A Seeds | TA534-11 | 194 | 17.9 | 10.8 | 7.7 | 0 | 4.0 | 4.0 | 3.3 | 2008 | Ave. |
| N K | N48G-CB/LL/RW | 233 | 17.9 | 13.0 | 7.0 | 0 | 4.3 | 4.5 | 3.5 | May | 319 348 2.0 3.9 |
| Dyna-Gro | 54T42 | 206 | 18.1 | 11.4 | 7.7 | 0 | 4.0 | 4.3 | 3.8 | June | 570 502 4.1 4.8 |
| LICA | 1804GT | 203 | 18.8 | 10.8 | 8.3 | 0 | 4.2 | 6.0 | 3.3 | July | 671 596 6.9 3.7 |
| Dyna-Gro | 55B49 | 197 | 19.3 | 10.2 | 8.0 | 0 | 3.0 | 4.0 | 3.0 | Aug | 549 594 3.3 4.8 |
| T A Seeds | 555-13V | 230 | 19.5 | 11.8 | 8.3 | 0 | 5.0 | 4.0 | 2.3 | Sept | 479 428 5.7 5.6 |
| LICA | 1804CB/LL | 190 | 19.5 | 9.7 | 7.7 | 0 | 4.3 | 4.7 | 3.3 | Oct | 202 221 3.9 5.9 |
| T A Seeds | TA607-11 | 210 | 19.8 | 10.6 | 8.0 | 0 | 5.0 | 5.7 | 3.3 | | |
| Doebler's | 660BVR | 205 | 20.2 | 10.1 | 8.0 | 0 | 4.0 | 5.7 | 3.0 | Total | 2790 2688 25.9 28.6 |
| Hyland | HLB337 | 204 | 20.9 | 9.8 | 7.7 | 0 | 4.0 | 5.3 | 3.0 | % Norm | 104 90.5 |
| Dekalb | DKC62-29(VT3) | 220 | 20.9 | 10.5 | 8.0 | 0 | 4.0 | 3.7 | 3.5 | Departure | 102 -2.7 |
| Dekalb | DKC61-69(VT3) | 214 | 21.2 | 10.1 | 8.0 | 0 | 3.0 | 4.7 | 3.2 | | |
| | Mean | 213 | 19.1 | 11.2 | 7.7 | 0.1 | 4.1 | 4.6 | 3.2 | | |
| | CV | 11 | 4.4 | | 7.1 | | | | | | |
| | LSD | 36 | 1.4 | | 0.9 | | | | | | |
| | SD | 22 | 0.8 | | 0.5 | | | | | | |