



# 2004 Strip Plots

ISU Grain Quality Laboratory

## Results: Wright County Corn Plot

Hybrids are listed in order from highest to lowest yield.

| Company  | Hybrid    | Yield <sup>1</sup><br>( Bu. / A. ) | Value <sup>2</sup><br>( \$ / A. ) | Test Wt. <sup>3</sup><br>( lb. / Bu. ) | Field Moisture <sup>3</sup><br>( % ) | Protein<br>( % ) | Oil<br>( % ) | Starch<br>( % ) | Density<br>( g. / cc ) | EPVBF <sup>4</sup><br>( \$ / Bu. ) |  |
|--|-----------|------------------------------------|-----------------------------------|--|--------------------------------------|------------------|--------------|-----------------|------------------------|------------------------------------|--|
|  |           |                                    |                                   | <b>Long Term Iowa Averages:</b>        |                                      |                  | <b>8.0</b>   | <b>3.6</b>      | <b>60.0</b>            | <b>1.27</b>                        |  |
| Croplan  | 599       | 220.7                              | \$360.44                          | 56.2                                   | 21.8                                 | 7.2              | 3.8          | 61.8            | 1.28                   | \$1.78                             |  |
| NK   | N65-N7    | 213.6                              | \$344.07                          | 54.4                                   | 22.6                                 | 7.2              | 3.5          | 61.7            | 1.26                   | \$1.76                             |  |
| PSA  | 7662 YG   | 208.5                              | \$329.06                          | 54.8                                   | 23.8                                 | 7.3              | 3.7          | 61.3            | 1.26                   | \$1.78                             |  |
| Cornelius  | 417 YG    | 207.3                              | \$342.45                          | 55.3                                   | 21.1                                 | 7.3              | 4.1          | 61.1            | 1.25                   | \$1.82                             |  |
| NK   | N50-P5 YG | 205.0                              | \$345.45                          | 55.2                                   | 19.9                                 | 7.3              | 4.0          | 61.8            | 1.27                   | \$1.81                             |  |
| Cornelius  | 592       | 205.0                              | \$333.07                          | 54.1                                   | 22.1                                 | 7.4              | 3.7          | 61.2            | 1.24                   | \$1.79                             |  |
| Stine  | 9620 YG   | 203.8                              | \$332.31                          | 53.2                                   | 21.9                                 | 7.2              | 3.6          | 62.2            | 1.24                   | \$1.77                             |  |
| NK   | N59-Q9    | 203.0                              | \$337.61                          | 56.4                                   | 20.7                                 | 7.3              | 3.7          | 61.3            | 1.27                   | \$1.78                             |  |
| PSA  | 8461      | 202.8                              | \$321.15                          | 53.9                                   | 23.6                                 | 7.2              | 3.6          | 61.9            | 1.26                   | \$1.77                             |  |
| Croplan  | 503 YG    | 202.5                              | \$340.79                          | 56.3                                   | 20.0                                 | 7.3              | 3.8          | 61.5            | 1.27                   | \$1.79                             |  |
| LG   | 2540 YG   | 202.5                              | \$322.87                          | 53.5                                   | 23.2                                 | 7.3              | 3.6          | 61.6            | 1.25                   | \$1.77                             |  |
| Asgrow   | 752 YG    | 202.4                              | \$317.19                          | 54.8                                   | 24.2                                 | 7.3              | 3.5          | 60.9            | 1.26                   | \$1.76                             |  |
| PSA  | 7547 YG   | 202.3                              | \$337.08                          | 55.6                                   | 20.6                                 | 7.3              | 3.8          | 61.2            | 1.27                   | \$1.79                             |  |
| NK   | N60-B6 YG | 202.0                              | \$327.02                          | 54.4                                   | 22.3                                 | 7.1              | 3.5          | 62.2            | 1.26                   | \$1.75                             |  |
| LG   | 2513 YG   | 201.6                              | \$338.69                          | 57.4                                   | 20.1                                 | 7.4              | 3.7          | 61.4            | 1.27                   | \$1.79                             |  |
