

Alberta Corn Committee
Hybrid Trials
2009



Table of Contents

| | |
|---|----|
| Alberta Corn Committee | 1 |
| Invitation for Testing Corn Hybrids in 2010..... | 2 |
| Explanation of Variables..... | 3 |
| List of Co-operators | 4 |
| Industry Participants | 5 |
| Soil Profiles, Seeding, and Harvest | 6 |
| Crop Management Summary..... | 7 |
| 2010 Alberta Corn Committee Silage Hybrid Performance List..... | 8 |
| 2009 Alberta Corn Committee Silage Hybrid Performance Averaged Over All Locations | 9 |
| Alberta Corn Committee – Lacombe Multi-Year Silage Data..... | 10 |
| Alberta Corn Committee Silage Hybrid Performance – Outlook Multi-Year Data | 11 |
| 2009 Corn Hybrid Silage Results for Lethbridge, AB..... | 12 |
| 2009 Corn Hybrid Silage Results for Vauxhall, AB..... | 13 |
| 2009 Corn Hybrid Silage Results for Brooks, AB..... | 14 |
| 2009 Corn Hybrid Silage Results for Bow Island, AB..... | 15 |
| 2009 Corn Hybrid Silage Results for Outlook, SK..... | 16 |
| 2009 Corn Hybrid Silage Results for Lacombe, AB..... | 17 |
| 2010 Alberta Corn Committee Grain Hybrid Performance List..... | 18 |
| 2009 Alberta Corn Committee Grain Hybrid Performance Averaged Over Locations | 19 |
| Alberta Corn Committee Grain Hybrid Performance – Outlook Multi-Year Data..... | 20 |
| 2009 Corn Hybrid Grain Results for Lethbridge, AB..... | 21 |
| 2009 Corn Hybrid Grain Results for Vauxhall, AB..... | 22 |
| 2009 Corn Hybrid Grain Results for Brooks, AB..... | 23 |
| 2009 Corn Hybrid Grain Results for Bow Island, AB..... | 24 |
| 2009 Corn Hybrid Grain Results for Outlook, SK..... | 25 |



Alberta Corn Committee

2009 Corn Hybrid Trials

Trials were seeded at Lethbridge (2326* CHU), Vauxhall (2359* CHU), Brooks (2353* CHU), Bow Island (2543** CHU), Outlook, SK (2072* CHU) and Lacombe (1850* CHU). A randomized complete block design with four replicates was generated for each site. Plots consisted of two – 6 m rows for the silage trials and four – 6 m rows for the grain trials. Target plant population densities were 60,000 plants/ha (24,000 plants/acre) for the irrigated grain tests, and 75,000 plants/ha (30,000 plants/acre) for the silage tests.

Growing conditions in spring were once again a challenge as we experienced record breaking cool temperatures. Surprisingly, there was enough heat unit captured that the silage data turned out to be excellent at each location and grain trials were harvested without any compromise to data quality. The seasonal conditions may not have been ideal but the statistical analyses revealed that 2009 produced the most uniform and sound data that I have observed. Very few, if any, outliers were removed all locations. We were fortunate to have a harvester provided by Pioneer for Lacombe that we retrofitted with an up-to-date weigh system. This has streamlined the harvest operation at Lacombe considerably and enhances the valuable data we collect from this site. Corn Heat Units, accumulated from 15 May, 2009 to the first kill frost (-2 degrees Celsius), were as follows: Lethbridge 2404 CHU, Vauxhall 2472 CHU, Outlook, SK 2298 CHU, Lacombe 1917 CHU, Brooks 2386 CHU and Bow Island 2512 CHU.

* 30 year average (1974 - 2004)

** 26 year average (1980 - 2004)

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Information in this publication is supplied by the
Alberta Corn Committee (www.albertacorn.com)
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Canada and Alberta Agricultural, Food, and
Rural Development.

Invitation for Testing Corn Hybrids in 2010

This is the official notification inviting your company to participate in the Alberta corn hybrid performance trials. Please complete the attached Submission Form. The submission form, together with payment and seed of proposed entries, must be received no later than April 10th. Late arrivals risk exclusion from testing and forfeit of payment. Changes to information provided for use in reports must be received no later than October 1st. Changes after that date are at the discretion of the Hybrid Trial Coordinator, and are subject a fee of \$150 per item change.

Trials will be conducted at five sites in southern Alberta, and one site at Outlook, SK:

- Brooks (2353 CHU)*
- Vauxhall (2359 CHU)*
- Bow Island (2543 CHU)**
- Lethbridge (2326 CHU)*
- Lacombe (1850 CHU)*
- Outlook, SK (2363 CHU)*

* 30 yr average (1974-2004)

** 26 yr average (1980-2004)

Fees (including GST #R106693062) for 2010 will be \$150.00 per hybrid per location

Irrigated Grain Performance Trial..... \$150.00/location

Irrigated Silage Performance Trial..... \$150.00/location

Visit www.albertacorn.com for more information. We would be happy to add a link to your company website for an annual fee of \$100.00. The link fee will help to offset our annual server costs.

ALL SEED SHOULD BE TREATED WITH PONCHO® FOR WIREWORM PROTECTION - ANECDOTAL OBSERVATIONS REPORT YIELD PENALTIES WITHOUT THIS SEED TREATMENT. IT IS CRITICAL WE MINIMIZE ALL VARIATION OTHER THAN GENETICS SO PLEASE COMPLY WITH PROPER SEED TREATMENT.

Seed requirements are as follows -

900 Kernels/Location..... Irrigated Grain Performance Trial (4-row plot)

500 Kernels/Location..... Irrigated Silage Performance Trial (2-row plot)

The following data/observations will be recorded:

| | Grain | Silage |
|------------------------------|-------|--------|
| 10 % Anthesis | X | X |
| 50 % Silking | X | X |
| Grain Yield | X | |
| Grain Moisture Content | X | |
| Test Weight | X | |
| Whole Plant Yield | | X |
| Whole Plant Moisture Content | | X |

The Committee will take all reasonable care to ensure the success of each trial, but cannot guarantee that every trial will be successful. If a trial is determined to be invalid by the Committee, the data from the trial will be discarded.

Please send all correspondence, **payment c/o Alberta Corn Committee**, and seed to:

Brian L Beres, Corn Hybrid Trial Coordinator
 Agriculture & Agri-Food Canada
 5403 1st Ave South, Lethbridge, AB T1J 4B1
 Phone: (403) 317-2251
 Fax: (403) 382-3156
 Email:beresb@agr.gc.ca



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Explanation of Variables

Harvest: grain yields were determined by harvesting all ears or cobs of the centre two rows in each four row plot. Silage yields were determined by harvesting all plants in the two row plot.

Yield: grain yield data, adjusted to 15.5 % moisture, is expressed as either g/plot or bu/ac. Silage yield is expressed as tonnes/ha or tonnes/ac on a dry matter basis. Expression of yield will vary depending on which table you are referencing. To convert tonnes/ac to tonnes/ha, multiply value by 2.471. Also, grams/plot in the grain data can be transformed to bu/ac by dividing value by 57.384. Bushels/acre is converted to kg/ha by multiplying value by the test weight (industry standard = 56 lbs/bushel) and dividing value by 0.892. We also report the yield index, which is labelled '% Checks' or '% of Pooled Mean'. Values in these columns represent the hybrid's yield performance relative to the mean of checks (hybrids with 5 or more station years of testing) grown at the same location.

Grain moisture content: determination of grain moisture at all locations except Outlook was calculated using a Dickey John GAC-II grain moisture computer.

Silage whole plant moisture content: determined by collecting a fresh weight from a 300 g sub-sample of chopped material from the harvested plot, which is dried down and re-weighed to determine moisture content.

Anthesis: first day of anther extrusion on at least 10% of the plants.

Silking: first day silks are visible on at least 50% of the plants.

Test Weight: expressed as kg/hl, determined by the GAC-II grain moisture computer at Vauxhall and Lethbridge. To convert to lb/bu multiply by 0.807. Test weights were adjusted to moisture at 15.5% using a method that adjusts for porosity changes.

Data Analysis: For all traits, a mixed model analysis of variance (ANOVA) was performed for each locations using the PROC GLM procedure of SAS[®]. Hybrids were considered a fixed effect, and replicates as random effects. A mean separation test was performed using the least significant difference (LSD $P < 0.05$) test. Statistical parameters are not used for any other mean calculations as hybrids are not tested at all locations, therefore, tables without associated statistical parameters have not been subjected to an ANOVA.



List of Co-operators

| Location of Test | Co-operator | Supervising Agency |
|-------------------------|--|--------------------------------|
| Lethbridge & Vauxhall | Brian Beres Technical Support: Ryan Dyck Sheree Kendrick Steven Simmill Christine Vucurevich Ryan Beck Stefan Renoux | Agriculture & Agri-Food Canada |
| Brooks & Bow Island | Manjula Bandara Technical Support: Art Kruger Dashnyam Byambatseren | AAFRD - Brooks |
| Outlook | Terry Hogg Technical Support: Don David | Agriculture & Agri-Food Canada |
| Lacombe | Brian Beres/Vern Baron Technical Support: Ryan Dyck Sheree Kendrick Steven Simmill Christine Vucurevich Ryan Beck Stefan Renoux Dave Young Tanya Rowe | Agriculture & Agri-Food Canada |



Industry Participants

| Company | Hybrid Line | Contact | Phone |
|-----------------------|--------------------|--------------------|----------------|
| Brett Young Seeds | Elite | Harley Bell | (204) 478-2217 |
| Monsanto | DeKalb | Darrel Theroux | (204) 612-1233 |
| PICKSEED | PICKSEED | Matt Anderson | (780) 878-9240 |
| Thompsons LTD | Hyland Seeds | Ryan Snobelen | 1-800-265-7403 |
| Pioneer Hi-Bred | Pioneer Hi-Bred | Ellis Clayton | 1-800-265-9435 |
| Syngenta | NK Brand Seeds | Nick Cowan | 1-800-756-7333 |
| Pride Seeds | Pride | Fred Sinclair | (613) 677-6849 |
| Maizex Seeds Inc. | Maizex | Shawn Winter | 1-877-682-1720 |
| Fraser Seeds Ltd. | Croplan Genetics | Ken Van Den Bosch | (604) 929-7371 |
| Caird Holdings Inc. | Seeds 2000 | Ken Van Den Bosch | (604) 929-7371 |
| Prairie Pacific Seeds | Prairie Pacific | Alexis Arthur | (604) 319-0376 |
| Dow AgroSciences | Mycogen | Brian Van Oostveen | (519) 614-2952 |



