

# 2018 White County, IL Crop Tour

## Overall White County Survey Results

August 29, 2018

|                     | 2018         | 2017  | 2016  | 2015  | 2014  | 2013  | 2012 | 2011  | 2010  | 2009  | 2008  |
|---------------------|--------------|-------|-------|-------|-------|-------|------|-------|-------|-------|-------|
| USDA Yield Estimate | ?            | 179.5 | 134.3 | 171.3 | 195.3 | 178.0 | 67.6 | 135.6 | 152.4 | 153.0 | 149.5 |
| Crop Tour Estimate  | <b>160.3</b> | 159.6 | 155.4 | 150.7 | 161.8 | 156.3 | 58.3 | 141.4 | 153.9 | 140.8 | 145.2 |

### 2018 Average Yield by Township

| TOWNSHIP        | bu/ac        |
|-----------------|--------------|
| Burnt Prairie   | <b>173.8</b> |
| Carmi           | <b>164.0</b> |
| Emma            | <b>170.6</b> |
| Enfield         | <b>147.6</b> |
| Gray            | <b>137.7</b> |
| Hawthorne       | <b>178.6</b> |
| Heralds Prairie | <b>158.6</b> |
| Indian Creek    | <b>144.5</b> |
| Mill Shoals     | <b>166.1</b> |
| Phillips        | <b>161.9</b> |

### 2018 Yield Component Averages

| TOWNSHIP        | GRAIN LENGTH | KERNEL ROWS | # EARS / ACRE | % EARS / STALK |
|-----------------|--------------|-------------|---------------|----------------|
| Burnt Prairie   | 7.3          | 16.5        | 27,966        | 95%            |
| Carmi           | 7.8          | 16.2        | 25,381        | 93%            |
| Emma            | 6.9          | 16.7        | 28,653        | 98%            |
| Enfield         | 6.8          | 16.1        | 26,514        | 94%            |
| Gray            | 6.8          | 15.2        | 26,223        | 95%            |
| Hawthorne       | 7.2          | 17.2        | 27,842        | 96%            |
| Heralds Prairie | 7.0          | 16.9        | 26,354        | 95%            |
| Indian Creek    | 7.2          | 16.3        | 23,885        | 95%            |
| Mill Shoals     | 7.7          | 16.1        | 26,194        | 97%            |
| Phillips        | 6.6          | 16.5        | 28,779        | 97%            |

**AVERAGE FOR ALL SAMPLES 7.1 16.4 26,779 96%**



# 2018 White County, IL Crop Tour

## Individual sample results by township

August 29, 2018

### BURNT PRAIRIE

| Location                | Stalks in 60' | Ears in 60' | Avg. Inches of Grain | Avg. Kernel Rows | Row Spacing in Inches | Indicated Yield per Acre | Plant Population | Ear Population | Ear to Stalk Ratio |
|-------------------------|---------------|-------------|----------------------|------------------|-----------------------|--------------------------|------------------|----------------|--------------------|
| 1                       | 82            | 75          | 8.50                 | 16.60            | 30                    | 158.7                    | 23,813           | 21,780         | 91%                |
| 2                       | 99            | 93          | 7.60                 | 15.30            | 30                    | 162.2                    | 28,750           | 27,007         | 94%                |
| 3                       | 113           | 106         | 6.60                 | 17.30            | 30                    | 181.5                    | 32,815           | 30,782         | 94%                |
| 4                       | 112           | 107         | 6.50                 | 16.60            | 30                    | 173.2                    | 32,525           | 31,073         | 96%                |
| 5                       | 110           | 107         | 7.80                 | 15.30            | 30                    | 191.5                    | 31,944           | 31,073         | 97%                |
| 6                       | 104           | 98          | 7.33                 | 15.30            | 30                    | 164.9                    | 30,202           | 28,459         | 94%                |
| 7                       | 112           | 105         | 7.00                 | 18.00            | 30                    | 198.5                    | 32,525           | 30,492         | 94%                |
| 8                       | 76            | 74          | 7.50                 | 16.00            | 30                    | 133.2                    | 22,070           | 21,490         | 97%                |
| 9                       | 103           | 100         | 7.50                 | 16.60            | 30                    | 186.8                    | 29,911           | 29,040         | 97%                |
| 10                      | 100           | 98          | 7.10                 | 18.00            | 30                    | 187.9                    | 29,040           | 28,459         | 98%                |
| <b>TOWNSHIP AVERAGE</b> |               |             | <b>7.3</b>           | <b>16.5</b>      | <b>30.0</b>           | <b>173.8</b>             | <b>29,359</b>    | <b>27,966</b>  | <b>95%</b>         |

