

**NDSU Langdon Research Extension Center**  
**2017 Variety Trial**

**Soybean - Roundup Ready - 2017**

**Pekin - Nelson County (Page 1-2)**

| Brand     | Variety       | Herb. Trait <sup>1</sup> | Maturity Group <sup>2</sup> | Maturity date <sup>3</sup> | Lodging 0-9 | Plant Height in | Protein % | Oil % | Yield |           |                          |
|-----------|---------------|--------------------------|-----------------------------|----------------------------|-------------|-----------------|-----------|-------|-------|-----------|--------------------------|
|           |               |                          |                             |                            |             |                 |           |       | 2017  | 2 yr Avg. | 2-site Avg. <sup>4</sup> |
| Allegiant | 01R80         | RR2Y                     | 0.1                         | 9/5                        | 1.4         | 37              | 33.7      | 15.9  | 70.3  | --        | 58.9                     |
| Allegiant | 02X03         | RRXT                     | 0.2                         | 9/9                        | 1.9         | 39              | 33.1      | 15.2  | 67.9  | --        | 58.3                     |
| Allegiant | 04X08N        | RRXT                     | 0.4                         | 9/12                       | 2.0         | 34              | 35.0      | 15.2  | 71.7  | --        | 64.3                     |
| Channel   | 00717R2X      | RRXT                     | 00.7                        | 9/5                        | 1.3         | 33              | 33.8      | 14.6  | 70.6  | --        | 61.7                     |
| Channel   | 0218R2X       | RRXT                     | 0.2                         | 9/7                        | 0.6         | 37              | 33.6      | 15.3  | 64.0  | --        | 60.7                     |
| Dairyland | DSR-C918/2Y   | RR2Y                     | 00.9                        | 9/7                        | 1.4         | 30              | 35.3      | 14.2  | 64.9  | 67.6      | 59.3                     |
| Dairyland | DST00-003/R2Y | RR2Y                     | 0.0                         | 9/7                        | 1.5         | 32              | 32.8      | 15.5  | 70.0  | --        | 68.4                     |
| Dairyland | DST-0225/R2Y  | RR2Y                     | 0.2                         | 9/6                        | 2.4         | 37              | 33.0      | 16.2  | 70.2  | --        | 63.6                     |
| Dairyland | DSR-0305/R2Y  | RR2Y                     | 0.3                         | 9/10                       | 1.2         | 33              | 33.2      | 15.5  | 70.2  | 72.4      | 61.6                     |
| Dairyland | DSR-0404/R2Y  | RR2Y                     | 0.4                         | 9/11                       | 1.2         | 32              | 34.8      | 14.5  | 70.8  | 68.8      | 64.8                     |
| Dairyland | DSR-0418/R2Y  | RR2Y                     | 0.4                         | 9/13                       | 0.9         | 32              | 35.4      | 14.6  | 66.7  | --        | 61.9                     |
| Dyna-Gro  | S01RY86       | RR2Y                     | 0.1                         | 9/4                        | 1.3         | 37              | 32.9      | 16.3  | 70.7  | 71.8      | 61.9                     |
| Dyna-Gro  | S03RY36       | RR2Y                     | 0.3                         | 9/9                        | 1.6         | 33              | 34.9      | 14.9  | 72.0  | 72.3      | 66.8                     |
| Dyna-Gro  | S04XT77       | RRXT                     | 0.4                         | 9/10                       | 1.7         | 33              | 33.9      | 15.8  | 69.9  | 73.1      | 66.2                     |
| Hefty     | H02R3         | RR2Y                     | 0.2                         | 9/11                       | 1.6         | 35              | 34.9      | 14.7  | 73.0  | 73.1      | 64.6                     |
| Hefty     | H02X7         | RRXT                     | 0.2                         | 9/10                       | 2.7         | 40              | 33.1      | 15.2  | 68.8  | 70.3      | 59.0                     |
| Hefty     | H03X7         | RRXT                     | 0.3                         | 9/11                       | 1.4         | 33              | 33.8      | 15.6  | 69.8  | 68.7      | 63.6                     |
| Hefty     | H03X8         | RRXT                     | 0.3                         | 9/12                       | 1.6         | 38              | 32.3      | 15.3  | 67.2  | --        | 57.8                     |
