



2003 Strip Plots

ISU Grain Quality Laboratory

Results: Black Hawk County Corn Strip Plot

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 | | |
| Great Lakes | 5961BT | 184.8 | \$365.12 | 56.4 | 18.8 | 8.3 | 3.8 | 58.7 | 1.24 | \$2.13 |
| Ottilie | 5006BT | 181.9 | \$351.40 | 57.3 | 20.4 | 8.2 | 4.0 | 59.6 | 1.23 | \$2.14 |
| LG Seeds | 2540BT | 181.3 | \$353.20 | 56.4 | 19.8 | 8.2 | 3.6 | 59.6 | 1.23 | \$2.10 |
| Ag Vantage FS | FS5634BT | 175.6 | \$341.49 | 57.5 | 19.9 | 9.0 | 4.0 | 59.0 | 1.24 | \$2.21 |
| Patriot | 50-921 | 172.7 | \$337.90 | 58.2 | 19.5 | 9.0 | 4.2 | 58.6 | 1.25 | \$2.24 |
| Northrup King | N60-B6 | 172.0 | \$345.44 | 54.1 | 17.6 | 7.6 | 3.3 | 60.5 | 1.24 | \$2.01 |
| Pioneer | 33B51 | 171.9 | \$332.08 | 60.4 | 20.4 | 8.3 | 3.5 | 59.6 | 1.29 | \$2.10 |
| Dekalb | 5784YG | 171.3 | \$348.31 | 59.1 | 16.7 | 8.5 | 3.6 | 59.8 | 1.27 | \$2.13 |
| Ag Vantage FS | FS5424 | 171.3 | \$343.54 | 54.5 | 17.7 | 7.6 | 3.7 | 60.8 | 1.24 | \$2.05 |
| Great Lakes | 6192 | 171.2 | \$346.59 | 55.7 | 17.0 | 8.4 | 3.8 | 59.1 | 1.25 | \$2.14 |
| Golden Harvest | H8673BT | 171.0 | \$337.81 | 56.1 | 18.8 | 8.7 | 4.0 | 59.0 | 1.22 | \$2.19 |
| Ag Venture | AV 743CB | 170.3 | \$339.29 | 55.6 | 18.2 | 8.4 | 3.8 | 59.8 | 1.23 | \$2.14 |
| Pioneer | 34H32 | 170.2 | \$346.59 | 61.3 | 16.6 | 8.6 | 3.0 | 60.8 | 1.30 | \$2.07 |
| Crows | 4911B | 170.0 | \$347.14 | 56.6 | 16.4 | 8.4 | 3.9 | 59.6 | 1.23 | \$2.15 |
| Asgrow | 702YG | 169.9 | \$328.64 | 59.7 | 20.3 | 8.6 | 3.8 | 59.1 | 1.27 | \$2.16 |
| Epley | 3630BT | 168.0 | \$320.38 | 58.5 | 21.3 | 8.0 | 3.6 | 59.9 | 1.25 | \$2.08 |
| Dekalb | 6016YG | 167.6 | \$334.73 | 58.4 | 18.0 | 7.9 | 3.2 | 60.6 | 1.26 | \$2.03 |
| Asgrow | 664 | 165.9 | \$331.38 | 58.8 | 18.0 | 8.5 | 3.3 | 60.5 | 1.29 | \$2.09 |
| Mycogen | 2E685 | 165.6 | \$332.58 | 57.9 | 17.6 | 8.5 | 3.7 | 59.9 | 1.25 | \$2.14 |
| Patriot | 4060 | 165.4 | \$330.90 | 58.6 | 17.9 | 8.6 | 3.8 | 59.9 | 1.24 | \$2.16 |
| Wyffels | 7273YG | 165.1 | \$331.67 | 56.9 | 17.6 | 7.7 | 4.6 | 59.8 | 1.23 | \$2.16 |
| LG Seeds | 2617BT | 163.9 | \$308.82 | 54.1 | 22.1 | 8.2 | 3.9 | 59.3 | 1.24 | \$2.13 |
| Epley | 3670BT | 162.8 | \$316.23 | 56.4 | 20.0 | 8.2 | 3.7 | 59.8 | 1.25 | \$2.11 |
| Golden Harvest | H9148BT | 162.7 | \$306.71 | 55.9 | 22.1 | 8.5 | 3.9 | 58.9 | 1.21 | \$2.16 |
| Ottilie | 5267BT | 162.7 | \$314.29 | 56.5 | 20.4 | 8.5 | 3.5 | 59.5 | 1.25 | \$2.12 |
| Ag Venture | AV 7601 | 161.8 | \$314.21 | 57.0 | 20.0 | 8.3 | 4.2 | 59.2 | 1.24 | \$2.17 |
| Trelay High Cycle | 7748BT | 161.7 | \$317.14 | 57.2 | 19.3 | 8.9 | 4.5 | 58.4 | 1.24 | \$2.26 |
| Wyffels | 6570YG | 160.1 | \$322.83 | 58.0 | 17.3 | 9.0 | 3.8 | 59.3 | 1.25 | \$2.19 |
| Garst | 8552YG | 158.8 | \$313.19 | 55.0 | 18.9 | 8.0 | 3.7 | 59.9 | 1.21 | \$2.09 |
| Northrup King | N70-F1 | 155.9 | \$299.42 | 57.6 | 20.8 | 8.8 | 3.8 | 58.9 | 1.25 | \$2.17 |
| Garst | 8454YG | 154.6 | \$304.64 | 56.5 | 19.0 | 8.3 | 3.7 | 59.4 | 1.25 | \$2.12 |
| Mycogen | 2R773 | 153.5 | \$290.16 | 58.5 | 21.9 | 8.2 | 3.7 | 59.1 | 1.26 | \$2.11 |
| Trelay High Cycle | 7807BT | 152.9 | \$297.00 | 54.2 | 20.0 | 9.1 | 3.8 | 58.6 | 1.22 | \$2.20 |
| Crows | 5366B | 151.7 | \$288.08 | 57.1 | 21.6 | 7.8 | 3.8 | 59.6 | 1.23 | \$2.08 |

