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## *Alberta Corn Committee*

### 2007 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 - six meter rows for the silage trials and four - six meter 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 were generally cool to start in the early spring but the dry weather and intense heat in mid-summer compensated resulting in very good to excellent grain and silage yield. Outlook suffered through light hail and a severe windstorm late in the summer but data for the site was surprisingly consistent across replicates so the data was included in the report. Soil variability was extreme at Vauxhall, which required the removal of several outliers, and resulted in very low yields. Therefore, presentation of Vauxhall grain data will be restricted to site means only and will not be part of any other reports. Conditions at Lethbridge were excellent and are most apparent in the grain data. What if we could consistently produce 200 bushel/acre corn on irrigation??

Corn Heat Units, accumulated from 15 May, 2007 to the first kill frost (-2 degrees Celsius), were as follows: Lethbridge 2477 CHU, Vauxhall 2369 CHU, Outlook, SK 2072 CHU and Lacombe 1981 CHU.

\* 30 year average (1974 - 2004)

\*\* 26 year average (1980 - 2004)

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## Invitation for Testing Corn Hybrids in 2008

This is the official notification inviting your company to participate in the Alberta corn hybrid performance trials. Notification of intent to participate, **together with payment and seed of proposed entries**, must be received no later than April 6<sup>th</sup>. Late arrivals risk exclusion from testing and forfeit of payment.

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 2008 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](http://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 1<sup>st</sup> 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.



## List of Co-operators

| <b>Location of Test</b> | <b>Co-operator</b>  | <b>Supervising Agency</b>      |
|-------------------------|---|--------------------------------|
| Lethbridge & Vauxhall   | Brian Beres<br><i>Technical Support:</i><br>Ryan Dyck<br>Sheree Kendrick<br>Steven Simmill<br>Chris Hietamaa<br>Christine Vucurevich  | Agriculture & Agri-Food Canada |
| Brooks & Bow Island     | Manjula Bandara<br><i>Technical Support:</i><br>Judy Webber<br>Forrest Scharf<br>Shawna Pow   | AAFRD - Brooks                 |
| Outlook                 | Terry Hogg<br><i>Technical Support:</i><br>Don David  | Agriculture & Agri-Food Canada |
| Lacombe                 | Brian Beres/Vern Baron<br><i>Technical Support:</i><br>Ryan Dyck<br>Sheree Kendrick<br>Steven Simmill<br>Chris Hietamaa<br>Christine Vucurevich<br>Dave Young<br>Tanya Rowe | Agriculture & Agri-Food Canada |



## Industry Participants

| <b>Company</b>        | <b>Hybrid Line</b> | <b>Contact</b>    | <b>Phone</b>           |
|-----------------------|--------------------|-------------------|------------------------|
| Brett Young Seeds     | Elite              | Rene Mabon        | 1-800-665-5015         |
| Monsanto              | DeKalb             | Joe McNulty       | (204) 985-1093         |
| PICKSEED              | PICKSEED           | Jay Hackney       | 1-800-661-4769         |
| Thompsons LTD         | Hyland Seeds       | Ryan Snobelen     | (519) 676-8146 ext 316 |
| Pioneer Hi-Bred       | Pioneer Hi-Bred    | Tim Welbanks      | 1-800-265-9435         |
| Syngenta              | NK Brand Seeds     | Gary Bauman       | 1-800-756-7333         |
| Pride Seeds           | Pride              | Fred Sinclair     | 1-800-265-5280         |
| Maizex Seeds Inc.     | Maizex             | Shawn Winter      | 1-877-682-1720         |
| Croplan Genetics      | Croplan Genetics   | Ken Van Den Bosch | (778) 808-7371         |
| Seeds 2000 Inc.       | Seeds 2000         | Carl Uytdehaag    | (604) 866-7371         |
| Prairie Pacific Seeds | Prairie Pacific    | Alexis Arthur     | (604) 319-0376         |



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## Soil Profiles, Seeding, and Harvest

| Location           | Soil Type  | Soil Zone  | Seed Date Silage | Seed Date Grain | Harvest Silage | Harvest Grain |
|--------------------|------------|------------|------------------|-----------------|----------------|---------------|
| <b>Lethbridge</b>  | Loam       | Dark Brown | May 08/07        | May 08/07       | Sept 22/07     | Oct 09/07     |
| <b>Vauxhall</b>    | Sandy Loam | Brown      | May 07/07        | May 07/07       | Sept 25/07     | Oct 10/07     |
| <b>Brooks</b>      | Silty Loam | Brown      | May 10/07        | May 10/07       | Oct 04/07      | Oct 04/07     |
| <b>Bow Island</b>  | Sandy      | Brown      | May 11/07        | May 11/07       | Oct 09/07      | Oct 12/07     |
| <b>Lacombe</b>     | Silty Loam | Dark Brown | May 14/07        | -               | Oct 4/07       | -             |
| <b>Outlook, SK</b> | Clay Loam  | Black      | May 17/07        | May 17/07       | Sept 21/07     | Oct 16/07     |



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## Crop Management Summary

| Location                           | Fertilizer Amendments   | Herbicides Used  | Irrigation Applied |
|------------------------------------|---|--|--------------------|
| <b>Lethbridge</b><br>Grain/Silage  | Available:<br>-196.11.1056.74<br><br>100 lb/ac 11-52-0  | Eradicane 8E @ 3.4 l/Ac<br>Cocktail:<br>- Accent @ 10 g/Ac<br>- Atrazine @ 300 ml/Ac<br>- Banvel II @ 120 ml/Ac<br>- Merge @ 325 lm/Ac | 14" or 356mm       |
| <b>Vauxhall</b><br>Grain/Silage    | 80 lb/Ac of N<br>40 lb/Ac of P<br>30 lb/Ac of K<br>30 lb/Ac of S  | Eradicane 8E @ 3.4 l/Ac<br>Cocktail:<br>- Accent @ 10 g/Ac<br>- Atrazine @ 300 ml/Ac<br>- Banvel II @ 120 ml/Ac<br>- Merge @ 325 lm/Ac | 15" or 381mm       |
| <b>Brooks</b><br>Grain/Silage      | 34:17:0 500 kg/ha   | Eradicane 8-E (EpTC) 5.0<br>L/ha   | 13.00" or 330mm    |
| <b>Bow Island</b><br>Grain/Silage  | 34:17:0 500 kg/ha   | Eradicane 8-E (EPTC ) 5.0<br>L/ha  | n/a                |
| <b>Lacombe</b><br>Silage           | n/a   | Laddock @ 1.5 l/Ac<br>- with Assist surfactant   | n/a                |
| <b>Outlook, SK</b><br>Grain/Silage | 150 lbs N/ac broadcast pre-<br>plant soil incorporated as Urea<br>(46-0-0)<br>60 lbs P <sub>2</sub> O <sub>5</sub> /ac side band at<br>seeding as 12-51-0 | Accent<br><br>Banvel II  | 4.71" or 106mm     |



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## 2008 Alberta Corn Committee Silage Hybrid Performance List

| Company    | Hybrid    | CHU Rating | Years | Yield (Tons/Ac Dry) | % of Pooled Mean | Whole Plant Moisture % | Average Anthesis |
|------------|-----------|------------|-------|---------------------|------------------|------------------------|------------------|
| Pioneer    | 39F45     | 2000       | 34    | 6.0                 | 82               | 60                     | 22-Jul-07        |
| Syngenta   | N05-C7    | 2200       | 16    | 7.0                 | 97               | 60                     | 27-Jul-07        |
| Pioneer    | 39B93     | 2250       | 8     | 7.0                 | 94               | 62                     | 30-Jul-07        |
| Hyland     | Baxxos RR | 2300       | 12    | 7.7                 | 105              | 63                     | 27-Jul-07        |
| Hyland     | HL B16R   | 2300       | 8     | 7.2                 | 97               | 63                     | 28-Jul-07        |
| Hyland     | HL R208   | 2250       | 12    | 7.5                 | 101              | 63                     | 26-Jul-07        |
| Croplan    | CPL 184RR | 2250       | 6     | 8.2                 | 111              | 64                     | 01-Aug-07        |
| Elite      | 46T07 RR  | 2300       | 8     | 7.4                 | 99               | 64                     | 29-Jul-07        |
| Pioneer    | 39H83     | 2450       | 16    | 7.7                 | 104              | 65                     | 30-Jul-07        |
| Maizex     | LF 755RR  | 2350       | 8     | 8.2                 | 110              | 65                     | 01-Aug-07        |
| Seeds 2000 | 2791RR    | 2250       | 8     | 8.0                 | 108              | 66                     | 01-Aug-07        |
| Hyland     | HLS007    | 2150       | 28    | 7.3                 | 98               | 66                     | 28-Jul-07        |
| Pride      | A4741HM   | 2325       | 6     | 8.1                 | 108              | 67                     | 01-Aug-07        |
| Hyland     | HLS011    | 2200       | 24    | 7.8                 | 105              | 67                     | 08-Aug-07        |
| Maizex     | LF 802    | 2450       | 12    | 8.6                 | 115              | 67                     | 05-Aug-07        |
| Syngenta   | 4043      | 2500       | 54    | 8.1                 | 110              | 69                     | 02-Aug-07        |
| Syngenta   | N24-V8    | 2600       | 8     | 8.2                 | 109              | 71                     | 08-Aug-07        |



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## 2007 Alberta Corn Committee Silage Hybrid Performance Averaged Over Locations

