

Soybean Roundup Ready Dryland Variety Trial

WREC, Williston - 2015

| Variety | Company/Brand | Maturity Group ¹ | Stand % | Maturity Date | Plant Height inch | Oil ² | | Protein ³ | | Test Weight ⁴ lb/bu | Yield ⁵ bu/a | |
|--------------------|---------------|-----------------------------|---------|---------------|-------------------|------------------|---------|----------------------|---------|--------------------------------|-------------------------|---------|
| | | | | | | 2015 | 2yr avg | 2015 | 2yr avg | | 2015 | 2yr avg |
| LS-0334 RR2 | Legacy Seeds | 0.3 | 91 | 9/15 | 16 | 15.8 | 15.1 | 31.6 | 31.6 | 57.4 | 29.4 | 29.5 |
| S04RY55 | Dyna-Gro Seed | 0.4 | 91 | 9/13 | 18 | 15.2 | 14.8 | 33.6 | 33.3 | 57.1 | 28.0 | 28.8 |
| S04-D3 | Syngenta | 0.4 | 90 | 9/10 | 17 | 15.5 | 15.2 | 32.3 | 32.4 | 57.6 | 26.9 | 28.2 |
| S02RY74 | Dyna-Gro Seed | 0.2 | 88 | 9/9 | 17 | 15.1 | 14.9 | 33.7 | 32.8 | 57.1 | 25.8 | 26.7 |
| 7063 G2 Genetics | G2 Genetics | 0.6 | 84 | 9/9 | 14 | 15.9 | 15.9 | 30.8 | 30.3 | 57.1 | 20.5 | 26.2 |
| LS-0214 RR2 | Legacy Seeds | 0.2 | 88 | 9/9 | 17 | 15.8 | 15.5 | 32.4 | 32.0 | 56.8 | 23.3 | 25.6 |
| 20090 R2Y | Integra | 00.9 | 92 | 9/7 | 15 | 16.5 | 16.0 | 29.1 | 30.2 | 57.2 | 21.3 | 25.4 |
| 6036 G2 Genetics | G2 Genetics | 0.3 | 85 | 9/16 | 15 | 16.0 | 15.6 | 31.8 | 31.5 | 57.8 | 25.1 | 23.9 |
| S02-B4 | Syngenta | 0.2 | 90 | 9/7 | 15 | 16.2 | 15.9 | 29.6 | 30.4 | 57.1 | 19.6 | 23.0 |
| S007-Y4 | Syngenta | 00.7 | 86 | 9/7 | 15 | 16.5 | 16.2 | 30.2 | 31.0 | 57.4 | 15.2 | 20.0 |
| 55G14 | REA Hybrids | 00.5 | 81 | 9/7 | 15 | 16.3 | 15.7 | 30.9 | 32.2 | 56.0 | 15.0 | 19.7 |
| 66G14 | REA Hybrids | 0.6 | 89 | 9/15 | 15 | 14.8 | - | 32.4 | - | 57.2 | 29.8 | - |
| 64G94 | REA Hybrids | 0.4 | 89 | 9/8 | 17 | 16.1 | - | 31.5 | - | 56.5 | 28.9 | - |
| 20300 R2Y | Integra | 0.3 | 91 | 9/15 | 16 | 15.5 | - | 31.1 | - | 57.4 | 27.1 | - |
| Astro | Thunder Seed | 0.0 | 93 | 9/8 | 16 | 15.3 | - | 32.3 | - | 57.7 | 25.6 | - |
| S03RY36 | Dyna-Gro Seed | 0.3 | 91 | 9/11 | 14 | 14.9 | - | 34.9 | - | 57.7 | 25.2 | - |
| 20215 R2Y | Integra | 0.1 | 90 | 9/9 | 16 | 15.5 | - | 32.0 | - | 57.2 | 24.7 | - |
| 3601 | Thunder Seed | 0.1 | 91 | 9/8 | 19 | 15.9 | - | 33.2 | - | 57.1 | 24.3 | - |
| LS-0135 RR2 | Legacy Seeds | 0.1 | 86 | 9/8 | 21 | 16.4 | - | 31.2 | - | 57.1 | 23.5 | - |
| S02-R2 | Syngenta | 0.2 | 90 | 9/11 | 15 | 15.3 | - | 31.7 | - | 57.4 | 23.1 | - |
| LS-00835N RR2 | Legacy Seeds | 00.8 | 86 | 9/9 | 18 | 15.6 | - | 32.2 | - | 57.1 | 20.8 | - |
| 20084N R2Y | Integra | 00.8 | 86 | 9/7 | 17 | 15.9 | - | 31.0 | - | 56.7 | 19.7 | - |
| 3503 | Thunder Seed | 0.3 | 87 | 9/11 | 14 | 15.0 | - | 32.9 | - | 57.2 | 19.3 | - |
| 6008R2 G2 Genetics | G2 Genetics | 00.8 | 88 | 9/7 | 15 | 16.2 | - | 30.5 | - | 57.5 | 15.8 | - |
| Mean | | | 88.4 | 9/10 | 15.9 | 15.70 | - | 31.78 | - | 57.18 | 23.23 | - |
| C.V.% | | | 4.5 | 1.3 | 8.6 | 2.09 | - | 3.7 | - | 0.61 | 11.28 | - |
| LSD 5% | | | 5.7 | 2.0 | 1.9 | 0.46 | - | 1.6 | - | 0.49 | 3.70 | - |
| LSD 10% | | | 4.7 | 1.7 | 1.6 | 0.39 | - | 1.4 | - | 0.41 | 3.09 | - |

Location of the WREC: Latitude 48 8'; Longitude 103 44'W; Elevation 2105 ft

Planted: 5/26/15

Harvested: 9/29/15

Harvested area: 56 ft²

Previous crop: spring wheat

Applied fertilizer in lb/a: none, but inoculated with liquid inoculant at planting

Soil type: Williams-Bowbells loam

Soil test to 6" in ppm: 37P:430K OM-1.9 pH-6.0

Soil test to 24" in lb/a: 78N

Chemical Applications: Valor at 3fl.oz/A (preplant fall applied), Spartan Charge at 2.75fl.oz/A (preplant spring applied)

Maturity Group¹ = provided by company

Oil² = Oil content adjusted to 13% moisture

Protein³ = Protein content adjusted to 13% moisture

Test Weight⁴ = Test Weight content adjusted to 13% moisture

Yield⁵ = Yield content adjusted to 13% moisture