



2005 Strip Plot Variety Trials

ISU Grain Quality Laboratory

Results: Linn County

Hybrids are listed in order from highest to lowest yield.

| Company | Hybrid | Yield ¹ (Bu. / A.) | Value ² (\$ / A.) | Test Wt. ³ (lb. / Bu.) | Field Moisture ³ (%) | Protein (%) | Oil (%) | Starch (%) | Density (g. / cc) | EPVBF ⁴ (\$ / Bu.) | |
|-----------------------|------------|----------------------------------|---------------------------------|--------------------------------------|------------------------------------|----------------|------------|---------------|----------------------|----------------------------------|--|
| | | | | Long Term Iowa Averages: | | | 8.0 | 3.6 | 60.0 | 1.27 | |
| LG Seeds | LG-2540 BT | 204.7 | \$367.99 | 56.9 | 15.8 | 6.7 | 3.3 | 61.8 | 1.256 | \$1.70 | |
| New Horizon FS | 6485 BT | 203.1 | \$361.79 | 58.9 | 16.4 | 7.2 | 3.7 | 60.9 | 1.278 | \$1.77 | |
| AgriGold | 6395 BTRR | 197.4 | \$351.16 | 58.0 | 16.5 | 6.9 | 3.3 | 61.7 | 1.262 | \$1.71 | |
| Crows | 4704B | 195.0 | \$352.31 | 56.4 | 15.5 | 7.7 | 3.7 | 60.8 | 1.251 | \$1.81 | |
| NK | N60-B6 | 192.5 | \$345.59 | 56.5 | 15.9 | 6.7 | 3.3 | 62.1 | 1.254 | \$1.70 | |
| LG Seeds | LG-2633 BT | 190.4 | \$339.68 | 57.4 | 16.3 | 7.1 | 3.4 | 61.3 | 1.267 | \$1.74 | |
| Dekalb | DKC 61-72 | 190.4 | \$345.55 | 57.5 | 15.2 | 7.9 | 3.5 | 60.9 | 1.261 | \$1.80 | |
| Marks | O5113BT | 189.8 | \$327.74 | 57.6 | 18.4 | 7.2 | 3.7 | 60.8 | 1.253 | \$1.77 | |
| Pioneer | 33B51 | 189.5 | \$339.72 | 60.1 | 16.0 | 7.2 | 3.2 | 61.9 | 1.299 | \$1.73 | |
| Dyna Gro | 55F43 | 188.9 | \$342.76 | 56.7 | 15.2 | 7.2 | 3.8 | 62.0 | 1.255 | \$1.78 | |
| NK | N70-T9 | 188.7 | \$330.40 | 59.2 | 17.5 | 6.8 | 3.6 | 61.6 | 1.279 | \$1.74 | |
| Trelay/High Cycle | 5B739 | 188.3 | \$341.13 | 57.7 | 15.3 | 7.1 | 3.5 | 61.6 | 1.262 | \$1.75 | |
| Hermann's | H-116 | 187.5 | \$340.20 | 57.8 | 15.2 | 7.7 | 3.5 | 60.7 | 1.251 | \$1.79 | |
| Hermann's | H-126 | 186.9 | \$331.37 | 58.6 | 16.7 | 7.1 | 3.6 | 61.4 | 1.294 | \$1.76 | |
| Corn Belt | C-543 | 186.7 | \$335.71 | 58.9 | 15.8 | 7.7 | 3.4 | 61.3 | 1.276 | \$1.78 | |
| Pioneer | 34N44 | 185.8 | \$335.56 | 60.6 | 15.5 | 7.4 | 3.2 | 61.5 | 1.282 | \$1.74 | |
| Stine | 9703 YGCB | 184.7 | \$330.64 | 59.5 | 16.1 | 7.0 | 3.2 | 62.0 | 1.286 | \$1.71 | |
| Ag Venture | AV-8440 CB | 184.5 | \$327.21 | 57.4 | 16.7 | 7.4 | 3.3 | 61.4 | 1.257 | \$1.75 | |
| Rainbow | 3105 YG-CB | 183.5 | \$326.32 | 57.7 | 16.5 | 6.7 | 3.4 | 61.7 | 1.270 | \$1.71 | |
| Great Lakes | 5961 BT | 183.5 | \$328.94 | 57.4 | 16.0 | 6.8 | 3.4 | 61.5 | 1.252 | \$1.72 | |
| Ottillie RO | 4597 YGCB | 182.2 | \$330.07 | 59.4 | 15.3 | 7.2 | 3.3 | 61.7 | 1.263 | \$1.74 | |