| Company         | Hybrid    | Locations | Yield<br>(Tonnes/Ac<br>Dry) | % of<br>Checks | Whole Plant<br>Moisture % | Anthesis  |
|-----------------|-----------|-----------|-----------------------------|----------------|---------------------------|-----------|
| Croplan         | CPL 184RR | 4         | 8.3                         | 108            | 58                        | 26-Jul-07 |
| Maizex          | EX 1271RR | 2         | 5.8                         | 77             | 58                        | 16-Jul-07 |
| Syngenta        | N05-C7    | 6         | 7.5                         | 102            | 59                        | 25-Jul-07 |
| Pioneer         | 39F45     | 6         | 5.8                         | 81             | 60                        | 18-Jul-07 |
| Pioneer         | 39F57     | 6         | 7.5                         | 103            | 60                        | 26-Jul-07 |
| Elite           | 46T07 RR  | 4         | 7.5                         | 97             | 60                        | 23-Jul-07 |
| Seeds 2000      | 2791RR    | 4         | 8.4                         | 109            | 60                        | 25-Jul-07 |
| Pioneer         | 39M26     | 6         | 7.0                         | 95             | 61                        | 23-Jul-07 |
| Pioneer         | 39T67(NP) | 2         | 7.5                         | 99             | 61                        | 21-Jul-07 |
| Elite           | Fusion RR | 4         | 8.5                         | 111            | 61                        | 24-Jul-07 |
| Seeds 2000      | 2781RR    | 4         | 7.8                         | 101            | 61                        | 27-Jul-07 |
| Pioneer         | 39D95     | 6         | 6.9                         | 95             | 61                        | 26-Jul-07 |
| Pickseed        | 2517 RR   | 2         | 7.1                         | 102            | 61                        | 29-Jul-07 |
| Maizex          | EXL 758RR | 4         | 7.0                         | 92             | 61                        | 24-Jul-07 |
| Maizex          | LF 755RR  | 4         | 8.6                         | 111            | 62                        | 26-Jul-07 |
| Hyland          | Baxxos RR | 6         | 7.6                         | 103            | 62                        | 24-Jul-07 |
| Syngenta        | N14-D8    | 6         | 7.8                         | 107            | 62                        | 28-Jul-07 |
| Pioneer         | 39B63     | 6         | 6.7                         | 91             | 62                        | 26-Jul-07 |
| Pioneer         | 39B93     | 6         | 6.6                         | 91             | 62                        | 27-Jul-07 |
| Hyland          | HL B16R   | 6         | 6.9                         | 94             | 63                        | 25-Jul-07 |
| Monsanto        | DKC35-18  | 2         | 6.2                         | 89             | 63                        | 26-Jul-07 |
| Pioneer         | 39H83     | 5         | 7.6                         | 101            | 63                        | 25-Jul-07 |
| Pickseed        | 2240 RR   | 3         | 6.6                         | 100            | 63                        | 27-Jul-07 |
| Elite           | Murano RR | 1         | 6.4                         | 116            | 63                        | 30-Jul-07 |
| Pioneer         | 39T67(P)  | 2         | 7.5                         | 96             | 63                        | 21-Jul-07 |
| Hyland          | HL R208   | 6         | 7.2                         | 100            | 63                        | 24-Jul-07 |
| Hyland          | HL2093    | 2         | 6.1                         | 94             | 64                        | 31-Jul-07 |
| Seeds 2000      | 28412RR   | 2         | 5.9                         | 89             | 64                        | 31-Jul-07 |
| Pickseed        | ExPo RR   | 2         | 6.3                         | 89             | 64                        | 29-Jul-07 |
| Pioneer         | 38N86     | 4         | 7.8                         | 101            | 64                        | 29-Jul-07 |
| Maizex          | LF 802    | 4         | 8.5                         | 109            | 64                        | 28-Jul-07 |
| Monsanto        | DKC27-44  | 6         | 7.4                         | 101            | 64                        | 24-Jul-07 |
| Pickseed        | 2501 RR   | 3         | 6.9                         | 104            | 64                        | 28-Jul-07 |
| Monsanto        | DKC31-26  | 5         | 7.7                         | 101            | 64                        | 26-Jul-07 |
| Prairie Pacific | PPX7841   | 4         | 7.3                         | 95             | 64                        | 26-Jul-07 |
| Prairie Pacific | PP2146    | 6         | 7.3                         | 99             | 64                        | 29-Jul-07 |
| Croplan         | CPL 294RR | 2         | 6.6                         | 94             | 64                        | 28-Jul-07 |
| Pioneer         | 38B13     | 4         | 8.3                         | 109            | 64                        | 29-Jul-07 |
| Syngenta        | NX1216    | 6         | 7.0                         | 95             | 64                        | 28-Jul-07 |
| Mycogen         | 2J086     | 3         | 7.8                         | 93             | 65                        | 25-Jul-07 |
| Pioneer         | 39K19     | 5         | 7.5                         | 98             | 65                        | 26-Jul-07 |
| Monsanto        | DKC33-72  | 5         | 7.5                         | 100            | 65                        | 29-Jul-07 |
| Monsanto        | DKC38-32  | 2         | 7.1                         | 103            | 65                        | 28-Jul-07 |



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*2007 Alberta Corn Committee Silage Hybrid Performance Averaged Over Locations Cont*

| <b>Company</b>  | <b>Hybrid</b> | <b>Locations</b> | <b>Yield (Tonnes/Ac Dry)</b> | <b>% of Checks</b> | <b>Whole Plant Moisture %</b> | <b>Anthesis</b> |
|-----------------|---------------|------------------|------------------------------|--------------------|-------------------------------|-----------------|
| Pickseed        | 23729 BtRR    | 3                | 5.9                          | 90                 | 66                            | 27-Jul-07       |
| Pride           | A4175Bt       | 4                | 7.7                          | 103                | 66                            | 26-Jul-07       |
| Pioneer         | 38B11         | 4                | 7.9                          | 102                | 66                            | 29-Jul-07       |
| Monsanto        | DKC26-78      | 2                | 6.3                          | 97                 | 66                            | 27-Jul-07       |
| Pioneer         | 39B77         | 5                | 7.4                          | 98                 | 66                            | 27-Jul-07       |
| Syngenta        | NX0936        | 6                | 6.5                          | 90                 | 66                            | 28-Jul-07       |
| Hyland          | HLS007        | 6                | 6.3                          | 86                 | 66                            | 25-Jul-07       |
| Seeds 2000      | 2811RR        | 3                | 7.5                          | 97                 | 66                            | 26-Jul-07       |
| Elite           | 39C27 RR      | 5                | 7.2                          | 102                | 67                            | 30-Jul-07       |
| Hyland          | HL SR06       | 6                | 6.3                          | 87                 | 67                            | 25-Jul-07       |
| Hyland          | HLS011        | 6                | 7.8                          | 105                | 67                            | 01-Aug-07       |
| Maizex          | MZ 18-64RR    | 3                | 7.6                          | 97                 | 67                            | 28-Jul-07       |
| Syngenta        | 4043          | 6                | 7.8                          | 107                | 68                            | 28-Jul-07       |
| Pride           | A4741HM       | 4                | 7.5                          | 98                 | 68                            | 29-Jul-07       |
| Prairie Pacific | PP3920        | 4                | 7.8                          | 101                | 68                            | 30-Jul-07       |
| Syngenta        | N24-V8        | 6                | 7.8                          | 106                | 69                            | 03-Aug-07       |
| Maizex          | MZ 22-70R     | 2                | 7.3                          | 98                 | 69                            | 26-Jul-07       |
| Mycogen         | TMF 2N050     | 3                | 7.1                          | 103                | 70                            | 02-Aug-07       |
| Prairie Pacific | PPX7881       | 1                | 7.3                          | 91                 | 70                            | 31-Jul-07       |
| Prairie Pacific | PPX075        | 1                | 5.4                          | 89                 | 75                            | 07-Aug-07       |
| Pickseed        | 2230 RR       | 1                | 5.4                          | 88                 | 75                            | 07-Aug-07       |



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## 2007 Alberta Corn Committee - Lacombe Multi-Year Silage Data

| Company         | Hybrid     | Years | Yield<br>(Tons/Ac<br>Dry) | % of Pooled<br>Mean | Whole Plant<br>Moisture % | Average<br>Anthesis |
|-----------------|------------|-------|---------------------------|---------------------|---------------------------|---------------------|
| Pioneer         | 39F57      | 1     | 5.1                       | 101                 | 73                        | 04-Aug-07           |
| Pioneer         | 39F45      | 4     | 4.6                       | 92                  | 73                        | 01-Aug-07           |
| Hyland          | HL2093     | 3     | 4.5                       | 91                  | 74                        | 08-Aug-07           |
| Pioneer         | 39B93      | 2     | 4.9                       | 97                  | 74                        | 10-Aug-07           |
| Monsanto        | DKC26-78   | 4     | 5.1                       | 103                 | 74                        | 04-Aug-07           |
| Pioneer         | 39D95      | 1     | 4.9                       | 97                  | 75                        | 09-Aug-07           |
| Hyland          | Baxxos RR  | 2     | 5.4                       | 108                 | 75                        | 09-Aug-07           |
| Syngenta        | N05-C7     | 4     | 4.7                       | 93                  | 76                        | 08-Aug-07           |
| Pioneer         | 39M26      | 1     | 4.8                       | 95                  | 76                        | 07-Aug-07           |
| Hyland          | HL R208    | 2     | 4.7                       | 95                  | 76                        | 06-Aug-07           |
| Pickseed        | 23729 BtRR | 1     | 4.0                       | 81                  | 76                        | 10-Aug-07           |
| Pride           | A4175Bt    | 1     | 5.0                       | 99                  | 76                        | 06-Aug-07           |
| Monsanto        | DKC27-44   | 1     | 6.0                       | 119                 | 76                        | 06-Aug-07           |
| Hyland          | HL B16R    | 2     | 4.7                       | 94                  | 76                        | 07-Aug-07           |
| Pickseed        | 2240 RR    | 1     | 5.0                       | 100                 | 76                        | 07-Aug-07           |
| Pioneer         | 39B63      | 1     | 4.9                       | 97                  | 77                        | 09-Aug-07           |
| Hyland          | HLS011     | 3     | 5.4                       | 108                 | 77                        | 17-Aug-07           |
| Pickseed        | 2501 RR    | 1     | 5.3                       | 106                 | 78                        | 07-Aug-07           |
| Pride           | A4741HM    | 3     | 4.6                       | 93                  | 78                        | 08-Aug-07           |
| Syngenta        | N24-V8     | 2     | 5.7                       | 114                 | 78                        | 14-Aug-07           |
| Hyland          | HL SR06    | 1     | 4.7                       | 93                  | 78                        | 08-Aug-07           |
| Prairie Pacific | PP2146     | 1     | 4.0                       | 81                  | 78                        | 12-Aug-07           |
| Elite           | 39C27 RR   | 1     | 5.5                       | 110                 | 78                        | 11-Aug-07           |
| Hyland          | HLS007     | 3     | 4.4                       | 87                  | 78                        | 09-Aug-07           |
| Prairie Pacific | PPX075     | 1     | 4.5                       | 89                  | 79                        | 11-Aug-07           |
| Pickseed        | 2230 RR    | 1     | 4.4                       | 88                  | 79                        | 11-Aug-07           |
| Syngenta        | N14-D8     | 1     | 5.3                       | 105                 | 79                        | 10-Aug-07           |
| Syngenta        | 4043       | 4     | 5.5                       | 108                 | 79                        | 13-Aug-07           |
| Syngenta        | NX0936     | 1     | 4.8                       | 96                  | 80                        | 12-Aug-07           |
| Syngenta        | NX1216     | 1     | 4.6                       | 92                  | 81                        | 10-Aug-07           |