Soil Profiles, Seeding, and Harvest

| Location | Soil Type | Soil Zone | Seed Date Silage | Seed Date Grain | Harvest Silage | Harvest Grain |
|-----------------|------------------|------------------|-----------------------------|----------------------------|---------------------------|--------------------------|
| Lethbridge | Clay Loam | Dark Brown | May 11/09 | May 11/09 | Oct 02/09 | Oct 22/09 |
| Vauxhall | Sandy Loam | Brown | May 06/09 | May 06/09 | Oct 01/09 | Oct 23/09 |
| Brooks | Silty Loam | Brown | May 07/09 | May 07/09 | Oct 01/09 | Oct 26/09 |
| Bow Island | Sandy Loam | Brown | May 08/09 | May 08/09 | Oct 06/09 | Nov 02/09 |
| Lacombe | Silty Loam | Dark Brown | May 12/09 | - | Sept 30/08 | - |
| Outlook, SK | Clay Loam | Black | May 22/09 | May 22/09 | Oct 19/09 | Nov 19/09 |



Crop Management Summary

| Location | Fertilizer Amendments | Herbicides Used | Irrigation Applied |
|--------------------|---|--|--------------------|
| Lethbridge | | | |
| Grain/Silage | | Eradicane 8E @ 3.4 l/Ac Cocktail: - Accent @ 10 g/Ac - Atrazine @ 400 ml/Ac - Banvel II @ 120 ml/Ac - Merge @ 325 ml/Ac | 8.25" or 210mm |
| Vauxhall | | | |
| Grain/Silage | 100 lb/Ac of N 40 lb/Ac of P 30 lb/Ac of K 30 lb/Ac of S | Eradicane 8E @ 3.4 l/Ac Cocktail: - Accent @ 10 g/Ac - Atrazine @ 400 ml/Ac - Banvel II @ 120 ml/Ac - Merge @ 325 lm/Ac | 18.5" or 470mm |
| Brooks | | | |
| Grain/Silage | 34-17-0 500 kg/ha | Eradicane 8-E (EPTC) 3.0 L/ha Cocktail: - Accent @ 10 g/Ac - Atrazine @ 300 ml/Ac - Banvel II @ 120 ml/Ac - Merge @ 325 lm/Ac | 7.5" or 190mm |
| Bow Island | | | |
| Grain/Silage | 34-17-0 500 kg/ha | Eradicane 8-E (EPTC) 3.0 L/ha - Accent @ 10 g/Ac - Atrazine @ 300 ml/Ac -Banvel II @ 120 ml/Ac -Merge @ 325 ml/Ac | 7.9" or 200mm |
| Lacombe | | | |
| Silage | 150 lbs N (46-0-0)/Ac 60 lbs P (11-52-0)/Ac | - Laddock @ 1.2L/ac - with Assist surfactant | n/a |
| Outlook, SK | | | |
| Grain/Silage | 100 lbs N (46-0-0) 60 lbs P (11-52-0) 60 lbs K (0-0-60) | Accent Oracle | 11.8" or 300mm |



2010 Alberta Corn Committee Silage Hybrid Performance List†

| Company | Hybrid | CHU Rating‡ | Location Years | Yield (Tons/Ac Dry) | % of Pooled Mean | Whole Plant Moisture % | Average Anthesis |
|-----------------|-------------|-------------|-------------------|------------------------|---------------------|---------------------------|---------------------|
| Pioneer | 39F45†† | 2000 | 50 | 7.1 | 83 | 56.8 | 20-Jul-09 |
| Syngenta | N05-C7 | 2200 | 21 | 9.0 | 87 | 59.9 | 25-Jul-09 |
| Pioneer | 39D95 | 2300 | 11 | 7.0 | 92 | 60.3 | 26-Jul-09 |
| Pioneer | 39F57 | 2250 | 10 | 7.6 | 96 | 60.5 | 27-Jul-09 |
| Hyland | HL R219 | 2600 | 11 | 8.5 | 106 | 61.9 | 28-Jul-09 |
| Hyland | Baxxos RR | 2300 | 19 | 8.4 | 96 | 62.6 | 23-Jul-09 |
| Maizex | LF 755RR | 2300 | 15 | 8.6 | 106 | 62.7 | 27-Jul-09 |
| Hyland | HL B18R | 2350 | 7 | 7.6 | 102 | 62.9 | 29-Jul-09 |
| Pickseed | 2501 RR | 2300 | 7 | 7.5 | 103 | 63.3 | 29-Jul-09 |
| Seeds 2000 | 2791RR | 2250 | 15 | 8.6 | 109 | 63.5 | 26-Jul-09 |
| Elite | Fusion RR | 2200 | 10 | 8.0 | 102 | 63.9 | 29-Jul-09 |
| Pride | A4176BtRR | 2275 | 5 | 7.7 | 105 | 64.3 | 30-Jul-09 |
| Prairie Pacific | PP2146 | 2300 | 11 | 7.6 | 99 | 64.5 | 28-Jul-09 |
| Maizex | MZ 1261BR | 2250 | 5 | 6.9 | 93 | 64.8 | 27-Jul-09 |
| Seeds 2000 | 2781RR | 2250 | 10 | 7.9 | 105 | 65.0 | 29-Jul-09 |
| Maizex | LF 728R | 2300 | 7 | 7.8 | 106 | 65.2 | 31-Jul-09 |
| Croplan | 184RR | 2300 | 9 | 8.0 | 96 | 65.3 | 26-Jul-09 |
| Monsanto | DKC27-45 Bt | 2250 | 7 | 6.9 | 93 | 66.2 | 29-Jul-09 |
| Maizex | LF 755Bt/RR | 2350 | 7 | 7.9 | 107 | 66.6 | 03-Aug-09 |
| Pride | A4705HMRR | 2475 | 5 | 7.5 | 102 | 67.2 | 01-Aug-09 |
| Pioneer | 38B11 | 2650 | 9 | 7.8 | 102 | 67.9 | 31-Jul-09 |
| Pickseed | SilEx BtR | 2250 | 5 | 7.6 | 103 | 68.5 | 31-Jul-09 |
| Hyland | HLS011 | 2300 | 31 | 8.7 | 96 | 69.0 | 05-Aug-09 |
| Hyland | HL B22R | 2500 | 7 | 7.8 | 106 | 69.6 | 03-Aug-09 |
| Elite | Murano RR | 2550 | 8 | 8.4 | 118 | 69.8 | 05-Aug-09 |
| Hyland | HL B24R | 2600 | 7 | 8.3 | 112 | 70.8 | 02-Aug-09 |

† Based on results up to and including 2009. Hybrid must have a minimum of 5 station years of testing over two calendar years at the four core sites to be reported in this table. The four core sites are Lethbridge, Vauxhall, Bow Island, and Brooks. For information on Lacombe and Outlook long term performance results please refer to the corresponding table.

‡ CHU Rating provided by Company

††39F45 values are averaged across all locations tested and are presented as a long term check for comparison purposes.



2009 Alberta Corn Committee Silage Hybrid Performance Averaged Over All Locations

| Company | Hybrid | Locations | Dry Yield (t/ac) | % of Checks | Whole Plant Moisture % | Anthesis |
|-----------------|---------------|-----------|------------------|-------------|------------------------|-----------|
| Pioneer | 39D95 | 4 | 7.2 | 94 | 51.9 | 03-Aug-09 |
| Maizex | LF 755RR | 3 | 7.8 | 98 | 53.2 | 04-Aug-09 |
| Pickseed | 25906 | 1 | 7.5 | 89 | 53.7 | 04-Aug-09 |
| Pickseed | 2501 RR | 3 | 8.1 | 102 | 54.0 | 03-Aug-09 |
| Prairie Pacific | PP2146 | 3 | 7.8 | 98 | 54.1 | 03-Aug-09 |
| Maizex | LF 728R | 3 | 8.2 | 104 | 55.0 | 03-Aug-09 |
| Pioneer | 39F57 | 3 | 7.1 | 96 | 55.1 | 07-Aug-09 |
| Syngenta | N15-A9 | 1 | 7.1 | 84 | 55.2 | 04-Aug-09 |
| Elite | Fusion RR | 3 | 8.3 | 104 | 55.7 | 03-Aug-09 |
| Syngenta | N05-C7 | 3 | 6.4 | 86 | 55.9 | 04-Aug-09 |
| Pride | A4176BtRR | 4 | 8.0 | 105 | 55.9 | 03-Aug-09 |
| Pioneer | P7535R | 4 | 6.2 | 94 | 56.0 | 05-Aug-09 |
| Pioneer | 38B11 | 1 | 7.9 | 93 | 56.1 | 05-Aug-09 |
| Maizex | MZ 1261BR | 2 | 6.9 | 90 | 56.2 | 31-Jul-09 |
| Maizex | LF 7224BR | 3 | 8.4 | 106 | 56.3 | 03-Aug-09 |
| Monsanto | DKC30-20V | 4 | 7.7 | 99 | 56.5 | 06-Aug-09 |
| Maizex | LF 755Bt/RR | 3 | 8.1 | 101 | 56.5 | 05-Aug-09 |
| Syngenta | N06-C1 | 3 | 6.7 | 90 | 56.7 | 31-Jul-09 |
| Pickseed | 26847 | 3 | 6.8 | 86 | 56.7 | 06-Aug-09 |
| Seeds 2000 | 2781RR | 3 | 7.1 | 97 | 56.7 | 07-Aug-09 |
| Seeds 2000 | 2791RR | 4 | 8.2 | 107 | 57.1 | 06-Aug-09 |
| Syngenta | N19G-CB/LL | 1 | 8.0 | 95 | 57.2 | 07-Aug-09 |
| Croplan | 184RR | 5 | 6.9 | 98 | 57.4 | 07-Aug-09 |
| Monsanto | DKC30-23 | 4 | 7.7 | 100 | 57.4 | 06-Aug-09 |
| Elite | 20T47 RR | 3 | 7.6 | 96 | 57.5 | 05-Aug-09 |
| Hyland | HL B18R | 5 | 6.9 | 98 | 57.8 | 04-Aug-09 |
| Hyland | Baxxos RR | 5 | 6.9 | 98 | 57.9 | 03-Aug-09 |
| Monsanto | DKC34-29 | 1 | 8.3 | 99 | 58.0 | 02-Aug-09 |
| Hyland | HL R219 | 5 | 7.3 | 103 | 58.1 | 08-Aug-09 |
| Maizex | MZ 1677R | 3 | 8.4 | 106 | 58.1 | 03-Aug-09 |
| Syngenta | N17H-CB/LL/RW | 1 | 7.1 | 84 | 58.3 | 04-Aug-09 |
| Syngenta | N04A-CB/LL/RW | 4 | 6.6 | 98 | 58.5 | 08-Aug-09 |
| Monsanto | DKC34-28 | 1 | 7.8 | 93 | 59.2 | 03-Aug-09 |
| Monsanto | DKC27-45 Bt | 5 | 6.5 | 91 | 59.5 | 04-Aug-09 |
| Pickseed | SilEx BtR | 3 | 8.3 | 104 | 59.5 | 03-Aug-09 |
| Pride | A4705HMRR | 4 | 8.0 | 104 | 59.7 | 05-Aug-09 |
| Hyland | HLS011 | 3 | 7.4 | 93 | 60.1 | 01-Aug-09 |
| Pioneer | P8581R | 3 | 8.1 | 102 | 60.1 | 06-Aug-09 |
| Elite | 25T27 RR | 3 | 8.4 | 106 | 60.9 | 09-Aug-09 |
| Prairie Pacific | PPX7811 | 3 | 7.6 | 96 | 61.0 | 06-Aug-09 |
| Syngenta | N09T-CB/LL/RW | 4 | 6.8 | 102 | 61.4 | 09-Aug-09 |
| Elite | Murano RR | 3 | 9.2 | 115 | 61.6 | 09-Aug-09 |
| Hyland | HL2093 | 2 | 5.5 | 97 | 62.1 | 10-Aug-09 |
| Pioneer | P7213R | 2 | 5.8 | 103 | 62.3 | 09-Aug-09 |
| Maizex | EX0903 | 1 | 9.4 | 107 | 62.5 | 08-Aug-09 |
| Hyland | HL B24R | 3 | 8.6 | 109 | 62.5 | 30-Jul-09 |
| Pioneer | 39F45 | 1 | 4.4 | 98 | 63.0 | 09-Aug-09 |
| Elite | 91B17 RR | 2 | 5.8 | 100 | 63.7 | 09-Aug-09 |
| Hyland | HL B22R | 5 | 7.2 | 103 | 63.8 | 08-Aug-09 |
| Maizex | EX0923 | 1 | 8.0 | 91 | 65.0 | 04-Aug-09 |
| Pickseed | 2240RR | 1 | 4.5 | 99 | 65.8 | 13-Aug-09 |
| Hyland | HL SR06 | 2 | 4.7 | 82 | 67.7 | 12-Aug-09 |
| Pickseed | 22919 RR | 1 | 4.2 | 94 | 71.0 | 15-Aug-09 |
| Elite | 39C27 RR | 1 | 5.0 | 110 | 71.0 | 15-Aug-09 |

