



2018 Soybean Variety Trial

Central Lakes College Ag and Energy Center



Stand Counts: 6/6/2018
Planted: 5/11/2018
Population: 140,000

Double white flags in 1st row of 1st variety and on last row of last variety.

| | Company | Variety | Maturity | Row 2 | Row 3 | Average |
|----|------------------------|-----------|----------|-------|-------|---------|
| 1 | Integra Seed | 51449N | 1.4 | 126 | 115 | 120.5 |
| 2 | Integra Seed | 21308N | 1.3 | 124 | 97 | 110.5 |
| 3 | Wensman Seed | C1337RX | 1.2 | 120 | 106 | 113 |
| 4 | Integra Seed | 51229N | 1.2 | 122 | 92 | 107 |
| 5 | Dahlman Seed | 6811XN | 1.1 | 115 | 128 | 121.5 |
| 6 | Wensman Seed | LGS1018RX | 1 | 122 | 116 | 119 |
| 7 | Integra Seed | 20915N | 0.9 | 142 | 142 | 142 |
| 8 | Wensman Seed | LGS0962RX | 0.9 | 116 | 96 | 106 |
| 9 | Dahlman Seed | 6909XN | 0.9 | 115 | 108 | 111.5 |
| 10 | CHS-Allegiant | 09R08N | 0.9 | 108 | 117 | 112.5 |
| 11 | Renk | RS096NR2 | 0.9 | 122 | 124 | 123 |
| 12 | Wolf River Valley Seed | 2808 | 0.8 | 120 | 124 | 122 |
| 13 | Wensman Seed | C0850R2 | 0.8 | 117 | 116 | 116.5 |
| 14 | Renk | RS084NR2 | 0.8 | 118 | 97 | 107.5 |
| 15 | Wensman Seed | LGS0774RX | 0.7 | 119 | 123 | 121 |
| 16 | Renk | RS078NX | 0.7 | 129 | 128 | 128.5 |
| 17 | Dahlman Seed | 6806XN | 0.6 | 120 | 115 | 117.5 |
| 18 | CHS-Allegiant | 06X07N | 0.6 | 108 | 131 | 119.5 |
| 19 | Integra Seed | 50539N | 0.5 | 115 | 110 | 112.5 |
| 20 | Renk | RS058NX | 0.5 | 121 | 115 | 118 |
| 21 | CHS-Allegiant | 04X08N | 0.4 | 108 | 112 | 110 |
| 22 | Renk | RS039NX | 0.3 | 132 | 119 | 125.5 |
| 23 | Wensman Seed | LGS0230R2 | 0.2 | 131 | 126 | 128.5 |

North ↑



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As Planted List

Stand Counts: 6/6/2018
Planted: 5/11/2018
Population: 140,000
Harvested: 10/17/2018
Fertilizer: Applied Preplant 10-10-45-10
Herbicide: Outlook 10 oz Pre and Roundup 1 qt. Post
Irrigation: 3.7 inches applied through linear system
Tillage: Fall rip, Spring mulch finisher

| | Row Length | Row Width | # of Rows | | |
|-------|------------|-----------|-----------|-------------|-------|
| 1-12 | 531.5 | 30 | 4 | Max: | 69.45 |
| 13-23 | 531 | | | Min: | 47.03 |
| | | | | Avg: | 63.93 |