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## 2007 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 |
|-----------------|-----------|-------|---------------------|------------------|------------------------|------------------|
| Monsanto        | DKC27-44  | 1     | 6.8                 | 104              | 68                     | 29-Jul-07        |
| Pioneer         | 39F45     | 5     | 5.8                 | 92               | 58                     | 28-Jul-07        |
| Hyland          | HL2093    | 2     | 6.4                 | 99               | 61                     | 30-Jul-07        |
| Pioneer         | 39F57     | 1     | 7.2                 | 110              | 63                     | 03-Aug-07        |
| Monsanto        | DKC26-78  | 4     | 6.1                 | 93               | 65                     | 03-Aug-07        |
| Pioneer         | 39D95     | 1     | 6.4                 | 99               | 65                     | 02-Aug-07        |
| Pioneer         | 39M26     | 1     | 7.4                 | 115              | 66                     | 27-Jul-07        |
| Pride           | A4175Bt   | 1     | 7.9                 | 121              | 66                     | 02-Aug-07        |
| Pioneer         | 39B93     | 2     | 7.2                 | 110              | 66                     | 03-Aug-07        |
| Syngenta        | N05-C7    | 4     | 6.4                 | 98               | 66                     | 31-Jul-07        |
| Pioneer         | 39B63     | 1     | 5.7                 | 88               | 67                     | 01-Aug-07        |
| Hyland          | Baxxos RR | 2     | 6.7                 | 103              | 67                     | 30-Jul-07        |
| Elite           | 46T07 RR  | 3     | 6.3                 | 98               | 67                     | 31-Jul-07        |
| Hyland          | HL B16R   | 2     | 5.9                 | 88               | 68                     | 31-Jul-07        |
| Prairie Pacific | PP2146    | 1     | 7.0                 | 108              | 68                     | 04-Aug-07        |
| Elite           | Fusion RR | 1     | 7.2                 | 112              | 69                     | 01-Aug-07        |
| Hyland          | HL R208   | 2     | 6.0                 | 93               | 69                     | 31-Jul-07        |
| Pioneer         | 39K19     | 1     | 6.8                 | 104              | 69                     | 03-Aug-07        |
| Pioneer         | 39H83     | 4     | 7.0                 | 108              | 70                     | 31-Jul-07        |
| Pride           | A4741HM   | 3     | 6.4                 | 98               | 70                     | 02-Aug-07        |
| Syngenta        | N14-D8    | 1     | 7.3                 | 112              | 70                     | 03-Aug-07        |
| Monsanto        | DKC31-26  | 1     | 6.7                 | 103              | 70                     | 03-Aug-07        |
| Monsanto        | DKC33-72  | 1     | 7.1                 | 110              | 70                     | 04-Aug-07        |
| Hyland          | HLS007    | 5     | 6.0                 | 93               | 71                     | 31-Jul-07        |
| Hyland          | HLS011    | 4     | 7.1                 | 109              | 72                     | 09-Aug-07        |
| Hyland          | HL SR06   | 1     | 5.4                 | 83               | 72                     | 01-Aug-07        |
| Syngenta        | NX0936    | 1     | 5.5                 | 85               | 73                     | 04-Aug-07        |
| Syngenta        | NX1216    | 1     | 6.1                 | 95               | 73                     | 03-Aug-07        |
| Pioneer         | 39B77     | 1     | 7.0                 | 108              | 73                     | 04-Aug-07        |
| Elite           | 39C27 RR  | 1     | 6.7                 | 102              | 74                     | 06-Aug-07        |
| Syngenta        | 4043      | 5     | 7.0                 | 106              | 74                     | 06-Aug-07        |
| Syngenta        | N24-V8    | 2     | 7.1                 | 110              | 75                     | 15-Aug-07        |
| Mycogen         | TMF 2N050 | 1     | 6.6                 | 102              | 78                     | 14-Aug-07        |



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## 2007 Lethbridge Silage Trial

| Company         | Hybrid     | Anthesis  | Silking   | Dry Yield (t/ha) | Whole Plant Moisture % |
|-----------------|------------|-----------|-----------|------------------|------------------------|
| Syngenta        | N05-C7     | 20-Jul-07 | 22-Jul-07 | 24.8             | 55.9                   |
| Pioneer         | 39F45      | 16-Jul-07 | 18-Jul-07 | 14.4             | 58.0                   |
| Maizex          | EX 1271RR  | 16-Jul-07 | 18-Jul-07 | 16.7             | 58.6                   |
| Pioneer         | 39M26      | 20-Jul-07 | 22-Jul-07 | 18.7             | 58.8                   |
| Syngenta        | NX1216     | 24-Jul-07 | 28-Jul-07 | 22.6             | 59.0                   |
| Pioneer         | 39D95      | 24-Jul-07 | 26-Jul-07 | 20.2             | 59.3                   |
| Pioneer         | 39F57      | 24-Jul-07 | 25-Jul-07 | 22.4             | 60.1                   |
| Hyland          | Baxxos RR  | 20-Jul-07 | 23-Jul-07 | 22.0             | 60.8                   |
| Elite           | 46T07 RR   | 22-Jul-07 | 24-Jul-07 | 24.1             | 61.5                   |
| Hyland          | HL R208    | 21-Jul-07 | 23-Jul-07 | 19.0             | 61.8                   |
| Pioneer         | 39B93      | 24-Jul-07 | 26-Jul-07 | 13.4             | 61.8                   |
| Pioneer         | 39B63      | 24-Jul-07 | 25-Jul-07 | 19.7             | 61.9                   |
| Pioneer         | 39T67 NP   | 22-Jul-07 | 24-Jul-07 | 21.2             | 61.9                   |
| Monsanto        | DKC31-26   | 24-Jul-07 | 27-Jul-07 | 23.0             | 62.0                   |
| Croplan         | CPL 184RR  | 24-Jul-07 | 26-Jul-07 | 21.5             | 62.3                   |
| Pride           | A4741HM    | 25-Jul-07 | 24-Jul-07 | 22.7             | 62.4                   |
| Hyland          | HL B16R    | 21-Jul-07 | 23-Jul-07 | 21.3             | 62.6                   |
| Elite           | Fusion RR  | 24-Jul-07 | 25-Jul-07 | 24.6             | 62.7                   |
| Prairie Pacific | PP2146     | 26-Jul-07 | 26-Jul-07 | 20.0             | 62.8                   |
| Maizex          | EXL 758RR  | 24-Jul-07 | 26-Jul-07 | 17.4             | 63.1                   |
| Pioneer         | 39H83      | 24-Jul-07 | 26-Jul-07 | 22.1             | 63.1                   |
| Pioneer         | 39T67 P    | 21-Jul-07 | 24-Jul-07 | 22.9             | 63.1                   |
| Seeds 2000      | 2791RR     | 24-Jul-07 | 26-Jul-07 | 24.0             | 63.3                   |
| Pride           | A4175Bt    | 23-Jul-07 | 25-Jul-07 | 20.5             | 63.6                   |
| Maizex          | LF 755RR   | 26-Jul-07 | 26-Jul-07 | 25.1             | 63.6                   |
| Syngenta        | N14-D8     | 25-Jul-07 | 27-Jul-07 | 23.3             | 63.6                   |
| Monsanto        | DKC27-44   | 21-Jul-07 | 24-Jul-07 | 20.7             | 63.7                   |
| Hyland          | HL SR06    | 21-Jul-07 | 25-Jul-07 | 15.8             | 64.0                   |
| Hyland          | HL S007    | 21-Jul-07 | 24-Jul-07 | 18.6             | 64.1                   |
| Pioneer         | 39K19      | 25-Jul-07 | 27-Jul-07 | 21.9             | 64.4                   |
| Seeds 2000      | 2781RR     | 27-Jul-07 | 27-Jul-07 | 19.4             | 64.8                   |
| Pioneer         | 38N86      | 28-Jul-07 | 28-Jul-07 | 21.6             | 65.2                   |
| Syngenta        | NX0936     | 25-Jul-07 | 28-Jul-07 | 19.1             | 65.3                   |
| Mycogen         | 2J086      | 23-Jul-07 | 25-Jul-07 | 19.5             | 65.4                   |
| Maizex          | LF 802     | 29-Jul-07 | 30-Jul-07 | 22.1             | 65.8                   |
| Prairie Pacific | PPX7841    | 27-Jul-07 | 29-Jul-07 | 19.4             | 66.0                   |
| Hyland          | HL S011    | 30-Jul-07 | 31-Jul-07 | 23.1             | 66.2                   |
| Elite           | 39C27 RR   | 27-Jul-07 | 29-Jul-07 | 18.2             | 66.5                   |
| Syngenta        | G4043      | 26-Jul-07 | 27-Jul-07 | 22.2             | 66.9                   |
| Pioneer         | 39B77      | 26-Jul-07 | 29-Jul-07 | 18.6             | 67.0                   |
| Seeds 2000      | 2811RR     | 25-Jul-07 | 28-Jul-07 | 20.1             | 67.5                   |
| Monsanto        | DKC33-72   | 29-Jul-07 | 30-Jul-07 | 18.5             | 67.8                   |
| Maizex          | MZ 22-70RR | 28-Jul-07 | 30-Jul-07 | 20.0             | 67.9                   |
| Pioneer         | 38B11      | 29-Jul-07 | 31-Jul-07 | 19.6             | 67.9                   |
| Pioneer         | 38B13      | 29-Jul-07 | 31-Jul-07 | 19.4             | 68.1                   |
| Maizex          | MZ 18-64RR | 28-Jul-07 | 30-Jul-07 | 20.6             | 69.5                   |
| Syngenta        | N24-V8     | 31-Jul-07 | 31-Jul-07 | 22.0             | 69.7                   |
| Prairie Pacific | PP3920     | 31-Jul-07 | 01-Aug-07 | 23.3             | 70.8                   |



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## 2007 Vauxhall Silage Trial

