

## 2004 COLUMBIA BASIN ONION STORAGE DEMONSTRATION RESULTS<sup>1</sup>

### Percentage by Number<sup>3</sup>

Seed Company & Cultivar <sup>2</sup>	Neck Rot	Other Rot	Sprouted	Single Centers	Comments <sup>4</sup>
<b><u>American Takii</u></b>					
Milestone	2	4	0	58	4, 3, 4, DB
T-433	42	10	0	38	4, 4, 3
T-439	34	10	0	46	3, 3, 3, DB
T-817 ●	16	2	0	68	2, 3, 4, DB
9003 G	24	0	0	68	4, 4, 4, DB
<b><u>Bejo Seeds</u></b>					
Copra	10	2	0	36	5, 4, 4
Daytona	14	2	0	46	5, 5, 3
Gunnison	6	6	0	86	4, 4, 4
Redwing ●	20	2	0	64	4, 4, 5, DB
Tamara	6	4	0	66	5, 3, 3, DB
BGS 194	10	6	0	72	5, 4, 3
BGS 196	28	4	0	64	4, 5, 4
BGS 199	40	4	0	40	3, 4, 4
<b><u>Crookham Co.</u></b>					
Genesis	14	4	0	46	3, 2, 2
Harmony	36	18	0	34	3, 3, 4
OLYH 02N2	4	4	0	68	3, 3, 3
<b><u>Global Genetics</u></b>					
Varsity	18	2	0	72	4, 3, 3
SWO 4001	14	4	0	62	4, 3, 3, DB
SWO 6001	40	10	0	60	3, 5, 3
SWO 6011	28	12	0	66	3, 5, 4

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<b><u>Nippon Norin</u></b>					
Tenshin	20	6	0	46	4, 3, 3
RE-E	4	6	0	74	5, 3, 4
W-10	6	0	0	50	4, 3, 3, DB
W-20	24	0	0	54	4, 3, 4, DB
<b><u>Nunhems</u></b>					
Bandolero	6	2	0	82	5, 3, 4
Flamenco ●	8	4	0	64	3, 2, 4, DB
Granero	42	8	0	72	5, 4, 4
Ranchero	24	18	0	66	3, 4, 3
Sabroso	14	6	0	74	4, 4, 4
Salsa ●	28	4	0	50	2, 2, 4, DB
Tesoro	34	6	0	48	3, 4, 2
Vaquero	32	8	0	82	4, 4, 5
SX 7002	16	4	0	88	3, 3, 3
SX 7004	26	12	0	88	4, 4, 5
<b><u>Seminis Vegetable Seed</u></b>					
Golden Spike	44	0	0	36	2, 3, 3, DB
Pinnacle	10	0	0	48	3, 3, 4, DB
Red Zeplin ●	8	4	0	42	3, 3, 4
Seahawk	12	6	0	44	3, 2, 3, DB
Tioga	18	4	0	52	4, 3, 3
EX 15122	18	6	0	56	3, 3, 3, DB
PX 2599	34	12	0	54	4, 5, 4
PX 5299	38	6	0	60	3, 4, 5
SVR 5646 ▲	14	10	0	50	3, 4, 4
SVR 5819	38	8	0	62	3, 5, 3
SVR 7004	8	6	0	64	4, 4, 3, DB
SVR 7106 ▲	34	26	0	40	2, 3, 3
<b>Averages</b>	<b>21.2</b>	<b>6.1</b>	<b>0.0</b>	<b>58.8</b>	<b>3.6, 3.5, 3.6</b>

▲ = white onion

● = red onion

1. Bulbs were harvested and placed in storage on September 23rd. Most cultivars had good field maturity, but some rainfall occurred in the week prior to harvest. Maleic hydrazide was applied to this furrow irrigated crop. Bulbs were held in mesh sacks within commercial bin storage (not heat cured) until evaluation on February 4, 2005.
2. American Takii Inc., 301 Natividad Rd, Salinas, CA 93906, 408.443.4901  
 Bejo Seed Co., PO Box 40607, Eugene, OR 97404, 541.953.2090  
 Crookham Company, PO Box 520, Caldwell, ID 83606, 208.459.7451  
 Global Genetics, 3424 Roberto Court, San Luis Obispo, CA 93401, 208.642.0301  
 Nippon Norin, PO Box 1477, Longmont, CO 80501, 303.678.7333  
 Nunhems, 908 Riverview Ave., Selah, WA 98942, 509.698.6411  
 Seminis Vegetable Seed, 425 N. Columbia Center Blvd., Kennewick, WA 99336, 509.374.2805
3. Expressed as a percentage by number of bulbs; 50 bulbs evaluated per entry.
4. The comments are listed in the order; Bulb Firmness, Scale Retention and Bulb Shape Uniformity. Each category was rated on a scale of 1 to 5 with 5 being the highest or most desirable and 1 being commercially unacceptable. "DB" indicates a significant number of bulbs in which dormancy was broken (internal green shoots).

**Firmness**

5=extremely firm  
 3=average  
 1=extremely soft

**Scale Retention**

5=excellent scales retained  
 3=average; few split scales  
 1=poor scale retention  
 Numerous "bald" onions

**Shape Uniformity**

5=highly uniform shape  
 3=average  
 1=extremely variable shape

***Special thanks for their cooperation and interest to:***

Wayne and Richard Ker, David Rupert, Ker Farms, Quincy, WA  
 Kerrick & Larry Bauman, L&L Farms, Connell, WA  
 Jim Christopherson & Joey Rose, Keithly Williams Seed, Pasco, WA  
 K. C. Crookham, Scottseed, Ontario, OR  
 Dan Gabiola & Steve Graton, Champion Seed, Payette, ID & Prosser, WA  
 Curtis Gubler, Nunhems, Parma, ID  
 John Marchese, Seminis Vegetable Seed, Kennewick, WA  
 Darlene Maxwell, Bejo Seed, Payette, ID  
 Newt Stanger, Logan-Zenner Seed, Irrigon, OR

This and earlier onion demonstration data can be viewed at our website: <http://www.grant-adams.wsu.edu/>

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