† % of checks is the mean performance of the hybrid compared to the mean performance of all varieties at each location where the hybrid is tested. Therefore, the value is unique to each hybrid as the number of locations tested differs between each hybrid. For example, a hybrid with lower yield can still have a high value for '% checks' if the hybrid was only tested in a low-yield environment and produced higher yield than the average of the other entries at that site. A hybrid with a higher yield value may have a lower value for '% checks' if it was tested in med- to high-yield environments and was not superior to the average of the other hybrids tested in those environments.



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Alberta Corn Committee – Lacombe Multi-Year Silage Data

| Company | Hybrid | Years | Yield (Tons/Ac Dry) | % of Pooled Mean | Whole Plant Moisture % | Average Anthesis |
|----------|---------------|-------|------------------------|---------------------|---------------------------|---------------------|
| Pioneer | P7535R | 1 | 5.4 | 112 | 70.6 | 09-Aug-09 |
| Pioneer | P7213R | 2 | 5.3 | 109 | 71.3 | 07-Aug-09 |
| Pickseed | 2240RR | 1 | 4.8 | 99 | 72.0 | 09-Aug-09 |
| Croplan | 184RR | 1 | 4.7 | 96 | 72.0 | 10-Aug-09 |
| Pioneer | 39F45 | 6 | 4.9 | 98 | 72.7 | 30-Jul-09 |
| Hyland | HL B18R | 1 | 4.8 | 98 | 73.7 | 08-Aug-09 |
| Elite | 91B17 RR | 1 | 4.7 | 97 | 73.9 | 07-Aug-09 |
| Hyland | HL R219 | 2 | 6.0 | 104 | 74.5 | 06-Aug-09 |
| Hyland | HL2093 | 5 | 5.0 | 98 | 75.4 | 07-Aug-09 |
| Hyland | Baxxos RR | 4 | 5.9 | 95 | 75.8 | 06-Aug-09 |
| Monsanto | DKC27-45 Bt | 2 | 4.2 | 85 | 76.4 | 11-Aug-09 |
| Syngenta | N04A-CB/LL/RW | 1 | 4.7 | 97 | 76.9 | 11-Aug-09 |
| Pickseed | 22919 RR | 1 | 4.6 | 94 | 77.7 | 11-Aug-09 |
| Elite | 39C27 RR | 3 | 6.1 | 114 | 78.0 | 08-Aug-09 |
| Syngenta | N09T-CB/LL/RW | 1 | 5.1 | 105 | 78.3 | 11-Aug-09 |
| Hyland | HL B22R | 2 | 5.3 | 109 | 79.0 | 12-Aug-09 |
| Hyland | HL SR06 | 3 | 4.7 | 81 | 79.7 | 08-Aug-09 |



Alberta Corn Committee Silage Hybrid Performance – Outlook Multi-Year Data

| Company | Hybrid | Years | Yield (Tons/Ac Dry) | % of Pooled Mean | Whole Plant Moisture % | Average Anthesis |
|------------|---------------|-------|------------------------|---------------------|---------------------------|---------------------|
| Hyland | HL2093 | 4 | 6.1 | 98 | 65.2 | 26-Jul-09 |
| Pioneer | 39F57 | 3 | 6.8 | 100 | 65.4 | 1-Aug-09 |
| Syngenta | N04A-CB/LL/RW | 1 | 7.1 | 107 | 65.4 | 4-Aug-09 |
| Pioneer | P7535R | 1 | 5.9 | 88 | 65.7 | 31-Jul-09 |
| Pioneer | P7213R | 2 | 6.8 | 101 | 65.8 | 30-Jul-09 |
| Pioneer | 39D95 | 3 | 6.0 | 87 | 66.4 | 31-Jul-09 |
| Elite | 91B17 RR | 1 | 6.9 | 104 | 66.6 | 1-Aug-09 |
| Croplan | 184RR | 1 | 7.0 | 106 | 66.8 | 5-Aug-09 |
| Hyland | HL B18R | 1 | 6.4 | 96 | 67.0 | 31-Jul-09 |
| Monsanto | DKC30-20V | 1 | 6.4 | 96 | 67.8 | 5-Aug-09 |
| Syngenta | N06-C1 | 1 | 6.4 | 96 | 68.1 | 28-Jul-09 |
| Seeds 2000 | 2781RR | 2 | 7.0 | 105 | 68.2 | 7-Aug-09 |
| Syngenta | N05-C7 | 6 | 6.0 | 100 | 68.3 | 30-Jul-09 |
| Pride | A4176BtRR | 2 | 7.3 | 109 | 68.6 | 5-Aug-09 |
| Hyland | Baxxos RR | 4 | 6.3 | 99 | 68.8 | 26-Jul-09 |
| Monsanto | DKC27-45 Bt | 2 | 6.3 | 94 | 69.2 | 31-Jul-09 |
| Seeds 2000 | 2791RR | 2 | 6.8 | 102 | 69.4 | 6-Aug-09 |
| Syngenta | N09T-CB/LL/RW | 1 | 7.2 | 108 | 69.4 | 5-Aug-09 |
| Monsanto | DKC30-23 | 1 | 6.7 | 100 | 69.6 | 5-Aug-09 |
| Pride | A4705HMRR | 2 | 7.8 | 117 | 70.7 | 6-Aug-09 |
| Hyland | HL SR06 | 3 | 5.9 | 92 | 71.9 | 30-Jul-09 |
| Hyland | HL R219 | 2 | 6.1 | 103 | 73.8 | 29-Jul-09 |
| Hyland | HL B22R | 2 | 6.8 | 103 | 75.6 | 8-Aug-09 |