| Company         | Hybrid     | Anthesis  | Silking   | Dry Yield (t/ha) | Whole Plant Moisture % |
|-----------------|------------|-----------|-----------|------------------|------------------------|
| Pioneer         | 39F45      | 16-Jul-07 | 19-Jul-07 | 11.8             | 45.9                   |
| Pioneer         | 39F57      | 22-Jul-07 | 25-Jul-07 | 12.7             | 48.8                   |
| Pioneer         | 39M26      | 20-Jul-07 | 24-Jul-07 | 10.2             | 51.9                   |
| Syngenta        | N14-D8     | 24-Jul-07 | 26-Jul-07 | 13.3             | 51.9                   |
| Syngenta        | N05-C7     | 22-Jul-07 | 24-Jul-07 | 13.1             | 52.4                   |
| Hyland          | HL R208    | 18-Jul-07 | 20-Jul-07 | 15.7             | 54.1                   |
| Hyland          | Baxxos RR  | 20-Jul-07 | 25-Jul-07 | 13.4             | 54.4                   |
| Maizex          | EXL 758RR  | 21-Jul-07 | 25-Jul-07 | 12.0             | 54.9                   |
| Croplan         | CPL 184RR  | 27-Jul-07 | 29-Jul-07 | 13.8             | 55.3                   |
| Hyland          | HL B16R    | 20-Jul-07 | 24-Jul-07 | 10.6             | 55.4                   |
| Syngenta        | NX1216     | 24-Jul-07 | 27-Jul-07 | 12.5             | 55.6                   |
| Seeds 2000      | 2791RR     | 23-Jul-07 | 25-Jul-07 | 15.7             | 56.3                   |
| Elite           | 46T07 RR   | 21-Jul-07 | 25-Jul-07 | 11.0             | 56.5                   |
| Pioneer         | 39D95      | 22-Jul-07 | 25-Jul-07 | 11.3             | 56.5                   |
| Elite           | Fusion RR  | 23-Jul-07 | 25-Jul-07 | 12.6             | 56.6                   |
| Syngenta        | NX0936     | 24-Jul-07 | 27-Jul-07 | 13.0             | 56.9                   |
| Pioneer         | 39B63      | 22-Jul-07 | 25-Jul-07 | 10.4             | 57.1                   |
| Maizex          | EX 1271RR  | 16-Jul-07 | 18-Jul-07 | 9.5              | 57.6                   |
| Pioneer         | 39B93      | 22-Jul-07 | 25-Jul-07 | 12.0             | 58.4                   |
| Pickseed        | 2240 RR    | 21-Jul-07 | 24-Jul-07 | 12.0             | 58.7                   |
| Pioneer         | 39T67 NP   | 20-Jul-07 | 24-Jul-07 | 12.4             | 59.4                   |
| Pioneer         | 38B13      | 31-Jul-07 | 02-Aug-07 | 13.8             | 59.7                   |
| Elite           | 39C27 RR   | 26-Jul-07 | 28-Jul-07 | 14.5             | 60.3                   |
| Pickseed        | 2501 RR    | 25-Jul-07 | 27-Jul-07 | 11.5             | 60.5                   |
| Seeds 2000      | 2781RR     | 27-Jul-07 | 26-Jul-07 | 11.8             | 60.6                   |
| Pioneer         | 39B77      | 25-Jul-07 | 28-Jul-07 | 11.7             | 60.6                   |
| Pioneer         | 38N86      | 28-Jul-07 | 30-Jul-07 | 12.3             | 60.7                   |
| Maizex          | LF 755RR   | 23-Jul-07 | 25-Jul-07 | 14.0             | 61.1                   |
| Syngenta        | G4043      | 24-Jul-07 | 27-Jul-07 | 13.9             | 61.2                   |
| Hyland          | HL S007    | 22-Jul-07 | 26-Jul-07 | 9.6              | 61.6                   |
| Seeds 2000      | 28412RR    | 29-Jul-07 | 01-Aug-07 | 12.6             | 61.7                   |
| Pioneer         | 39H83      | 24-Jul-07 | 27-Jul-07 | 11.7             | 62.3                   |
| Monsanto        | DKC33-72   | 28-Jul-07 | 30-Jul-07 | 12.2             | 62.4                   |
| Monsanto        | DKC27-44   | 20-Jul-07 | 23-Jul-07 | 10.8             | 62.5                   |
| Pickseed        | 23729 BtRR | 20-Jul-07 | 23-Jul-07 | 12.0             | 62.5                   |
| Prairie Pacific | PP2146     | 24-Jul-07 | 26-Jul-07 | 12.3             | 62.8                   |
| Elite           | Murano RR  | 30-Jul-07 | 01-Aug-07 | 14.4             | 63.2                   |
| Pickseed        | 2517 RR    | 28-Jul-07 | 30-Jul-07 | 12.2             | 63.3                   |
| Pioneer         | 39T67 P    | 21-Jul-07 | 25-Jul-07 | 10.6             | 63.6                   |
| Seeds 2000      | 2811RR     | 25-Jul-07 | 28-Jul-07 | 12.5             | 63.8                   |
| Hyland          | HL SR06    | 21-Jul-07 | 24-Jul-07 | 10.8             | 64.5                   |
| Monsanto        | DKC31-26   | 25-Jul-07 | 29-Jul-07 | 11.2             | 64.5                   |
| Pioneer         | 38B11      | 29-Jul-07 | 31-Jul-07 | 11.5             | 64.6                   |
| Prairie Pacific | PPX7841    | 23-Jul-07 | 26-Jul-07 | 11.7             | 64.7                   |
| Maizex          | LF 802     | 27-Jul-07 | 27-Jul-07 | 12.5             | 65.0                   |
| Pickseed        | ExPo RR    | 30-Jul-07 | 01-Aug-07 | 8.9              | 65.9                   |



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## **2007 Vauxhall Silage Trial – Cont'd**

| <b>Company</b>  | <b>Hybrid</b> | <b>Anthesis</b> | <b>Silking</b> | <b>Dry Yield (t/ha)</b> | <b>Whole Plant Moisture %</b> |
|-----------------|---------------|-----------------|----------------|-------------------------|-------------------------------|
| Pioneer         | 39K19         | 24-Jul-07       | 27-Jul-07      | 10.7                    | 65.9                          |
| Monsanto        | DKC38-32      | 27-Jul-07       | 29-Jul-07      | 12.0                    | 66.4                          |
| Monsanto        | DKC35-18      | 25-Jul-07       | 27-Jul-07      | 9.9                     | 67.1                          |
| Prairie Pacific | PP3920        | 30-Jul-07       | 01-Aug-07      | 12.5                    | 67.2                          |
| Mycogen         | TMF 2N050     | 30-Jul-07       | 01-Aug-07      | 12.1                    | 67.9                          |
| Croplan         | CPL 294RR     | 30-Jul-07       | 01-Aug-07      | 10.3                    | 67.9                          |
| Hyland          | HL S011       | 26-Jul-07       | 29-Jul-07      | 9.3                     | 68.6                          |
| Syngenta        | N24-V8        | 30-Jul-07       | 01-Aug-07      | 11.8                    | 69.3                          |
| Maizex          | MZ 22-70RR    | 25-Jul-07       | 28-Jul-07      | 12.8                    | 71.0                          |
| Maizex          | MZ 18-64RR    | 28-Jul-07       | 30-Jul-07      | 9.8                     | 71.1                          |



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## 2007 Brooks Silage Trial

| Company         | Hybrid    | Anthesis  | Silking   | Dry Yield (t/ha) | Whole Plant Moisture % |
|-----------------|-----------|-----------|-----------|------------------|------------------------|
| Syngenta        | N05-C7    | 22-Jul-07 | 25-Jul-07 | 16.3             | 57.3                   |
| Pioneer         | 39B93     | 24-Jul-07 | 27-Jul-07 | 16.8             | 58.7                   |
| Syngenta        | N14-D8    | 26-Jul-07 | 29-Jul-07 | 16.8             | 59.1                   |
| Seeds 2000      | 2781RR    | 29-Jul-07 | 29-Jul-07 | 19.5             | 59.3                   |
| Pioneer         | 39D95     | 23-Jul-07 | 27-Jul-07 | 15.2             | 60.1                   |
| Hyland          | HL S007   | 22-Jul-07 | 26-Jul-07 | 17.1             | 60.2                   |
| Croplan         | CPL 184RR | 27-Jul-07 | 28-Jul-07 | 18.2             | 60.4                   |
| Pioneer         | 39B63     | 25-Jul-07 | 28-Jul-07 | 15.7             | 60.7                   |
| Pioneer         | 39F57     | 24-Jul-07 | 28-Jul-07 | 16.8             | 60.7                   |
| Seeds 2000      | 2791RR    | 28-Jul-07 | 30-Jul-07 | 18.2             | 61.1                   |
| Pioneer         | 39K19     | 25-Jul-07 | 29-Jul-07 | 18.0             | 61.6                   |
| Prairie Pacific | PPX7841   | 28-Jul-07 | 30-Jul-07 | 16.8             | 61.8                   |
| Pioneer         | 39M26     | 21-Jul-07 | 25-Jul-07 | 15.6             | 61.9                   |
| Maizex          | LF 755RR  | 29-Jul-07 | 30-Jul-07 | 18.9             | 62.3                   |
| Pride           | A4175Bt   | 23-Jul-07 | 29-Jul-07 | 16.6             | 62.4                   |
| Hyland          | HL S011   | 01-Aug-07 | 31-Jul-07 | 20.0             | 62.6                   |
| Hyland          | HL B16R   | 22-Jul-07 | 26-Jul-07 | 15.2             | 62.9                   |
| Pioneer         | 39H83     | 24-Jul-07 | 27-Jul-07 | 17.3             | 63.4                   |
| Maizex          | EXL 758RR | 25-Jul-07 | 29-Jul-07 | 16.8             | 63.4                   |
| Syngenta        | NX0936    | 26-Jul-07 | 29-Jul-07 | 14.4             | 63.5                   |
| Prairie Pacific | PP2146    | 28-Jul-07 | 30-Jul-07 | 17.0             | 63.9                   |
| Pioneer         | 39F45     | 13-Jul-07 | 21-Jul-07 | 12.8             | 64.0                   |
| Monsanto        | DKC27-44  | 22-Jul-07 | 26-Jul-07 | 16.3             | 64.2                   |
| Pioneer         | 38N86     | 30-Jul-07 | 31-Jul-07 | 17.2             | 64.5                   |
| Monsanto        | DKC33-72  | 29-Jul-07 | 30-Jul-07 | 18.3             | 64.5                   |
| Hyland          | Baxxos RR | 22-Jul-07 | 26-Jul-07 | 15.4             | 64.6                   |
| Hyland          | HL SR06   | 22-Jul-07 | 26-Jul-07 | 15.8             | 64.7                   |
| Syngenta        | NX1216    | 25-Jul-07 | 28-Jul-07 | 14.5             | 65.4                   |
| Syngenta        | N24-V8    | 29-Jul-07 | 31-Jul-07 | 19.0             | 65.4                   |
| Monsanto        | DKC31-26  | 27-Jul-07 | 29-Jul-07 | 17.6             | 65.5                   |
| Syngenta        | G4043     | 26-Jul-07 | 29-Jul-07 | 17.8             | 65.7                   |
| Pioneer         | 38B11     | 30-Jul-07 | 30-Jul-07 | 18.5             | 65.7                   |
| Mycogen         | 2J086     | 24-Jul-07 | 28-Jul-07 | 15.9             | 65.8                   |
| Hyland          | HL R208   | 22-Jul-07 | 26-Jul-07 | 15.9             | 66.0                   |
| Pioneer         | 38B13     | 30-Jul-07 | 30-Jul-07 | 20.6             | 66.3                   |
| Maizex          | LF 802    | 30-Jul-07 | 30-Jul-07 | 19.2             | 66.6                   |
| Pride           | A4741HM   | 26-Jul-07 | 27-Jul-07 | 17.2             | 66.7                   |
| Pioneer         | 39B77     | 26-Jul-07 | 29-Jul-07 | 16.5             | 68.4                   |
| Prairie Pacific | PP3920    | 31-Jul-07 | 01-Aug-07 | 16.8             | 70.7                   |