| Middlekoop   | 3311 YG   | 201.0                              | \$322.18                          | 53.9                                   | 22.9                                 | 7.0              | 3.6          | 62.0            | 1.26                   | \$1.75                             |  |
| Cornelius  | 407       | 200.6                              | \$333.70                          | 54.9                                   | 20.7                                 | 6.9              | 3.8          | 62.2            | 1.27                   | \$1.76                             |  |
| Stine @ 28,500   | 9720 YG   | 200.1                              | \$309.69                          | 53.5                                   | 24.9                                 | 7.2              | 3.6          | 61.2            | 1.25                   | \$1.77                             |  |
| LG   | 2540      | 199.4                              | \$322.37                          | 53.3                                   | 22.4                                 | 7.8              | 3.8          | 61.7            | 1.26                   | \$1.82                             |  |
| Cornelius  | 590 YG    | 198.9                              | \$323.11                          | 54.5                                   | 22.1                                 | 7.5              | 3.7          | 61.7            | 1.25                   | \$1.80                             |  |
| Cornelius  | 443 YG    | 198.6                              | \$332.54                          | 57.1                                   | 20.3                                 | 7.3              | 3.8          | 61.5            | 1.27                   | \$1.79                             |  |
| Cornelius  | 377 YG    | 198.0                              | \$339.62                          | 57.5                                   | 18.8                                 | 7.2              | 3.6          | 61.9            | 1.27                   | \$1.77                             |  |
| Stine @ 27,500   | 9720 YG   | 197.5                              | \$305.62                          | 54.0                                   | 24.9                                 | 7.5              | 3.6          | 61.3            | 1.25                   | \$1.79                             |  |
| Dekalb   | 52-45 YG  | 197.0                              | \$339.12                          | 55.1                                   | 18.6                                 | 7.0              | 3.8          | 62.0            | 1.24                   | \$1.77                             |  |
| Stine  | 103-A YG  | 197.0                              | \$327.12                          | 55.0                                   | 20.8                                 | 7.2              | 3.5          | 62.2            | 1.25                   | \$1.76                             |  |
| Dekalb   | 60-16 YG  | 196.4                              | \$313.73                          | 55.2                                   | 23.1                                 | 7.2              | 3.3          | 61.8            | 1.26                   | \$1.74                             |  |
| Croplan  | 601 YG    | 195.4                              | \$327.14                          | 57.1                                   | 20.3                                 | 7.4              | 3.7          | 61.1            | 1.27                   | \$1.79                             |  |
| Dekalb   | 53-32 YG  | 194.8                              | \$333.15                          | 55.5                                   | 19.0                                 | 7.1              | 3.7          | 61.9            | 1.26                   | \$1.77                             |  |
| Middlekoop   | 2212      | 194.8                              | \$312.27                          | 55.4                                   | 22.9                                 | 7.4              | 3.8          | 61.4            | 1.28                   | \$1.80                             |  |
| Asgrow   | 499 YG    | 194.7                              | \$331.80                          | 56.7                                   | 19.2                                 | 6.9              | 3.8          | 61.9            | 1.28                   | \$1.76                             |  |
| Cornelius  | 443       | 194.4                              | \$326.59                          | 56.5                                   | 20.1                                 | 7.3              | 3.8          | 61.4            | 1.27                   | \$1.79                             |  |
| Middlekoop   | 3310 YG   | 194.3                              | \$312.01                          | 54.4                                   | 22.8                                 | 7.2              | 3.5          | 61.6            | 1.25                   | \$1.76                             |  |
| Croplan  | 501 YG    | 194.1                              | \$330.86                          | 54.9                                   | 19.2                                 | 7.5              | 4.0          | 61.3            | 1.26                   | \$1.82                             |  |