| | Company | Variety | Maturity | Moisture | Test Wt. | Total Wt. | Yield |
|----|------------------------|-----------|----------|----------|----------|-----------|-------|
| 1 | Integra Seed | 51449N | 1.4 | 14.3 | 57.4 | 500 | 67.27 |
| 2 | Integra Seed | 21308N | 1.3 | 14.1 | 58.6 | 515 | 69.45 |
| 3 | Wensman Seed | C1337RX | 1.2 | 14.8 | 56.6 | 430 | 57.52 |
| 4 | Integra Seed | 51229N | 1.2 | 21.6 | 53.0 | 525 | 64.62 |
| 5 | Dahlman Seed | 6811XN | 1.1 | 13.9 | 57.4 | 485 | 65.56 |
| 6 | Wensman Seed | LGS1018RX | 1 | 13.7 | 56.8 | 475 | 64.36 |
| 7 | Integra Seed | 20915N | 0.9 | 13.9 | 57.0 | 505 | 68.26 |
| 8 | Wensman Seed | LGS0962RX | 0.9 | 13.7 | 57.4 | 445 | 60.29 |
| 9 | Dahlman Seed | 6909XN | 0.9 | 13.8 | 57.2 | 470 | 63.61 |
| 10 | CHS-Allegiant | 09R08N | 0.9 | 14.1 | 57.2 | 490 | 66.08 |
| 11 | Renk | RS096NR2 | 0.9 | 13.8 | 57.3 | 475 | 64.28 |
| 12 | Wolf River Valley Seed | 2808 | 0.8 | 13.7 | 57.6 | 485 | 65.71 |
| 13 | Wensman Seed | C0850R2 | 0.8 | 13.7 | 56.9 | 505 | 68.49 |
| 14 | Renk | RS084NR2 | 0.8 | 14.0 | 57.1 | 495 | 66.90 |
| 15 | Wensman Seed | LGS0774RX | 0.7 | 13.8 | 57.0 | 470 | 63.67 |
| 16 | Renk | RS078NX | 0.7 | 13.4 | 55.6 | 485 | 66.00 |
| 17 | Dahlman Seed | 6806XN | 0.6 | 13.7 | 56.3 | 480 | 65.10 |
| 18 | CHS-Allegiant | 06X07N | 0.6 | 13.8 | 56.5 | 475 | 64.34 |
| 19 | Integra Seed | 50539N | 0.5 | 13.1 | 55.7 | 450 | 61.45 |
| 20 | Renk | RS058NX | 0.5 | 13.3 | 56.3 | 475 | 64.72 |
| 21 | CHS-Allegiant | 04X08N | 0.4 | 13.3 | 56.5 | 455 | 61.99 |
| 22 | Renk | RS039NX | 0.3 | 13.7 | 56.5 | 470 | 63.74 |
| 23 | Wensman Seed | LGS0230R2 | 0.2 | 14.5 | 58.0 | 350 | 47.03 |

↑
 North



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Sorted by Yield

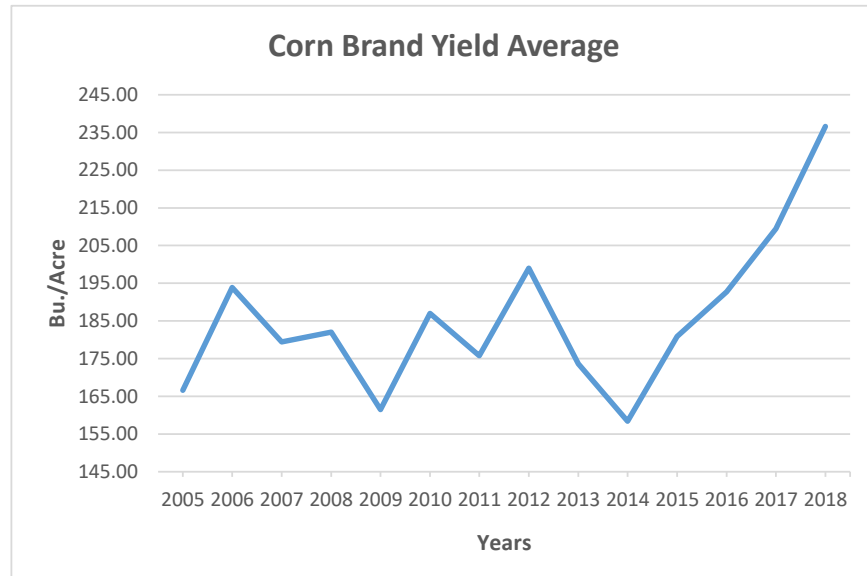
Stand Counts: 6/6/2018
Planted: 5/11/2018
Population: 140,000
Harvested: 10/17/2018
Fertilizer: Applied Preplant 10-10-45-10
Herbicide: Outlook 10 oz Pre and Roundup 1 qt. Post
Irrigation: 3.7 inches applied through linear system
Tillage: Fall rip, Spring mulch finisher

| | | | | | |
|--------------|-------------------|------------------|------------------|-------------|-------|
| | Row Length | Row Width | # of Rows | Max: | 69.45 |
| 1-12 | 531.5 | 30 | 4 | Min: | 47.03 |
| 13-23 | 531 | | | Avg: | 63.93 |