| Garst | 8380 | 179.5 | \$319.75 | 58.1 | 16.4 | 7.7 | 3.4 | 60.7 | 1.264 | \$1.78 | |
| Dyna Gro | 57F67 | 177.1 | \$318.88 | 58.4 | 15.7 | 7.5 | 3.4 | 61.3 | 1.270 | \$1.77 | |
| AgriGold | XA4326 | 176.6 | \$317.09 | 57.3 | 15.9 | 8.0 | 3.6 | 60.9 | 1.294 | \$1.82 | |
| Stine | 9721 YGCB | 176.5 | \$307.67 | 56.5 | 17.8 | 7.6 | 3.2 | 61.1 | 1.263 | \$1.75 | |
| Cornelius | C-605YG | 176.2 | \$316.32 | 57.4 | 15.9 | 7.7 | 3.7 | 60.9 | 1.257 | \$1.81 | |
| Ag Venture | AV-8150 CB | 175.0 | \$317.62 | 56.3 | 15.2 | 7.3 | 3.2 | 61.4 | 1.245 | \$1.73 | |
| Rainbow | 3099 YG-VB | 174.6 | \$314.33 | 57.7 | 15.7 | 7.2 | 3.4 | 61.4 | 1.249 | \$1.79 | |
| Dekalb | DKC 57-84 | 173.8 | \$317.19 | 59.5 | 14.8 | 7.9 | 3.6 | 60.6 | 1.278 | \$1.83 | |
| Ottillie RO | 4577 YGCB | 172.7 | \$316.27 | 56.0 | 14.6 | 8.1 | 3.6 | 60.5 | 1.225 | \$1.78 | |
| Corn Belt | C-553 | 172.2 | \$313.93 | 57.4 | 14.9 | 7.4 | 3.4 | 61.6 | 1.250 | \$1.77 | |
| Trelay/High Cycle | 8B524 | 170.5 | \$295.23 | 57.1 | 18.2 | 7.6 | 3.8 | 60.1 | 1.249 | \$1.81 | |
| Golden Harvest | H-8920 | 169.4 | \$304.10 | 59.7 | 15.9 | 8.0 | 3.7 | 60.5 | 1.295 | \$1.83 | |
| Garst | 8535YG | 168.4 | \$299.06 | 57.5 | 16.6 | 7.5 | 3.5 | 61.1 | 1.267 | \$1.78 | |
| Fontanelle/High Cycle | 7638 YGCB | 167.3 | \$305.35 | 55.6 | 14.8 | 8.2 | 3.5 | 60.6 | 1.230 | \$1.82 | |
| Naylors | NS-7606 | 167.0 | \$302.10 | 58.6 | 15.4 | 7.1 | 3.4 | 61.5 | 1.262 | \$1.74 | |
| Crows | 4635B | 163.8 | \$294.52 | 57.3 | 15.8 | 7.3 | 3.6 | 61.4 | 1.261 | \$1.77 | |
| Naylors | NS-7703 | 162.9 | \$290.65 | 59.6 | 16.3 | 8.1 | 3.4 | 60.7 | 1.300 | \$1.81 | |
| Marks | O4111 | 162.5 | \$287.26 | 60.0 | 16.9 | 8.1 | 3.6 | 60.5 | 1.299 | \$1.83 | |
| Great Lakes | 6234 | 162.4 | \$291.08 | 57.4 | 16.0 | 7.7 | 3.1 | 61.3 | 1.268 | \$1.75 | |
| A+ Seed | 5107B | 160.1 | \$292.70 | 55.2 | 14.7 | 8.1 | 3.6 | 60.4 | 1.235 | \$1.83 | |
| Wyffels | W-8603 | 157.4 | \$274.34 | 58.4 | 17.8 | 7.5 | 3.4 | 60.9 | 1.278 | \$1.77 | |
| Cornelius | C-592 | 154.1 | \$278.31 | 57.0 | 15.5 | 8.2 | 3.4 | 60.7 | 1.258 | \$1.78 | |
| Kaltenberg | 6934 BT | 153.5 | \$275.21 | 59.5 | 16.0 | 7.4 | 3.5 | 61.1 | 1.267 | \$1.76 | |
| New Horizon FS | 6735 | 153.1 | \$272.77 | 59.8 | 16.4 | 8.1 | 3.4 | 60.8 | 1.303 | \$1.79 | |
| Wyffels | W-7260 | 151.2 | \$267.62 | 59.9 | 16.8 | 7.7 | 3.5 | 61.0 | 1.306 | \$1.82 | |
| Kaltenberg | K-6880 | 148.2 | \$264.37 | 58.9 | 16.3 | 8.4 | 3.7 | 60.1 | 1.285 | \$1.84 | |
| Laser | L8H59 BT | 146.6 | \$260.37 | 60.4 | 16.6 | 8.4 | 3.9 | 60.0 | 1.309 | \$1.82 | |
| A+ Seed | 5111B | 131.9 | \$235.37 | 57.9 | 16.3 | 7.8 | 3.5 | 60.7 | 1.278 | \$1.81 | |
| Fontanelle/High Cycle | 7886 YGCB | 121.8 | \$212.99 | 58.9 | 17.6 | 7.6 | 3.6 | 60.8 | 1.286 | \$1.82 | |