| Dekalb   | 51-51 YG  | 194.0                              | \$333.81                          | 58.3                                   | 18.6                                 | 7.0              | 3.6          | 61.9            | 1.29                   | \$1.75                             |  |
| Croplan  | 541 YG    | 193.6                              | \$326.86                          | 59.0                                   | 19.8                                 | 7.6              | 3.6          | 61.0            | 1.30                   | \$1.79                             |  |
| Middlekoop   | 3313 YG   | 193.6                              | \$312.49                          | 56.3                                   | 22.5                                 | 7.3              | 4.0          | 61.0            | 1.27                   | \$1.81                             |  |
| NK   | N45-A6 YG | 193.5                              | \$334.64                          | 55.2                                   | 18.3                                 | 7.1              | 3.9          | 61.5            | 1.25                   | \$1.79                             |  |
| Stine  | 105-A     | 193.3                              | \$302.91                          | 53.7                                   | 24.2                                 | 7.5              | 4.1          | 61.0            | 1.25                   | \$1.83                             |  |
| Cornelius  | 572       | 192.9                              | \$318.65                          | 54.9                                   | 21.1                                 | 7.0              | 3.3          | 62.4            | 1.27                   | \$1.73                             |  |
| Dekalb   | 50-18 YG  | 192.4                              | \$332.68                          | 56.5                                   | 18.3                                 | 7.1              | 3.5          | 62.0            | 1.26                   | \$1.75                             |  |
| Croplan  | 516 YG    | 192.2                              | \$328.63                          | 57.7                                   | 19.0                                 | 7.3              | 3.6          | 61.6            | 1.28                   | \$1.77                             |  |
| Stine  | 108-A YG  | 191.9                              | \$302.26                          | 54.2                                   | 23.9                                 | 7.6              | 3.6          | 61.4            | 1.25                   | \$1.79                             |  |
| Middlekoop   | 2211      | 191.6                              | \$309.22                          | 53.0                                   | 22.5                                 | 7.1              | 3.8          | 62.2            | 1.24                   | \$1.78                             |  |
| Middlekoop   | 3306 YG   | 191.4                              | \$320.95                          | 55.7                                   | 20.2                                 | 7.0              | 3.8          | 61.9            | 1.27                   | \$1.77                             |  |
| LG   | 2533 YG   | 191.3                              | \$308.17                          | 54.9                                   | 22.6                                 | 7.1              | 3.6          | 62.0            | 1.26                   | \$1.76                             |  |
| Middlekoop   | 1206      | 191.3                              | \$318.73                          | 56.2                                   | 20.6                                 | 6.8              | 4.0          | 61.7            | 1.26                   | \$1.77                             |  |
| Stine  | 108-B YG  | 191.2                              | \$310.13                          | 50.9                                   | 22.2                                 | 7.6              | 3.9          | 59.6            | 1.22                   | \$1.82                             |  |
| Dekalb   | 58-78 YG  | 189.8                              | \$316.81                          | 57.2                                   | 20.5                                 | 7.4              | 3.8          | 61.3            | 1.28                   | \$1.80                             |  |
| NK   | N46-J7    | 189.1                              | \$326.54                          | 56.2                                   | 18.4                                 | 7.8              | 4.0          | 61.0            | 1.27                   | \$1.84                             |  |
| Dekalb   | 52-21 YG  | 188.2                              | \$325.46                          | 56.3                                   | 18.3                                 | 7.1              | 4.0          | 61.5            | 1.27                   | \$1.79                             |  |
| Middlekoop   | 1207      | 187.7                              | \$314.69                          | 56.4                                   | 20.2                                 | 7.2              | 3.6          | 61.4            | 1.26                   | \$1.77                             |  |