| | Company | Variety | Maturity | Moisture | Test Wt. | Total Wt. | Yield |
|----|------------------------|-----------|----------|----------|----------|-----------|-------|
| 1 | Integra Seed | 21308N | 1.3 | 14.1 | 58.6 | 515 | 69.45 |
| 2 | Wensman Seed | C0850R2 | 0.8 | 13.7 | 56.9 | 505 | 68.49 |
| 3 | Integra Seed | 20915N | 0.9 | 13.9 | 57.0 | 505 | 68.26 |
| 4 | Integra Seed | 51449N | 1.4 | 14.3 | 57.4 | 500 | 67.27 |
| 5 | Renk | RS084NR2 | 0.8 | 14.0 | 57.1 | 495 | 66.90 |
| 6 | CHS-Allegiant | 09R08N | 0.9 | 14.1 | 57.2 | 490 | 66.08 |
| 7 | Renk | RS078NX | 0.7 | 13.4 | 55.6 | 485 | 66.00 |
| 8 | Wolf River Valley Seed | 2808 | 0.8 | 13.7 | 57.6 | 485 | 65.71 |
| 9 | Dahlman Seed | 6811XN | 1.1 | 13.9 | 57.4 | 485 | 65.56 |
| 10 | Dahlman Seed | 6806XN | 0.6 | 13.7 | 56.3 | 480 | 65.10 |
| 11 | Renk | RS058NX | 0.5 | 13.3 | 56.3 | 475 | 64.72 |
| 12 | Integra Seed | 51229N | 1.2 | 21.6 | 53.0 | 525 | 64.62 |
| 13 | Wensman Seed | LGS1018RX | 1 | 13.7 | 56.8 | 475 | 64.36 |
| 14 | CHS-Allegiant | 06X07N | 0.6 | 13.8 | 56.5 | 475 | 64.34 |
| 15 | Renk | RS096NR2 | 0.9 | 13.8 | 57.3 | 475 | 64.28 |
| 16 | Renk | RS039NX | 0.3 | 13.7 | 56.5 | 470 | 63.74 |
| 17 | Wensman Seed | LGS0774RX | 0.7 | 13.8 | 57.0 | 470 | 63.67 |
| 18 | Dahlman Seed | 6909XN | 0.9 | 13.8 | 57.2 | 470 | 63.61 |
| 19 | CHS-Allegiant | 04X08N | 0.4 | 13.3 | 56.5 | 455 | 61.99 |
| 20 | Integra Seed | 50539N | 0.5 | 13.1 | 55.7 | 450 | 61.45 |
| 21 | Wensman Seed | LGS0962RX | 0.9 | 13.7 | 57.4 | 445 | 60.29 |
| 22 | Wensman Seed | C1337RX | 1.2 | 14.8 | 56.6 | 430 | 57.52 |
| 23 | Wensman Seed | LGS0230R2 | 0.2 | 14.5 | 58.0 | 350 | 47.03 |

Corn and Soybean Brand Yield Averages Throughout the Years

| Historical Corn Averages | | | | |
|--------------------------|----------|------------|--------|----------------|
| | Test Wt. | % Moisture | Yield | Adjusted Yield |
| 2005 | 54.00 | 21.20 | 166.60 | 173.80 |
| 2006 | 56.00 | 19.40 | 193.90 | 187.80 |
| 2007 | 55.00 | 19.40 | 179.40 | 179.30 |
| 2008 | 52.00 | 22.30 | 182.00 | 182.10 |
| 2009 | 48.00 | 30.50 | 161.50 | 161.40 |
| 2010 | 56.50 | 17.80 | 187.00 | 187.00 |
| 2011 | 56.00 | 17.00 | 175.80 | 175.70 |
| 2012 | 59.00 | 15.50 | 199.00 | 199.10 |
| 2013 | 54.00 | 21.20 | 173.60 | 173.60 |
| 2014 | 54.00 | 13.90 | 158.40 | 158.30 |
| 2015 | 57.00 | 18.60 | 180.90 | 181.30 |
| 2016 | 55.00 | 20.20 | 192.70 | 192.50 |
| 2017 | 54.10 | 19.10 | 209.50 | 208.60 |
| 2018 | 53.70 | 21.90 | 236.60 | 236.30 |



| | Test Wt. | % Moisture | Yield |
|------|----------|------------|-------|
| 2005 | 57.26 | 12.89 | 56.15 |
| 2006 | 56.57 | 13.88 | 58.53 |
| 2007 | 56.75 | 13.00 | 50.09 |
| 2008 | 56.91 | 15.49 | 49.69 |
| 2009 | 55.78 | 17.01 | 43.95 |
| 2010 | 56.60 | 11.37 | 61.95 |
| 2011 | 57.80 | 8.60 | 49.93 |
| 2012 | 56.68 | 9.98 | 61.72 |
| 2013 | 56.85 | 12.21 | 52.07 |
| 2014 | 55.95 | 10.54 | 46.01 |
| 2015 | 57.14 | 10.70 | 58.43 |
| 2016 | 56.98 | 13.37 | 54.92 |
| 2017 | 55.81 | 11.60 | 41.82 |
| 2018 | 56.78 | 14.16 | 63.93 |

