

2002 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"	2 ¼ – 3"	Under 2 ¼"		
<u>American Takii</u>							
Condor	46.8	1	73	24	1	0	0/7/43/92
Frontier	39.5	1	56	41	1	1	13/50/97/100
T-418	35.1	0	59	41	0	0	60/68/97/98
T-433	43.6	15	65	17	0	3	0/0/0/2
T-439	40.2	4	71	19	3	2	7/30/67/82
T-441	37.9	0	60	33	7	0	5/22/77/95
T-467	37.8	0	69	22	1	8	0/0/0/35
<u>Bejo</u>							
Copra	34.5	0	38	57	5	0	17/30/40/82
Daytona	43.5	1	68	24	5	1	0/0/2/25
Delgado	48.9	0	71	25	1	4	0/13/47/60
Gladstone ?	35.2	0	46	47	6	1	0/3/33/63
Legend	46.0	0	52	37	4	7	0/10/50/80
Prince	35.3	0	60	36	4	0	3/25/37/70
Redwing ?	35.5	0	43	52	5	0	0/0/2/7
Salem	33.0	0	51	41	6	1	30/35/82/97
Sharon	34.7	0	43	48	8	1	13/38/58/82
Tamara	34.3	0	51	42	3	4	0/2/10/37

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<u>Crookham</u>							
Genesis	32.3	0	59	34	6	2	35/35/67/77
Xph 01N03	47.4	3	69	23	4	0	0/2/22/43
Xph 95345	30.5	3	62	24	3	8	0/0/0/8
Xph 97H19	31.6	1	50	37	12	0	2/3/25/62
Xph 97H24	43.9	5	62	25	2	6	0/5/22/30
<u>D. Palmer</u>							
Kodiak	48.2	1	27	54	16	2	67/68/90/97
Mesquite	45.9	12	66	19	2	2	0/0/7/38
Tequila	43.9	5	62	25	1	7	2/10/30/66
DPSX 1170	40.4	0	7	63	29	1	97/98/100/100
DPSX 1171	53.4	0	30	59	11	0	47/82/97/100
DPSX 1172	49.5	0	34	52	10	4	17/30/67/83
<u>Seedex</u>							
Tenshin	36.4	0	55	40	4	1	3/25/33/43
J-250	46.3	4	63	26	5	2	10/22/38/68
W-10	36.6	0	64	31	3	1	0/8/65/88
<u>Seedworks</u>							
Varsity	46.9	1	71	23	3	3	18/70/92/95
SWO 4006	36.4	0	56	39	5	0	32/33/35/55
SWO 4014	42.4	1	43	49	7	0	0/5/73/95
SWO 5003	44.1	6	71	17	4	2	0/0/2/7
SWO 6001	49.8	5	68	19	3	5	0/0/8/43
SWO 6005	42.2	3	61	30	4	2	0/0/2/22

Bulb Size (diameter) and Defects (%)³

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		Over 4"	3 – 4"	2 ¼ – 3"	Under 2 ¼"		
<u>Seminis</u>							
Kingfisher	50.3	5	73	17	5	1	0/0/28/57
Red Zepplin ?	37.1	0	54	36	9	2	32/62/83/97
Ricochet	33.6	1	53	37	9	1	60/82/97/100
Seahawk	40.2	1	64	30	5	0	2/7/30/63
Tioga	39.9	1	64	31	4	0	0/2/23/57
<u>Sunseeds</u>							
Brahma	45.8	1	64	29	4	2	23/62/95/100
Granero	46.9	4	63	27	4	2	0/8/40/55
Ranchero	55.9	10	72	13	3	3	17/45/78/90
Sabroso	42.6	0	75	20	1	3	0/2/28/53
Tango ?	33.8	2	54	38	7	0	0/2/3/33
Tesoro	38.7	0	61	31	5	3	33/35/48/87
Vaquero	39.4	9	65	25	2	0	0/0/0/8
SX 4391	43.0	3	53	38	3	3	40/77/88/97
SX 7000	40.7	2	58	33	7	1	0/3/27/78
SX 7002	46.2	8	68	17	3	4	17/53/93/98
<u>Vilmorin</u>							
Lorenzos	38.1	7	68	22	3	0	0/3/22/35
NIZ 37-32	30.3	0	49	42	5	4	13/33/47/70
Averages	41.0	2	58	33	5	2	13/24/45/65
? = red onion		? =white onion		‡ =bolted (seedstalks)			

1. The field was broadcast soil fumigated with metham sodium in the fall of 2001. Plots with two-double rows each were planted on 34" beds using coated seed at an intended 4 1/2" spacing between plants with a Stanhay planter on March 28. The plots were center pivot irrigated and fertilized with about 145-150-135-70-80 pounds per acre of N, P, K, S and Ca, respectively, over the season. About 50 pounds of N per acre was present in the soil in the spring of 2002. The plots were lifted on August 31 and harvested on September 18. 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
Bejo Seed Co., PO Box 40607, Eugene, OR 97404, 541.953.2090
Crookham Company, PO Box 520, Caldwell, ID 83606, 208.459.7451
D. Palmer Seed, 8269 S Highway 95, Yuma, AZ 85635, 520.341.8494
Seedex (Nippon Norin), PO Box 1477, Longmont, CO 80501, 303.678.7333
Seedworks, 3920 Broad St #5, San Luis Obispo, CA 93401, 805.547.0280
Seminis Vegetable Seed, 15141 S. 10th Ave. Circle, Caldwell, ID 83605, 208.454.0842
Sunseeds Inc., 2210 Stephanie Brooke, Wenatchee, WA 98801, 509.665.7242
Vilmorin Inc., PO Box 707, Empire, CA 95319, 209.529.6000
3. Bulb size and defects are expressed as a percentage of total bulbs harvested. Defects include double or split bulbs, severely split skins, off-color or obviously rotten bulbs and bulbs with seedstalks.
4. Maturity was determined by visual estimate of percentage of tops fallen on August 1st (first number), 7th (second number) 13th (third number) and 20th (fourth number) averaged over 3 replications. None of the cultivars or lines showed significant seed stalk formation (5% or more of the bulbs in at least two of the replications).

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