

TABLE 2.
2017 SOUTHERN REGION GLYPHOSATE TOLERANT SOYBEAN TRIAL

| Brand | Entry | Maturity Group | Maturity Date ² | 2017 (Arlington) ¹ | | | 2017 Composition ² | | 2016 2-Test Average ³ | | 2016 Composition ² | |
|---------------------|---------------|----------------|----------------------------|-------------------------------|---------------------|---------------|-------------------------------|---------|----------------------------------|---------|-------------------------------|---------|
| | | | | Yield (bu/A) | WM ⁴ (%) | Lodging (1-5) | Protein (%) | Oil (%) | Yield (bu/A) | Oil (%) | Protein (%) | Oil (%) |
| Asgrow | AG2836 | 2.8 | 29-Sep | * 90 | 1 | 1.0 | 37.4 | 17.0 | * 91 | 1.5 | 37.3 | 17.9 |
| Dairyland | DSR-1721/R2Y | 1.7 | 16-Sep | * 90 | 5 | 1.0 | 35.3 | 18.1 | 87 | 2.2 | 36.2 | 19.7 |
| Dairyland | DSR-1870/R2Y | 1.8 | 16-Sep | * 88 | 13 | 1.0 | 35.8 | 18.4 | 85 | 1.5 | 35.6 | 19.7 |
| Titan Pro | TP-16X77 | 1.6 | 16-Sep | * 86 | 9 | 1.0 | 34.5 | 19.0 | -- | -- | -- | -- |
| Golden Harvest | GH2230X Brand | 2.2 | 20-Sep | * 85 | 3 | 1.0 | 35.2 | 18.4 | -- | -- | -- | -- |
| Legend Seeds | LS 23X632N | 2.3 | 27-Sep | * 85 | 6 | 1.0 | 35.9 | 17.0 | -- | -- | -- | -- |
| NK | S21-W8X Brand | 2.1 | 20-Sep | * 85 | 10 | 1.0 | 35.5 | 18.0 | -- | -- | -- | -- |
| Dyna-Gro | S23XT78 | 2.3 | 18-Sep | * 84 | 13 | 1.0 | 35.2 | 17.5 | -- | -- | -- | -- |
| Titan Pro | TP-24R26 | 2.4 | 24-Sep | * 83 | 7 | 1.0 | 35.3 | 18.9 | * 90 | 1.4 | 35.9 | 19.9 |
| Asgrow | AG23X8 | 2.3 | 25-Sep | * 83 | 12 | 1.0 | 36.3 | 17.7 | -- | -- | -- | -- |
| Cornelius | CB22R88 | 2.2 | 19-Sep | * 83 | 4 | 1.0 | 34.7 | 18.7 | -- | -- | -- | -- |
| Dairyland | DSR-2110/R2Y | 2.1 | 22-Sep | * 83 | 7 | 1.0 | 35.8 | 17.6 | 86 | 1.5 | 35.9 | 18.6 |
| Dyna-Gro | S24RY87 | 2.4 | 20-Sep | * 83 | 8 | 1.0 | 34.5 | 19.1 | * 92 | 1.0 | 36.1 | 20.0 |
| Dairyland | DSR-2330/R2Y | 2.3 | 20-Sep | * 82 | 3 | 1.0 | 34.5 | 19.0 | * 90 | 1.1 | 36.3 | 20.0 |
| Asgrow | AG21X8 | 2.1 | 22-Sep | * 82 | 23 | 1.0 | 36.1 | 17.0 | -- | -- | -- | -- |
| Legend Seeds | LS 20R524N | 2.0 | 18-Sep | * 82 | 22 | 1.0 | 36.0 | 18.3 | 84 | 1.4 | 36.0 | 19.5 |
| Munson | 8247R2Y | 2.4 | 18-Sep | * 82 | 4 | 1.0 | 34.5 | 19.1 | * 93 | 1.0 | 35.7 | 20.0 |
| Legacy Seeds | LS-2338N RR2X | 2.3 | 18-Sep | * 81 | 2 | 1.0 | 35.0 | 18.9 | -- | -- | -- | -- |
| Dyna-Gro | S26RY37 | 2.6 | 22-Sep | * 80 | 7 | 1.0 | 35.8 | 18.0 | 87 | 1.3 | 35.4 | 19.5 |