| Integra   | 20087         | RR2Y                     | 00.8                        | 9/6                        | 1.2         | 29              | 35.5      | 14.3  | 69.7  | 69.2      | 64.2                     |
| Integra   | 20097         | RR2Y                     | 00.9                        | 9/5                        | 2.8         | 37              | 33.3      | 15.9  | 71.5  | 70.7      | 62.4                     |
| Integra   | 20126         | RR2Y                     | 0.1                         | 9/10                       | 1.3         | 38              | 35.1      | 15.1  | 71.3  | 72.2      | --                       |
| Integra   | 50069         | RRXT                     | 00.6                        | 9/3                        | 1.0         | 33              | 32.2      | 15.2  | 66.0  | --        | --                       |
| Legacy    | LS-0135 RR2   | RR2Y                     | 00.9                        | 9/6                        | 2.4         | 39              | 33.4      | 16.3  | 73.1  | 71.5      | 64.5                     |
| Legacy    | LS-0214 RR2   | RR2Y                     | 0.2                         | 9/8                        | 1.8         | 35              | 34.3      | 15.3  | 73.0  | 71.1      | 65.3                     |
| Legacy    | LS-0237N RR2X | RRXT                     | 0.2                         | 9/12                       | 2.0         | 37              | 34.0      | 14.8  | 71.8  | 72.7      | 63.6                     |
| Legacy    | LS-0334 RR2   | RR2Y                     | 0.3                         | 9/14                       | 1.4         | 36              | 34.8      | 14.8  | 69.7  | 75.1      | 65.5                     |
| Legacy    | LS 0337N RR2X | RRXT                     | 0.3                         | 9/11                       | 1.4         | 32              | 35.2      | 14.7  | 72.9  | 71.3      | 67.0                     |
| Legacy    | LS-0438N RR2X | RRXT                     | 0.4                         | 9/13                       | 1.2         | 33              | 34.6      | 15.4  | 70.2  | --        | 65.8                     |
| NDSU      | ND17009GT     | GT                       | 00.9                        | 9/5                        | 1.7         | 37              | 35.8      | 15.4  | 60.1  | --        | 54.0                     |
| NorthStar | NS 0111R2     | RR2Y                     | 0.1                         | 9/6                        | 2.4         | 35              | 33.2      | 15.9  | 67.0  | 68.4      | 60.4                     |
| NorthStar | NS 60393NXR2  | RRXT                     | 0.3                         | 9/12                       | 0.5         | 36              | 32.3      | 15.2  | 66.2  | --        | --                       |
| NorthStar | NS 60442NXR2  | RRXT                     | 0.4                         | 9/10                       | 0.6         | 32              | 33.9      | 15.5  | 67.5  | --        | --                       |
| NorthStar | NS 60092XR2   | RRXT                     | 00.9                        | 9/6                        | 1.4         | 38              | 34.2      | 14.1  | 71.5  | --        | 63.4                     |
| NuTech    | 6048          | RR1                      | 0.4                         | 9/9                        | 1.3         | 38              | 36.0      | 14.7  | 64.4  | --        | --                       |
| Peterson  | 16R01         | RR2Y                     | 0.1                         | 9/5                        | 2.0         | 39              | 34.6      | 15.1  | 73.4  | 72.6      | 61.5                     |
| Peterson  | 17X04N        | RRXT                     | 0.4                         | 9/9                        | 0.5         | 33              | 34.5      | 15.0  | 69.1  | --        | --                       |
| Prairie   | PB-00928R2    | RR2Y                     | 00.9                        | 9/8                        | 0.8         | 32              | 33.4      | 15.6  | 69.7  | --        | 64.5                     |
| Prairie   | PB-0146R2     | RR2Y                     | 0.1                         | 9/4                        | 1.7         | 37              | 32.9      | 16.1  | 70.1  | 71.7      | 60.4                     |
| Prairie   | PB-0397R2     | RR2Y                     | 0.3                         | 9/11                       | 1.4         | 34              | 34.3      | 14.9  | 68.6  | 68.8      | 62.8                     |

