

1999 COLUMBIA BASIN ONION VARIETAL DEMONSTRATION RESULTS¹

Seed Company & Cultivar ²	Usable Yield (tons/acre)	Bulb Size (diameter) and Defects (%) ³				Defects	Maturity ⁴
		Over 4"	3-4"	2¼-3"	Under 2¼"		
<u>American Takii</u>							
Condor	43.9	10	66	15	2	7	43/62/99
Eagle (T-406)	42.5	14	69	6	1	11	0/2/42
Frontier	33.9	0	51	46	2	1	91/99/100
T-418	38.0	0	65	32	1	1	97/99/100
T-433	45.1	20	56	11	2	11	0/1/20
T-434	45.5	30	54	9	2	5	0/1/28
T-439	52.9	6	80	8	1	5	11/30/98
<u>Aristogenes</u>							
Bravo	41.9	19	60	8	1	13	0/1/32 ■
Envoy	45.5	15	64	5	1	15	42/57/98
Maritime	45.1	55	38	4	1	3	1/8/75
Seville	49.5	30	54	6	2	8	0/2/15
<u>Asgro Seed Co.</u>							
Regiment	45.1	15	69	11	0	5	48/78/98
XPH 15113	42.1	19	61	14	1	5	6/27/96
XPH 15120	42.9	18	68	8	1	5	1/7/67
XPH 15122	42.8	3	74	18	2	3	4/27/80
XPH 15232	33.9	4	60	29	4	3	2/8/94
XPH 15300	37.4	1	43	46	6	5	61/87/98

Bulb Size (diameter) and Defects (%)³

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<u>Bejo Seeds</u>							
Copra	35.0	0	60	36	3	1	4/31/100
Daytona	40.4	4	74	15	4	3	0/1/37
Legend	40.3	9	75	11	1	4	0/4/27
Prince	38.8	0	70	20	7	3	22/49/93
Redwing •	40.4	0	70	29	1	1	0/2/35
Salem	39.2	0	65	32	2	1	7/37/100
Tamara	38.6	1	82	14	0	3	3/48/100
BGS 153	40.1	24	58	5	2	11	0/1/8
<u>Champion Seed</u>							
Flare •	40.5	18	67	10	0	4	2/4/65
<u>Duane Palmer Seed</u>							
Husky	31.0	4	66	17	0	13	42/82/100
Kodiak	40.7	17	50	27	1	6	7/9/60 ■
Tequila	45.1	8	64	17	1	11	1/1/12 ■
<u>Petoseed</u>							
Ember •	36.4	8	66	19	0	8	1/7/63
Pinnacle	37.6	13	67	11	2	6	5/22/73
Teton	43.0	4	73	16	1	7	2/23/97
UniGlobe 108	35.4	1	60	33	2	3	51/82/100
Vantage (PX67691)	38.4	4	67	23	2	4	29/59/99
Vision	48.1	23	64	7	1	5	0/5/48
PS 663395	47.1	5	77	15	0	3	5/30/96

Bulb Size (diameter) and Defects (%)³

Seed Company & Cultivar ²	Usable Yield (tons/acre)	Over 4"	3-4"	2¼-3"	Under 2¼"	Defects	Maturity ⁴
<u>Rio Colorado Seeds</u>							
Raptor (RNX 6171)	39.4	18	64	11	0	8	1/1/34 ■
RNX 10298	42.4	37	48	6	3	7	0/2/30
<u>Seedex Inc.</u>							
Tenshin	37.6	0	71	24	2	3	11/42/99
RE	39.9	3	75	16	1	5	27/75/99
W10-4	35.5	1	66	25	0	8	45/88/100
<u>Sunseeds</u>							
Flamenco •	32.3	2	72	20	0	6	6/21/88
Millenium	34.9	3	68	18	3	8	3/18/98
Sabroso	37.8	1	78	20	1	1	1/4/65
Tango •	28.8	8	66	19	4	4	1/6/53
Tesoro	40.9	7	73	12	3	6	10/22/80 ■
Torero (SXO 1436)	51.6	17	74	5	1	3	0/2/64
Vaquero	48.5	28	62	6	1	4	0/1/37
SXO 1428	48.6	6	78	13	0	3	1/10/68
<u>Vilmorin</u>							
Athos	30.8	1	64	30	3	1	29/72/99
Burgos	44.2	1	81	15	1	3	0/1/25
Lorenzos	39.7	13	70	12	2	4	15/35/83
Staccato (VL 224)	33.8	0	61	32	2	5	37/79/100
Averages (All Cultivars)	40.6	11	66	17	2	5	14/32/69

? Red Onion ? White Onion | Bolter (seedstalks)

1. The field was broadcast soil fumigated with metham sodium in the fall of 1998. Plots with two-double rows each were planted using coated seed at intended 4" spacing between plants with a Stanhay planter On March 31. The plots were furrow irrigated and fertilized with about 145, 100, 225 and 50 pounds per acre of N, P, K and S, respectively, over the season. About 150 pounds of N per acre was present in the soil prior to planting. The pots were lifted on about September 2 and harvested on September 21. All data is an average of 3 replications.
? = Red Onion ? = White Onion

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., 1081 A Harkins Rd., Salinas, CA 93901, (408) 424-6905
Bejo Seed Inc., P.O. 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 Ave. Circle, Caldwell, ID 83605, (208) 454-0842
Rio Colorado Seeds, 6558 Meany Avenue, Bakersfield, CA 99331 (805) 857-8574
Seedex (Nippon norin), P.O. Box 1477, Longmont, CO 80501, (303) 678-7333
Sunseeds Inc., 2210 Stephanie Brooke, Wenatchee, WA 98801, (509) 665-7242
Vilmorin Inc., P.O. Box 707, Empire, CA 95319, (209) 529-6000

3. Expressed as a percentage of total bulbs harvested. Defects include double or split bulbs, severely split skins, off-color bulbs, bulbs with seedstalks and obviously rotted bulbs.

4. Maturity determined by visual estimate of percentage of tops fallen on August 13 (first number), 19 (second number) and 26 (third number) averaged over 3 replications. Those cultivars or lines marked with † showed evident seed stalk formation (5% or more of the bulbs in at least two of the replications).

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