

**2007 Columbia Basin Onion Cultivar Demonstration Results**

| Seed Company & Cultivar      | Usable Yield (tons/acre) | Colossal Over 4" | Jumbo 3-4" | Medium 2 1/4-3' | Pre pack Under 2 1/4-3" | Culls | Top Down Rating 8/21 | Top Down Rating 9/4 | Top Down Rating 9/14 |
|------------------------------|--------------------------|------------------|------------|-----------------|-------------------------|-------|----------------------|---------------------|----------------------|
| <b><u>American Takii</u></b> |                          |                  |            |                 |                         |       |                      |                     |                      |
| Centerstone                  | 42.0                     | 4                | 82         | 4               | 0                       | 10    | 10                   | 100                 | 100                  |
| Frontier                     | 31.8                     | 0                | 80         | 16              | 0                       | 4     | 60                   | 100                 | 100                  |
| Milestone                    | 35.6                     | 14               | 74         | 9               | 0                       | 2     | 15                   | 100                 | 100                  |
| Ruby Ring (R)                | 34.4                     | 0                | 63         | 33              | 2                       | 2     | 22                   | 98                  | 100                  |
| T-433                        | 49.6                     | 11               | 75         | 6               | 2                       | 6     | 7                    | 90                  | 98                   |
| <b><u>Bejo Seeds</u></b>     |                          |                  |            |                 |                         |       |                      |                     |                      |
| BGS 231                      | 40.5                     | 0                | 78         | 15              | 2                       | 6     | 37                   | 93                  | 100                  |
| Calibra                      | 42.0                     | 2                | 65         | 26              | 4                       | 4     | 70                   | 80                  | 100                  |
| Crockett                     | 40.8                     | 0                | 71         | 25              | 0                       | 4     | 28                   | 97                  | 100                  |
| Delgado                      | 42.4                     | 2                | 72         | 19              | 2                       | 5     | 35                   | 97                  | 100                  |
| Desperado                    | 39.4                     | 4                | 68         | 20              | 2                       | 6     | 67                   | 100                 | 100                  |
| Gunnison                     | 42.2                     | 0                | 66         | 27              | 4                       | 4     | 63                   | 100                 | 100                  |
| Peso                         | 39.3                     | 6                | 67         | 10              | 4                       | 13    | 38                   | 93                  | 98                   |
| Red Bull (R)                 | 39.0                     | 0                | 75         | 17              | 2                       | 6     | 10                   | 93                  | 100                  |
| Sedona                       | 44.2                     | 2                | 74         | 13              | 0                       | 11    | 12                   | 97                  | 100                  |
| Snowflake (W)                | 41.4                     | 2                | 83         | 13              | 0                       | 2     | 58                   | 100                 | 100                  |
| Talon                        | 42.9                     | 0                | 77         | 21              | 2                       | 0     | 43                   | 100                 | 100                  |
| Tamara                       | 42.6                     | 0                | 87         | 12              | 0                       | 2     | 23                   | 100                 | 100                  |
| White Wing (W)               | 45.8                     | 5                | 67         | 23              | 2                       | 3     | 93                   | 100                 | 100                  |
| <b><u>Crookham Co.</u></b>   |                          |                  |            |                 |                         |       |                      |                     |                      |
| Harmony                      | 38.1                     | 17               | 66         | 2               | 0                       | 15    | 12                   | 88                  | 92                   |
| Nobility                     | 32.7                     | 0                | 54         | 40              | 2                       | 4     | 45                   | 98                  | 100                  |
| OLYSO3-207                   | 41.4                     | 17               | 80         | 3               | 0                       | 0     | 7                    | 48                  | 80                   |
| OLYSO 5N5                    | 41.9                     | 10               | 78         | 7               | 0                       | 5     | 3                    | 53                  | 85                   |
| <b><u>D. Palmer Seed</u></b> |                          |                  |            |                 |                         |       |                      |                     |                      |
| DPS 1413                     | 33.9                     | 0                | 73         | 23              | 0                       | 4     | 70                   | 100                 | 100                  |
| DPS 1414                     | 27.4                     | 0                | 64         | 30              | 2                       | 4     | 65                   | 100                 | 100                  |
| DPS 1415                     | 29.0                     | 0                | 57         | 37              | 0                       | 6     | 28                   | 100                 | 100                  |
| DPS 1416                     | 32.8                     | 0                | 69         | 25              | 0                       | 6     | 83                   | 100                 | 100                  |
| DPS 1417                     | 35.1                     | 4                | 74         | 13              | 0                       | 9     | 50                   | 98                  | 100                  |
| DPS 1418                     | 38.1                     | 0                | 54         | 44              | 2                       | 0     | 58                   | 100                 | 100                  |
| DPS 1419                     | 33.3                     | 0                | 61         | 37              | 0                       | 2     | 85                   | 100                 | 100                  |
| Evolution                    | 37.0                     | 25               | 69         | 3               | 0                       | 3     | 5                    | 57                  | 85                   |
| Generation X                 | 51.2                     | 2                | 82         | 14              | 2                       | 0     | 13                   | 97                  | 100                  |
| Mesquite                     | 36.4                     | 21               | 59         | 8               | 3                       | 10    | 7                    | 75                  | 90                   |
| Tequila                      | 39.3                     | 22               | 61         | 5               | 0                       | 12    | 13                   | 92                  | 95                   |