Check Variety Information: (average values for check strips)

| | | | | | | | | | | |
|---------|-------|-------|----------|------|------|-----|-----|------|------|--------|
| Pioneer | 33P67 | 161.6 | \$314.60 | 61.5 | 19.8 | 8.5 | 3.4 | 59.5 | 1.30 | \$2.11 |
|---------|-------|-------|----------|------|------|-----|-----|------|------|--------|

| | | | | | | | | | |
|---------------------------------------|-------|----------|------|------|-----|-----|------|------|--------|
| Averages⁵ | 166.7 | \$327.61 | 57.1 | 19.2 | 8.4 | 3.8 | 59.5 | 1.25 | \$2.13 |
| Standard Deviation⁵ | 8.1 | \$19.31 | 1.7 | 1.7 | 0.4 | 0.3 | 0.6 | 0.02 | \$0.05 |
| Maximum⁵ | 184.8 | \$365.12 | 61.3 | 22.1 | 9.1 | 4.6 | 60.8 | 1.30 | \$2.26 |
| Minimum⁵ | 151.7 | \$288.08 | 54.1 | 16.4 | 7.6 | 3.0 | 58.4 | 1.21 | \$2.01 |

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 (\$2.08) 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 and the current market price for feed ingredients.

⁵ Averages, Standard Deviation, Maximum, and Minimum values were calculated from plot final results, not including check strips (where applicable).

Ingredient Prices for EPVBF

| | |
|-------------------------|------|
| Corn (\$ / bu.) | 2.08 |
| White Grease (\$ / lb.) | 0.19 |
| DDG (\$ / ton) | 95 |
| 48% Soy Meal (\$ / ton) | 205 |