| PSA  | 7551 IT   | 187.7                              | \$296.69                          | 53.6                                   | 23.7                                 | 7.2              | 3.6          | 62.0            | 1.24                   | \$1.77                             |  |
| Stine @ 30,500   | 9720 YG   | 186.4                              | \$289.50                          | 53.9                                   | 24.7                                 | 7.3              | 3.4          | 61.7            | 1.25                   | \$1.76                             |  |
| Stine  | 107-D     | 185.9                              | \$287.23                          | 53.2                                   | 25.0                                 | 7.5              | 3.6          | 61.0            | 1.26                   | \$1.79                             |  |
| Stine  | 107-C YG  | 185.0                              | \$286.84                          | 53.3                                   | 24.8                                 | 7.3              | 3.6          | 60.8            | 1.24                   | \$1.77                             |  |
| PSA  | 7324 YG   | 183.9                              | \$311.39                          | 54.2                                   | 19.6                                 | 7.2              | 3.5          | 62.1            | 1.27                   | \$1.76                             |  |
| Stine  | 9621      | 183.1                              | \$276.41                          | 54.1                                   | 26.3                                 | 7.5              | 3.7          | 60.7            | 1.25                   | \$1.80                             |  |
| Croplan  | 441 YG    | 182.4                              | \$311.37                          | 56.3                                   | 19.1                                 | 7.3              | 3.8          | 61.7            | 1.27                   | \$1.79                             |  |
| Croplan  | 543 YG    | 180.1                              | \$308.03                          | 57.1                                   | 19.0                                 | 7.2              | 4.1          | 61.4            | 1.28                   | \$1.81                             |  |
| PSA  | 4505 YG   | 176.1                              | \$281.76                          | 55.2                                   | 23.0                                 | 7.4              | 3.6          | 61.6            | 1.24                   | \$1.78                             |  |
| Check Variety Information: (average values for check strips) |           |                                    |                                   |  |                                      |                  |              |                 |                        |                                    |  |
| NK   | N59-Q9    | 200.7                              | \$328.43                          | 56.1                                   | 21.7                                 | 7.3              | 3.7          | 61.6            | 1.28                   | \$1.78                             |  |

| <b>Averages<sup>5</sup></b>  | 195.5 | \$321.08 | 55.2 | 21.5 | 7.3 | 3.7                                | 61.5 | 1.26 | \$1.78 |
|--|-------|----------|------|------|-----|------------------------------------|------|------|--------|
| <b>Standard Deviation<sup>5</sup></b>  | 8.0   | \$16.69  | 1.5  | 2.1  | 0.2 | 0.2                                | 0.5  | 0.01 | \$0.02 |
| <b>Maximum<sup>5</sup></b>   | 220.7 | \$360.44 | 59.0 | 26.3 | 7.8 | 4.1                                | 62.4 | 1.30 | \$1.84 |
| <b>Minimum<sup>5</sup></b>   | 176.1 | \$276.41 | 50.9 | 18.3 | 6.8 | 3.3                                | 59.6 | 1.22 | \$1.73 |
| <b>YIELD, PROTEIN, OIL, STARCH, TEST WEIGHT AND DENSITY BASIS 15% MOISTURE.</b>  |       |          |      |      |     | <b>Ingredient Prices for EPVBF</b> |      |      |        |
| <b>VALUE IS GROSS REVENUE PER ACRE MINUS 2.75 CENTS/BU/PT. FOR DRYING.</b>   |       |          |      |      |     | Corn (\$ / bu.) 1.82               |      |      |        |
| <b>DENSITY IS A MEASURE OF KERNEL HARDNESS.</b>  |       |          |      |      |     | White Grease (\$ / lb.) 0.155      |      |      |        |
| <sup>1</sup> Yield is check-adjusted in plots with check strips.   |       |          |      |      |     | DDG (\$ / ton) 100                 |      |      |        |
| <sup>2</sup> Value is determined by the current price for corn (\$1.82) and a drying charge.   |       |          |      |      |     | 48% Soy Meal (\$ / ton) 160        |      |      |        |
| <sup>3</sup> Field moisture content and test weight data were provided by the participating plot operator.   |       |          |      |      |     |                                    |      |      |        |
| <sup>4</sup> 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. |       |          |      |      |     |                                    |      |      |        |
| <sup>5</sup> Averages, Standard Deviation, Maximum, and Minimum values were calculated from plot final results, not including check strips (where applicable).           |       |          |      |      |     |                                    |      |      |        |
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