| Seed Company & Cultivar       | Usable Yield (tons/acre) | Colossal Over 4" | Jumbo 3-4" | Medium 2 1/4-3' | Pre pack Under 2 1/4-3" | Culls    | Top Down Rating 8/21 | Top Down Rating 9/4 | Top Down Rating 9/14 |
|-------------------------------|--------------------------|------------------|------------|-----------------|-------------------------|----------|----------------------|---------------------|----------------------|
| <b><u>Global Genetics</u></b> |                          |                  |            |                 |                         |          |                      |                     |                      |
| 6093                          | 44.6                     | 7                | 68         | 13              | 0                       | 13       | 10                   | 88                  | 95                   |
| Maverick                      | 41.0                     | 13               | 63         | 11              | 0                       | 13       | 10                   | 92                  | 97                   |
| Outlaw                        | 34.6                     | 10               | 75         | 8               | 0                       | 8        | 32                   | 95                  | 100                  |
| Ringleader                    | 34.2                     | 39               | 50         | 4               | 0                       | 7        | 12                   | 87                  | 93                   |
| <b><u>Nippon Norin</u></b>    |                          |                  |            |                 |                         |          |                      |                     |                      |
| RE-E                          | 33.3                     | 2                | 80         | 5               | 0                       | 12       | 7                    | 97                  | 100                  |
| <b><u>Nunhems USA</u></b>     |                          |                  |            |                 |                         |          |                      |                     |                      |
| Arcero                        | 49.9                     | 5                | 78         | 13              | 0                       | 4        | 10                   | 92                  | 98                   |
| Grand Coulee                  | 38.1                     | 0                | 79         | 19              | 0                       | 2        | 28                   | 98                  | 100                  |
| Granero                       | 44.2                     | 2                | 80         | 9               | 2                       | 7        | 12                   | 95                  | 100                  |
| Joaquin                       | 44.8                     | 2                | 75         | 11              | 4                       | 8        | 5                    | 83                  | 92                   |
| Montero                       | 53.1                     | 9                | 76         | 12              | 0                       | 3        | 82                   | 100                 | 100                  |
| Pandero                       | 43.1                     | 4                | 75         | 14              | 0                       | 7        | 8                    | 93                  | 100                  |
| Ranchero                      | 49.3                     | 5                | 80         | 7               | 2                       | 5        | 40                   | 95                  | 100                  |
| Sabroso                       | 42.0                     | 0                | 78         | 16              | 4                       | 2        | 12                   | 97                  | 100                  |
| Salsa (R)                     | 40.5                     | 2                | 75         | 16              | 0                       | 7        | 37                   | 98                  | 100                  |
| Vaquero                       | 47.6                     | 12               | 75         | 6               | 2                       | 6        | 27                   | 95                  | 100                  |
| <b><u>Sakata Seed</u></b>     |                          |                  |            |                 |                         |          |                      |                     |                      |
| Spanish Medallion             | 48.4                     | 26               | 62         | 6               | 0                       | 6        | 62                   | 97                  | 100                  |
| <b><u>Seminis Seeds</u></b>   |                          |                  |            |                 |                         |          |                      |                     |                      |
| Affirmed                      | 42.3                     | 23               | 59         | 7               | 0                       | 11       | 20                   | 97                  | 100                  |
| Caveat                        | 41.7                     | 2                | 66         | 29              | 3                       | 0        | 85                   | 100                 | 100                  |
| Charismatic                   | 44.4                     | 8                | 73         | 10              | 2                       | 6        | 27                   | 93                  | 98                   |
| Grateful Red-(R)              | 36.9                     | 2                | 56         | 32              | 5                       | 5        | 58                   | 100                 | 100                  |
| Monachos                      | 41.7                     | 11               | 77         | 5               | 0                       | 7        | 32                   | 97                  | 100                  |
| Orizaba-(W)                   | 42.3                     | 2                | 72         | 10              | 2                       | 14       | 52                   | 97                  | 100                  |
| Toluca-(W)                    | 39.4                     | 4                | 72         | 9               | 2                       | 13       | 27                   | 97                  | 98                   |
| XP 15875                      | 41.9                     | 2                | 74         | 22              | 0                       | 2        | 70                   | 100                 | 100                  |
| XP 18304                      | 42.7                     | 10               | 73         | 15              | 0                       | 2        | 28                   | 95                  | 100                  |
| XP 7011                       | 34.2                     | 0                | 60         | 38              | 0                       | 2        | 42                   | 98                  | 100                  |
| <b>Averages</b>               | <b>40.3</b>              | <b>6</b>         | <b>71</b>  | <b>16</b>       | <b>1</b>                | <b>6</b> | <b>35</b>            | <b>93</b>           | <b>98</b>            |

