

**NDSU Langdon Research Extension Center**  
**2011 Variety Trial Data**

**Soybean - Roundup Ready - 2011** **Lakota - Nelson County (Page 1-2)**

| Brand     | Variety      | Maturity Group <sup>1</sup> | Maturity date <sup>2</sup> | Plant     |             | Protein % | Oil % | Test Weight lbs/bu | Yield |           |
|-----------|--------------|-----------------------------|----------------------------|-----------|-------------|-----------|-------|--------------------|-------|-----------|
|           |              |                             |                            | Height in | Lodging 0-9 |           |       |                    | 2011  | 2-yr Avg. |
| ASGROW    | AG00931      | 00.9                        | 9/15                       | 39.8      | 3.1         | 32.3      | 19.3  | 56.3               | 50.8  | --        |
| ASGROW    | AG00932      | 00.9                        | 9/16                       | 40.0      | 1.3         | 32.7      | 18.8  | 56.2               | 45.3  | --        |
| ASGROW    | AG0131       | 0.1                         | 9/16                       | 40.2      | 0.1         | 32.8      | 19.1  | 56.1               | 47.3  | --        |
| ASGROW    | AG0231       | 0.2                         | 9/17                       | 40.7      | 0.5         | 31.5      | 18.8  | 58.9               | 51.0  | --        |
| ASGROW    | AG0430       | 0.4                         | 9/22                       | 42.5      | 0.3         | 32.0      | 18.7  | 55.3               | 43.4  | --        |
| Dyna-Gro  | 30RY04       | 00.4                        | 9/14                       | 39.4      | 0.1         | 32.3      | 19.9  | 55.3               | 45.7  | --        |
| Dyna-Gro  | 30RY07       | 00.7                        | 9/16                       | 40.3      | 0.5         | 31.3      | 19.6  | 56.6               | 46.9  | --        |
| Dyna-Gro  | 30RY09       | 00.9                        | 9/16                       | 40.2      | 2.3         | 32.2      | 18.7  | 56.0               | 45.5  | 53.8      |
| Dyna-Gro  | 35RY01       | 0.1                         | 9/18                       | 41.1      | 1.8         | 31.0      | 19.3  | 57.2               | 43.4  | 52.2      |
| GCS       | 0140         | 0.1                         | 9/16                       | 40.3      | 1.5         | 31.6      | 19.1  | 57.5               | 50.4  | 56.1      |
| GCS       | 0241         | 0.2                         | 9/21                       | 42.1      | 0.8         | 32.1      | 18.5  | 57.3               | 44.5  | --        |
| Hefty     | H00Y12       | 0.0                         | 9/21                       | 41.9      | 0.0         | 33.0      | 19.2  | 55.0               | 43.1  | --        |
| Hefty     | H01Y11       | 0.1                         | 9/16                       | 40.3      | 1.8         | 30.7      | 19.6  | 57.1               | 41.3  | --        |
| Hefty     | H03Y12       | 0.3                         | 9/22                       | 42.4      | 0.1         | 31.8      | 18.9  | 55.9               | 41.2  | --        |
| Hefty     | H04Y12       | 0.4                         | 9/22                       | 42.4      | 0.0         | 33.5      | 18.0  | 56.5               | 40.3  | --        |
| Integra   | 97001R       | 00.3                        | 9/12                       | 38.8      | 0.5         | 31.0      | 20.6  | 57.4               | 44.8  | 50.3      |
| Integra   | 20052        | 00.5                        | 9/12                       | 38.7      | 0.8         | 31.8      | 19.8  | 55.2               | 43.4  | --        |
| Integra   | 20073        | 00.8                        | 9/12                       | 38.8      | 0.5         | 32.8      | 19.9  | 57.0               | 46.5  | --        |