| Jung | 1243R2X | 2.4 | 22-Sep | * 80 | 13 | 1.0 | 35.3 | 18.2 | -- | -- | -- | -- |
| NK | S20-J5X Brand | 2.0 | 20-Sep | * 80 | 9 | 1.0 | 35.9 | 18.0 | -- | -- | -- | -- |
| Power Plus | 20B7 | 2.0 | 20-Sep | * 80 | 3 | 1.0 | 33.8 | 19.5 | 85 | 1.1 | 34.9 | 20.4 |
| NK | S25-B6X Brand | 2.5 | 25-Sep | 78 | 12 | 1.0 | 34.7 | 18.3 | -- | -- | -- | -- |
| O'Brien | O'SOY196NR2Y | 1.9 | 2-Sep | 78 | 9 | 1.0 | 35.7 | 17.7 | 84 | 1.0 | 36.2 | 18.4 |
| Power Plus | 24F8 | 2.4 | 27-Sep | 78 | 4 | 1.0 | 34.1 | 19.0 | -- | -- | -- | -- |
| Dairyland | DSR-1950/R2Y | 1.9 | 18-Sep | 77 | 17 | 1.0 | 34.5 | 18.3 | -- | -- | -- | -- |
| Legend Seeds | LS 24R563N | 2.4 | 27-Sep | 77 | 13 | 1.0 | 35.8 | 18.0 | 87 | 1.0 | 36.6 | 18.7 |
| Munson | 9228RR2X | 2.2 | 2-Oct | 77 | 29 | 1.0 | 35.4 | 17.1 | -- | -- | -- | -- |
| FS HISOY | HS 23X70 | 2.3 | 26-Sep | 76 | 17 | 1.0 | 34.8 | 18.3 | -- | -- | -- | -- |
| AgriGold | G2250RX | 2.2 | 16-Sep | 76 | 24 | 1.0 | 34.9 | 18.4 | -- | -- | -- | -- |
| AgriGold | G2355RX | 2.3 | 27-Sep | 76 | 9 | 1.0 | 34.8 | 18.5 | -- | -- | -- | -- |
| Asgrow | AG26X8 | 2.6 | 27-Sep | 76 | 21 | 1.0 | 35.2 | 18.4 | -- | -- | -- | -- |
| NuTech | 7198 | 1.9 | 17-Sep | 75 | 16 | 1.0 | 35.5 | 17.8 | -- | -- | -- | -- |
| Great Lakes Hybrids | GL2551NR2 | 2.5 | 26-Sep | 75 | 24 | 1.0 | 35.3 | 18.8 | 85 | 1.5 | 35.9 | 19.8 |
| NuTech | 7279 | 2.7 | 29-Sep | 75 | 14 | 1.0 | 35.0 | 18.2 | * 95 | 1.3 | 35.2 | 19.5 |
| NuTech | 7224 | 2.2 | 20-Sep | 74 | 4 | 1.0 | 34.1 | 19.4 | -- | -- | -- | -- |
| Cornelius | CB24R82 | 2.4 | 25-Sep | 74 | 13 | 1.0 | 35.4 | 18.5 | * 93 | 1.0 | 36.4 | 19.7 |
| Dairyland | DSR-1526/R2Y | 1.5 | 16-Sep | 74 | 19 | 1.0 | 35.1 | 19.1 | 84 | 1.0 | 35.4 | 19.8 |
| Dairyland | DSR-2909/R2Y | 2.9 | 28-Sep | 74 | 18 | 1.0 | 35.6 | 17.9 | 84 | 1.5 | 35.8 | 19.2 |
| Beck's | 2339X2 | 2.3 | 27-Sep | 73 | 14 | 1.0 | 35.1 | 18.1 | -- | -- | -- | -- |
| Titan Pro | TP-28X47 | 2.8 | 2-Oct | 72 | 32 | 1.0 | 35.6 | 16.8 | -- | -- | -- | -- |
| Cornelius | CB23X45 | 2.3 | 27-Sep | 72 | 16 | 1.0 | 36.4 | 16.6 | 84 | 1.4 | 36.7 | 18.5 |
| Power Plus | 28Q8 | 2.8 | 29-Sep | 72 | 26 | 1.0 | 35.2 | 17.8 | -- | -- | -- | -- |
| Tracy | 2308GT | 2.3 | 22-Sep | 72 | 5 | 1.0 | 35.6 | 19.0 | -- | -- | -- | -- |
| Renk | RS248NX | 2.4 | 26-Sep | 72 | 36 | 1.0 | 35.4 | 18.3 | -- | -- | -- | -- |
| Legend Seeds | LS 28X840N | 2.8 | 29-Sep | 71 | 28 | 1.0 | 35.5 | 17.0 | -- | -- | -- | -- |