(R)-Red onion, (W)-White onion

Bulb Size and defects are expressed as a percentage of the total bulbs harvested from each plot averaged over the three replicates. Top Down Ratings are expressed as a percentage of the tops estimated to have fallen at the date for the three readings.

The plots were planted on March 22, 2007 with a Stanhay belt planter on 44 inch beds and 4 inch seed spacing. The center pivot irrigated field was owned and farmed by Brent Hartley, Hartley Farms and was located at the Corner of Reese and Travis Rd. Northeast of Paterson, WA. The surrounding cultivar was Tamara, and plots were 44" by 30 feet with 5 foot buffer. Plots were lifted on September 10, 2007 and harvested on September 24, 2007.

Data is expressed as an average of three replications.

**Participating Companies:**

American Takii- 301 Natividad Rd, Salinas, CA 93906  
Bejo Seeds-1972 Silver Spur Place, Oceano, CA 93445  
Crookham Co.-PO Box 520, Caldwell, ID 83606  
D. Palmer Seed-8269 S Highway 95, Yuma, AZ 85365  
Global Genetics-PO Box 849, Payette, ID  
Nippon Norin-3219 Mariner Lane, Longmont, CO 90503  
Nunhems USA-8850 59th Ave. NE, Brooks, OR 97305  
Sakata Seed-New Mexico Station, PO Drawer F, Messilla, NM 88046  
Seminis Vegetable Seeds-32537 Apple Valley Rd, Parma, ID 83660

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Dennis Atkinson, Marcel Wanders, and Casey Ganskie, *Seminis Seeds*  
Brenda Schroeder, *WSU Pullman*  
Mike Derie, *WSU Mount Vernon*  
Newt Stanger, Joey Rose and Jason Turner, *Logan Zenner Seed*  
Casey Crookham, *Scottseed*  
Ron Hull, *Osborne Seed*  
Jim Christopherson, *Keithly Williams*  
Ryan Driver, *Bejo Seeds*  
Steve Graton, *Champion Seed*  
Doug Walsh, *WSU Prosser*

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