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## 2007 Bow Island Silage Trial

| Company         | Hybrid     | Anthesis  | Silking   | Dry Yield (t/ha) | Whole Plant Moisture % |
|-----------------|------------|-----------|-----------|------------------|------------------------|
| Syngenta        | N14-D8     | 27-Jul-07 | 25-Jul-07 | 20.1             | 53.2                   |
| Pioneer         | 39B63      | 26-Jul-07 | 23-Jul-07 | 17.7             | 53.7                   |
| Croplan         | CPL 184RR  | 27-Jul-07 | 27-Jul-07 | 20.6             | 53.8                   |
| Syngenta        | N05-C7     | 25-Jul-07 | 22-Jul-07 | 18.1             | 54.5                   |
| Prairie Pacific | PP2146     | 27-Jul-07 | 27-Jul-07 | 20.9             | 54.6                   |
| Pioneer         | 39M26      | 24-Jul-07 | 20-Jul-07 | 18.7             | 55.5                   |
| Hyland          | Baxxos RR  | 25-Jul-07 | 21-Jul-07 | 19.9             | 55.5                   |
| Pioneer         | 39D95      | 27-Jul-07 | 23-Jul-07 | 18.0             | 56.1                   |
| Elite           | Fusion RR  | 25-Jul-07 | 25-Jul-07 | 21.3             | 56.9                   |
| Monsanto        | DKC27-44   | 25-Jul-07 | 22-Jul-07 | 19.2             | 56.9                   |
| Pickseed        | 2501 RR    | 27-Jul-07 | 27-Jul-07 | 20.7             | 57.0                   |
| Elite           | 46T07 RR   | 25-Jul-07 | 21-Jul-07 | 18.5             | 57.4                   |
| Maizex          | LF 802     | 29-Jul-07 | 31-Jul-07 | 22.1             | 57.9                   |
| Pickseed        | 2240 RR    | 26-Jul-07 | 23-Jul-07 | 18.9             | 58.1                   |
| Seeds 2000      | 2781RR     | 27-Jul-07 | 27-Jul-07 | 19.0             | 58.4                   |
| Monsanto        | DKC35-18   | 28-Jul-07 | 27-Jul-07 | 17.7             | 58.5                   |
| Hyland          | HL B16R    | 25-Jul-07 | 22-Jul-07 | 16.8             | 58.7                   |
| Pioneer         | 39F57      | 28-Jul-07 | 25-Jul-07 | 18.4             | 58.8                   |
| Syngenta        | NX1216     | 29-Jul-07 | 25-Jul-07 | 17.1             | 58.8                   |
| Monsanto        | DKC31-26   | 29-Jul-07 | 27-Jul-07 | 18.8             | 59.2                   |
| Pioneer         | 39B93      | 27-Jul-07 | 25-Jul-07 | 15.8             | 59.2                   |
| Pickseed        | 2517 RR    | 30-Jul-07 | 29-Jul-07 | 19.4             | 59.3                   |
| Pioneer         | 39H83      | 27-Jul-07 | 23-Jul-07 | 17.0             | 59.3                   |
| Maizex          | LF 755RR   | 27-Jul-07 | 27-Jul-07 | 18.9             | 59.7                   |
| Hyland          | HL S011    | 30-Jul-07 | 31-Jul-07 | 18.9             | 59.9                   |
| Croplan         | CPL 294RR  | 27-Jul-07 | 27-Jul-07 | 19.2             | 60.0                   |
| Hyland          | HL R208    | 25-Jul-07 | 21-Jul-07 | 19.5             | 60.2                   |
| Maizex          | MZ 18-64RR | 29-Jul-07 | 29-Jul-07 | 20.8             | 60.4                   |
| Monsanto        | DKC33-72   | 30-Jul-07 | 29-Jul-07 | 17.9             | 60.4                   |
| Elite           | 39C27 RR   | 30-Jul-07 | 28-Jul-07 | 17.5             | 60.5                   |
| Seeds 2000      | 2791RR     | 27-Jul-07 | 27-Jul-07 | 17.0             | 60.6                   |
| Pickseed        | ExPo RR    | 29-Jul-07 | 31-Jul-07 | 19.4             | 61.5                   |
| Pickseed        | 23729 BtRR | 25-Jul-07 | 20-Jul-07 | 16.7             | 61.7                   |
| Pioneer         | 39B77      | 29-Jul-07 | 26-Jul-07 | 19.3             | 62.0                   |
| Pioneer         | 39F45      | 18-Jul-07 | 11-Jul-07 | 13.2             | 62.3                   |
| Hyland          | HL SR06    | 26-Jul-07 | 21-Jul-07 | 17.2             | 62.4                   |
| Mycogen         | 2J086      | 29-Jul-07 | 28-Jul-07 | 17.3             | 62.4                   |
| Pioneer         | 38B13      | 29-Jul-07 | 29-Jul-07 | 21.0             | 63.1                   |
| Prairie Pacific | PPX7841    | 29-Jul-07 | 27-Jul-07 | 17.8             | 63.5                   |
| Syngenta        | NX0936     | 29-Jul-07 | 26-Jul-07 | 14.7             | 63.6                   |
| Hyland          | HL S007    | 25-Jul-07 | 20-Jul-07 | 16.5             | 64.1                   |
| Monsanto        | DKC38-32   | 29-Jul-07 | 28-Jul-07 | 20.0             | 64.2                   |
| Pioneer         | 39K19      | 28-Jul-07 | 27-Jul-07 | 17.0             | 64.2                   |
| Pioneer         | 38B11      | 29-Jul-07 | 29-Jul-07 | 21.1             | 64.4                   |
| Maizex          | EXL 758RR  | 27-Jul-07 | 24-Jul-07 | 16.8             | 64.4                   |
| Syngenta        | N24-V8     | 04-Aug-07 | 03-Aug-07 | 19.3             | 64.7                   |
| Pioneer         | 38N86      | 30-Jul-07 | 29-Jul-07 | 18.7             | 64.8                   |



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## 2007 Bow Island Silage Trial – cont'd

| <b>Company</b>  | <b>Hybrid</b> | <b>Anthesis</b> | <b>Silking</b> | <b>Dry Yield (t/ha)</b> | <b>Whole Plant Moisture %</b> |
|-----------------|---------------|-----------------|----------------|-------------------------|-------------------------------|
| Prairie Pacific | PP3920        | 31-Jul-07       | 31-Jul-07      | 17.4                    | 65.0                          |
| Syngenta        | G4043         | 28-Jul-07       | 25-Jul-07      | 18.8                    | 65.1                          |
| Mycogen         | TMF 2N050     | 31-Jul-07       | 02-Aug-07      | 19.8                    | 65.3                          |
| Seeds 2000      | 28412RR       | 02-Aug-07       | 30-Jul-07      | 13.9                    | 65.7                          |
| Seeds 2000      | 2811RR        | 29-Jul-07       | 25-Jul-07      | 17.5                    | 67.1                          |
| Prairie Pacific | PPX7881       | 31-Jul-07       | 31-Jul-07      | 16.4                    | 69.7                          |



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## 2007 Outlook Silage Trial

| Company         | Hybrid    | Anthesis  | Silking   | Dry Yield (t/ha) | Whole Plant Moisture % |
|-----------------|-----------|-----------|-----------|------------------|------------------------|
| Hyland          | HL 2093   | 24-Jul-07 | 28-Jul-07 | 15.1             | 58.2                   |
| Pioneer         | 39F45     | 20-Jul-07 | 24-Jul-07 | 13.2             | 58.4                   |
| Monsanto        | DKC26-78  | 23-Jul-07 | 27-Jul-07 | 15.0             | 61.7                   |
| Pioneer         | 39B93     | 28-Jul-07 | 01-Aug-07 | 17.8             | 61.7                   |
| Pioneer         | 39F57     | 29-Jul-07 | 01-Aug-07 | 17.1             | 61.7                   |
| Pioneer         | 39D95     | 28-Jul-07 | 31-Jul-07 | 15.4             | 63.4                   |
| Hyland          | Baxxos RR | 24-Jul-07 | 28-Jul-07 | 16.7             | 63.7                   |
| Pioneer         | 39M26     | 22-Jul-07 | 27-Jul-07 | 17.8             | 63.8                   |
| Pride           | A4175Bt   | 28-Jul-07 | 30-Jul-07 | 18.8             | 64.1                   |
| Syngenta        | N05-C7    | 28-Jul-07 | 01-Aug-07 | 15.2             | 64.4                   |
| Pioneer         | 39B63     | 27-Jul-07 | 30-Jul-07 | 13.6             | 64.9                   |
| Hyland          | HL B16R   | 25-Jul-07 | 30-Jul-07 | 15.6             | 65.4                   |
| Elite           | 46T07 RR  | 27-Jul-07 | 31-Jul-07 | 13.3             | 65.5                   |
| Hyland          | HL R208   | 25-Jul-07 | 29-Jul-07 | 13.8             | 66.1                   |
| Prairie Pacific | PP2146    | 30-Jul-07 | 02-Aug-07 | 16.8             | 66.5                   |
| Monsanto        | DKC27-44  | 24-Jul-07 | 29-Jul-07 | 16.1             | 66.7                   |
| Elite           | Fusion RR | 27-Jul-07 | 31-Jul-07 | 17.3             | 66.8                   |
| Pioneer         | 39H83     | 28-Jul-07 | 01-Aug-07 | 17.3             | 67.3                   |
| Pioneer         | 39K19     | 29-Jul-07 | 02-Aug-07 | 16.2             | 67.6                   |
| Syngenta        | N14-D8    | 29-Jul-07 | 02-Aug-07 | 17.4             | 68.3                   |
| Monsanto        | DKC31-26  | 29-Jul-07 | 01-Aug-07 | 16.0             | 68.6                   |
| Monsanto        | DKC33-72  | 30-Jul-07 | 04-Aug-07 | 17.0             | 68.6                   |
| Pride           | A4741HM   | 29-Jul-07 | 31-Jul-07 | 16.7             | 69.4                   |
| Hyland          | HL S007   | 27-Jul-07 | 31-Jul-07 | 11.8             | 70.0                   |
| Hyland          | HL SR06   | 27-Jul-07 | 02-Aug-07 | 12.9             | 70.3                   |
| Syngenta        | NX0936    | 30-Jul-07 | 03-Aug-07 | 13.2             | 70.7                   |
| Syngenta        | NX1216    | 29-Jul-07 | 03-Aug-07 | 14.7             | 70.9                   |
| Hyland          | HL S011   | 04-Aug-07 | 06-Aug-07 | 17.5             | 71.5                   |
| Pioneer         | 39B77     | 30-Jul-07 | 03-Aug-07 | 16.8             | 71.5                   |
| Elite           | 39C27 RR  | 01-Aug-07 | 05-Aug-07 | 15.9             | 71.6                   |
| Syngenta        | G4043     | 30-Jul-07 | 03-Aug-07 | 15.3             | 72.8                   |
| Syngenta        | N24-V8    | 09-Aug-07 | 08-Aug-07 | 16.6             | 73.2                   |
| Mycogen         | TMF 2N050 | 08-Aug-07 | 08-Aug-07 | 15.8             | 76.0                   |