2009 Corn Hybrid Silage Results for Lethbridge, AB.

| Company | Hybrid | Anthesis | Silking | Dry Yield (t/ha) | Whole Plant Moisture % |
|----------------|--------------------------|-----------|-----------|------------------|------------------------|
| Syngenta | N04A-CB/LL/RW | 03-Aug-09 | 5-Aug-09 | 18.5 | 54.5 |
| Pioneer | P7535R | 31-Jul-09 | 2-Aug-09 | 16.9 | 54.5 |
| Pioneer | 39F57 | 04-Aug-09 | 6-Aug-09 | 18.7 | 56.8 |
| Maizex | LF 755RR | 04-Aug-09 | 5-Aug-09 | 20.4 | 57.0 |
| Syngenta | N06-C1 | 30-Jul-09 | 1-Aug-09 | 16.3 | 57.3 |
| Syngenta | N09T-CB/LL/RW | 04-Aug-09 | 7-Aug-09 | 18.4 | 58.0 |
| Croplan | 184RR | 03-Aug-09 | 4-Aug-09 | 18.5 | 58.5 |
| Hyland | Baxxos RR | 31-Jul-09 | 2-Aug-09 | 19.0 | 58.8 |
| Hyland | HL B18R | 31-Jul-09 | 2-Aug-09 | 19.6 | 58.8 |
| Syngenta | N05-C7 | 31-Jul-09 | 2-Aug-09 | 16.6 | 59.3 |
| Pioneer | 39D95 | 03-Aug-09 | 4-Aug-09 | 17.7 | 59.5 |
| Maizex | MZ 1261BR | 01-Aug-09 | 3-Aug-09 | 17.7 | 59.5 |
| Seeds 2000 | 2791RR | 04-Aug-09 | 5-Aug-09 | 20.3 | 59.8 |
| Pickseed | 2501 RR | 04-Aug-09 | 5-Aug-09 | 19.7 | 60.3 |
| Maizex | LF 728R | 02-Aug-09 | 3-Aug-09 | 19.6 | 60.8 |
| Monsanto | DKC30-23 | 04-Aug-09 | 6-Aug-09 | 19.0 | 61.5 |
| Hyland | HL R219 | 05-Aug-09 | 5-Aug-09 | 21.4 | 61.5 |
| Praire Pacific | PP2146 | 03-Aug-09 | 4-Aug-09 | 18.8 | 61.5 |
| Elite | Fusion RR | 03-Aug-09 | 4-Aug-09 | 20.2 | 61.8 |
| Maizex | LF 755Bt/RR | 06-Aug-09 | 7-Aug-09 | 20.0 | 62.0 |
| Maizex | EX0903 | 08-Aug-09 | 11-Aug-09 | 21.1 | 62.5 |
| Elite | 20T47 RR | 04-Aug-09 | 6-Aug-09 | 19.2 | 62.8 |
| Monsanto | DKC27-45 Bt | 01-Aug-09 | 3-Aug-09 | 18.7 | 62.8 |
| Pride | A4176BtRR | 03-Aug-09 | 5-Aug-09 | 19.6 | 63.0 |
| Monsanto | DKC30-20VT3 | 04-Aug-09 | 7-Aug-09 | 20.2 | 63.3 |
| Pioneer | P8581R | 08-Aug-09 | 10-Aug-09 | 20.7 | 63.3 |
| Hyland | HL S011 | 11-Aug-09 | 14-Aug-09 | 18.1 | 63.8 |
| Maizex | LF 7224BR | 04-Aug-09 | 5-Aug-09 | 21.3 | 63.8 |
| Maizex | MZ 1677R | 04-Aug-09 | 6-Aug-09 | 20.9 | 64.5 |
| Pickseed | SilEx BtRR | 02-Aug-09 | 4-Aug-09 | 22.0 | 64.5 |
| Pride | A4705HMRR | 04-Aug-09 | 4-Aug-09 | 19.8 | 65.0 |
| Maizex | EX0923 | 04-Aug-09 | 6-Aug-09 | 17.9 | 65.0 |
| Hyland | HL B22R | 06-Aug-09 | 9-Aug-09 | 19.9 | 66.0 |
| Pickseed | 26847 | 08-Aug-09 | 10-Aug-09 | 15.0 | 66.3 |
| Hyland | HL B24R | 10-Aug-09 | 12-Aug-09 | 21.4 | 66.3 |
| Elite | 25T27 RR | 09-Aug-09 | 11-Aug-09 | 20.7 | 67.0 |
| Praire Pacific | PPX7811 | 07-Aug-09 | 10-Aug-09 | 18.5 | 67.0 |
| Elite | Murano RR | 09-Aug-09 | 11-Aug-09 | 23.8 | 68.0 |
| | Pr > F | < 0.0001 | < 0.0001 | < 0.0001 | < 0.0001 |
| | F Value | 31.01 | 34.16 | 5.07 | 11.03 |
| | R-Square | 0.92 | 0.92 | 0.65 | 0.79 |
| | Coefficient of Variation | 0.49 | 0.49 | 7.84 | 3.38 |
| | Mean | 217 | 218 | 19.40 | 61.70 |
| | LSDp=0.05 | 1.5 | 1.5 | 2.9 | 2.9 |



2009 Corn Hybrid Silage Results for Vauxhall, AB.

| Company | Hybrid | Anthesis | Silking | Dry Yield (t/ha) | Whole Plant Moisture % |
|----------------|--------------------------|-----------|-----------|------------------|------------------------|
| Pioneer | 39D95 | 26-Jul-09 | 29-Jul-09 | 18.0 | 44.3 |
| Seeds 2000 | 2791RR | 28-Jul-09 | 31-Jul-09 | 21.0 | 48.8 |
| Maizex | EX0903 | 31-Jul-09 | 02-Aug-09 | 23.5 | 48.8 |
| Monsanto | DKC30-20VT3 | 28-Jul-09 | 31-Jul-09 | 19.2 | 49.0 |
| Monsanto | DKC30-23 | 28-Jul-09 | 30-Jul-09 | 21.7 | 49.3 |
| Hyland | HL R219 | 29-Jul-09 | 31-Jul-09 | 22.4 | 49.3 |
| Syngenta | N09T-CB/LL/RW | 29-Jul-09 | 01-Aug-09 | 20.8 | 49.3 |
| Croplan | 184RR | 28-Jul-09 | 31-Jul-09 | 16.7 | 50.3 |
| Praire Pacific | PP2146 | 28-Jul-09 | 31-Jul-09 | 21.2 | 50.3 |
| Pioneer | P8581R | 01-Aug-09 | 04-Aug-09 | 21.1 | 50.5 |
| Maizex | EX0923 | 28-Jul-09 | 31-Jul-09 | 19.7 | 51.0 |
| Maizex | LF 755RR | 28-Jul-09 | 30-Jul-09 | 20.2 | 51.3 |
| Pride | A4176BtRR | 27-Jul-09 | 30-Jul-09 | 21.5 | 51.5 |
| Pride | A4705HMRR | 28-Jul-09 | 30-Jul-09 | 20.6 | 51.5 |
| Syngenta | N06-C1 | 26-Jul-09 | 29-Jul-09 | 18.6 | 51.5 |
| Maizex | MZ 1261BR | 26-Jul-09 | 29-Jul-09 | 20.8 | 51.8 |
| Maizex | LF 755Bt/RR | 29-Jul-09 | 01-Aug-09 | 23.0 | 52.0 |
| Praire Pacific | PPX7811 | 31-Jul-09 | 02-Aug-09 | 21.8 | 52.0 |
| Maizex | LF 728R | 28-Jul-09 | 31-Jul-09 | 20.8 | 52.3 |
| Syngenta | N04A-CB/LL/RW | 29-Jul-09 | 01-Aug-09 | 16.1 | 52.3 |
| Hyland | Baxxos RR | 27-Jul-09 | 30-Jul-09 | 19.3 | 52.5 |
| Elite | Fusion RR | 27-Jul-09 | 30-Jul-09 | 20.6 | 53.3 |
| Syngenta | N05-C7 | 27-Jul-09 | 30-Jul-09 | 18.8 | 53.3 |
| Maizex | LF 7224BR | 27-Jul-09 | 30-Jul-09 | 23.9 | 53.5 |
| Monsanto | DKC27-45 Bt | 26-Jul-09 | 29-Jul-09 | 20.9 | 54.0 |
| Hyland | HL B18R | 27-Jul-09 | 29-Jul-09 | 20.8 | 54.0 |
| Hyland | HL S011 | 02-Aug-09 | 05-Aug-09 | 20.7 | 54.0 |
| Seeds 2000 | 2781RR | 29-Jul-09 | 01-Aug-09 | 18.9 | 54.3 |
| Hyland | HL B22R | 28-Jul-09 | 31-Jul-09 | 23.1 | 54.3 |
| Monsanto | DKC34-29 Bt | 31-Jul-09 | 02-Aug-09 | 20.6 | 54.5 |
| Pioneer | 38B11 | 31-Jul-09 | 02-Aug-09 | 20.9 | 54.8 |
| Monsanto | DKC34-28 | 31-Jul-09 | 02-Aug-09 | 19.4 | 54.8 |
| Hyland | HL B24R | 02-Aug-09 | 05-Aug-09 | 24.2 | 54.8 |
| Maizex | MZ 1677R | 27-Jul-09 | 30-Jul-09 | 21.8 | 54.8 |
| Elite | 25T27 RR | 01-Aug-09 | 03-Aug-09 | 21.7 | 55.0 |
| Elite | Murano RR | 31-Jul-09 | 03-Aug-09 | 25.1 | 55.0 |
| Elite | 20T47 RR | 28-Jul-09 | 31-Jul-09 | 19.2 | 55.8 |
| | Pr > F | < 0.0001 | < 0.0001 | < 0.0001 | 0.0047 |
| | F Value | 8.25 | 10.47 | 3.97 | 1.95 |
| | R-Square | 0.74 | 0.78 | 0.62 | 0.79 |
| | Coefficient of Variation | 0.64 | 0.51 | 9.28 | 6.34 |
| | Mean | 210 | 213 | 20.80 | 52.20 |
| | LSDp=0.05 | 1.9 | 1.5 | 2.7 | 2.0 |



