



# Chickasha Standard vs. Intensive Wheat Management Comparison

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Planting & harvest dates: 10/30/17 & 6/6/18

Previous crop: Austrian winter pea

Soil type: Dale silt loam

Management: Grain-only, conventional tillage

Soil test: pH = 7.3, P = 148, K = 337

All plots had 99 lbs/ac N available at planting. Intensive Wheat Management (IWM) plots received 40 lbs/ac additional N and 4 fl oz/ac

Tilt at jointing on 3/12/18 and 6.8 fl oz/ac Approach Prima at heading on 4/17/18.

| Licensee             | Variety            | 2017-18 Grain Yield |     |       | 2017-18 Test Weight |      |       |
|----------------------|--------------------|---------------------|-----|-------|---------------------|------|-------|
|                      |                    | Standard            | IWM | Diff. | Standard            | IWM  | Diff. |
|                      |                    | -----bu/ac-----     |     |       | -----lb/bu-----     |      |       |
| AGSECO               | TAM 114            | 67                  | 81  | 14    | 61.0                | 61.5 | 0.5   |
| OGI                  | Iba                | 65                  | 74  | 9     | 60.6                | 62.1 | 1.5   |
| OGI                  | Gallagher          | 64                  | 78  | 14    | 60.1                | 60.3 | 0.2   |
| OGI                  | Smith's Gold       | 63                  | 81  | 17    | 59.6                | 60.8 | 1.2   |
| OGI                  | Lonerider          | 63                  | 78  | 15    | 59.1                | 60.2 | 1.1   |
| KWA                  | Larry              | 63                  | 76  | 13    | 60.2                | 60.0 | -0.2  |
| WestBred             | WB4269             | 63                  | 78  | 15    | 59.2                | 60.0 | 0.8   |
| CROPLAN              | CP78-26            | 62                  | 67  | 5     | 58.2                | 59.3 | 1.1   |
| LCS                  | T158               | 61                  | 75  | 14    | 59.7                | 60.8 | 1.1   |
| OGI                  | Ruby Lee           | 60                  | 73  | 13    | 61.0                | 61.1 | 0.1   |
| WestBred             | WB4515             | 60                  | 74  | 14    | 60.3                | 59.8 | -0.5  |
| WestBred             | Winterhawk         | 60                  | 78  | 18    | 59.9                | 61.0 | 1.1   |
| WestBred             | WB4458             | 59                  | 77  | 18    | 60.6                | 61.3 | 0.7   |
| KWA                  | Zenda              | 59                  | 71  | 12    | 60.4                | 61.3 | 0.9   |
| PlainsGold           | Langin             | 59                  | 71  | 12    | 58.8                | 59.4 | 0.6   |
| AgriPro              | SY Grit            | 58                  | 80  | 22    | 59.1                | 59.9 | 0.8   |
| KWA                  | Joe                | 58                  | 77  | 19    | 57.9                | 59.9 | 2.0   |
| OGI                  | Stardust           | 57                  | 79  | 22    | 59.2                | 61.1 | 1.9   |
| AgriPro              | Bob Dole           | 57                  | 75  | 18    | 59.2                | 59.9 | 0.7   |
| OGI                  | Spirit Rider       | 57                  | 77  | 20    | 59.7                | 61.0 | 1.3   |
| AgriPro              | SY Rugged          | 57                  | 67  | 10    | 58.7                | 59.3 | 0.6   |
| WestBred             | WB-Grainfield      | 56                  | 79  | 23    | 58.5                | 60.9 | 2.4   |
| OGI                  | NF 101             | 56                  | 70  | 14    | 59.9                | 60.7 | 0.8   |
| AgriPro              | SY Achieve CL2     | 56                  | 69  | 13    | 60.3                | 61.7 | 1.4   |
| AgriPro              | SY Flint           | 55                  | 74  | 19    | 62.3                | 61.9 | -0.4  |
| KWA                  | Oakley CL          | 55                  | 64  | 9     | 58.1                | 59.3 | 1.2   |
| OGI                  | Doublestop CL Plus | 55                  | 71  | 16    | 61.4                | 62.2 | 0.8   |
| WestBred             | WB4721             | 53                  | 71  | 18    | 61.0                | 61.4 | 0.4   |
| LCS                  | LCS Mint           | 53                  | 74  | 21    | 59.1                | 60.8 | 1.7   |
| AGSECO               | AG Icon            | 52                  | 68  | 16    | 57.4                | 58.9 | 1.5   |
| AgriPro              | SY Benefit         | 52                  | 75  | 23    | 60.4                | 61.2 | 0.8   |
| Watley               | TAM 112            | 52                  | 67  | 15    | 58.8                | 60.9 | 2.1   |
| AGSECO               | AG Gallant         | 51                  | 77  | 26    | 60.2                | 61.4 | 1.2   |
| AgriMAXX             | AM Eastwood        | 50                  | 74  | 24    | 58.6                | 60.2 | 1.6   |
| LCS                  | LCS Chrome         | 50                  | 58  | 8     | 58.1                | 57.2 | -0.9  |
| OGI                  | Duster             | 49                  | 66  | 17    | 58.5                | 59.5 | 1.0   |
| OGI                  | Bentley            | 48                  | 80  | 32    | 57.2                | 59.4 | 2.2   |
| LCS                  | LCS Avenger        | 48                  | 59  | 11    | 56.1                | 57.3 | 1.2   |
| LCS                  | LCS Pistol         | 47                  | 61  | 14    | 56.8                | 58.6 | 1.8   |
| WestBred             | WB4303             | 46                  | 72  | 26    | 56.4                | 57.3 | 0.9   |
| Watley               | TAM 204            | 40                  | 62  | 22    | 53.7                | 55.4 | 1.7   |
| Dyna-Gro             | Long Branch        | 35                  | 52  | 17    | 53.8                | 56.5 | 2.7   |
| <b>Experimentals</b> |                    |                     |     |       |                     |      |       |
|                      | OCW04S717T-6W      | 73                  | 75  | 2     | 57.9                | 57.7 | -0.2  |
|                      | OK12D22004-016     | 71                  | 77  | 6     | 62.1                | 63.6 | 1.5   |
|                      | OK13621            | 66                  | 73  | 7     | 61.0                | 61.4 | 0.4   |
|                      | OCW05S616T-2       | 64                  | 73  | 9     | 60.6                | 61.9 | 1.3   |
|                      | OK12206-2          | 62                  | 74  | 12    | 57.1                | 58.3 | 1.2   |
|                      | OK13209            | 55                  | 70  | 15    | 60.9                | 60.8 | -0.1  |
|                      | OK12716            | 51                  | 69  | 18    | 58.4                | 59.0 | 0.6   |
|                      | Mean               | 57                  | 72  | 16    | 59.1                | 60.1 | 1.0   |
|                      | LSD (0.05)         | 10                  | 9   | 10    | 1.3                 | 1.2  | 1.3   |

**Notes:** Grain yields adjusted to 12% moisture content. Shaded values are not statistically different from the highest value within a column. Boldfaced values in the "Diff." column represent a statistical difference between the standard vs. intensive management averages for that variety. Low to moderate stripe and leaf rust and moderate to severe powdery mildew pressure during grain-fill.

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