

2000 COLUMBIA BASIN ONION STORAGE DEMONSTRATION RESULTS¹

Traditional Harvest Percent by Number³

Seed Company & Cultivar ²	Neck Rot	Other Rot	Sprouted	Single Centers	Comments ⁴
<u>American Takii</u>					
Condor	2	2	0	20	3,2,2
Frontier	2	2	0	20	4,3,4
T-418	0	0	0	20	3,3,4
<u>Asgrow</u>					
Outrigger (XP 15067)	10	0	0	56	4,4,2
Spinnaker (XP 15043)	22	4	0	60	3,4,4
Tradewind (XP 15092)	4	4	0	60	4,4,3
<u>Bejo</u>					
Copra	4	0	0	52	5,5,4
Tamara	2	2	0	32	5,5,4
BGS 156	0	0	0	20	4,4,2
BGS 157	6	2	0	84	4,5,4
<u>Petoseed</u>					
Vantage	4	0	0	66	3,4,4
PS 456994	0	0	0	76	3,4,4

Percent by Number³

Seed Company & Cultivar ²	Neck Rot	Other Rot	Sprouted	Single Centers	Comments ⁴
<u>Seedex</u>					
RE	6	0	0	50	4,3,4
Tenshin	2	2	0	28	4,3,4
W10	0	0	0	62	3,4,3
<u>Sunseeds</u>					
Millenium	2	4	0	76	4,4,2
Sabroso	6	6	0	80	4,5,3
Tesoro	0	0	0	52	3,4,3
<u>Vilmorin</u>					
Lorenzos	4	6	0	2	3,4,4
Staccato	0	4	0	42	5,5,4
NIZ 3729	6	4	0	52	5,5,4
Averages (All Cultivars)					
	3.9	2.0	0.0	47.1	3.8/4.0/3.4

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Later Harvest
Percent by Number³

Seed Company & Cultivar ²	Neck Rot	Other Rot	Sprouted	Single Centers	Comments ⁴
<u>American Takii</u>					
T-406 (Eagle)	6	0	0	38	5,3,4
T-433	40	4	0	46	4,5,3
T-434	22	2	0	24	4,5,3
T-439	10	2	0	20	4,1,4
T-441	0	2	0	58	4,4,3
<u>Asgrow</u>					
XP 15120	20	14	0	30	3,5,3
XP 15122 (Mariner)	0	0	0	52	5,4,3
XP 15232 (Seahawk)	6	4	0	48	4,4,3
XP 15234	26	14	0	50	3,4,3
<u>Bejo</u>					
Daytona	22	2	0	44	5,5,4
Legend	16	0	0	24	5,5,4
Redwing ?	28	2	0	30	4,5,4
<u>Crookham</u>					
XPH 97H4	4	0	0	52	4,4,2
XPH 97H12	10	0	0	44	5,4,3
XPH 97H33	18	10	0	60	3,3,3
XPH 97H36	24	2	0	52	3,4,2

Percent by Number³

Seed Company & Cultivar ²	Neck Rot	Other Rot	Sprouted	Single Centers	Comments ⁴
<u>Duane Palmer</u>					
Frosty?	20	16	0	50	3,4,3
Kodiak	6	6	0	18	4,4,3
Mesquite	40	8	0	46	2,4,3
Tequila	46	18	0	60	3,4,3
<u>Petoseed</u>					
Pinnacle	6	4	0	50	4,5,5
Teton	6	4	0	54	4,4,3
Tioga	6	10	0	58	4,4,3
Vision	24	0	0	80	3,3,3
PS 901695?	20	44	0	60	4,4,4
<u>Sunseeds</u>					
Flamenco?	14	10	0	18	3,3,3
Tango?	6	6	0	24	4,2,4
Vaquero	38	4	0	76	4,5,4
SXO 1428	16	6	0	74	5,5,4
SXO 1430 (Ranchero)	20	13	0	75	4,5,4
<u>Vilmorin</u>					
Burgos	14	4	0	0	4,4,3
Averages (All Cultivars)					
	17.2	6.8	0.0	45.6	3.9/4.0/3.3

?= red onion

? =white onion

1. Bulbs from the traditional harvest were harvested and placed in storage on September 26th. These bulbs had good maturity but suffered several periods of rain prior to harvest. The later harvest bulbs were taken to storage on October 12th with less field maturity than ideal and after being exposed to several more periods of rainfall. Maleic hydrazide was not applied to this drip-irrigated crop. Bulbs were held in sacks within commercial bin storage (non-heated) until evaluation on February 9, 2001.
2. American Takii Inc., 301 Natividad Rd, Salinas, CA 93906, (408) 443-4901
 Asgrow Seed Co., 1081 A Harkins Rd, Salinas, CA 93901, (408) 424-6905
 Bejo Seed Co., PO Box 40607, Eugene, OR 97404, (541) 953-2090
 Crookham Company, PO Box 520, Caldwell, ID 83606, (208) 459-7451
 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
 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, except for T-439 and SXO 1430 which had 41 and 40 bulbs evaluated respectively.
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.

<u>Firmness</u>	<u>Scale Retention</u>	<u>Shape Uniformity</u>
5=extremely firm	5=excellent scales retained	5=highly uniform shape
3=average	3=average: few split scales	3=average
1=extremely soft	1=poor scale retention: numerous "bald" onions	1=extremely variable shape

All red cultivars had commercially acceptable internal scale color although Flamenco was noted to exhibit considerable variability.

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