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## 2007 Lacombe Silage Trial

| Company         | Hybrid     | Anthesis  | Silking   | Dry Yield (t/ha) | Whole Plant Moisture % |
|-----------------|------------|-----------|-----------|------------------|------------------------|
| Pioneer         | 39F57      | 31-Jul-07 | 02-Aug-07 | 13.8             | 69.0                   |
| Hyland          | HL 2093    | 08-Aug-07 | 10-Aug-07 | 12.3             | 69.1                   |
| Pioneer         | 39F45      | 29-Jul-07 | 31-Jul-07 | 12.6             | 69.4                   |
| Monsanto        | DKC26-78   | 31-Jul-07 | 02-Aug-07 | 13.2             | 70.0                   |
| Syngenta        | N05-C7     | 02-Aug-07 | 04-Aug-07 | 13.4             | 71.3                   |
| Pioneer         | 39D95      | 05-Aug-07 | 07-Aug-07 | 13.2             | 71.5                   |
| Pioneer         | 39B93      | 07-Aug-07 | 09-Aug-07 | 12.4             | 71.8                   |
| Hyland          | HL B16R    | 07-Aug-07 | 09-Aug-07 | 13.6             | 71.8                   |
| Pioneer         | 39M26      | 03-Aug-07 | 04-Aug-07 | 13.0             | 72.2                   |
| Hyland          | HL S011    | 08-Aug-07 | 10-Aug-07 | 15.7             | 72.2                   |
| Hyland          | Baxxos RR  | 06-Aug-07 | 08-Aug-07 | 14.1             | 72.3                   |
| Pickseed        | 23729 BtRR | 06-Aug-07 | 09-Aug-07 | 11.0             | 72.4                   |
| Hyland          | HL R208    | 03-Aug-07 | 05-Aug-07 | 12.8             | 72.4                   |
| Pride           | A4175Bt    | 02-Aug-07 | 05-Aug-07 | 13.5             | 72.5                   |
| Monsanto        | DKC27-44   | 02-Aug-07 | 05-Aug-07 | 16.2             | 72.5                   |
| Syngenta        | N24-V8     | 09-Aug-07 | 11-Aug-07 | 16.0             | 72.7                   |
| Pickseed        | 2240 RR    | 03-Aug-07 | 05-Aug-07 | 13.7             | 72.8                   |
| Pioneer         | 39B63      | 05-Aug-07 | 07-Aug-07 | 13.2             | 73.3                   |
| Pickseed        | 2501 RR    | 03-Aug-07 | 05-Aug-07 | 14.4             | 74.2                   |
| Pride           | A4741HM    | 05-Aug-07 | 08-Aug-07 | 10.7             | 74.3                   |
| Prairie Pacific | PP2146     | 08-Aug-07 | 10-Aug-07 | 11.0             | 74.4                   |
| Hyland          | HL SR06    | 04-Aug-07 | 06-Aug-07 | 12.7             | 74.4                   |
| Elite           | 39C27 RR   | 07-Aug-07 | 09-Aug-07 | 15.0             | 74.6                   |
| Prairie Pacific | PPX075     | 07-Aug-07 | 09-Aug-07 | 12.1             | 74.8                   |
| Pickseed        | 2230 RR    | 07-Aug-07 | 09-Aug-07 | 12.0             | 75.1                   |
| Syngenta        | N14-D8     | 06-Aug-07 | 08-Aug-07 | 14.3             | 75.3                   |
| Syngenta        | NX0936     | 08-Aug-07 | 10-Aug-07 | 13.1             | 76.2                   |
| Hyland          | HL S007    | 02-Aug-07 | 04-Aug-07 | 11.7             | 76.4                   |
| Syngenta        | G4043      | 06-Aug-07 | 08-Aug-07 | 16.3             | 76.7                   |
| Syngenta        | NX1216     | 06-Aug-07 | 08-Aug-07 | 12.5             | 77.0                   |



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## 2007 Silage Statistical Summary

### 2007 Lethbridge Silage Trial

| <u>Variable</u> | <u>YIELD</u> | <u>ANTHESIS</u> | <u>SILKING</u> | <u>MOISTURE</u> |
|-----------------|--------------|-----------------|----------------|-----------------|
| R-Square        | 0.54         | 0.95            | 0.94           | 0.87            |
| Coeff Var       | 12.92        | 0.47            | 0.48           | 2.23            |
| Root MSE        | 2.67         | 0.97            | 0.99           | 1.42            |
| Mean            | 20.64        | 205.83          | 207.68         | 63.79           |
| LSD             | 3.91         | 1.35            | 1.39           | 1.99            |

### 2007 Vauxhall Silage Trial

| <u>Variable</u> | <u>YIELD</u> | <u>ANTHESIS</u> | <u>SILKING</u> | <u>MOISTURE</u> |
|-----------------|--------------|-----------------|----------------|-----------------|
| R-Square        | 0.56         | 0.87            | 0.83           | 0.64            |
| Coeff Var       | 14.98        | 0.81            | 0.84           | 8.07            |
| Root MSE        | 1.80         | 1.68            | 1.75           | 4.88            |
| Mean            | 12.00        | 206.61          | 209.18         | 60.53           |
| LSD             | 2.69         | 2.34            | 2.44           | 7.28            |

### 2007 Brooks Silage Trial

| <u>Variable</u> | <u>YIELD</u> | <u>ANTHESIS</u> | <u>SILKING</u> | <u>MOISTURE</u> |
|-----------------|--------------|-----------------|----------------|-----------------|
| R-Square        | 0.62         | 0.92            | 0.72           | 0.53            |
| Coeff Var       | 8.76         | 0.62            | 0.80           | 5.34            |
| Root MSE        | 1.48         | 1.28            | 1.67           | 3.38            |
| Mean            | 16.95        | 206.75          | 209.47         | 63.34           |
| LSD             | 2.17         | 1.82            | 2.34           | 4.82            |

### 2007 Bow Island Silage Trial

| <u>Variable</u> | <u>YIELD</u> | <u>ANTHESIS</u> | <u>SILKING</u> | <u>MOISTURE</u> |
|-----------------|--------------|-----------------|----------------|-----------------|
| R-Square        | 0.60         | 0.88            | 0.95           | 0.65            |
| Coeff Var       | 9.44         | 0.54            | 0.51           | 5.77            |
| Root MSE        | 1.74         | 1.12            | 1.06           | 3.49            |
| Mean            | 18.39        | 208.91          | 207.04         | 60.45           |
| LSD             | 2.47         | 1.58            | 1.48           | 4.87            |

### 2007 Outlook Silage Trial

| <u>Variable</u> | <u>YIELD</u> | <u>ANTHESIS</u> | <u>SILKING</u> | <u>MOISTURE</u> |
|-----------------|--------------|-----------------|----------------|-----------------|
| R-Square        | 0.63         | 0.96            | 0.94           | 0.91            |
| Coeff Var       | 10.78        | 0.53            | 0.49           | 2.29            |
| Root MSE        | 1.70         | 1.11            | 1.05           | 1.53            |
| Mean            | 15.74        | 209.64          | 213.25         | 67.01           |
| LSD             | 2.38         | 1.56            | 1.48           | 2.15            |

### 2007 Lacombe Silage Trial

| <u>Variable</u> | <u>YIELD</u> | <u>ANTHESIS</u> | <u>SILKING</u> | <u>MOISTURE</u> |
|-----------------|--------------|-----------------|----------------|-----------------|
| R-Square        | 0.54         | 0.90            | 0.90           | 0.68            |
| Coeff Var       | 12.57        | 0.50            | 0.51           | 2.85            |
| Root MSE        | 1.68         | 1.08            | 1.11           | 2.08            |
| Mean            | 13.37        | 217.18          | 219.27         | 73.07           |
| LSD             | 2.49         | 1.51            | 1.56           | 2.93            |



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## 2008 Alberta Corn Committee Grain Hybrid Performance List

| <b>Company</b> | <b>Hybrid</b> | <b>CHU Rating</b> | <b>Location Yrs</b> | <b>Yield(bu/ac)</b> | <b>% of Pooled Mean</b> | <b>% Moisture</b> | <b>Test Weight(lb/bu)</b> | <b>Anthesis</b> |
|----------------|---------------|-------------------|---------------------|---------------------|-------------------------|-------------------|---------------------------|-----------------|
| Pioneer        | 39F45         | 2000              | 31                  | 106                 | 95.0                    | 24.8              | 57.0                      | 22-Jul-07       |
| Monsanto       | DKC26-78      | 2150              | 7                   | 127                 | 116.0                   | 25.2              | 54.0                      | 25-Jul-07       |
| Hyland         | HL2093        | 2250              | 38                  | 114                 | 101.0                   | 25.8              | 53.1                      | 28-Jul-07       |
| Pioneer        | 39M26         | 2100              | 8                   | 113                 | 101.0                   | 26.0              | 55.4                      | 28-Jul-07       |
| Elite          | 30A27 RR      | 2200              | 13                  | 109                 | 99.0                    | 26.1              | 53.1                      | 24-Jul-07       |
| Syngenta       | N05-C7        | 2200              | 14                  | 115                 | 101.0                   | 27.4              | 55.4                      | 27-Jul-07       |
| Hyland         | HL R208       | 2250              | 6                   | 111                 | 98.0                    | 27.8              | 53.5                      | 27-Jul-07       |
| Maizex         | MZ 115        | 2100              | 15                  | 121                 | 108.0                   | 27.9              | 52.0                      | 24-Jul-07       |
| Syngenta       | N06-C1        | 2250              | 9                   | 121                 | 108.0                   | 28.9              | 51.9                      | 27-Jul-07       |



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## 2007 Alberta Corn Committee Grain Hybrid Performance Averaged Over Locations

| Company       | Hybrid   | Locations | Yield(bu/ac) | Yield (%<br>Checks) | Moisture | TWT (kg/hl) | Anthesis  |
|---------------|----------|-----------|--------------|---------------------|----------|-------------|-----------|
| Pioneer       | 39F45    | 4         | 128.3        | 86.0                | 25.3     | 74.9        | 17-Jul-07 |
| Elite         | 30A27 RR | 3         | 135.7        | 90.0                | 26.7     | 70.6        | 22-Jul-07 |
| Monsanto      | DKC26-78 | 4         | 160.3        | 109.0               | 27.1     | 72.8        | 21-Jul-07 |
| Pioneer       | 39M26    | 4         | 155.7        | 106.0               | 28.4     | 74.8        | 22-Jul-07 |
| Hyland        | HL2093   | 4         | 146.7        | 100.0               | 28.5     | 71.6        | 23-Jul-07 |
| Maizex        | EX 1271R | 2         | 176.3        | 106.0               | 28.6     | 73.4        | 16-Jul-07 |
| Pioneer       | 39F57    | 4         | 161.1        | 111.0               | 29.3     | 71.1        | 26-Jul-07 |
| Hyland        | HL R208  | 4         | 141.8        | 95.0                | 29.7     | 70.8        | 23-Jul-07 |
| Pioneer       | 39B63    | 4         | 141.5        | 96.0                | 29.8     | 71.3        | 25-Jul-07 |
| Syngenta      | N05-C7   | 4         | 151.3        | 103.0               | 29.9     | 74.4        | 24-Jul-07 |
| Pickseed      | 2240 RR  | 1         | 149.3        | 104.0               | 31.0     | 71.1        | 24-Jul-07 |
| Syngenta      | N06-C1   | 4         | 153.7        | 104.0               | 31.3     | 70.3        | 22-Jul-07 |
| Maizex        | EX 1261R | 2         | 171.6        | 103.0               | 32.2     | 72.2        | 20-Jul-07 |
| Maizex        | MZ 115   | 3         | 159.5        | 101.0               | 32.4     | 67.7        | 18-Jul-07 |
| Seeds 2000    | 2781RR   | 2         | 182.0        | 108.0               | 32.8     | 69.6        | 25-Jul-07 |
| Prairie Pacif | PPX7841  | 1         | 153.7        | 107.0               | 33.9     | 60.0        | 29-Jul-07 |
| Pickseed      | 23729 Bt | 1         | 137.6        | 96.0                | 34.0     | 71.7        | 25-Jul-07 |
| Prairie Pacif | PP2146   | 4         | 161.4        | 109.0               | 34.1     | 69.2        | 27-Jul-07 |
| Croplan       | 229BtRR  | 3         | 170.6        | 109.0               | 34.6     | 69.0        | 26-Jul-07 |
| Prairie Pacif | PPX075   | 4         | 145.9        | 98.0                | 35.8     | 69.0        | 30-Jul-07 |