| Munson | 9288RR2X | 2.8 | 25-Sep | 71 | 33 | 1.0 | 34.9 | 18.3 | -- | -- | -- | -- |
| Power Plus | 25G8 | 2.5 | 26-Sep | 70 | 15 | 1.0 | 36.4 | 17.3 | -- | -- | -- | -- |
| Beck's | 2889X2 | 2.8 | 27-Sep | 70 | 16 | 1.0 | 35.6 | 16.9 | -- | -- | -- | -- |
| Dyna-Gro | S28XT58 | 2.8 | 1-Oct | 70 | 26 | 1.0 | 35.7 | 16.8 | -- | -- | -- | -- |
| FS HISOY | HS 18X70 | 1.8 | 16-Sep | 70 | 39 | 1.0 | 36.5 | 18.1 | -- | -- | -- | -- |
| Renk | RS288NX | 2.8 | 1-Oct | 69 | 34 | 1.0 | 35.8 | 16.8 | -- | -- | -- | -- |
| AgriGold | G2405RX | 2.4 | 25-Sep | 69 | 35 | 1.0 | 35.8 | 18.2 | -- | -- | -- | -- |
| FS HISOY | HS 22X70 | 2.2 | 22-Sep | 69 | 35 | 1.0 | 35.0 | 18.3 | -- | -- | -- | -- |
| Jung | 1252R2X | 2.5 | 29-Sep | 69 | 17 | 1.0 | 36.6 | 16.4 | -- | -- | -- | -- |
| NK | S27-M8X Brand | 2.8 | 26-Sep | 68 | 38 | 1.0 | 35.1 | 18.2 | -- | -- | -- | -- |
| FS HISOY | HS 25X70 | 2.5 | 27-Sep | 68 | 15 | 1.0 | 35.5 | 17.7 | -- | -- | -- | -- |
| Munson | 9258RR2X | 2.5 | 25-Sep | 68 | 30 | 1.0 | 35.8 | 17.6 | -- | -- | -- | -- |
| Titan Pro | TP-26X37 | 2.6 | 25-Sep | 67 | 25 | 1.0 | 35.6 | 18.1 | -- | -- | -- | -- |
| AgriGold | G2105RX | 2.1 | 16-Sep | 67 | 50 | 1.0 | 36.1 | 18.1 | -- | -- | -- | -- |
| FS HISOY | HS 24X70 | 2.4 | 27-Sep | 67 | 34 | 1.0 | 35.8 | 18.4 | -- | -- | -- | -- |
| FS HISOY | HS 28X70 | 2.8 | 29-Sep | 67 | 31 | 1.0 | 35.8 | 16.8 | -- | -- | -- | -- |
| LG Seeds | C2201RX | 2.2 | 20-Sep | 67 | 34 | 1.0 | 35.0 | 18.6 | -- | -- | -- | -- |
| Renk | RS241R2 | 2.4 | 22-Sep | 67 | 29 | 1.0 | 35.3 | 18.0 | -- | -- | -- | -- |
| AgriGold | G1850RX | 1.8 | 22-Sep | 66 | 34 | 1.0 | 36.6 | 17.9 | -- | -- | -- | -- |
| LG Seeds | C2441R2 | 2.4 | 20-Sep | 66 | 41 | 1.0 | 35.6 | 18.1 | * 90 | 1.8 | 35.0 | 19.6 |
| Cornelius | CB24X64 | 2.4 | 27-Sep | 65 | 31 | 1.0 | 35.3 | 18.2 | -- | -- | -- | -- |
| O'Brien | O'SOY1900GT | 1.9 | 20-Sep | 64 | 24 | 1.0 | 36.6 | 17.8 | -- | -- | -- | -- |
| AgriGold | G2900RX | 2.9 | 2-Oct | 63 | 36 | 1.0 | 35.8 | 18.7 | -- | -- | -- | -- |
| Legacy Seeds | LS-2638N RR2X | 2.6 | 27-Sep | 63 | 37 | 1.0 | 35.3 | 18.0 | -- | -- | -- | -- |
| Titan Pro | TP-18X97 | 1.8 | 19-Sep | 62 | 44 | 1.0 | 36.2 | 18.0 | -- | -- | -- | -- |
| Titan Pro | TP-20X57 | 2.0 | 22-Sep | 62 | 50 | 1.0 | 37.6 | 16.8 | -- | -- | -- | -- |
| Great Lakes Hybrids | GL2870NRX | 2.8 | 1-Oct | 62 | 40 | 1.0 | 35.7 | 16.7 | -- | -- | -- | -- |
