

**NDSU Carrington Research Extension Center  
2014 Variety Trial Data**

|                            |                   |
|----------------------------|-------------------|
| <b>Field Pea - Organic</b> | <b>Carrington</b> |
|----------------------------|-------------------|

| Variety                      | Plant Stand<br>sq/ft | Days to Bloom | Bloom Duration | Days to PM | Bloom Plant Ht. <sup>1</sup><br>inch | PM Plant Ht. <sup>2</sup><br>inch | Harvest Plant Ht. <sup>3</sup><br>inch | Plant Lodge<br>0-9 | Seed Protein<br>% | Seeds/<br>Pound | Test Weight<br>lb/bu | - Seed Yield -<br>3-yr. Avg. |                   |
|------------------------------|----------------------|---------------|----------------|------------|--------------------------------------|-----------------------------------|--|--------------------|-------------------|-----------------|----------------------|------------------------------|-------------------|
|                              |                      |               |                |            |                                      |                                   |  |                    |                   |                 |                      | 2014                         | ----- bu/ac ----- |
| <b>Yellow Cotyledon Type</b> |                      |               |                |            |                                      |                                   |  |                    |                   |                 |                      |                              |                   |
| Agassiz                      | 5.2                  | 54.0          | 23.3           | 95.8       | 36.0                                 | 19.7                              | 18.0                                   | 6.0                | 26.2              | 1970            | 64.6                 | 69.8                         | 60.2              |
| Bridger                      | 8.4                  | 53.0          | 20.5           | 93.0       | 36.6                                 | 22.4                              | 19.1                                   | 3.8                | 25.0              | 1990            | 65.1                 | 71.1                         | --                |
| CDC Meadow                   | 8.0                  | 53.0          | 22.5           | 91.0       | 30.7                                 | 18.2                              | 17.5                                   | 5.8                | 25.3              | 2169            | 65.1                 | 66.9                         | 61.6              |
| DS Admiral                   | 8.0                  | 53.8          | 18.8           | 89.8       | 31.1                                 | 17.6                              | 16.4                                   | 7.0                | 24.8              | 1966            | 64.2                 | 58.4                         | 51.3              |
| Nette                        | 9.7                  | 53.5          | 19.0           | 92.0       | 34.7                                 | 21.6                              | 20.3                                   | 5.0                | 24.3              | 2002            | 65.2                 | 77.1                         | --                |
| PUSA 0414                    | 7.6                  | 51.2          | 24.3           | 94.6       | 40.7                                 | 21.0                              | 17.9                                   | 3.9                | 26.2              | 1659            | 64.6                 | 73.2                         | --                |
| PUSA 0814                    | 9.4                  | 54.2          | 18.6           | 93.6       | 39.4                                 | 24.2                              | 19.3                                   | 2.9                | 26.2              | 1844            | 64.5                 | 72.9                         | --                |
| PUSA 11001                   | 9.5                  | 48.9          | 24.6           | 93.3       | 34.0                                 | 20.5                              | 17.4                                   | 5.2                | 27.3              | 1929            | 64.5                 | 72.6                         | --                |
| PUSA 11001-2                 | 7.2                  | 49.5          | 23.3           | 91.0       | 32.1                                 | 18.9                              | 17.2                                   | 6.0                | 26.1              | 1852            | 64.1                 | 67.9                         | --                |
| PUSA 12001                   | 10.2                 | 57.2          | 16.3           | 94.3       | 34.5                                 | 23.0                              | 18.5                                   | 3.6                | 26.6              | 1713            | 64.4                 | 71.7                         | --                |
| PUSA exp 1300                | 9.5                  | 55.0          | 16.3           | 95.0       | 33.2                                 | 21.1                              | 19.2                                   | 4.0                | 27.2              | 2012            | 64.2                 | 65.5                         | --                |
| PUSA exp 312                 | 9.7                  | 50.9          | 21.6           | 92.0       | 30.6                                 | 21.1                              | 20.3                                   | 4.9                | 25.8              | 1798            | 64.6                 | 70.4                         | --                |
| PUSA exp 512                 | 10.0                 | 52.1          | 18.5           | 94.3       | 30.6                                 | 18.2                              | 18.4                                   | 5.5                | 26.2              | 1966            | 64.2                 | 66.9                         | --                |
| PUSA exp 612                 | 8.9                  | 49.8          | 21.3           | 94.0       | 32.3                                 | 20.1                              | 20.8                                   | 5.0                | 27.1              | 1793            | 64.6                 | 65.2                         | --                |
