

## Morden - Grain Corn Results 2016

### Comments:

The 2016 grain corn hybrid trials were tested and the data donated by the Manitoba Corn Committee. The data presented is for one year only. Use with caution. All hybrids are evaluated at a plant population of 30,000 plants per acre. Yields are corrected to 15.5% moisture content.

| CHU <sup>1</sup>     | Hybrid          | Technology / Genetic Traits <sup>2</sup> | Distributor                     | Morden                 |              |                 |                    |
|----------------------|-----------------|--|---------------------------------|------------------------|--------------|-----------------|--------------------|
|                      |                 |  |                                 | Yield (bu/ac)          | Moisture (%) | Days to Silking | Bushel Wt (lbs/bu) |
| 2050                 | P7202AM         | YGCB/HX1/LL/RR2                          | DuPont Pioneer                  | 145.4                  | 24.8         | 73              | 53.1               |
| 2050                 | P7211HR         | HX1/LL/RR2                               | DuPont Pioneer                  | 126.9                  | 21.5         | 72              | 54.0               |
| 2050                 | P7332R          | RR2                                      | DuPont Pioneer                  | 153.5                  | 24.2         | 76              | 53.1               |
| 2075                 | DKC 23-17RIB    | GENVT2P                                  | DEKALB                          | 138.8                  | 24.9         | 71              | 55.9               |
| 2100                 | LR9573VT2PRIB   | VT2PRIB                                  | Delmar Commodities              | 151.8                  | 25.4         | 75              | 55.1               |
| 2100                 | TH 7574VT2P RIB | VT2P                                     | Thunder Seed Inc.               | 173.5                  | 25.8         | 75              | 55.6               |
| 2100                 | P7410HR         | HX1/LL/RR2                               | DuPont Pioneer                  | 140.2                  | 22.2         | 77              | 52.1               |
| 2125                 | LR 9474VT2PRIB  | VT2PRIB                                  | Delmar Commodities              | 178.5                  | 28.7         | 77              | 53.6               |
| 2150                 | E44A02 R        | VT2P                                     | Elite                           | 156.7                  | 24.2         | 75              | 54.3               |
| 2150                 | E46J77 R        | GT                                       | Elite                           | 155.0                  | 25.3         | 76              | 55.6               |
| 2150                 | MZ 1340DBR      | GENVT2P                                  | Maizex Seeds Inc.               | 181.0                  | 26.0         | 74              | 53.9               |
| 2150                 | PV 60075RIB     | VT Double Pro RIB                        | Crop Production Services Canada | 163.0                  | 24.2         | 72              | 55.7               |
| 2175                 | A4199G2 RIB     | VT2P                                     | PRIDE Seeds                     | 162.6                  | 23.2         | 73              | 55.0               |
| 2175                 | PS 2210VT2P RIB | GENVT2P                                  | DLF Pickseed Canada Inc.        | 193.6                  | 27.9         | 77              | 53.0               |
| 2200                 | HZ 1550         | Agrisure 3010                            | Horizon Seeds                   | 150.9                  | 26.3         | 76              | 55.1               |
| 2200                 | A4415G2 RIB     | VT2P                                     | PRIDE Seeds                     | 139.8                  | 26.3         | 74              | 55.5               |
| 2200                 | LR 9676VT2PRIB  | VT2PRIB                                  | Delmar Commodities              | 150.4                  | 23.8         | 75              | 55.8               |
| 2200                 | TH4578          | RR                                       | Thunder Seed Inc.               | 164.6                  | 26.1         | 77              | 52.8               |
| 2200                 | TH 7677VT2P RIB | VT2P                                     | Thunder Seed Inc.               | 187.5                  | 27.6         | 78              | 53.6               |
| 2200                 | PS 2320RR       | RR2                                      | DLF Pickseed Canada Inc.        | 195.0                  | 30.0         | 75              | 54.5               |
| 2225                 | TH 7578VT2P RIB | VT2P                                     | Thunder Seed Inc.               | 176.0                  | 26.0         | 76              | 53.2               |
| 2225                 | P7632AM         | YGCB/HX1/LL/RR2                          | DuPont Pioneer                  | 166.0                  | 25.2         | 76              | 52.8               |
| 2225                 | E47A12 R        | VT2P                                     | Elite                           | 193.6                  | 28.5         | 77              | 53.3               |
| 2250                 | HZ 1885         | Agrisure 3010                            | Horizon Seeds                   | 167.9                  | 27.5         | 79              | 54.3               |
| 2250                 | 39V05           | RR2                                      | DuPont Pioneer                  | 158.1                  | 23.9         | 76              | 53.7               |
| 2250                 | MZ 1633DBR      | GENVT2P                                  | Maizex Seeds Inc.               | 190.9                  | 27.3         | 77              | 53.4               |
| 2250                 | 4085            | HXT/LL/RR                                | DOW Seeds                       | 172.7                  | 27.1         | 77              | 54.4               |