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## 2007 Alberta Corn Committee Grain Hybrid Performance - Outlook Multi-Year Data

| Company         | Hybrid    | Anthesis<br>(10%) | Silking<br>(50%) | Yield<br>(g/plot) | Yield<br>(bu/ac) | Moisture<br>(%) | TWT<br>(kg/ha) |
|-----------------|-----------|-------------------|------------------|-------------------|------------------|-----------------|----------------|
| Pioneer         | 39F45     | 16-Jul-07         | 18-Jul-07        | 10242.4           | 178.5            | 23.3            | 74.8           |
| Elite           | 30A27 RR  | 17-Jul-07         | 19-Jul-07        | 9779.4            | 170.4            | 24.8            | 71.5           |
| Monsanto        | DKC26-78  | 20-Jul-07         | 22-Jul-07        | 11855.3           | 206.6            | 24.8            | 71.6           |
| Pioneer         | 39M26     | 21-Jul-07         | 22-Jul-07        | 11296.3           | 196.9            | 25.5            | 75.5           |
| Maizex          | EX 1271RR | 16-Jul-07         | 18-Jul-07        | 10758.9           | 187.5            | 26.9            | 74.8           |
| Hyland          | HL R208   | 20-Jul-07         | 22-Jul-07        | 11916.5           | 207.7            | 27.2            | 73.0           |
| Maizex          | EX 1261RR | 21-Jul-07         | 23-Jul-07        | 11833.9           | 206.2            | 27.8            | 72.2           |
| Syngenta        | N05-C7    | 21-Jul-07         | 23-Jul-07        | 10757.5           | 187.5            | 28.0            | 75.4           |
| Hyland          | HL 2093   | 22-Jul-07         | 24-Jul-07        | 10535.2           | 183.6            | 28.8            | 72.4           |
| Pioneer         | 39B63     | 23-Jul-07         | 25-Jul-07        | 10197.5           | 177.7            | 29.3            | 73.4           |
| Maizex          | MZ 115    | 18-Jul-07         | 20-Jul-07        | 10549.9           | 183.8            | 30.2            | 70.6           |
| Pioneer         | 39F57     | 24-Jul-07         | 26-Jul-07        | 10881.4           | 189.6            | 30.5            | 75.4           |
| Syngenta        | N06-C1    | 21-Jul-07         | 23-Jul-07        | 12211.5           | 212.8            | 32.1            | 72.1           |
| Croplan         | 229BtRR   | 25-Jul-07         | 27-Jul-07        | 11484.3           | 200.1            | 33.7            | 72.6           |
| Seeds 2000      | 2781RR    | 26-Jul-07         | 27-Jul-07        | 12028.0           | 209.6            | 34.3            | 73.9           |
| Prairie Pacific | PP2146    | 26-Jul-07         | 25-Jul-07        | 11730.5           | 204.4            | 35.8            | 74.8           |
| Prairie Pacific | PPX075    | 28-Jul-07         | 30-Jul-07        | 10906.9           | 190.1            | 37.4            | 74.1           |



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## 2007 Grain Trials

### 2007 Lethbridge Grain Trial

| <b>Company</b>  | <b>Hybrid</b> | <b>Anthesis<br/>(10%)</b> | <b>Silking<br/>(50%)</b> | <b>Yield (g/plot)</b> | <b>Yield (bu/ac)</b> | <b>Moisture<br/>(%)</b> | <b>TWT<br/>(kg/ha)</b> |
|-----------------|---------------|---------------------------|--------------------------|-----------------------|----------------------|-------------------------|------------------------|
| Pioneer         | 39F45         | 16-Jul-07                 | 18-Jul-07                | 10242.4               | 178.5                | 23.3                    | 74.8                   |
| Elite           | 30A27 RR      | 17-Jul-07                 | 19-Jul-07                | 9779.4                | 170.4                | 24.8                    | 71.5                   |
| Monsanto        | DKC26-78      | 20-Jul-07                 | 22-Jul-07                | 11855.3               | 206.6                | 24.8                    | 71.6                   |
| Pioneer         | 39M26         | 21-Jul-07                 | 22-Jul-07                | 11296.3               | 196.9                | 25.5                    | 75.5                   |
| Maizex          | EX 1271RR     | 16-Jul-07                 | 18-Jul-07                | 10758.9               | 187.5                | 26.9                    | 74.8                   |
| Hyland          | HL R208       | 20-Jul-07                 | 22-Jul-07                | 11916.5               | 207.7                | 27.2                    | 73.0                   |
| Maizex          | EX 1261RR     | 21-Jul-07                 | 23-Jul-07                | 11833.9               | 206.2                | 27.8                    | 72.2                   |
| Syngenta        | N05-C7        | 21-Jul-07                 | 23-Jul-07                | 10757.5               | 187.5                | 28.0                    | 75.4                   |
| Hyland          | HL 2093       | 22-Jul-07                 | 24-Jul-07                | 10535.2               | 183.6                | 28.8                    | 72.4                   |
| Pioneer         | 39B63         | 23-Jul-07                 | 25-Jul-07                | 10197.5               | 177.7                | 29.3                    | 73.4                   |
| Maizex          | MZ 115        | 18-Jul-07                 | 20-Jul-07                | 10549.9               | 183.8                | 30.2                    | 70.6                   |
| Pioneer         | 39F57         | 24-Jul-07                 | 26-Jul-07                | 10881.4               | 189.6                | 30.5                    | 75.4                   |
| Syngenta        | N06-C1        | 21-Jul-07                 | 23-Jul-07                | 12211.5               | 212.8                | 32.1                    | 72.1                   |
| Croplan         | 229BtRR       | 25-Jul-07                 | 27-Jul-07                | 11484.3               | 200.1                | 33.7                    | 72.6                   |
| Seeds 2000      | 2781RR        | 26-Jul-07                 | 27-Jul-07                | 12028.0               | 209.6                | 34.3                    | 73.9                   |
| Prairie Pacific | PP2146        | 26-Jul-07                 | 25-Jul-07                | 11730.5               | 204.4                | 35.8                    | 74.8                   |
| Prairie Pacific | PPX075        | 28-Jul-07                 | 30-Jul-07                | 10906.9               | 190.1                | 37.4                    | 74.1                   |



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## 2007 Vauxhall Grain Trial

| <b>Company</b>  | <b>Hybrid</b> | <b>Anthesis<br/>(10%)</b> | <b>Silking<br/>(50%)</b> | <b>Yield<br/>(g/plot)</b> | <b>Yield<br/>(bu/ac)</b> | <b>Moisture<br/>(%)</b> | <b>TWT<br/>(kg/ha)</b> |
|-----------------|---------------|---------------------------|--------------------------|---------------------------|--------------------------|-------------------------|------------------------|
| Maizex          | MZ 115        | 17-Jul-07                 | 19-Jul-07                | 4803.9                    | 83.7                     | 19.9                    | 69.3                   |
| Hyland          | HL 2093       | 20-Jul-07                 | 22-Jul-07                | 5409.0                    | 94.3                     | 20.8                    | 71.9                   |
| Syngenta        | N05-C7        | 22-Jul-07                 | 23-Jul-07                | 6099.3                    | 106.3                    | 20.9                    | 75.3                   |
| Monsanto        | DKC26-78      | 17-Jul-07                 | 19-Jul-07                | 6180.1                    | 107.7                    | 20.9                    | 72.3                   |
| Pioneer         | 39F45         | 15-Jul-07                 | 17-Jul-07                | 4601.9                    | 80.2                     | 20.9                    | 74.6                   |
| Hyland          | HL R208       | 18-Jul-07                 | 20-Jul-07                | 6114.5                    | 106.6                    | 20.9                    | 73.6                   |
| Pioneer         | 39M26         | 21-Jul-07                 | 23-Jul-07                | 5268.8                    | 91.8                     | 21.3                    | 75.8                   |
| Syngenta        | N06-C1        | 18-Jul-07                 | 20-Jul-07                | 7273.5                    | 126.8                    | 22.0                    | 72.1                   |
| Maizex          | EX 1271RR     | 16-Jul-07                 | 18-Jul-07                | 6598.7                    | 115.0                    | 22.1                    | 74.5                   |
| Pioneer         | 39F57         | 25-Jul-07                 | 27-Jul-07                | 6265.2                    | 109.2                    | 23.0                    | 73.4                   |
| Maizex          | EX 1261RR     | 21-Jul-07                 | 23-Jul-07                | 5773.4                    | 100.6                    | 23.9                    | 69.4                   |
| Pioneer         | 39B63         | 23-Jul-07                 | 25-Jul-07                | 4833.2                    | 84.2                     | 24.0                    | 73.8                   |
| Elite           | 30A27 RR      | 20-Jul-07                 | 22-Jul-07                | 4895.4                    | 85.3                     | 24.1                    | 71.9                   |
| Seeds 2000      | 2781RR        | 27-Jul-07                 | 27-Jul-07                | 4493.1                    | 78.3                     | 26.1                    | 68.6                   |
| Croplan         | 229BtRR       | 25-Jul-07                 | 26-Jul-07                | 5281.5                    | 92.0                     | 28.2                    | 69.3                   |
| Prairie Pacific | PP2146        | 27-Jul-07                 | 27-Jul-07                | 4669.5                    | 81.4                     | 30.7                    | 67.1                   |
| Prairie Pacific | PPX075        | 27-Jul-07                 | 28-Jul-07                | 5933.3                    | 103.4                    | 32.9                    | 69.5                   |