2009 Corn Hybrid Silage Results for Brooks, AB.

| Company | Hybrid | Anthesis | Silking | Dry Yield (t/ha) | Whole Plant Moisture % |
|----------------|--------------------------|-----------|-----------|------------------|------------------------|
| Pioneer | 39D95 | 03-Aug-09 | 08-Aug-09 | 15.1 | 45.7 |
| Pioneer | P7535R | 03-Aug-09 | 06-Aug-09 | 13.6 | 46.1 |
| Pickseed | 2501 RR | 06-Aug-09 | 08-Aug-09 | 15.1 | 47.6 |
| Syngenta | N05-C7 | 03-Aug-09 | 05-Aug-09 | 12.4 | 47.8 |
| Hyland | HL R219 | 08-Aug-09 | 09-Aug-09 | 14.1 | 48.1 |
| Praire Pacific | PP2146 | 07-Aug-09 | 09-Aug-09 | 15.1 | 48.4 |
| Croplan | 184RR | 07-Aug-09 | 10-Aug-09 | 14.1 | 48.9 |
| Maizex | LF 755RR | 07-Aug-09 | 09-Aug-09 | 15.5 | 49.2 |
| Pioneer | 39F57 | 07-Aug-09 | 11-Aug-09 | 13.7 | 49.3 |
| Maizex | LF 728R | 07-Aug-09 | 08-Aug-09 | 16.1 | 49.7 |
| Syngenta | N04A-CB/LL/RW | 06-Aug-09 | 11-Aug-09 | 14.0 | 50.5 |
| Elite | Fusion RR | 06-Aug-09 | 10-Aug-09 | 15.4 | 50.9 |
| Pride | A4176BtRR | 05-Aug-09 | 09-Aug-09 | 14.9 | 51.1 |
| Seeds 2000 | 2791RR | 07-Aug-09 | 09-Aug-09 | 16.2 | 51.1 |
| Pickseed | 26847 | 09-Aug-09 | 14-Aug-09 | 14.5 | 51.4 |
| Monsanto | DKC30-23 | 06-Aug-09 | 10-Aug-09 | 15.8 | 51.5 |
| Syngenta | N06-C1 | 30-Jul-09 | 04-Aug-09 | 13.6 | 51.5 |
| Monsanto | DKC27-45 Bt | 04-Aug-09 | 09-Aug-09 | 13.4 | 51.6 |
| Monsanto | DKC30-20VT3 | 08-Aug-09 | 12-Aug-09 | 13.8 | 51.8 |
| Hyland | Baxxos RR | 03-Aug-09 | 07-Aug-09 | 14.4 | 51.9 |
| Maizex | LF 7224BR | 07-Aug-09 | 11-Aug-09 | 15.8 | 52.0 |
| Pickseed | SilEx BtRR | 06-Aug-09 | 10-Aug-09 | 15.0 | 52.2 |
| Maizex | MZ 1677R | 06-Aug-09 | 10-Aug-09 | 15.4 | 52.4 |
| Maizex | MZ 1261BR | 31-Jul-09 | 06-Aug-09 | 13.4 | 53.0 |
| Maizex | LF 755Bt/RR | 09-Aug-09 | 11-Aug-09 | 14.2 | 53.1 |
| Seeds 2000 | 2781RR | 08-Aug-09 | 11-Aug-09 | 13.7 | 53.2 |
| Hyland | HL B18R | 05-Aug-09 | 08-Aug-09 | 14.6 | 53.2 |
| Elite | 20T47 RR | 08-Aug-09 | 12-Aug-09 | 14.5 | 53.3 |
| Pride | A4705HMRR | 07-Aug-09 | 09-Aug-09 | 14.5 | 53.8 |
| Syngenta | N09T-CB/LL/RW | 07-Aug-09 | 12-Aug-09 | 15.0 | 53.9 |
| Hyland | HL S011 | 16-Aug-09 | 19-Aug-09 | 15.0 | 57.6 |
| Elite | 25T27 RR | 14-Aug-09 | 17-Aug-09 | 16.5 | 58.0 |
| Elite | Murano RR | 13-Aug-09 | 16-Aug-09 | 16.4 | 58.7 |
| Hyland | HL B24R | 12-Aug-09 | 18-Aug-09 | 16.1 | 58.9 |
| Pioneer | P8581R | 08-Aug-09 | 16-Aug-09 | 13.8 | 59.1 |
| Praire Pacific | PPX7811 | 09-Aug-09 | 17-Aug-09 | 14.6 | 59.3 |
| Hyland | HL B22R | 06-Aug-09 | 13-Aug-09 | 14.9 | 60.5 |
| | Pr > F | < 0.0001 | < 0.0001 | 0.0035 | < 0.0001 |
| | F Value | 18.28 | 19.41 | 1.99 | 7.14 |
| | R-Square | 0.88 | 0.89 | 0.54 | 0.79 |
| | Coefficient of Variation | 0.70 | 0.73 | 9.25 | 5.44 |
| | Mean | 219 | 223 | 14.70 | 52.30 |
| | LSD _{p=0.05} | 2.2 | 2.3 | 1.9 | 4.0 |



2009 Corn Hybrid Silage Results for Bow Island, AB.

| Company | Hybrid | Anthesis | Silking | Dry Yield (t/ha) | Whole Plant Moisture % |
|----------------|--------------------------|-----------|-----------|------------------|------------------------|
| Pioneer | 39D95 | 28-Jul-09 | 03-Aug-09 | 17.3 | 43.5 |
| Pride | A4176BtRR | 27-Jul-09 | 02-Aug-09 | 19.4 | 48.8 |
| Hyland | HL B18R | 27-Jul-09 | 01-Aug-09 | 18.3 | 49.8 |
| Monsanto | DKC30-20VT3 | 02-Aug-09 | 06-Aug-09 | 20.0 | 49.9 |
| Hyland | HL B22R | 02-Aug-09 | 06-Aug-09 | 17.7 | 51.7 |
| Monsanto | DKC27-45 Bt | 27-Jul-09 | 01-Aug-09 | 18.5 | 52.1 |
| Praire Pacific | PP2146 | 30-Jul-09 | 02-Aug-09 | 18.3 | 52.4 |
| Pickseed | 26847 | 03-Aug-09 | 09-Aug-09 | 15.9 | 52.5 |
| Hyland | Baxxos RR | 27-Jul-09 | 01-Aug-09 | 18.5 | 53.0 |
| Maizex | LF 7224BR | 31-Jul-09 | 03-Aug-09 | 19.6 | 53.1 |
| Hyland | HL R219 | 31-Jul-09 | 02-Aug-09 | 19.6 | 53.3 |
| Croplan | 184RR | 31-Jul-09 | 03-Aug-09 | 18.6 | 53.6 |
| Maizex | LF 755RR | 01-Aug-09 | 03-Aug-09 | 16.2 | 53.6 |
| Pickseed | 25906 | 04-Aug-09 | 11-Aug-09 | 16.9 | 53.7 |
| Monsanto | DKC30-23 | 02-Aug-09 | 05-Aug-09 | 18.5 | 53.9 |
| Pickseed | 2501 RR | 31-Jul-09 | 03-Aug-09 | 19.4 | 54.1 |
| Elite | Fusion RR | 31-Jul-09 | 02-Aug-09 | 20.0 | 54.5 |
| Maizex | LF 728R | 01-Aug-09 | 03-Aug-09 | 19.5 | 54.5 |
| Maizex | LF 755Bt/RR | 02-Aug-09 | 04-Aug-09 | 19.9 | 54.6 |
| Syngenta | N15-A9 | 04-Aug-09 | 08-Aug-09 | 15.9 | 55.2 |
| Seeds 2000 | 2791RR | 31-Jul-09 | 02-Aug-09 | 20.1 | 56.1 |
| Pioneer | 38B11 | 05-Aug-09 | 10-Aug-09 | 17.6 | 56.1 |
| Pride | A4705HMRR | 30-Jul-09 | 02-Aug-09 | 19.6 | 56.2 |
| Elite | 20T47 RR | 03-Aug-09 | 06-Aug-09 | 17.6 | 56.6 |
| Seeds 2000 | 2781RR | 02-Aug-09 | 07-Aug-09 | 17.8 | 56.7 |
| Praire Pacific | PPX7811 | 04-Aug-09 | 09-Aug-09 | 17.9 | 56.7 |
| Syngenta | N19G-CB/LL | 07-Aug-09 | 08-Aug-09 | 17.9 | 57.2 |
| Maizex | MZ 1677R | 31-Jul-09 | 03-Aug-09 | 20.3 | 57.6 |
| Elite | 25T27 RR | 06-Aug-09 | 11-Aug-09 | 19.4 | 57.8 |
| Monsanto | DKC34-29 Bt | 02-Aug-09 | 06-Aug-09 | 18.7 | 58.0 |
| Pioneer | P8581R | 03-Aug-09 | 09-Aug-09 | 20.1 | 58.0 |
| Elite | Murano RR | 06-Aug-09 | 09-Aug-09 | 21.6 | 58.2 |
| Syngenta | N17H-CB/LL | 04-Aug-09 | 08-Aug-09 | 15.9 | 58.3 |
| Hyland | HL S011 | 09-Aug-09 | 12-Aug-09 | 16.3 | 59.0 |
| Monsanto | DKC34-28 | 03-Aug-09 | 07-Aug-09 | 17.5 | 59.2 |
| Pickseed | SilEx BtRR | 01-Aug-09 | 04-Aug-09 | 18.5 | 61.8 |
| Hyland | HL B24R | 06-Aug-09 | 10-Aug-09 | 20.6 | 62.4 |
| | Pr > F | < 0.0001 | < 0.0001 | < 0.0001 | 0.0057 |
| | F Value | 19.95 | 16.09 | 2.69 | 1.91 |
| | R-Square | 0.87 | 0.84 | 0.51 | 0.49 |
| | Coefficient of Variation | 0.66 | 0.75 | 9.44 | 9.64 |
| | Mean | 214 | 218 | 18.50 | 55.00 |
| | LSD _{p=0.05} | 2.0 | 2.3 | 2.5 | 7.4 |



2009 Corn Hybrid Silage Results for Outlook, SK.

| <u>Company</u> | <u>Hybrid</u> | <u>Anthesis</u> | <u>Silking</u> | <u>Dry Yield (t/ha)</u> | <u>Whole Plant Moisture %</u> |
|----------------|--------------------------|-----------------|----------------|-------------------------|-------------------------------|
| Pioneer | P7213R | 07-Aug-09 | 13-Aug-09 | 14.6 | 58.4 |
| Syngenta | N04A-CB/LL/RW | 11-Aug-09 | 17-Aug-09 | 16.5 | 58.9 |
| Pioneer | 39D95 | 11-Aug-09 | 15-Aug-09 | 14.2 | 59.1 |
| Pioneer | P7535R | 07-Aug-09 | 14-Aug-09 | 13.6 | 59.2 |
| Pioneer | 39F57 | 11-Aug-09 | 14-Aug-09 | 15.4 | 59.3 |
| Hyland | Baxxos RR | 07-Aug-09 | 13-Aug-09 | 15.3 | 59.5 |
| Elite | 91B17 RR | 08-Aug-09 | 13-Aug-09 | 16.0 | 60.0 |
| Hyland | HL R219 | 12-Aug-09 | 14-Aug-09 | 15.9 | 60.2 |
| Seeds 2000 | 2781RR | 13-Aug-09 | 17-Aug-09 | 15.9 | 60.2 |
| Croplan | 184RR | 12-Aug-09 | 14-Aug-09 | 16.3 | 60.2 |
| Hyland | HL B18R | 07-Aug-09 | 12-Aug-09 | 14.8 | 60.3 |
| Pride | A4176BtRR | 11-Aug-09 | 16-Aug-09 | 18.1 | 60.7 |
| Hyland | HL 2093 | 07-Aug-09 | 13-Aug-09 | 14.6 | 60.8 |
| Syngenta | N05-C7 | 11-Aug-09 | 14-Aug-09 | 14.1 | 60.8 |
| Monsanto | DKC30-20VT3 | 12-Aug-09 | 16-Aug-09 | 14.8 | 61.1 |
| Syngenta | N06-C1 | 04-Aug-09 | 12-Aug-09 | 14.8 | 61.3 |
| Seeds 2000 | 2791RR | 13-Aug-09 | 14-Aug-09 | 16.6 | 61.7 |
| Monsanto | DKC27-45 Bt | 06-Aug-09 | 12-Aug-09 | 12.8 | 61.7 |
| Syngenta | N09T-CB/LL/RW | 12-Aug-09 | 16-Aug-09 | 16.6 | 62.5 |
| Monsanto | DKC30-23 | 12-Aug-09 | 16-Aug-09 | 15.5 | 62.7 |
| Pride | A4705HMRR | 13-Aug-09 | 14-Aug-09 | 17.8 | 63.8 |
| Hyland | HL SR06 | 09-Aug-09 | 17-Aug-09 | 12.6 | 64.7 |
| Hyland | HL B22R | 13-Aug-09 | 18-Aug-09 | 16.0 | 67.9 |
| | Pr > F | < 0.0001 | < 0.0001 | < 0.0001 | < 0.0001 |
| | F Value | 30.13 | 7.41 | 3.22 | 4.87 |
| | R-Square | 0.92 | 0.74 | 0.57 | 0.64 |
| | Coefficient of Variation | 0.44 | 0.59 | 10.10 | 3.20 |
| | Mean | 222 | 227 | 15.34 | 61.10 |
| | LSD _{p=0.05} | 1.4 | 1.9 | 2.8 | 2.2 |