| Cornelius | CB22X73 | 2.2 | 22-Sep | 62 | 48 | 1.0 | 35.1 | 18.3 | -- | -- | -- | -- |
| Asgrow | AG2636 | 2.6 | 27-Sep | 61 | 35 | 1.0 | 35.1 | 17.5 | 86 | 1.0 | 34.9 | 18.8 |
| Dairyland | DSR-2616/R2Y | 2.6 | 27-Sep | 60 | 56 | 1.0 | 36.2 | 17.3 | 86 | 1.1 | 36.0 | 18.7 |
| FS HISOY | HS 21X70 | 2.1 | 20-Sep | 60 | 38 | 1.0 | 37.3 | 17.0 | -- | -- | -- | -- |
| Beck's | 2559X2 | 2.5 | 27-Sep | 60 | 36 | 1.0 | 36.0 | 17.6 | -- | -- | -- | -- |
| Cornelius | CB27X81 | 2.7 | 29-Sep | 60 | 36 | 1.0 | 36.1 | 16.9 | -- | -- | -- | -- |
| FS HISOY | HS 29X70 | 2.9 | 2-Oct | 59 | 30 | 1.0 | 37.0 | 16.6 | -- | -- | -- | -- |
| Great Lakes Hybrids | GL2469R2 | 2.4 | 22-Sep | 59 | 59 | 1.0 | 35.5 | 17.9 | 86 | 1.4 | 35.2 | 19.5 |
| Cornelius | CB28X73 | 2.8 | 29-Sep | 59 | 35 | 1.0 | 36.9 | 17.1 | -- | -- | -- | -- |
| O'Brien | O'SOY2500GT | 2.5 | 22-Sep | 59 | 45 | 1.0 | 37.0 | 17.3 | -- | -- | -- | -- |
| Tracy | 2708GT | 2.7 | 29-Sep | 59 | 31 | 1.0 | 35.9 | 17.5 | -- | -- | -- | -- |
| FS HISOY | HS 27X60 | 2.7 | 27-Sep | 58 | 36 | 1.0 | 35.9 | 17.8 | 89 | 1.1 | 36.0 | 18.6 |
| AgriGold | G2801RX | 2.8 | 27-Sep | 54 | 53 | 1.0 | 37.1 | 17.2 | -- | -- | -- | -- |
| Tracy | 2808GT | 2.8 | 27-Sep | 53 | 19 | 1.0 | 35.3 | 18.4 | -- | -- | -- | -- |
| AgriGold | G2610RX | 2.6 | 27-Sep | 53 | 51 | 1.0 | 36.0 | 17.3 | -- | -- | -- | -- |
| Cornelius | CB26X70 | 2.6 | 27-Sep | 51 | 65 | 1.0 | 35.6 | 17.5 | -- | -- | -- | -- |
| Great Lakes Hybrids | GL2673NRX | 2.6 | 27-Sep | 51 | 54 | 1.0 | 35.6 | 17.5 | -- | -- | -- | -- |
| Jung | 1283R2X | 2.8 | 27-Sep | 47 | 55 | 1.0 | 37.8 | 16.6 | -- | -- | -- | -- |
| Renk | RS268NX | 2.6 | 27-Sep | 47 | 54 | 1.0 | 36.6 | 17.7 | -- | -- | -- | -- |
| Mean | | 23-Sep | 71 | 25 | 1.0 | 35.6 | 17.9 | 86 | 1.5 | 35.8 | 19.2 | |
| LSD(0.10) | | | 11 | 22 | NS | 0.6 | 0.3 | 7 | 0.7 | 0.6 | 0.3 | |

* Yields preceded by an asterisk are not significantly different (0.10 level) than the highest yielding cultivar.

¹ The East Troy site was abandoned due to off target herbicide movement and Platteville was abandoned due to severe crusting and poor emergence.

² Maturity date, protein, and oil determined at the Arlington site.

³ 2016 2-test average includes Arlington and Platteville. The East Troy site was abandoned due to severe drought.

⁴ WM = White mold expressed as percent of diseased plants.

Results that are shaded provide the best estimate of relative variety performance.