

2003 COLUMBIA BASIN ONION STORAGE DEMONSTRATION RESULTS ¹

Percentage by Number³

Seed Company & Cultivar ³	Neck Rot	Other Rot	Sprouted	Single Centers	Comments ⁴
<u>American Takii</u>					
Milestone	0	2	0	50	3,3,4
T-433	2	0	0	48	3,2,4 (some internal dry scales)
T-439	0	0	0	38	3,2,2,
T-467	0	0	0	26	3,2,3
<u>Bejo</u>					
Copra	0	0	0	50	5,4,4
Daytona	0	2	0	36	4,5,4
Delgado	0	0	0	34	4,5,4
Gladstone▲	2	0	0	50	3,3,2
Gunnison	0	0	0	72	4,5,4
Legend	0	0	0	44	4,5,4
Redwing●	2	0	0	78	4,4,5
Sharon	0	0	0	44	3,3,3
Tamara	0	0	0	60	5,4,4
Winston	14	0	0	42	3,3,2
BGS 167	0	2	0	56	4,5,5

Percentage by Number³

Seed Company & Cultivar ³	Neck Rot	Other Rot	Sprouted	Single Centers	Comments ⁴
<u>Crookham</u>					
Harmony	2	8	0	44	2,2,3 (some internal dry scales)
XPH 95345	0	0	0	34	2,2,3
<u>Global Genetics</u>					
Varsity	0	0	0	84	3,3,3
SWO 4001	0	0	0	60	3,2,3
SWO 4014	0	0	0	40	3,3,3
SWO 6001	0	2	0	78	2,2,3
SWO 6005	0	2	0	82	3,3,4
SWO 6011	2	0	0	92	3,4,3
<u>Nippon Norin</u>					
Tenshin	4	0	0	52	4,2,4
RE-E	0	0	0	62	4,4,5
W-10	0	0	0	38	4,3,3
W-20	2	0	0	72	4,3,4
<u>Seminis Vegetable Seed</u>					
Red Zeppelin●	2	4	0	6	4,4,4
Seahawk (EX 15232)	0	0	0	64	4,3,3
Tioga	0	0	0	52	3,3,5
EX 15122	2	2	0	70	4,4,3
SVR 62088	0	2	0	48	3,3,4
<u>Scottseed</u>					
Dawn	4	10	0	10	2,2,2
Red Marksman●	10	2	0	16	2,3,3

Percentage by Number³

Seed Company & Cultivar ³	Neck Rot	Other Rot	Sprouted	Single Centers	Comments ⁴
<u>Sunseeds</u>					
Flamenco●	0	0	0	20	3,3,3
Granero	2	6	0	80	3,5,5
Ranchero	0	2	0	80	2,3,2
Sabroso	0	0	0	84	4,4,4
Tesoro	4	2	0	50	3,3,3
Vaquero	0	0	0	84	3,2,3
SX 7000	0	0	0	84	5,4,4
SX 7002	0	0	0	90	2,3,3
SX 9000●	4	4	0	44	3,3,3
<u>Vilmorin</u>					
Lorenzos	0	0	0	0	3,3,3
NIZ 3732	2	0	0	26	3,3,3
NIZ 3746	0	2	0	52	4,5,3
Averages	1.3	1.2	0	52.7	3.3, 3.3, 3.4

● = red onion

▲ = white onion

- 1 Bulbs were harvested and placed in storage on September 12th. Most cultivars had good field maturity. Maleic hydrazide was applied to this center pivot irrigated crop. Bulbs were held in mesh sacks within commercial refrigerated bin storage (not heat cured) until evaluation on February 6, 2004.
- 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
Seminis Vegetable Seed, 425 N. Columbia Center Blvd, Kennewick, WA (509) 430-6695
Scottseed, PO Box 144, Caldwell, ID 83606, (208) 454-2679
Sunseeds Inc., 908 Riverview Ave., Selah, WA, (509) 854-1365
Vilmorin Inc. (Nickerson-Zwaan Seeds), PO Box 707, Empire, CA 95319, (209) 529-6000
- 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.

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

All red cultivars had commercially acceptable internal scale color.

Special thanks for their cooperation and interest to:

Lorin Grigg Sr., Lorin Grigg Jr., and the Crew at Grigg Farms, Quincy, WA
Kerrick Bauman & Frank Baxter, L&L Farms, Connell, WA
Zane Beams, Appleton Produce, Weiser, ID
Jim Christopherson, Keithly Williams Seed, Pasco, WA
Casey Crookham, Scottseed, Caldwell, ID
Steve Graton, & Don Gabiola, Champion Seed, Walla Walla, WA, & Payette, ID
Rich Hannen & Barbara Hellier, USDA Plant Introduction Center, Pullman, WA
Jim Lovelace & Darlene Maxwell & Rich Pollard, Bejo Seed, Pasco, WA, Caldwell, ID & Eugene, OR
John Marchese, Seminis Vegetable Seed, Kennewick, WA
Chris Osborne, Osborne Seed, Mt. Vernon, WA
Rich Rasmussen, Sunseeds, Selah, WA
Newt Stanger, Logan-Zenner Seed, Irrigon, OR
Keith Wigen, Snow Seed, Rockford, WA

Gary Q. Pelter
Area Extension Agent Vegetable/Vegetable Seed
PO Box 37
Ephrata WA 98823
(509) 754-2011 Ext. 413

Prepared by Bonnie Bright
04-02-01