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## 2007 Brooks Grain Trial

| <b>Company</b>  | <b>Hybrid</b> | <b>Anthesis<br/>(10%)</b> | <b>Silking<br/>(50%)</b> | <b>Yield<br/>(g/plot)</b> | <b>Yield<br/>(bu/ac)</b> | <b>Moisture<br/>(%)</b> | <b>TWT<br/>(kg/ha)</b> |
|-----------------|---------------|---------------------------|--------------------------|---------------------------|--------------------------|-------------------------|------------------------|
| Pioneer         | 39F45         | 13-Jul-07                 | 20-Jul-07                | 6506.1                    | 113.4                    | 30.6                    | .                      |
| Monsanto        | DKC26-78      | 18-Jul-07                 | 23-Jul-07                | 7778.9                    | 135.6                    | 33.2                    | .                      |
| Syngenta        | N05-C7        | 21-Jul-07                 | 24-Jul-07                | 8536.1                    | 148.8                    | 34.3                    | .                      |
| Pioneer         | 39M26         | 19-Jul-07                 | 23-Jul-07                | 8834.4                    | 154.0                    | 35.9                    | .                      |
| Hyland          | HL 2093       | 20-Jul-07                 | 24-Jul-07                | 8500.7                    | 148.1                    | 36.2                    | .                      |
| Pioneer         | 39F57         | 24-Jul-07                 | 25-Jul-07                | 9169.4                    | 159.8                    | 36.3                    | .                      |
| Maizex          | MZ 115        | 16-Jul-07                 | 21-Jul-07                | 7940.3                    | 138.4                    | 36.5                    | .                      |
| Pioneer         | 39B63         | 22-Jul-07                 | 25-Jul-07                | 8101.9                    | 141.2                    | 36.7                    | .                      |
| Maizex          | EX 1261RR     | 20-Jul-07                 | 24-Jul-07                | 7866.7                    | 137.1                    | 36.7                    | .                      |
| Hyland          | HL R208       | 21-Jul-07                 | 25-Jul-07                | 7015.1                    | 122.2                    | 37.3                    | .                      |
| Croplan         | 229BtRR       | 27-Jul-07                 | 29-Jul-07                | 9634.5                    | 167.9                    | 37.3                    | .                      |
| Prairie Pacific | PP2146        | 26-Jul-07                 | 26-Jul-07                | 10327.5                   | 180.0                    | 37.6                    | .                      |
| Syngenta        | N06-C1        | 20-Jul-07                 | 25-Jul-07                | 7722.5                    | 134.6                    | 38.4                    | .                      |
| Prairie Pacific | PPX075        | 29-Jul-07                 | 30-Jul-07                | 9512.7                    | 165.8                    | 39.5                    | .                      |



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## 2007 Bow Island Grain Trial

| <b>Company</b>  | <b>Hybrid</b> | <b>Anthesis<br/>(10%)</b> | <b>Silking<br/>(50%)</b> | <b>Yield<br/>(g/plot)</b> | <b>Yield<br/>(bu/ac)</b> | <b>Moisture<br/>(%)</b> | <b>TWT<br/>(kg/hl)</b> |
|-----------------|---------------|---------------------------|--------------------------|---------------------------|--------------------------|-------------------------|------------------------|
| Pickseed        | 2230 RR       | 23-Jul-07                 | 19-Jul-07                | 8004.9                    | 139.5                    | 27.7                    | 67.3                   |
| Hyland          | HL 2093       | 23-Jul-07                 | 19-Jul-07                | 8214.4                    | 143.1                    | 27.8                    | 66.7                   |
| Monsanto        | DKC26-78      | 20-Jul-07                 | 16-Jul-07                | 9449.5                    | 164.7                    | 27.9                    | 69.6                   |
| Pioneer         | 39F57         | 25-Jul-07                 | 25-Jul-07                | 8751.9                    | 152.5                    | 28.3                    | 67.7                   |
| Elite           | 30A27 RR      | 21-Jul-07                 | 17-Jul-07                | 7583.1                    | 132.1                    | 28.5                    | 67.1                   |
| Pioneer         | 39B63         | 25-Jul-07                 | 23-Jul-07                | 7544.3                    | 131.5                    | 29.2                    | 67.1                   |
| Pioneer         | 39M26         | 24-Jul-07                 | 20-Jul-07                | 8984.0                    | 156.6                    | 29.2                    | 69.2                   |
| Hyland          | HL R208       | 24-Jul-07                 | 20-Jul-07                | 7347.7                    | 128.0                    | 29.3                    | 67.9                   |
| Pioneer         | 39F45         | 18-Jul-07                 | 12-Jul-07                | 6789.8                    | 118.3                    | 29.4                    | 69.1                   |
| Maizex          | EX 1271RR     | 17-Jul-07                 | 11-Jul-07                | 9474.1                    | 165.1                    | 30.4                    | 72.0                   |
| Maizex          | MZ 115        | 21-Jul-07                 | 16-Jul-07                | 8962.9                    | 156.2                    | 30.7                    | 64.8                   |
| Syngenta        | N05-C7        | 25-Jul-07                 | 21-Jul-07                | 8805.7                    | 153.5                    | 30.7                    | 71.0                   |
| Pickseed        | 2240 RR       | 24-Jul-07                 | 20-Jul-07                | 8567.8                    | 149.3                    | 31.0                    | 71.1                   |
| Seeds 2000      | 2781RR        | 25-Jul-07                 | 27-Jul-07                | 8862.4                    | 154.4                    | 31.3                    | 65.4                   |
| Syngenta        | N06-C1        | 24-Jul-07                 | 20-Jul-07                | 7800.4                    | 135.9                    | 31.7                    | 66.5                   |
| Prairie Pacific | PP2146        | 23-Jul-07                 | 22-Jul-07                | 9241.9                    | 161.1                    | 32.7                    | 67.1                   |
| Croplan         | 229BtRR       | 27-Jul-07                 | 26-Jul-07                | 8256.9                    | 143.9                    | 32.9                    | 65.5                   |
| Prairie Pacific | PPX075        | 29-Jul-07                 | 28-Jul-07                | 7704.2                    | 134.3                    | 33.9                    | 67.1                   |
| Prairie Pacific | PPX84         | 29-Jul-07                 | 27-Jul-07                | 8819.4                    | 153.7                    | 33.9                    | 60.0                   |
| Pickseed        | 23729 BtRR    | 25-Jul-07                 | 21-Jul-07                | 7896.7                    | 137.6                    | 34.0                    | 71.7                   |



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## 2007 Outlook Grain Trial

| <b>Company</b>  | <b>Hybrid</b> | <b>Anthesis<br/>(10%)</b> | <b>Silking<br/>(50%)</b> | <b>Yield<br/>(g/plot)</b> | <b>Yield<br/>(bu/ac)</b> | <b>Moisture<br/>(%)</b> | <b>TWT<br/>(kg/hl)</b> |
|-----------------|---------------|---------------------------|--------------------------|---------------------------|--------------------------|-------------------------|------------------------|
| Pioneer         | 39F45         | 21-Jul-07                 | 25-Jul-07                | 5910.6                    | 103.0                    | 18.1                    | 81.0                   |
| Hyland          | HL 2093       | 29-Jul-07                 | 1-Aug-07                 | 6424.5                    | 112.0                    | 21.2                    | 75.7                   |
| Pioneer         | 39F57         | 31-Jul-07                 | 3-Aug-07                 | 8179.3                    | 142.5                    | 22.3                    | 70.2                   |
| Monsanto        | DKC26-78      | 26-Jul-07                 | 31-Jul-07                | 7717.8                    | 134.5                    | 22.6                    | 77.3                   |
| Syngenta        | N06-C1        | 25-Jul-07                 | 30-Jul-07                | 7539.8                    | 131.4                    | 23.0                    | 72.3                   |
| Pioneer         | 39M26         | 25-Jul-07                 | 31-Jul-07                | 6617.5                    | 115.3                    | 23.1                    | 79.7                   |
| Pioneer         | 39B63         | 30-Jul-07                 | 2-Aug-07                 | 6628.4                    | 115.5                    | 24.0                    | 73.5                   |
| Hyland          | HL R208       | 29-Jul-07                 | 31-Jul-07                | 6278.0                    | 109.4                    | 25.0                    | 71.6                   |
| Syngenta        | N05-C7        | 30-Jul-07                 | 2-Aug-07                 | 6628.5                    | 115.5                    | 26.8                    | 77.0                   |
| Elite           | 30A27 RR      | 28-Jul-07                 | 1-Aug-07                 | 6005.1                    | 104.6                    | 27.0                    | 73.3                   |
| Prairie Pacific | PP2146        | 03-Aug-07                 | 3-Aug-07                 | 5754.9                    | 100.3                    | 30.5                    | 65.9                   |
| Prairie Pacific | PPX075        | 03-Aug-07                 | 6-Aug-07                 | 5375.4                    | 93.7                     | 32.4                    | 65.8                   |



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## 2007 Grain Statistical Summary

### 2007 Lethbridge Grain Trial

| Variable  | YIELD    | ANTHESIS | SILKING | TEST WEIGHT | MOISTURE |
|-----------|----------|----------|---------|-------------|----------|
| R-Square  | 0.76     | 0.94     | 0.95    | 0.75        | 0.92     |
| Coeff Var | 4.34     | 0.50     | 0.44    | 1.44        | 4.88     |
| Root MSE  | 482.46   | 1.01     | 0.90    | 1.06        | 1.43     |
| Mean      | 11128.64 | 202.90   | 204.54  | 73.42       | 29.42    |
| LSD       | 693      | 1.43     | 1.27    | 1.5         | 2.04     |

### 2007 Vauxhall Grain Trial

| Variable  | YIELD   | ANTHESIS | SILKING | TEST WEIGHT | MOISTURE |
|-----------|---------|----------|---------|-------------|----------|
| R-Square  | 0.67    | 0.90     | 0.86    | 0.60        | 0.74     |
| Coeff Var | 12.53   | 0.75     | 0.82    | 3.39        | 10.88    |
| Root MSE  | 689.14  | 1.52     | 1.68    | 2.44        | 2.58     |
| Mean      | 5500.71 | 202.38   | 204.09  | 71.92       | 23.66    |
| LSD       | 1151.90 | 2.17     | 2.39    | 3.46        | 3.66     |

### 2007 Brooks Grain Trial

| Variable  | YIELD   | ANTHESIS | SILKING | TEST WEIGHT | MOISTURE |
|-----------|---------|----------|---------|-------------|----------|
| R-Square  | 0.83    | 0.96     | 0.83    | .           | 0.47     |
| Coeff Var | 8.39    | 0.51     | 0.67    | .           | 7.81     |
| Root MSE  | 697.42  | 1.02     | 1.38    | .           | 2.81     |
| Mean      | 8314.08 | 202.25   | 205.70  | .           | 36.05    |
| LSD       | 1059.10 | 1.46     | 1.98    | .           | 4.17     |

### 2007 Bow Island Grain Trial

| Variable  | YIELD   | ANTHESIS | SILKING | TEST WEIGHT | MOISTURE |
|-----------|---------|----------|---------|-------------|----------|
| R-Square  | 0.75    | 0.89     | 0.93    | 0.87        | 0.95     |
| Coeff Var | 9.12    | 0.68     | 0.83    | 1.80        | 3.38     |
| Root MSE  | 746.56  | 1.40     | 1.67    | 1.22        | 1.06     |
| Mean      | 8187.28 | 205.19   | 202.27  | 67.69       | 31.19    |
| LSD       | 1107.60 | 1.99     | 2.37    | 1.75        | 1.49     |

### 2007 Outlook Grain Trial

| Variable  | YIELD   | ANTHESIS | SILKING | TEST WEIGHT | MOISTURE |
|-----------|---------|----------|---------|-------------|----------|
| R-Square  | 0.64    | 0.87     | 0.86    | 0.81        | 0.80     |
| Coeff Var | 11.20   | 0.77     | 0.63    | 3.74        | 9.38     |
| Root MSE  | 728.28  | 1.62     | 1.35    | 2.75        | 2.31     |
| Mean      | 6502.86 | 209.96   | 213.33  | 73.61       | 24.67    |
| LSD       | 1139.40 | 2.33     | 1.95    | 3.96        | 3.33     |



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