| 2250                 | X14123VH        | Bt/RR                                    | DOW Seeds                       | 170.7                  | 35.0         | 81              | 51.6               |
| 2275                 | P7958AM         | YGCB/HX1/LL/RR2                          | DuPont Pioneer                  | 168.7                  | 25.2         | 79              | 52.7               |
| 2275                 | 39V09AM         | YGCB/HX1/LL/RR2                          | DuPont Pioneer                  | 174.1                  | 25.2         | 77              | 53.3               |
| 2275                 | PS 2348VT2P RIB | GENVT2P                                  | DLF Pickseed Canada Inc.        | 178.5                  | 27.1         | 78              | 54.8               |
| 2300                 | A4631G2 RIB     | VT2P                                     | PRIDE Seeds                     | 172.7                  | 26.2         | 78              | 53.9               |
| 2300                 | MZ 1624DBR      | GENVT2P                                  | Maizex Seeds Inc.               | 194.9                  | 27.2         | 77              | 53.6               |
| 2300                 | 4093            | HXT/LL/RR                                | DOW Seeds                       | 166.0                  | 27.5         | 77              | 54.5               |
| 2300                 | DS80A27         | SSX                                      | DOW Seeds                       | 189.7                  | 30.8         | 79              | 51.1               |
| 2300                 | X15014VX        | Bt/RR                                    | DOW Seeds                       | 180.8                  | 30.7         | 77              | 52.2               |
| 2300                 | X15102VX        | Bt/RR                                    | DOW Seeds                       | 160.4                  | 26.8         | 78              | 51.3               |
| 2325                 | E49A12 R        | VT2P                                     | Elite                           | 185.1                  | 27.2         | 77              | 52.9               |
| 2350                 | HZ 675          | Agrisure 3010                            | Horizon Seeds                   | 179.0                  | 30.9         | 79              | 53.9               |
| 2350                 | A4939G2 RIB     | VT2P                                     | PRIDE Seeds                     | 193.6                  | 28.2         | 77              | 52.6               |
| 2350                 | TH 7681VT2P RIB | VT2P                                     | Thunder Seed Inc.               | 182.3                  | 26.8         | 76              | 52.1               |
| 2375                 | HZ 730GT        | GT                                       | Horizon Seeds                   | 163.6                  | 25.3         | 77              | 51.7               |
| 2375                 | A5095G2 RIB     | VT2P                                     | PRIDE Seeds                     | 191.7                  | 28.5         | 76              | 53.5               |
| 2400                 | E50P52 R        | VT2P                                     | Elite                           | 181.4                  | 29.4         | 77              | 53.3               |
| 2450                 | DKC 32-12RIB    | GENVT2P                                  | DEKALB                          | 194.0                  | 28.0         | 78              | 52.9               |
| 2450                 | E52V92 R        | VT2P                                     | Elite                           | 181.5                  | 28.8         | 78              | 53.4               |
| 2475                 | P8210HR         | HX1/LL/RR2                               | DuPont Pioneer                  | 175.8                  | 28.7         | 78              | 51.8               |
| 2500                 | P8387AM         | YGCB/HX1/LL/RR2                          | DuPont Pioneer                  | 173.9                  | 26.8         | 78              | 51.0               |
| 2500                 | E53B22 R        | VT2P                                     | Elite                           | 189.6                  | 27.4         | 78              | 53.0               |
| 2500                 | E53G52 R        | VT2P                                     | Elite                           | 190.1                  | 27.3         | 78              | 52.6               |
| <b>Site Average</b>  |                 |  |                                 | <b>171.4</b>           | <b>26.8</b>  | <b>76.4</b>     | <b>53.5</b>        |
| <b>CV%</b>           |                 |  |                                 | <b>6.1</b>             | <b>3.7</b>   | <b>1.1</b>      | <b>1.1</b>         |
| <b>Sign Diff</b>     |                 |  |                                 | <b>YES</b>             | <b>YES</b>   | <b>YES</b>      | <b>YES</b>         |
| <b>LSD (0.05)</b>    |                 |  |                                 | <b>17.0</b>            | <b>1.6</b>   | <b>1.4</b>      | <b>0.9</b>         |
| <b>Planting Date</b> |                 |  |                                 | <b>May 9, 2016</b>     |              |                 |                    |
| <b>Harvest Date</b>  |                 |  |                                 | <b>October 5, 2016</b> |              |                 |                    |

<sup>1</sup> Each company assigns a corn heat unit (CHU) rating to each of their hybrids. The CHU rating is a measure of relative maturity and is one criteria for choosing a hybrid which will mature in your area. Moisture content at harvest, density, and days to 50% silk are other measurements to look at when evaluating the relative maturity of a hybrid.

<sup>2</sup> The Canadian Seed Trade Association (CSTA) website provides a database for corn hybrids available in Canada, available at <http://cdnseed.org/list-of-corn-hybrids/>. Information provided includes technology brand name and refuge requirements. BT, HX1, CB, YGCB, VT2PRIB - resistance to European corn borer; RR, RR2, GT - glyphosate herbicide tolerant; LL - Liberty herbicide tolerant.