2009 Corn Hybrid Silage Results for Lacombe, AB.

| Company | Hybrid | Anthesis | Silking | Dry Yield (t/ha) | Whole Plant Moisture % |
|----------|--------------------------|-----------|-----------|------------------|------------------------|
| Pioneer | 39F45 | 09-Aug-09 | 11-Aug-09 | 9.9 | 63.0 |
| Hyland | HL 2093 | 13-Aug-09 | 15-Aug-09 | 10.0 | 63.5 |
| Pioneer | P7535R | 13-Aug-09 | 15-Aug-09 | 11.3 | 64.5 |
| Croplan | 184RR | 14-Aug-09 | 16-Aug-09 | 9.7 | 65.8 |
| Pickseed | 2240RR | 13-Aug-09 | 15-Aug-09 | 10.0 | 65.8 |
| Pioneer | P7213R | 12-Aug-09 | 14-Aug-09 | 11.2 | 66.3 |
| Hyland | Baxxos RR | 12-Aug-09 | 14-Aug-09 | 10.2 | 66.5 |
| Hyland | HL B18R | 12-Aug-09 | 14-Aug-09 | 9.9 | 67.3 |
| Elite | 91B17 RR | 11-Aug-09 | 13-Aug-09 | 9.8 | 67.5 |
| Hyland | HL R219 | 15-Aug-09 | 17-Aug-09 | 10.5 | 67.5 |
| Monsanto | DKC27-45 Bt | 14-Aug-09 | 16-Aug-09 | 9.2 | 69.3 |
| Syngenta | N04A-CB/LL/RW | 15-Aug-09 | 17-Aug-09 | 9.8 | 70.3 |
| Hyland | HL SR06 | 15-Aug-09 | 17-Aug-09 | 8.4 | 70.8 |
| Pickseed | 22919 RR | 15-Aug-09 | 17-Aug-09 | 9.5 | 71.0 |
| Elite | 39C27 RR | 15-Aug-09 | 17-Aug-09 | 11.1 | 71.0 |
| Syngenta | N09T-CB/LL/RW | 15-Aug-09 | 17-Aug-09 | 10.6 | 71.5 |
| Hyland | HL B22R | 16-Aug-09 | 18-Aug-09 | 11.6 | 73.0 |
| | Pr > F | < 0.0001 | < 0.0001 | 0.0010 | < 0.0001 |
| | F Value | 30.52 | 31.52 | 3.18 | 11.43 |
| | R-Square | 0.91 | 0.91 | 0.59 | 0.83 |
| | Coefficient of Variation | 0.31 | 0.30 | 9.06 | 2.61 |
| | Mean | 226 | 228 | 10.20 | 68.00 |
| | LSD _{p=0.05} | 1.5 | 1.5 | 2.9 | 2.9 |



2010 Alberta Corn Committee Grain Hybrid Performance List

| | | CHU | Location | Yield | % of | % | Test Weight | |
|-----------------|-------------|---------------------|----------|---------|-------------|----------|-------------|-----------|
| Company | Hybrid | Rating [‡] | Years | (bu/ac) | Pooled Mean | Moisture | (lb/bu) | Anthesis |
| Pioneer | P7213R | 2050 | 8 | 120.5 | 108 | 20.8 | 55.1 | 05-Jul-09 |
| Pickseed | 2230 RR | 2075 | 6 | 112.0 | 99 | 24.2 | 53.9 | 24-Jul-09 |
| Maizex | MZ 1272R | 2050 | 7 | 114.7 | 102 | 26.1 | 58.3 | 21-Jul-09 |
| Pioneer | 39D95 | 2300 | 8 | 119.1 | 107 | 26.3 | 52.5 | 27-Jul-09 |
| Monsanto | DKC26-79 Bt | 2150 | 8 | 119.2 | 105 | 28.6 | 52.3 | 25-Jul-09 |
| Pickseed | 2240 RR | 2150 | 7 | 114.1 | 101 | 29.0 | 55.0 | 26-Jul-09 |
| Prairie Pacific | PP2146 | 2300 | 7 | 115.9 | 103 | 31.7 | 52.8 | 30-Jul-09 |
| Croplan | 229BtRR | 2300 | 9 | 113.8 | 101 | 31.8 | 49.4 | 01-Aug-09 |
| Seeds 2000 | 2781RR | 2250 | 9 | 111.1 | 97 | 32.8 | 51.6 | 30-Jul-09 |
| Seeds 2000 | 2791RR | 2250 | 5 | 113.8 | 102 | 33.3 | 52.1 | 30-Jul-09 |

[†] Based on results up to and including 2009. Hybrid must have a minimum of 5 station years of testing over two calendar years at the four core sites to be reported in this table. The four core sites are Lethbridge, Vauxhall, Bow Island, and Brooks. For information on Lacombe and Outlook long term performance results please refer

[‡] CHU Rating provided by Company



2009 Alberta Corn Committee Grain Hybrid Performance Averaged Over Locations

| Company | Hybrid | Locations | Yield (bu/ac) | Yield (% Checks) [†] | Moisture | TWT (kg/hl) | Anthesis |
|-----------------|---------------|-----------|------------------|----------------------------------|----------|----------------|-----------|
| Pioneer | P7213R | 5 | 136 | 99.0 | 19.8 | 68.2 | 29-Jul-09 |
| Monsanto | DKC30-20VT3 | 1 | 134 | 103.0 | 22.1 | 62.1 | 02-Aug-09 |
| Pioneer | 39D95 | 5 | 140 | 103.0 | 23.0 | 66.4 | 30-Jul-09 |
| Monsanto | DKC30-23 | 1 | 142 | 108.0 | 23.1 | 61.5 | 01-Aug-09 |
| Pioneer | 39V05 | 5 | 142 | 104.0 | 23.5 | 64.3 | 01-Aug-09 |
| Pioneer | P7535R | 5 | 127 | 94.0 | 23.6 | 64.9 | 30-Jul-09 |
| Elite | 12 E 25 | 3 | 137 | 95.0 | 24.9 | 71.3 | 27-Jul-09 |
| Pickseed | 2230 RR | 3 | 131 | 100.0 | 26.8 | 65.8 | 28-Jul-09 |
| Monsanto | DKC26-79 Bt | 5 | 141 | 104.0 | 27.1 | 64.3 | 29-Jul-09 |
| Syngenta | N04A-CB/LL/RW | 5 | 129 | 95.0 | 27.5 | 67.4 | 31-Jul-09 |
| Seeds 2000 | 2791RR | 2 | 126 | 104.0 | 27.8 | 63.3 | 02-Aug-09 |
| Miazelex | MZ 1272R | 4 | 136 | 101.0 | 27.9 | 70.8 | 25-Jul-09 |
| Monsanto | DKC27-33 Bt | 5 | 138 | 101.0 | 27.9 | 66.9 | 29-Jul-09 |
| Croplan | 229BtRR | 2 | 129 | 91.0 | 27.9 | 60.1 | 31-Jul-09 |
| Syngenta | N19G-CB/LL | 1 | 116 | 88.0 | 30.0 | 57.0 | 08-Aug-09 |
| Maizex | MZ 1261BR | 3 | 149 | 108.0 | 30.1 | 65.3 | 29-Jul-09 |
| Pickseed | 2240 RR | 3 | 126 | 96.0 | 30.1 | 64.9 | 30-Jul-09 |
| Seeds 2000 | 2781RR | 3 | 123 | 94.0 | 30.1 | 61.4 | 02-Aug-09 |
| Syngenta | N15-A9 | 1 | 105 | 80.0 | 30.4 | 56.2 | 03-Aug-09 |
| Syngenta | N17H-CB/LL | 1 | 100 | 76.0 | 30.6 | 60.0 | 04-Aug-09 |
| Syngenta | N09T-CB/LL/RW | 5 | 129 | 94.0 | 31.1 | 65.3 | 01-Aug-09 |
| Prairie Pacific | PP8781 | 4 | 127 | 93.0 | 31.6 | 62.2 | 03-Aug-09 |
| Mycogen | MT Lena | 4 | 116 | 85.0 | 31.9 | 70.3 | 31-Jul-09 |
| Elite | 20T47 RR | 3 | 136 | 94.0 | 33.0 | 62.6 | 02-Aug-09 |
| Prairie Pacific | PP2146 | 2 | 130 | 93.0 | 33.1 | 62.8 | 02-Aug-09 |
| Mycogen | MT Mattes | 4 | 134 | 97.0 | 35.1 | 62.8 | 31-Jul-09 |
| Mycogen | MT Maksym | 4 | 139 | 102.0 | 36.0 | 65.3 | 02-Aug-09 |
| Pickseed | 22919 RR | 3 | 101 | 78.0 | 37.5 | 60.2 | 04-Aug-09 |

† % of checks is the mean performance of the hybrid compared to the mean performance of all varieties at each location where the hybrid is tested.