### CARMI

| Location                | Stalks in 60' | Ears in 60' | Avg. Inches of Grain | Avg. Kernel Rows | Row Spacing in Inches | Indicated Yield per Acre | Plant Population | Ear Population | Ear to Stalk Ratio |
|-------------------------|---------------|-------------|----------------------|------------------|-----------------------|--------------------------|------------------|----------------|--------------------|
| 1                       | 108           | 108         | 8.25                 | 16.00            | 30                    | 213.8                    | 31,363           | 31,363         | 100%               |
| 2                       | 87            | 87          | 8.00                 | 14.00            | 30                    | 146.2                    | 25,265           | 25,265         | 100%               |
| 3                       | 108           | 105         | 6.75                 | 16.00            | 30                    | 170.1                    | 31,363           | 30,492         | 97%                |
| 4                       | 92            | 89          | 7.50                 | 16.00            | 30                    | 160.2                    | 26,717           | 25,846         | 97%                |
| 5                       | 79            | 75          | 7.50                 | 18.00            | 30                    | 151.9                    | 22,942           | 21,780         | 95%                |
| 6                       | 85            | 82          | 8.00                 | 16.00            | 30                    | 157.4                    | 24,684           | 23,813         | 96%                |
| 7                       | 104           | 85          | 8.00                 | 16.00            | 30                    | 163.2                    | 30,202           | 24,684         | 82%                |
| 8                       | 96            | 74          | 8.50                 | 16.00            | 30                    | 151.0                    | 27,878           | 21,490         | 77%                |
| 9                       | 99            | 90          | 6.00                 | 18.00            | 30                    | 145.8                    | 28,750           | 26,136         | 91%                |
| 10                      | 82            | 79          | 9.50                 | 16.00            | 30                    | 180.1                    | 23,813           | 22,942         | 96%                |
| <b>TOWNSHIP AVERAGE</b> |               |             | <b>7.8</b>           | <b>16.2</b>      | <b>30.0</b>           | <b>164.0</b>             | <b>27,298</b>    | <b>25,381</b>  | <b>93%</b>         |

### EMMA

| Location                | Stalks in 60' | Ears in 60' | Avg. Inches of Grain | Avg. Kernel Rows | Row Spacing in Inches | Indicated Yield per Acre | Plant Population | Ear Population | Ear to Stalk Ratio |
|-------------------------|---------------|-------------|----------------------|------------------|-----------------------|--------------------------|------------------|----------------|--------------------|
| 1                       | 99            | 96          | 7.50                 | 18.00            | 30                    | 194.4                    | 28,750           | 27,878         | 97%                |
| 2                       | 93            | 92          | 6.50                 | 16.70            | 30                    | 149.8                    | 27,007           | 26,717         | 99%                |
| 3                       | 105           | 102         | 6.00                 | 16.00            | 30                    | 146.9                    | 30,492           | 29,621         | 97%                |
| 4                       | 78            | 77          | 8.00                 | 16.00            | 30                    | 147.8                    | 22,651           | 22,361         | 99%                |
| 5                       | 102           | 102         | 6.50                 | 17.00            | 30                    | 169.1                    | 29,621           | 29,621         | 100%               |
| 6                       | 118           | 116         | 7.00                 | 15.00            | 30                    | 182.7                    | 34,267           | 33,686         | 98%                |
| 7                       | 120           | 116         | 6.75                 | 18.00            | 30                    | 211.4                    | 34,848           | 33,686         | 97%                |
| 8                       | 105           | 105         | 7.00                 | 17.70            | 30                    | 195.1                    | 30,492           | 30,492         | 100%               |
| 9                       | 84            | 82          | 7.00                 | 16.00            | 30                    | 137.8                    | 24,394           | 23,813         | 98%                |
| <b>TOWNSHIP AVERAGE</b> |               |             | <b>6.9</b>           | <b>16.7</b>      | <b>30.0</b>           | <b>170.6</b>             | <b>29,169</b>    | <b>28,653</b>  | <b>98%</b>         |

