

2010 ROUNDUP READY SOYBEAN VARIETY - IRRIGATED

WILLISTON RESEARCH EXTENSION CENTER

| Brand/<br>Company   | Cultivar | Days<br>to<br>Bloom | Days to<br>Maturity<br>fr plting<br>a | Canopy<br>Height<br>inches | Seed<br>Protein<br>% | Seed<br>Oil<br>% | Seeds/<br>Pound | Test<br>Weight<br>lb/bu | -----<br>Seed Yield<br>2008 2009 2010<br>-----<br>bu/a | -----<br>Average<br>2 yr 3 yr<br>----- |
|---------------------|----------|---------------------|---------------------------------------|----------------------------|----------------------|------------------|-----------------|-------------------------|--|--|
| Peterson Farms Seed | 0806 RR  | 57.0                | 122.0                                 | 33.6                       | 31.1                 | 19.1             | 3186            | 57.6                    | -- -- 70.9   | -- --                                  |
| Peterson Farms Seed | 1002 RR  | 57.0                | 117.8                                 | 29.1                       | 31.1                 | 20.0             | 2242            | 57.1                    | -- -- 70.3   | -- --                                  |
| ASGROW              | AG 00501 | 54.0                | 114.0                                 | 32.5                       | 31.6                 | 19.7             | 2828            | 57.6                    | 55.5 53.4 67.8   | 60.6 58.9                              |
| ASGROW              | AG 00603 | 54.0                | 114.0                                 | 32.7                       | 32.8                 | 18.9             | 3065            | 58.2                    | 54.2 61.4 65.3   | 63.4 60.3                              |
| ASGROW              | AG 00901 | 55.0                | 115.5                                 | 34.4                       | 31.7                 | 19.4             | 2550            | 58.6                    | 52.0 66.2 65.0   | 65.6 61.1                              |
| ASGROW              | AG 0202  | 55.0                | 119.5                                 | 36.1                       | 31.1                 | 19.1             | 2595            | 58.1                    | 53.2 61.9 68.8   | 65.4 61.3                              |
| ASGROW              | AG 0331  | 55.0                | 122.0                                 | 35.1                       | 33.0                 | 18.0             | 2560            | 56.9                    | -- -- 73.2   | -- --                                  |
| ASGROW              | AG 0401  | 57.0                | 122.0                                 | 32.3                       | 31.9                 | 19.2             | 2824            | 56.6                    | -- -- 67.8   | -- --                                  |
| ASGROW              | AG 0430  | 56.8                | 122.0                                 | 34.1                       | 33.3                 | 18.2             | 3192            | 57.7                    | -- -- 72.6   | -- --                                  |
| MEAN                |          | 55.6                | 118.8                                 | 33.3                       | 32.0                 | 19.1             | 2782            | 57.6                    | 53.7 61.5 69.1   | -- --                                  |
| C.V. %              |          | 0.3                 | 1.0                                   | 5.8                        | 1.1                  | 0.7              | 2               | 0.3                     | -- 7.4 6.1   | -- --                                  |
| LSD 5%              |          | 0.2                 | 1.8                                   | 2.8                        | 0.8                  | 0.3              | 118             | 0.4                     | -- 6.9 NS  | -- --                                  |

a - Physiological maturity rated visually. September 17th frost date was 122 days from planting.

Planted: May 18 Previous Crop: Durum

Harvested: October 5

Seed protein percentages reported on a 13% moisture basis.