Check Variety Information: (average values for check strips)

| | | | | | | | | | | |
|-------------------|-------|-------|----------|------|------|-----|-----|------|-------|--------|
| Corn Belt (check) | C-595 | 143.6 | \$258.39 | 58.6 | 15.8 | 8.5 | 3.7 | 60.1 | 1.276 | \$1.81 |
|-------------------|-------|-------|----------|------|------|-----|-----|------|-------|--------|

| | | | | | | | | | |
|---------------------------------------|-------|----------|------|------|-----|-----|------|-------|--------|
| Averages⁵ | 174.2 | \$311.89 | 58.1 | 16.1 | 7.5 | 3.5 | 61.1 | 1.269 | \$1.77 |
| Standard Deviation⁵ | 17.4 | \$31.86 | 1.3 | 0.9 | 0.5 | 0.2 | 0.5 | 0.020 | \$0.04 |
| Maximum⁵ | 204.7 | \$367.99 | 60.6 | 18.4 | 8.4 | 3.9 | 62.1 | 1.309 | \$1.84 |
| Minimum⁵ | 121.8 | \$212.99 | 55.2 | 14.6 | 6.7 | 3.1 | 60.0 | 1.225 | \$1.70 |

YIELD, PROTEIN, OIL, STARCH, TEST WEIGHT AND DENSITY BASIS 15% MOISTURE.
VALUE IS GROSS REVENUE PER ACRE MINUS 2.75 CENTS/BU/PT. FOR DRYING.

DENSITY IS A MEASURE OF KERNEL HARDNESS.

¹ Yield is check-adjusted in plots with check strips.

² Value is determined by the current price for corn (\$1.82) and a drying charge.

³ Field moisture content and test weight data were provided by the participating plot operator.

⁴ EPVBF is the Estimated Processed Value per Bushel to be used for Feed. It is determined by grain quality

⁵ Averages, Standard Deviation, Maximum, and Minimum values were calculated from plot final results, not

Ingredient Prices for EPVBF

| | |
|-------------------------|------|
| Corn (\$ / bu.) | 1.82 |
| White Grease (\$ / lb.) | 0.17 |
| DDG (\$ / ton) | 70 |
| 48% Soy Meal (\$ / ton) | 165 |