Therefore, the value is unique to each hybrid as the number of locations tested differs between each hybrid. For example, a hybrid with lower yield can still have a high value for '% checks' if the hybrid was only tested in a low-yield environment and produced higher yield than the average of the other entries at that site. A hybrid with a higher yield value may have a lower value for '% checks' if it was tested in med- to high-yield environments and was not superior to the average of the other hybrids tested in those environments.



Alberta Corn Committee Grain Hybrid Performance – Outlook Multi-Year Data

| | | | Yield | Yield | | TWT | |
|----------|---------------|-------|---------|------------|----------|---------|-----------|
| Company | Hybrid | Years | (bu/ac) | (% Checks) | Moisture | (kg/hl) | Anthesis |
| Pioneer | 39V05 | 1 | 128.9 | 97.0 | 26.9 | 68.6 | 29-Jul-09 |
| Pioneer | P7213R | 2 | 137.0 | 103.0 | 29.0 | 70.3 | 29-Jul-09 |
| Monsanto | DKC26-79 Bt | 2 | 147.2 | 110.0 | 30.4 | 71.7 | 29-Jul-09 |
| Pioneer | 39D95 | 2 | 138.4 | 104.0 | 31.3 | 67.8 | 31-Jul-09 |
| Monsanto | DKC27-33 Bt | 1 | 126.7 | 96.0 | 35.0 | 74.2 | 29-Jul-09 |
| Pioneer | P7535R | 1 | 129.7 | 98.0 | 35.2 | 67.9 | 29-Jul-09 |
| Syngenta | N04A-CB/LL/RW | 1 | 108.6 | 82.0 | 35.6 | 74.8 | 29-Jul-09 |
| Syngenta | N09T-CB/LL/RW | 1 | 112.4 | 85.0 | 41.1 | 71.6 | 29-Jul-09 |
| Mycogen | MT Lena | 1 | 103.2 | 78.0 | 44.5 | 78.7 | 29-Jul-09 |
| Mycogen | MT Mattes | 1 | 113.3 | 85.0 | 53.9 | 67.2 | 29-Jul-09 |



2009 Corn Hybrid Grain Results for Lethbridge, AB.

| | | Anthesis | Silking | Yield | Yield | Moisture | TWT |
|----------------|--------------------------|-----------------|----------------|-----------------|----------------|-----------------|----------------|
| Company | Hybrid | 10% | 50% | (g/plot) | (bu/ac) | (%) | (kg/ha) |
| Pioneer | P7213R | 30-Jul-09 | 31-Jul-09 | 9898.5 | 172.5 | 26.8 | 66.4 |
| Elite | 12 E 25 | 30-Jul-09 | 01-Aug-09 | 8273.8 | 144.2 | 28.9 | 71.0 |
| Pickseed | 2230 RR | 29-Jul-09 | 31-Jul-09 | 8659.2 | 150.9 | 31.6 | 66.4 |
| Pioneer | P7535R | 02-Aug-09 | 04-Aug-09 | 7627.7 | 132.9 | 32.9 | 65.5 |
| Maizex | MZ 1272R | 27-Jul-09 | 29-Jul-09 | 8760.0 | 152.7 | 33.9 | 71.8 |
| Syngenta | N04A-CB/LL/RW | 03-Aug-09 | 05-Aug-09 | 8153.9 | 142.1 | 35.6 | 68.0 |
| Maizex | MZ 1261BR | 01-Aug-09 | 02-Aug-09 | 8848.3 | 154.2 | 35.9 | 65.6 |
| Pioneer | 39D95 | 03-Aug-09 | 05-Aug-09 | 8700.8 | 151.6 | 36.5 | 63.5 |
| Pioneer | 39V05 | 05-Aug-09 | 07-Aug-09 | 8456.3 | 147.4 | 36.9 | 61.2 |
| Monsanto | DKC26-79 Bt | 01-Aug-09 | 03-Aug-09 | 8652.4 | 150.8 | 37.8 | 64.0 |
| Monsanto | DKC27-33 Bt | 30-Jul-09 | 01-Aug-09 | 8602.3 | 149.9 | 38.2 | 67.2 |
| Praire Pacific | PP8781 | 04-Aug-09 | 06-Aug-09 | 7900.3 | 137.7 | 38.5 | 65.1 |
| Praire Pacific | PP2146 | 05-Aug-09 | 06-Aug-09 | 7507.1 | 130.8 | 38.6 | 64.3 |
| Pickseed | 2240 RR | 31-Jul-09 | 01-Aug-09 | 8468.8 | 147.6 | 39.1 | 67.8 |
| Elite | 20T47 RR | 06-Aug-09 | 07-Aug-09 | 7724.8 | 134.6 | 40.5 | 63.8 |
| Mycogen | MT Mattes | 03-Aug-09 | 05-Aug-09 | 8688.0 | 151.4 | 41.0 | 64.1 |
| Syngenta | N09T-CB/LL/RW | 04-Aug-09 | 05-Aug-09 | 8218.7 | 143.2 | 41.1 | 66.9 |
| Mycogen | MT Lena | 03-Aug-09 | 05-Aug-09 | 6640.9 | 115.7 | 41.3 | 70.9 |
| Pickseed | 22919 RR | 05-Aug-09 | 07-Aug-09 | 6467.8 | 112.7 | 41.7 | 63.9 |
| Mycogen | MT Maksym | 04-Aug-09 | 06-Aug-09 | 7595.1 | 132.4 | 42.2 | 68.0 |
| | | | | | | | |
| | Pr > F | < 0.0001 | < 0.0001 | < 0.0001 | -- | < 0.0001 | < 0.0001 |
| | F Value | 31.29 | 29.72 | 6.84 | -- | 18.78 | 8.28 |
| | R-Square | 0.92 | 0.91 | 0.73 | -- | 0.88 | 0.77 |
| | Coefficient of Variation | 0.45 | 0.44 | 6.90 | -- | 4.96 | 2.62 |
| | Mean | 214 | 216 | 8204.84 | -- | 36.93 | 66.14 |
| | LSD _{p=0.05} | 1.4 | 1.4 | 816.0 | -- | 2.6 | 2.5 |
| | | | | | | | |



2009 Corn Hybrid Grain Results for Vauxhall, AB.

| | | Anthesis | Silking | Yield | Yield | Moisture | TWT |
|----------------|--------------------------|-----------------|----------------|-----------------|----------------|-----------------|----------------|
| Company | Hybrid | 10% | 50% | (g/plot) | (bu/ac) | (%) | (kg/hl) |
| Pioneer | P7535R | 26-Jul-09 | 28-Jul-09 | 7664.0 | 133.6 | 21.0 | 70.0 |
| Pioneer | 39D95 | 27-Jul-09 | 29-Jul-09 | 8720.2 | 152.0 | 21.0 | 70.8 |
| Pioneer | 39V05 | 29-Jul-09 | 31-Jul-09 | 9929.7 | 173.0 | 22.0 | 70.4 |
| Elite | 12 E 25 | 27-Jul-09 | 30-Jul-09 | 7661.8 | 133.5 | 23.2 | 72.6 |
| Monsanto | DKC26-79 Bt | 26-Jul-09 | 28-Jul-09 | 10016.0 | 174.5 | 25.2 | 66.6 |
| Praire Pacific | PP8781 | 31-Jul-09 | 02-Aug-09 | 8903.6 | 155.2 | 25.4 | 67.7 |
| Maizex | MZ 1272R | 25-Jul-09 | 27-Jul-09 | 7590.5 | 132.3 | 25.8 | 71.8 |
| Maizex | MZ 1261BR | 26-Jul-09 | 28-Jul-09 | 10450.4 | 182.1 | 27.4 | 67.6 |
| Syngenta | N04A-CB/LL/RW | 27-Jul-09 | 30-Jul-09 | 9027.6 | 157.3 | 27.8 | 70.3 |
| Croplan | 229BTRR | 30-Jul-09 | 31-Jul-09 | 8298.5 | 144.6 | 29.4 | 63.6 |
| Elite | 20T47 RR | 30-Jul-09 | 01-Aug-09 | 8310.7 | 144.8 | 29.4 | 64.1 |
| Seeds 2000 | 2781RR | 31-Jul-09 | 01-Aug-09 | 8311.2 | 144.8 | 29.7 | 65.8 |
| Syngenta | N09T-CB/LL/RW | 29-Jul-09 | 31-Jul-09 | 9268.4 | 161.5 | 30.1 | 68.2 |
| Mycogen | MT Lena | 28-Jul-09 | 31-Jul-09 | 7510.1 | 130.9 | 30.4 | 69.7 |
| Monsanto | DKC27-33 Bt | 27-Jul-09 | 29-Jul-09 | 9224.1 | 160.7 | 30.7 | 67.1 |
| Mycogen | MT Maksym | 28-Jul-09 | 30-Jul-09 | 10020.8 | 174.6 | 34.8 | 67.9 |
| Mycogen | MT Mattes | 28-Jul-09 | 30-Jul-09 | 9303.2 | 162.1 | 35.3 | 63.8 |
| | | | | | | | |
| | Pr > F | < 0.0001 | < 0.0001 | < 0.0001 | -- | < 0.0001 | < 0.0001 |
| | F Value | 9.37 | 9.69 | 3.64 | -- | 13.61 | 14.06 |
| | R-Square | 0.79 | 0.79 | 0.58 | -- | 0.84 | 0.85 |
| | Coefficient of Variation | 0.50 | 0.48 | 11.22 | -- | 8.79 | 2.18 |
| | Mean | 209 | 211 | 8825.66 | -- | 27.14 | 68.33 |
| | LSD _{p=0.05} | 1.5 | 1.4 | 1406.2 | -- | 3.4 | 2.1 |
| | | | | | | | |