**ENFIELD**

| Location                | Stalks in 60' | Ears in 60' | Avg. Inches of Grain | Avg. Kernel Rows | Row Spacing in Inches | Indicated Yield per Acre | Plant Population | Ear Population | Ear to Stalk Ratio |
|-------------------------|---------------|-------------|----------------------|------------------|-----------------------|--------------------------|------------------|----------------|--------------------|
| 1                       | 103           | 91          | 7.00                 | 17.50            | 30                    | 167.2                    | 29,911           | 26,426         | 88%                |
| 2                       | 112           | 98          | 6.50                 | 15.00            | 30                    | 143.3                    | 32,525           | 28,459         | 88%                |
| 3                       | 94            | 88          | 5.50                 | 17.00            | 30                    | 123.4                    | 27,298           | 25,555         | 94%                |
| 4                       | 104           | 103         | 5.50                 | 15.50            | 30                    | 131.7                    | 30,202           | 29,911         | 99%                |
| 5                       | 106           | 105         | 6.00                 | 16.00            | 30                    | 151.2                    | 30,782           | 30,492         | 99%                |
| 6                       | 96            | 96          | 7.50                 | 16.50            | 30                    | 178.2                    | 27,878           | 27,878         | 100%               |
| 7                       | 91            | 86          | 8.00                 | 15.00            | 30                    | 154.8                    | 26,426           | 24,974         | 95%                |
| 8                       | 83            | 74          | 8.50                 | 18.00            | 30                    | 169.8                    | 24,103           | 21,490         | 89%                |
| 9                       | 91            | 84          | 6.50                 | 15.00            | 30                    | 122.9                    | 26,426           | 24,394         | 92%                |
| 10                      | 94            | 88          | 6.50                 | 15.50            | 30                    | 133.0                    | 27,298           | 25,555         | 94%                |
| <b>TOWNSHIP AVERAGE</b> |               |             | <b>6.8</b>           | <b>16.1</b>      | <b>30.0</b>           | <b>147.6</b>             | <b>28,285</b>    | <b>26,514</b>  | <b>94%</b>         |

**GRAY**

| Location                | Stalks in 60' | Ears in 60' | Avg. Inches of Grain | Avg. Kernel Rows | Row Spacing in Inches | Indicated Yield per Acre | Plant Population | Ear Population | Ear to Stalk Ratio |
|-------------------------|---------------|-------------|----------------------|------------------|-----------------------|--------------------------|------------------|----------------|--------------------|
| 1                       | 108           | 100         | 5.00                 | 16.00            | 30                    | 120.0                    | 31,363           | 29,040         | 93%                |
| 2                       | 86            | 82          | 8.25                 | 18.00            | 30                    | 182.7                    | 24,974           | 23,813         | 95%                |
| 3                       | 104           | 96          | 5.20                 | 15.00            | 30                    | 112.3                    | 30,202           | 27,878         | 92%                |
| 4                       | 87            | 86          | 7.00                 | 14.00            | 30                    | 126.4                    | 25,265           | 24,974         | 99%                |
| 5                       | 99            | 96          | 6.58                 | 14.00            | 30                    | 132.7                    | 28,750           | 27,878         | 97%                |
| 6                       | 86            | 76          | 7.91                 | 14.66            | 30                    | 132.2                    | 24,974           | 22,070         | 88%                |
| 7                       | 97            | 97          | 7.66                 | 14.00            | 30                    | 156.0                    | 28,169           | 28,169         | 100%               |
| 8                       | 116           | 104         | 7.08                 | 16.00            | 30                    | 176.7                    | 33,686           | 30,202         | 90%                |
| 9                       | 98            | 96          | 5.08                 | 16.66            | 30                    | 121.9                    | 28,459           | 27,878         | 98%                |
| 10                      | 71            | 70          | 7.91                 | 14.00            | 30                    | 116.3                    | 20,618           | 20,328         | 99%                |
| <b>TOWNSHIP AVERAGE</b> |               |             | <b>6.8</b>           | <b>15.2</b>      | <b>30.0</b>           | <b>137.7</b>             | <b>27,646</b>    | <b>26,223</b>  | <b>95%</b>         |