| Salamanca                    | 9.9                  | 57.3          | 15.8           | 94.5       | 33.6                                 | 23.1                              | 20.4                                   | 4.5                | 27.0              | 1773            | 64.9                 | 68.9                         | --                |
| Spider                       | 9.6                  | 55.8          | 19.8           | 94.8       | 36.3                                 | 20.2                              | 18.1                                   | 7.3                | 26.0              | 1848            | 65.4                 | 74.1                         | 57.7              |
| <b>Green Cotyledon Type</b>  |                      |               |                |            |                                      |                                   |  |                    |                   |                 |                      |                              |                   |
| Bluemoon                     | 7.4                  | 54.3          | 16.8           | 93.3       | 30.7                                 | 19.8                              | 17.9                                   | 6.3                | 26.4              | 1826            | 63.9                 | 66.4                         | --                |
| CDC Striker                  | 3.9                  | 57.0          | 16.3           | 94.8       | 30.3                                 | 20.9                              | 19.6                                   | 5.8                | 27.2              | 1875            | 65.0                 | 54.9                         | 54.5              |
| Cruiser                      | 6.1                  | 54.3          | 22.3           | 94.0       | 32.1                                 | 18.2                              | 18.3                                   | 5.8                | 25.8              | 2220            | 64.6                 | 62.7                         | 53.0              |
| Ginny                        | 10.0                 | 53.5          | 21.0           | 93.3       | 30.3                                 | 16.1                              | 14.7                                   | 7.5                | 25.7              | 2355            | 64.6                 | 70.7                         | --                |
| K2                           | 11.1                 | 53.0          | 20.0           | 92.5       | 31.6                                 | 20.3                              | 17.7                                   | 6.3                | 24.8              | 2124            | 65.0                 | 63.8                         | --                |
| Majoret                      | 6.6                  | 54.5          | 20.0           | 93.5       | 31.8                                 | 15.4                              | 15.6                                   | 8.3                | 26.3              | 2049            | 64.3                 | 64.1                         | 56.0              |
| Matrix                       | 6.9                  | 58.5          | 13.8           | 94.3       | 32.3                                 | 17.8                              | 16.0                                   | 6.5                | 24.2              | 1666            | 64.8                 | 69.4                         | --                |
| PUSA 0114                    | 8.8                  | 52.9          | 18.9           | 91.0       | 27.4                                 | 17.9                              | 17.3                                   | 5.2                | 25.0              | 1763            | 65.3                 | 68.2                         | --                |
| PUSA exp 1310                | 10.4                 | 55.9          | 15.3           | 93.0       | 29.9                                 | 19.6                              | 19.1                                   | 5.6                | 26.6              | 1678            | 65.1                 | 67.1                         | --                |
| Shamrock                     | 6.2                  | 59.0          | 17.3           | 97.0       | 34.9                                 | 22.6                              | 17.3                                   | 6.5                | 25.1              | 1816            | 64.4                 | 58.4                         | --                |
| SW Arcadia                   | 9.6                  | 54.8          | 19.0           | 92.5       | 31.0                                 | 13.2                              | 14.0                                   | 9.0                | 25.8              | 2283            | 64.2                 | 69.6                         | --                |
| Mean                         | 8.4                  | 54.0          | 19.4           | 93.5       | 32.7                                 | 19.7                              | 18.1                                   | 5.7                | 25.9              | 1935            | 64.6                 | 67.4                         | --                |
| C.V. (%)                     | 13.1                 | 1.2           | 5.6            | 1.0        | 8.7                                  | 13.3                              | 14.1                                   | 18.6               | 2.1               | 4               | 0.9                  | 6.3                          | --                |
| LSD 0.10                     | 1.4                  | 0.8           | 1.3            | 1.1        | 3.4                                  | 3.1                               | 2.1                                    | 1.2                | 0.6               | 99              | 0.7                  | 5.0                          | --                |

**Planting Date = May 2; Harvest Date = August 12; Previous Crop = Wheat**

<sup>1</sup> Bloom height taken at beginning bloom

<sup>2</sup> PM height taken at PM

<sup>3</sup> Harvest height taken at harvest