| Integra   | 20090        | 00.9                        | 9/16                       | 40.1      | 1.0         | 31.4      | 19.2  | 57.4               | 46.5  | --        |
| Integra   | 20100        | 0.1                         | 9/20                       | 41.5      | 0.0         | 32.9      | 19.4  | 56.1               | 44.4  | --        |
| Legend    | 007R20       | 00.7                        | 9/18                       | 40.9      | 2.5         | 30.9      | 19.4  | 57.2               | 44.4  | --        |
| Legend    | 009R20       | 00.9                        | 9/17                       | 40.4      | 0.9         | 29.7      | 20.0  | 56.7               | 46.6  | --        |
| Mycogen   | 5B024R2      | 0.2                         | 9/19                       | 41.3      | 1.5         | 31.5      | 19.0  | 56.5               | 45.9  | --        |
| Mycogen   | 5B009R2      | 00.9                        | 9/17                       | 40.5      | 2.5         | 31.7      | 19.2  | 57.1               | 46.9  | --        |
| Syng NK   | S00-J9 Brand | 00.9                        | 9/15                       | 39.7      | 0.6         | 32.9      | 19.6  | 57.8               | 48.7  | --        |
| Syng NK   | S02-B4 Brand | 0.2                         | 9/16                       | 40.3      | 1.6         | 30.8      | 19.8  | 56.3               | 47.0  | --        |
| Northstar | NS0096R2     | 00.9                        | 9/17                       | 40.4      | 1.3         | 30.3      | 19.6  | 56.9               | 43.6  | 52.2      |
| Northstar | NS0216R2     | 0.2                         | 9/22                       | 42.6      | 0.1         | 32.4      | 18.3  | 56.9               | 42.2  | 48.4      |
| NuTech    | 6011         | 0.1                         | 9/21                       | 42.1      | 0.2         | 31.0      | 19.2  | 56.2               | 44.0  | 50.4      |
| NuTech-G2 | 6009         | 00.9                        | 9/17                       | 40.5      | 0.8         | 31.4      | 20.3  | 56.0               | 42.5  | --        |
| NuTech-G2 | 0090RR       | 00.9                        | 9/16                       | 40.2      | 1.8         | 32.2      | 20.0  | 57.1               | 43.8  | 49.5      |
| NuTech-G2 | 6012         | 0.1                         | 9/16                       | 40.3      | 0.4         | 30.2      | 20.1  | 57.9               | 41.6  | --        |
| NuTech-G2 | 6025         | 0.2                         | 9/21                       | 42.3      | 0.8         | 32.1      | 19.7  | 57.2               | 43.1  | --        |
| NuTech-G2 | 6030         | 0.3                         | 9/22                       | 42.6      | 0.1         | 31.1      | 18.8  | 56.9               | 40.0  | 45.9      |
| Peterson  | 12R005       | 00.5                        | 9/14                       | 39.2      | 0.1         | 32.1      | 19.9  | 57.1               | 46.1  | --        |
| Peterson  | 12R007       | 00.7                        | 9/16                       | 40.0      | 0.6         | 30.9      | 20.2  | 56.7               | 41.9  | --        |
| Peterson  | 11R01        | 0.1                         | 9/17                       | 40.7      | 1.7         | 29.5      | 20.0  | 57.7               | 44.4  | --        |
| Peterson  | 11R02        | 0.2                         | 9/17                       | 40.6      | 2.1         | 30.8      | 19.2  | 57.3               | 46.6  | 54.2      |
| Peterson  | 12R02        | 0.2                         | 9/24                       | 43.3      | 0.1         | 31.5      | 18.5  | 57.1               | 38.5  | 53.8      |

