

1999 COLUMBIA BASIN ONION STORAGE DEMONSTRATION RESULTS¹

Percent by Number³

Seed Company & Cultivar ²	Neck Rot	Other Rot	Sprouted	Single Centers	Comments ⁴
<u>American Takii</u>					
Condor	6	0	0	8	3,3,3
Eagle (T-406)	0	0	0	12	4,2,4
Frontier	4	0	0	6	4,4,4
T-418	4	0	0	0	3,2,3
T-433	2	2	0	24	4,3,3
T-434	2	0	0	36	4,4,3
T-439	6	6	0	12	4,2,4
<u>Aristogenes</u>					
Bravo	4	0	0	42	3,4,4
Envoy	16	2	0	34	3,4,2
Maritime	0	0	0	44	3,2,4
Seville	6	6	0	40	3,2,3
<u>Asgrow Seed Co.</u>					
Regiment	4	8	0	38	3,2,3
XPH 15113	4	0	0	22	3,3,2
XPH 15120	8	0	0	10	3,2,2
SPH 15122	0	0	0	38	4,4,4
XPH 15232	8	4	0	32	3,3,3
XPH 15300 ?	2	0	0	20	4,4,4

Percent by Number³

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<u>Bejo Seeds</u>					
Copra	2	0	0	10	5,5,4
Daytona	2	2	0	16	5,4,3
Legend	2	2	0	12	5,5,4
Prince	0	2	0	14	4,4,4
Redwing ?	0	0	0	18	3,3,4
Salem	0	0	0	8	4,5,4
Tamara	2	2	0	12	5,4,4
BGS 153	2	0	0	20	4,5,3
<u>Champion Seed</u>					
Flare ?	0	0	0	22	4,4,3
<u>Duane Palmer Seed</u>					
Husky	4	0	0	4	3,3,2
Kodiak	4	0	0	4	3,3,2
Mesquite	4	0	0	40	3,4,2
Tequila	4	2	0	30	3,3,2
<u>Petoseed</u>					
Ember ?	6	0	2	16	3,3,3
Pinnacle	0	2	0	52	4,3,4
Teton	30	6	0	46	3,3,2
UniGlobe 108	0	4	0	22	3,2,2
Vantage (PX 67691)	0	0	0	60	4,4,4
Vision	4	2	0	48	4,4,3
PS 663395	0	0	0	22	3,2,2

Percent by Number³

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<u>Rio Colorado Seeds</u>					
Raptor (RNX 6171)	2	2	0	34	3,3,4
RNX 10298	2	2	0	24	3,4,4
<u>Seedex Inc.</u>					
Tenshin	4	2	0	2	3,2,4
RE	2	0	0	10	4,3,5
W10-4	0	0	0	16	3,3,4
<u>Sunseeds</u>					
Flamenco ?	6	8	0	2	3,2,4
Millenium	0	0	0	44	4,3,3
Sabroso	0	0	0	50	5,4,4
Tango ?	2	2	0	8	3,3,3
Tesoro	2	0	0	56	3,3,3
Torero (SXO 1436)	2	2	0	48	3,4,4
Vaquero	4	0	0	74	4,4,4
SXO 1428	0	0	0	76	4,5,4
<u>Vilmorin</u>					
Athos	2	0	0	18	5,3,3
Burgos	0	0	0	2	4,4,4
Lorenzos	2	0	0	0	4,2,3
Staccato (VL 224)	0	4	0	6	4,5,4
Averages (All Cultivars)	3.2	1.4	.04	25.1	3.6, 3.3, 3.4

? = red onion

? = white onion

- 1 Bulbs were harvested on September 21 with good field curing on most cultivars, although some sweet Spanish types lacked full curing. Weather conditions were dry two weeks prior to harvest. The demonstration was planted on March 31, 1999; a cooler than normal spring delayed the furrow irrigated crop somewhat. Maleic hydrazide was not applied as a sprout suppressant since bulbs in the surrounding field were not destined for storage. Bulbs were held in commercial bin storage until evaluation on February 4, 2000.
- 2 American Takii Inc., 301 Natividad Rd., Salinas, CA 93906, (408) 443-4901
 Aristogenes Inc., 1081 A Harkins Rd., Salinas, CA 93901, (408) 424-6905
 Asgrow Seed Co., 1801 A Harkins Rd., Salinas, CA 93901, (408) 424-6905
 Bejo Seed Co., PO Box 40607, Eugene, OR 97404, (541) 953-2090
 Champion Seed, 881 W. Stafford Dr., Eagle, ID 83616 (208) 939-8858
 Duane Palmer Seed, 8269 S Highway 95, Yuma, AZ 85635 (520) 341-8494
 Petoseed Co., 15141 S 10 Avenue Circle, Caldwell, ID 83605 (208) 454-0842
 Rio Colorado Seeds, 6558 Meany Avenue, Bakersfield, CA 99331 (805) 857-8574
 Seedex (Nippon Norin), PO Box 1477, Longmont, CO 80501, (303) 678-7333
 Sunseeds Inc., 2210 Stephanie Brooke, Wenatchee, WA 98801, (509) 665-7242
 Vilmorin Inc., 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 evaluated had commercially acceptable internal scale color. 'Flare' was noted to have somewhat nonuniform external color while XPH 15300 seemed to exhibit less thrips feeding injury.

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