**HAWTHORNE**

| Location                | Stalks in 60' | Ears in 60' | Avg. Inches of Grain | Avg. Kernel Rows | Row Spacing in Inches | Indicated Yield per Acre | Plant Population | Ear Population | Ear to Stalk Ratio |
|-------------------------|---------------|-------------|----------------------|------------------|-----------------------|--------------------------|------------------|----------------|--------------------|
| 1                       | 100           | 98          | 7.30                 | 17.30            | 30                    | 185.6                    | 29,040           | 28,459         | 98%                |
| 2                       | 99            | 95          | 6.80                 | 17.60            | 30                    | 170.5                    | 28,750           | 27,588         | 96%                |
| 3                       | 102           | 102         | 6.80                 | 16.00            | 30                    | 166.5                    | 29,621           | 29,621         | 100%               |
| 4                       | 104           | 98          | 7.90                 | 17.00            | 30                    | 197.4                    | 30,202           | 28,459         | 94%                |
| 5                       | 97            | 93          | 7.10                 | 16.33            | 30                    | 161.7                    | 28,169           | 27,007         | 96%                |
| 6                       | 92            | 87          | 6.25                 | 17.00            | 30                    | 138.7                    | 26,717           | 25,265         | 95%                |
| 7                       | 99            | 96          | 7.80                 | 18.00            | 30                    | 202.2                    | 28,750           | 27,878         | 97%                |
| 8                       | 103           | 98          | 7.80                 | 18.00            | 30                    | 206.4                    | 29,911           | 28,459         | 95%                |
| <b>TOWNSHIP AVERAGE</b> |               |             | <b>7.2</b>           | <b>17.2</b>      | <b>30.0</b>           | <b>178.6</b>             | <b>28,895</b>    | <b>27,842</b>  | <b>96%</b>         |

**HERALDS PRAIRIE**

| Location                | Stalks in 60' | Ears in 60' | Avg. Inches of Grain | Avg. Kernel Rows | Row Spacing in Inches | Indicated Yield per Acre | Plant Population | Ear Population | Ear to Stalk Ratio |
|-------------------------|---------------|-------------|----------------------|------------------|-----------------------|--------------------------|------------------|----------------|--------------------|
| 1                       | 84            | 83          | 8.50                 | 14.66            | 30                    | 155.1                    | 24,394           | 24,103         | 99%                |
| 2                       | 91            | 82          | 7.66                 | 17.33            | 30                    | 163.3                    | 26,426           | 23,813         | 90%                |
| 3                       | 103           | 100         | 7.00                 | 16.66            | 30                    | 174.9                    | 29,911           | 29,040         | 97%                |
| 4                       | 106           | 96          | 6.66                 | 16.66            | 30                    | 159.8                    | 30,782           | 27,878         | 91%                |
| 5                       | 104           | 104         | 5.66                 | 17.33            | 30                    | 153.0                    | 30,202           | 30,202         | 100%               |
| 6                       | 97            | 91          | 6.50                 | 18.00            | 30                    | 159.7                    | 28,169           | 26,426         | 94%                |
| 7                       | 84            | 82          | 7.66                 | 16.66            | 30                    | 157.0                    | 24,394           | 23,813         | 98%                |
| 8                       | 93            | 88          | 6.16                 | 18.00            | 30                    | 146.4                    | 27,007           | 25,555         | 95%                |
| <b>TOWNSHIP AVERAGE</b> |               |             | <b>7.0</b>           | <b>16.9</b>      | <b>30.0</b>           | <b>158.6</b>             | <b>27,661</b>    | <b>26,354</b>  | <b>95%</b>         |

**INDIAN CREEK**

| Location                | Stalks in 60' | Ears in 60' | Avg. Inches of Grain | Avg. Kernel Rows | Row Spacing in Inches | Indicated Yield per Acre | Plant Population | Ear Population | Ear to Stalk Ratio |
|-------------------------|---------------|-------------|----------------------|------------------|-----------------------|--------------------------|------------------|----------------|--------------------|
| 1                       | 88            | 81          | 7.50                 | 14.00            | 30                    | 127.6                    | 25,555           | 23,522         | 92%                |
| 2                       | 50            | 51          | 6.50                 | 16.00            | 30                    | 79.6                     | 14,520           | 14,810         | 102%               |
| 3                       | 86            | 84          | 6.50                 | 16.00            | 30                    | 131.0                    | 24,974           | 24,394         | 98%                |
| 4                       | 97            | 91          | 8.50                 | 16.00            | 30                    | 185.6                    | 28,169           | 26,426         | 94%                |
| 5                       | 95            | 89          | 5.50                 | 18.00            | 30                    | 132.2                    | 27,588           | 25,846         | 94%                |
| 6                       | 87            | 84          | 8.00                 | 16.00            | 30                    | 161.3                    | 25,265           | 24,394         | 97%                |
| 7                       | 89            | 81          | 8.00                 | 16.00            | 30                    | 155.5                    | 25,846           | 23,522         | 91%                |
| 8                       | 102           | 97          | 7.00                 | 18.00            | 30                    | 183.3                    | 29,621           | 28,169         | 95%                |
| <b>TOWNSHIP AVERAGE</b> |               |             | <b>7.2</b>           | <b>16.3</b>      | <b>30.0</b>           | <b>144.5</b>             | <b>25,192</b>    | <b>23,885</b>  | <b>95%</b>         |