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**Soybean - Roundup Ready - 2011**

**Lakota - Nelson County (Page 2-2)**

| Brand      | Variety   | Maturity Group <sup>1</sup> | Maturity date <sup>2</sup> | Plant     |             | Protein % | Oil % | Test Weight lbs/bu | Yield |           |
|------------|-----------|-----------------------------|----------------------------|-----------|-------------|-----------|-------|--------------------|-------|-----------|
|            |           |                             |                            | Height in | Lodging 0-9 |           |       |                    | 2011  | 2-yr Avg. |
| Pioneer    | 900Y71    | 00.7                        | 9/14                       | 39.6      | 0.0         | 33.0      | 19.2  | 58.2               | 41.2  | 44.8      |
| Pioneer    | 900Y81    | 00.8                        | 9/18                       | 41.1      | 0.3         | 31.4      | 18.8  | 58.8               | 44.9  | --        |
| Proseed    | P2 11-10  | 0.1                         | 9/21                       | 42.1      | 0.1         | 32.9      | 19.4  | 57.4               | 43.0  | --        |
| Proseed    | P2 10-20  | 0.2                         | 9/17                       | 40.4      | 0.8         | 31.2      | 19.1  | 54.7               | 43.7  | 53.5      |
| Proseed    | P2 11-30  | 0.3                         | 9/23                       | 42.7      | 0.1         | 31.8      | 18.8  | 56.1               | 40.4  | --        |
| Proseed    | P2 11-50  | 0.4                         | 9/22                       | 42.5      | 0.3         | 32.1      | 18.3  | 55.2               | 44.4  | --        |
| REA        | 58G82     | 00.8                        | 9/18                       | 40.9      | 1.1         | 30.8      | 19.1  | 56.1               | 47.3  | --        |
| REA        | 59G51     | 00.9                        | 9/17                       | 40.7      | 2.5         | 32.0      | 18.9  | 56.1               | 45.3  | 53.1      |
| REA        | 61G21     | 0.1                         | 9/17                       | 40.6      | 1.7         | 30.4      | 20.1  | 58.3               | 45.7  | 54.4      |
| REA        | 62G22     | 0.2                         | 9/21                       | 41.9      | 1.0         | 32.2      | 18.4  | 56.2               | 44.9  | --        |
| REA        | 63G31     | 0.3                         | 9/19                       | 41.4      | 0.4         | 30.8      | 18.7  | 56.5               | 43.5  | --        |
| Seeds 2000 | 0091 RR2Y | 00.9                        | 9/16                       | 40.2      | 2.9         | 31.3      | 19.3  | 57.2               | 51.3  | --        |
| Thunder    | 30005RR   | 00.5                        | 9/21                       | 42.0      | 1.3         | 30.9      | 19.9  | 57.3               | 39.1  | 47.2      |
| Thunder    | 32005R2Y  | 00.5                        | 9/12                       | 38.6      | 0.7         | 32.5      | 19.7  | 56.9               | 44.0  | --        |
| Thunder    | 31009R2Y  | 00.9                        | 9/17                       | 40.4      | 2.4         | 31.8      | 19.0  | 55.6               | 44.1  | 52.4      |
| Thunder    | 3201R2Y   | 0.1                         | 9/18                       | 41.1      | 0.9         | 32.5      | 18.7  | 56.3               | 42.6  | --        |
| Thunder    | 3102R2Y   | 0.2                         | 9/21                       | 42.2      | 0.1         | 32.3      | 19.5  | 56.8               | 43.9  | --        |
| Wensman    | W 30042R2 | 00.4                        | 9/13                       | 39.1      | 0.1         | 31.8      | 19.8  | 56.5               | 48.5  | --        |
| Wensman    | W 30066R2 | 00.6                        | 9/14                       | 39.6      | 0.8         | 32.5      | 19.5  | 56.5               | 47.9  | --        |
| Wensman    | W 30084R2 | 00.8                        | 9/15                       | 39.6      | 2.4         | 31.0      | 19.5  | 55.5               | 45.1  | 53.8      |
| Wensman    | W 30091R2 | 00.9                        | 9/17                       | 40.7      | 1.5         | 30.2      | 19.8  | 57.9               | 45.3  | 53.4      |
| Trial Mean |           |                             | 9/18                       | 40.8      | 1.0         | 31.6      | 19.3  | 56.7               | 44.7  | --        |
| C.V. %     |           |                             | 1.5                        | 1.5       | 101.7       | 1.8       | 1.9   | 2.5                | 6.2   | --        |
| LSD 5%     |           |                             | 2.1                        | 0.8       | 1.4         | 1.1       | 0.7   | 2.0                | 3.9   | --        |

<sup>1</sup>Maturity Group provided by company

<sup>2</sup>Days to physiological maturity at R7 stage (one brown pod on the main stem obtains mature brown or tan color.)

All lines are commercially available.

Yield, oil and protein reported at 13% moisture. 2 yr yield average includes Devils Lake 2010 data.

Planting Date: June 6, Harvest Date: October 3.

Frost between 29-32°F occurred on September 14-15 in the region. Limited damage on the trial appeared in the upper portions of the plant. Plants continued to mature and no green seed damage was visible.