# Corn after Corn Show Plot – 2008

| RAINFALL | |
|---|---|
| April | 4.64 in. |
| May | 6.36 in. |
| June | 3.12 in. |
| July | 8.90 in. |
| August | 0.80 in. |
| Total | 23.82 in. |

**Planted:** April 29, 2008
**Harvested:** September 25, 2008
**Rows:** Six 30" rows
**Soil Type:** Silt Loam
**Population:** 34,000 seeds/A.

**Previous Crop:** Corn
**Tillage:** Disk / Chisel / Field Cultivator
**Herbicide:** 3 qts. Degree Xtra
1 qt. Atrazine / 0.75 oz. Impact
**Insecticide:** 6 oz. Artic

| Yield Rank | Brand | Harvested Population | Test* Weight | Percent Broken Stalks | Percent Moisture | Bushels* Per Acre |
|---|---|---|---|---|---|---|
| 1 | BECK 6733HXR™** | 33,500 | 58.5 | 7.0 | 20.9 | 229.0 |
| 2 | BECK 6722VT3 | 32,750 | 56.2 | 40.0 | 22.0 | 227.5 |
| 3 | BECK 5716A3 | 30,750 | 54.1 | 7.0 | 21.5 | 217.7 |
| 4 | BECK 5722HXR | 32,250 | 56.9 | 10.0 | 20.0 | 216.9 |
| 5 | BECK 6197VT | 32,250 | 57.9 | 15.0 | 21.0 | 216.9 |
| 6 | BECK EX 9864 (5779VT3 Genetics) | 32,750 | 54.6 | 17.5 | 19.5 | 213.9 |
| 7 | BECK 5555VT3 | 32,250 | 56.7 | 10.0 | 19.6 | 213.6 |
| 8 | BECK 7916VT3 | 33,000 | 56.3 | 60.0 | 22.7 | 211.2 |
| 9 | BECK EX 9850 | 33,250 | 54.2 | 27.5 | 20.5 | 207.4 |
| 10 | BECK 5608VT3 | 33,250 | 56.3 | 2.5 | 18.3 | 202.5 |
| 11 | BECK 5684VT3 | 32,750 | 55.0 | 16.5 | 18.4 | 201.7 |
| 12 | BECK 5616VT3 | 31,500 | 57.4 | 2.5 | 19.2 | 201.4 |
| 13 | BECK 5684CL | 32,500 | 54.0 | 30.0 | 17.6 | 200.9 |
| 14 | BECK 5616CL | 33,500 | 55.7 | 40.0 | 18.9 | 199.4 |
| 15 | BECK EX 8719 (5784RR Genetics) | 33,250 | 53.5 | 5.0 | 19.1 | 198.9 |
| 16 | BECK 5444VT3 | 31,500 | 57.3 | 0.0 | 18.1 | 195.8 |
| 17 | BECK 5816CBRR | 29,250 | 56.7 | 5.0 | 20.1 | 192.6 |
| 18 | BECK 5335HXR™** | 30,250 | 59.3 | 0.0 | 17.9 | 191.2 |
| 19 | BECK 5676™** | 28,750 | 57.7 | 1.5 | 20.6 | 180.6 |
| | AVERAGE | 32,066 | 56.2 | 15.6 | 19.8 | 206.3 |

*Bushels per acre corrected to 15% moisture. **XL Brand distributed by Beck's Superior Hybrids, Inc.

# Corn Rootworm Control Study – 2008

| RAINFALL | |
|---|---|
| April | 4.64 in. |
| May | 6.36 in. |
| June | 3.12 in. |
| July | 8.90 in. |
| August | 0.80 in. |
| Total | 23.82 in. |

**Planted:** April 30, 2008
**Harvested:** September 27, 2008
**Soil Type:** Ragsdale Silt Loam
**Population:** 34,000 seeds/A.

**Previous Crop:** Corn
**Tillage:** Fall Disc & Chisel / Field Cultivator
**Herbicide:** 3 qts. Degree Xtra
1 qt. Atrazine / 24 oz. Durango
**Insecticide:** 6 oz. Artic

**Purpose:** This study was established to compare the different insect control options available to producers. These controls include traited technologies such as VT3 for corn rootworm and corn borer control along with liquid insecticide applied directly to the seed with starter fertilizer. This study was also established to help monitor the movement of Western Corn Rootworm into Beck's southern marketing area.

| Yield Rank | Brand | Insecticide Treatment | Percent Moisture | Bushels* Per Acre |
|---|---|---|---|---|
| 1 | BECK 5555VT3 | FaSTart (Poncho 250) | 19.4 | 240.5 |
| 2 | BECK 5555VT3 | Poncho 1250 | 20.0 | 236.0 |
| 3 | BECK 5555RR | Force 3G | 19.1 | 232.8 |
| 4 | BECK 5555VT3 | Force 3G | 19.5 | 231.6 |
| 5 | BECK 5555RR | Poncho 1250 | 18.8 | 228.3 |
| 6 | BECK 5555RR | Maxim XL + Regent | 18.9 | 223.4 |
| 7 | BECK 5555RR | Maxim XL | 18.6 | 216.4 |
| 8 | BECK 5555RR | Maxim XL + Force 3G | 19.2 | 215.0 |
| 9 | BECK 5555RR | FaSTart (Poncho 250) | 19.1 | 214.7 |
| | AVERAGE | | 19.2 | 226.5 |

**Summary:** Just as in 2007, this year's study showed a significant advantage in using traited technology for controlling rootworms. Although midseason root digs showed no documented feeding, Western Corn Rootworm beetle populations were very high just after pollination. Although silk clipping was heavy, this study had completed pollination several days prior to beetle emergence. Minimal third generation corn borer feeding could be found within the plot, so corn borer pressure was not significant. BECK 5555VT3 with FaSTart out yielded its RR counterpart with FaStart by 25.3 Bu./A.! The two year average favors VT3 over the RR version by 22.4 Bu./A. Adding Force 3G did narrow the gap between the RR and VT3 versions to 7.7 Bu./A. while the RR version with Poncho 1250 was still 12.2 Bu./A. lower than the VT3 version. There was no yield advantage to using combinations of Poncho 1250 or Force 3G with the VT3 trait to provide multiple modes of action. There was no noticeable goose-necking in any of the RR entries that would suggest that any larvae feeding took place.