**MILL SHOALS**

| Location                | Stalks in 60' | Ears in 60' | Avg. Inches of Grain | Avg. Kernel Rows | Row Spacing in Inches | Indicated Yield per Acre | Plant Population | Ear Population | Ear to Stalk Ratio |
|-------------------------|---------------|-------------|----------------------|------------------|-----------------------|--------------------------|------------------|----------------|--------------------|
| 1                       | 102           | 98          | 6.80                 | 18.70            | 30                    | 186.9                    | 29,621           | 28,459         | 96%                |
| 2                       | 102           | 98          | 7.30                 | 18.70            | 30                    | 200.7                    | 29,621           | 28,459         | 96%                |
| 3                       | 96            | 95          | 7.90                 | 13.30            | 30                    | 149.7                    | 27,878           | 27,588         | 99%                |
| 4                       | 91            | 86          | 6.80                 | 16.70            | 30                    | 146.5                    | 26,426           | 24,974         | 95%                |
| 5                       | 95            | 94          | 8.10                 | 15.30            | 30                    | 174.7                    | 27,588           | 27,298         | 99%                |
| 6                       | 90            | 88          | 7.50                 | 16.00            | 30                    | 158.4                    | 26,136           | 25,555         | 98%                |
| 7                       | 82            | 76          | 8.00                 | 16.70            | 30                    | 152.3                    | 23,813           | 22,070         | 93%                |
| 8                       | 90            | 88          | 8.00                 | 15.30            | 30                    | 161.6                    | 26,136           | 25,555         | 98%                |
| 9                       | 92            | 91          | 7.30                 | 15.30            | 30                    | 152.5                    | 26,717           | 26,426         | 99%                |
| 10                      | 91            | 88          | 8.80                 | 15.30            | 30                    | 177.7                    | 26,426           | 25,555         | 97%                |
| <b>TOWNSHIP AVERAGE</b> |               |             | <b>7.7</b>           | <b>16.1</b>      | <b>30.0</b>           | <b>166.1</b>             | <b>27,036</b>    | <b>26,194</b>  | <b>97%</b>         |

**PHILLIPS**

| Location | Stalks in 60' | Ears in 60' | Avg. Inches of Grain | Avg. Kernel Rows | Row Spacing in Inches | Indicated Yield per Acre | Plant Population | Ear Population | Ear to Stalk Ratio |
|----------|---------------|-------------|----------------------|------------------|-----------------------|--------------------------|------------------|----------------|--------------------|
| 1        | 91            | 87          | 6.83                 | 16.00            | 30                    | 142.6                    | 26,426           | 25,265         | 96%                |
| 2        | 106           | 105         | 6.00                 | 18.67            | 30                    | 176.4                    | 30,782           | 30,492         | 99%                |
| 3        | 111           | 109         | 6.33                 | 16.00            | 30                    | 165.6                    | 32,234           | 31,654         | 98%                |
| 4        | 105           | 102         | 6.50                 | 15.30            | 30                    | 152.2                    | 30,492           | 29,621         | 97%                |
| 5        | 103           | 99          | 7.17                 | 14.67            | 30                    | 156.2                    | 29,911           | 28,750         | 96%                |
| 6        | 94            | 88          | 6.50                 | 16.67            | 30                    | 143.0                    | 27,298           | 25,555         | 94%                |
| 7        | 108           | 102         | 6.67                 | 16.00            | 30                    | 163.3                    | 31,363           | 29,621         | 94%                |
| 8        | 105           | 101         | 5.83                 | 16.00            | 30                    | 141.3                    | 30,492           | 29,330         | 96%                |
| 9        | 115           | 109         | 7.00                 | 17.33            | 30                    | 198.3                    | 33,396           | 31,654         | 95%                |
| 10       | 83            | 89          | 7.50                 | 18.00            | 30                    | 180.2                    | 24,103           | 25,846         | 107%               |

**TOWNSHIP AVERAGE**      **6.6**      **16.5**      **30.0**      **161.9**      **29,650**      **28,779**      **97%**

**COUNTY AVERAGE**      **7.1**      **16.4**      **30.0**      **160.3**      **28,019**      **26,779**      **96%**