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| Brand       | Variety   | Herb. Trait <sup>1</sup> | Maturity Group <sup>2</sup> | Maturity date <sup>3</sup> | Lodging 0-9 | Plant Height in | Protein % | Oil % | Yield |           |                          |
|-------------|-----------|--------------------------|-----------------------------|----------------------------|-------------|-----------------|-----------|-------|-------|-----------|--------------------------|
|             |           |                          |                             |                            |             |                 |           |       | 2017  | 2 yr Avg. | 2-site Avg. <sup>4</sup> |
| Proseed     | 30-20     | RR2Y                     | 0.2                         | 9/9                        | 1.2         | 35              | 34.8      | 15.0  | 69.2  | 71.4      | 61.5                     |
| Proseed     | 20-30     | RR2Y                     | 0.3                         | 9/12                       | 1.0         | 33              | 35.0      | 14.4  | 68.3  | --        | --                       |
| Proseed     | XT 604    | RRXT                     | 0.4                         | 9/10                       | 1.3         | 32              | 33.6      | 15.7  | 68.1  | 71.6      | --                       |
| Proseed     | 50-60N    | RR2Y                     | 00.6                        | 9/12                       | 0.3         | 32              | 35.3      | 14.8  | 69.2  | --        | --                       |
| REA         | RX0228    | RRXT                     | 0.2                         | 9/8                        | 1.4         | 39              | 33.6      | 15.3  | 66.7  | --        | 61.0                     |
| REA         | RX0327    | RRXT                     | 0.3                         | 9/10                       | 0.9         | 26              | 34.2      | 15.3  | 66.9  | --        | 63.9                     |
| Stine       | 03RD66    | RR2Y                     | 0.3                         | 9/12                       | 0.5         | 33              | 34.9      | 14.5  | 71.1  | --        | --                       |
| Syngenta/GH | GH0391    | RR2Y                     | 0.3                         | 9/12                       | 1.9         | 32              | 33.6      | 15.1  | 70.5  | --        | 62.7                     |
| Syngenta/NK | S03-S6X   | RRXT                     | 0.3                         | 9/6                        | 1.7         | 33              | 33.0      | 14.5  | 68.9  | --        | 59.5                     |
| Thunder     | SB88007N  | RRXT                     | 00.7                        | 9/5                        | 1.7         | 36              | 33.0      | 15.6  | 67.4  | --        | 60.8                     |
| Thunder     | 36008 R2Y | RR2Y                     | 00.8                        | 9/9                        | 1.4         | 33              | 34.1      | 15.0  | 65.2  | 59.0      | 59.3                     |
| Thunder     | SB87009   | RRXT                     | 00.9                        | 9/10                       | 1.8         | 39              | 34.6      | 13.8  | 65.2  | --        | 60.0                     |
| Thunder     | 3503 R2Y  | RR2Y                     | 0.3                         | 9/11                       | 1.4         | 32              | 35.2      | 14.8  | 69.5  | 72.7      | 62.1                     |
| Thunder     | SB8703    | RRXT                     | 0.4                         | 9/11                       | 1.4         | 39              | 33.2      | 14.9  | 67.1  | --        | 61.3                     |
| Thunder     | 3601 R2Y  | RRXT                     | 0.1                         | 9/7                        | 2.8         | 38              | 33.7      | 15.6  | 71.0  | 72.0      | 62.9                     |
| Wensman     | W10063NRX | RRXT                     | 00.6                        | 9/5                        | 0.7         | 32              | 33.1      | 15.0  | 71.2  | --        | 62.5                     |
| Wensman     | W1011RX   | RRXT                     | 0.1                         | 9/10                       | 1.5         | 36              | 33.7      | 15.9  | 65.5  | --        | 61.5                     |
| Wensman     | W1039NRX  | RRXT                     | 0.3                         | 9/12                       | 1.2         | 37              | 32.8      | 14.7  | 68.4  | --        | 62.1                     |
| Wensman     | W1048NRX  | RRXT                     | 0.4                         | 9/10                       | 1.6         | 33              | 34.4      | 15.1  | 71.0  | --        | --                       |
| Trial Mean  |           |                          |                             | 9/8                        | 1.4         | 35              | 34.0      | 15.1  | 68.6  | --        | --                       |
| C.V. %      |           |                          |                             | 16.6                       | 57.7        | 8.2             | 1.8       | 2.7   | 5.4   | --        | --                       |
| LSD 5%      |           |                          |                             | 1.9                        | 1.1         | 4.0             | 1.2       | 0.8   | 5.2   | --        | --                       |
| LSD 10%     |           |                          |                             | 1.6                        | 0.9         | 3.3             | 1.0       | 0.7   | 4.4   | --        | --                       |

<sup>1</sup>Herbicide Trait - RRXT=RR2Xtend,GT=Glyphosate Tolerant

<sup>2</sup>Maturity Group provided by company

<sup>3</sup>Date of physiological maturity at R7 stage (one brown pod on the main stem obtains mature brown or tan color.)

<sup>4</sup>A 2-site average of our southern region, Walsh County (Park River) and Nelson County (Pekin).

Yield, oil and protein reported at 13% moisture.

Planting Date: May 24

Harvest Date: October 5