2009 Corn Hybrid Grain Results for Brooks, AB.

| | | Anthesis | Silking | Yield | Yield | Moisture | TWT |
|----------------|--------------------------|-----------------|----------------|-----------------|----------------|-----------------|----------------|
| Company | Hybrid | 10% | 50% | (g/plot) | (bu/ac) | (%) | (kg/ha) |
| Pioneer | P7535R | 01-Aug-09 | 05-Aug-09 | 6310.7 | 110.0 | 23.7 | 62.1 |
| Pioneer | 39V05 | 04-Aug-09 | 10-Aug-09 | 6629.6 | 115.5 | 24.3 | 60.8 |
| Pioneer | 39D95 | 01-Aug-09 | 08-Aug-09 | 6320.7 | 110.1 | 24.8 | 63.1 |
| Monsanto | DKC27-33 Bt | 30-Jul-09 | 04-Aug-09 | 6329.1 | 110.3 | 25.4 | 65.4 |
| Pickseed | 2230 RR | 30-Jul-09 | 02-Aug-09 | 6619.6 | 115.4 | 25.9 | 65.1 |
| Maizex | MZ 1272R | 27-Jul-09 | 29-Jul-09 | 7062.1 | 123.1 | 26.6 | 70.7 |
| Pickseed | 2240 RR | 01-Aug-09 | 04-Aug-09 | 5758.5 | 100.4 | 26.7 | 64.8 |
| Maizex | MZ 1261BR | 29-Jul-09 | 06-Aug-09 | 6375.0 | 111.1 | 27.2 | 62.9 |
| Seeds 2000 | 2791RR | 04-Aug-09 | 06-Aug-09 | 6345.0 | 110.6 | 29.8 | 62.3 |
| Monsanto | DKC26-79 Bt | 30-Jul-09 | 04-Aug-09 | 6653.7 | 116.0 | 30.6 | 59.7 |
| Syngenta | N04A-CB/LL/RW | 04-Aug-09 | 07-Aug-09 | 6156.4 | 107.3 | 32.0 | 61.7 |
| Seeds 2000 | 2781RR | 06-Aug-09 | 09-Aug-09 | 5501.8 | 95.9 | 33.3 | 57.2 |
| Mycogen | MT Lena | 01-Aug-09 | 06-Aug-09 | 6316.3 | 110.1 | 33.8 | 65.4 |
| Praire Pacific | PP8781 | 06-Aug-09 | 09-Aug-09 | 5354.9 | 93.3 | 34.0 | 57.7 |
| Mycogen | MT Maksym | 07-Aug-09 | 09-Aug-09 | 6046.5 | 105.4 | 37.1 | 61.0 |
| Syngenta | N09T-CB/LL/RW | 06-Aug-09 | 09-Aug-09 | 5366.4 | 93.5 | 37.1 | 60.5 |
| Pickseed | 22919 RR | 06-Aug-09 | 09-Aug-09 | 5011.4 | 87.3 | 37.1 | 58.2 |
| Mycogen | MT Mattes | 02-Aug-09 | 08-Aug-09 | 5955.1 | 103.8 | 37.5 | 59.0 |
| | | | | | | | |
| | Pr > F | < 0.0001 | < 0.0001 | 0.0023 | -- | < 0.0001 | < 0.0001 |
| | F Value | 14.26 | 23.76 | 2.62 | -- | 14.38 | 7.85 |
| | R-Square | 0.85 | 0.90 | 0.50 | -- | 0.84 | 0.75 |
| | Coefficient of Variation | 0.75 | 0.55 | 10.07 | -- | 8.89 | 3.72 |
| | Mean | 214 | 218 | 6112.45 | -- | 29.87 | 62.27 |
| | LSD _{p=0.05} | 2.3 | 1.7 | 872.8 | -- | 3.8 | 3.3 |
| | | | | | | | |



2009 Corn Hybrid Grain Results for Bow Island, AB

| | | Anthesis | Silking | Yield | Yield | Moisture | TWT |
|----------------|--------------------------|-----------------|----------------|-----------------|----------------|-----------------|----------------|
| Company | Hybrid | 10% | 50% | (g/plot) | (bu/ac) | (%) | (kg/ha) |
| Pioneer | P7213R | 27-Jul-09 | 03-Aug-09 | 6739.6 | 117.4 | 19.0 | 69.1 |
| Pioneer | 39D95 | 27-Jul-09 | 02-Aug-09 | 8367.6 | 145.8 | 19.3 | 67.5 |
| Pioneer | 39V05 | 02-Aug-09 | 06-Aug-09 | 7924.3 | 138.1 | 21.0 | 63.5 |
| Monsanto | DKC30-20VT3 | 02-Aug-09 | 05-Aug-09 | 7687.3 | 134.0 | 22.1 | 62.1 |
| Elite | 12 E 25 | 26-Jul-09 | 30-Jul-09 | 7629.4 | 133.0 | 22.6 | 70.5 |
| Pickseed | 2230 RR | 27-Jul-09 | 30-Jul-09 | 7273.3 | 126.7 | 23.1 | 65.9 |
| Monsanto | DKC30-23 | 01-Aug-09 | 04-Aug-09 | 8122.2 | 141.5 | 23.1 | 61.5 |
| Pioneer | P7535R | 29-Jul-09 | 03-Aug-09 | 7044.0 | 122.8 | 23.3 | 61.9 |
| Pickseed | 2240 RR | 27-Jul-09 | 02-Aug-09 | 7494.1 | 130.6 | 24.6 | 62.3 |
| Syngenta | N04A-CB/LL/RW | 30-Jul-09 | 04-Aug-09 | 7222.3 | 125.9 | 24.7 | 65.5 |
| Miazex | MZ 1272R | 22-Jul-09 | 27-Jul-09 | 7879.1 | 137.3 | 25.6 | 69.0 |
| Seeds 2000 | 2791RR | 01-Aug-09 | 03-Aug-09 | 8103.1 | 141.2 | 25.9 | 64.3 |
| Monsanto | DKC26-79 Bt | 27-Jul-09 | 03-Aug-09 | 7540.8 | 131.4 | 26.0 | 63.1 |
| Croplan | 229BtRR | 01-Aug-09 | 06-Aug-09 | 6449.9 | 112.4 | 26.5 | 56.7 |
| Syngenta | N09T-CB/LL/RW | 01-Aug-09 | 04-Aug-09 | 7521.2 | 131.1 | 26.9 | 62.8 |
| Seeds 2000 | 2781RR | 02-Aug-09 | 04-Aug-09 | 7333.6 | 127.8 | 27.5 | 61.2 |
| Praire Pacific | PP2146 | 31-Jul-09 | 03-Aug-09 | 7442.6 | 129.7 | 27.7 | 61.3 |
| Monsanto | DKC27-33 Bt | 27-Jul-09 | 02-Aug-09 | 7935.1 | 138.3 | 28.2 | 63.9 |
| Praire Pacific | PP8781 | 02-Aug-09 | 04-Aug-09 | 6952.3 | 121.2 | 28.5 | 58.6 |
| Elite | 20T47 RR | 02-Aug-09 | 04-Aug-09 | 7379.0 | 128.6 | 29.2 | 60.0 |
| Syngenta | N19G-CB/LL | 08-Aug-09 | 11-Aug-09 | 6637.7 | 115.7 | 30.0 | 57.0 |
| Mycogen | MT Maksym | 01-Aug-09 | 04-Aug-09 | 8210.2 | 143.1 | 30.1 | 64.6 |
| Syngenta | N15-A9 | 03-Aug-09 | 08-Aug-09 | 6012.0 | 104.8 | 30.4 | 56.2 |
| Syngenta | N17H-CB/LL | 04-Aug-09 | 08-Aug-09 | 5728.7 | 99.8 | 30.6 | 60.0 |
| Pickseed | 22919 RR | 02-Aug-09 | 06-Aug-09 | 5988.8 | 104.4 | 33.8 | 58.6 |
| | | | | | | | |
| | Pr > F | < 0.0001 | < 0.0001 | < 0.0001 | -- | < 0.0001 | < 0.0001 |
| | F Value | 28.19 | 12.26 | 5.27 | -- | 14.90 | 14.85 |
| | R-Square | 0.91 | 0.82 | 0.66 | -- | 0.85 | 0.85 |
| | Coefficient of Variation | 0.62 | 0.75 | 8.16 | -- | 7.65 | 3.06 |
| | Mean | 211 | 216 | 7304.73 | -- | 25.90 | 62.68 |
| | LSD _{p=0.05} | 1.9 | 2.3 | 840.6 | -- | 2.8 | 2.7 |
| | | | | | | | |



2009 Corn Hybrid Grain Results for Outlook, SK

| | | Anthesis | Silking | Yield | Yield | Moisture | TWT |
|----------------|--------------------------|-----------------|----------------|-----------------|----------------|-----------------|----------------|
| Company | Hybrid | 10% | 50% | (g/plot) | (bu/ac) | (%) | (kg/ha) |
| Pioneer | P7213R | 06-Aug-09 | 12-Aug-09 | 7728.8 | 134.7 | 12.7 | 68.0 |
| Pioneer | 39V05 | 13-Aug-09 | 16-Aug-09 | 7674.5 | 133.7 | 13.4 | 65.6 |
| Pioneer | 39D95 | 11-Aug-09 | 14-Aug-09 | 8100.1 | 141.2 | 13.8 | 67.2 |
| Monsanto | DKC26-79 Bt | 07-Aug-09 | 12-Aug-09 | 7722.1 | 134.6 | 16.0 | 68.5 |
| Monsanto | DKC27-33 Bt | 06-Aug-09 | 12-Aug-09 | 7543.6 | 131.5 | 17.4 | 71.0 |
| Pioneer | P7535R | 07-Aug-09 | 13-Aug-09 | 7723.1 | 134.6 | 17.5 | 65.0 |
| Syngenta | N04A-CB/LL/RW | 11-Aug-09 | 16-Aug-09 | 6462.4 | 112.6 | 17.7 | 71.6 |
| Syngenta | N09T-CB/LL/RW | 13-Aug-09 | 17-Aug-09 | 6689.4 | 116.6 | 20.4 | 68.5 |
| Mycogen | MT Lena | 06-Aug-09 | 13-Aug-09 | 6140.5 | 107.0 | 22.1 | 75.3 |
| Mycogen | MT Mattes | 09-Aug-09 | 15-Aug-09 | 6741.9 | 117.5 | 26.8 | 64.3 |
| | | | | | | | |
| | Pr > F | < 0.0001 | < 0.0001 | 0.0057 | -- | < 0.0001 | < 0.0001 |
| | F Value | 23.38 | 14.48 | 3.21 | -- | 12.52 | 14.85 |
| | R-Square | 0.91 | 0.87 | 0.59 | -- | 0.85 | 0.85 |
| | Coefficient of Variation | 0.47 | 0.38 | 9.37 | -- | 12.60 | 3.06 |
| | Mean | 221 | 226 | 7252.63 | -- | 17.79 | 62.68 |
| | LSD _{p=0.05} | 1.5 | 1.3 | 985.6 | -- | 3.3 | 2.7 |
| | | | | | | | |

