

2004 COLUMBIA BASIN ONION VARIETAL DEMONSTRATION RESULTS¹

Bulb Size (diameter) and Defects (%)³

Seed Company & Cultivar ²	Usable Yield (tons/acre)	Bulb Size (diameter) and Defects (%) ³				Defects	IYSV Incidence (%) ⁴	Powdery Mildew ⁵	Maturity ⁶
		Over 4"	3 - 4"	2¼ - 3"	Under 2¼"				
<u>American Takii</u>									
Milestone	28.9	0	11	74	11	4	88	-	0, 3, 3, 40
T-433	49.5	1	68	21	4	6	66	+	0, 0, 2, 5
T-439	40.9	0	37	58	4	2	79	-	0, 2, 3, 8
T-817	22.8	0	0	79	21	0	95	-	0, 3, 22, 78
9003 G	34.7	0	33	56	6	5	74	+	0, 0, 5, 27
<u>Bejo Seeds</u>									
Copra *	16.0	0	13	69	16	2	94	-	0, 0, 5, 23
Daytona	38.2	0	41	39	17	2	87	-	0, 0, 0, 5
Gunnison	33.9	0	24	58	14	4	76	+	0, 5, 40, 93
Redwing ●	35.3	0	33	57	9	1	90	+	0, 0, 3, 7
Tamara	32.4	0	19	69	12	0	89	-	0, 5, 57, 92
BGS 194	36.1	0	28	65	6	2	94	+	0, 7, 60, 97
BGS 196	44.8	0	35	55	9	2	69	+	0, 0, 5, 40
BGS 199	44.9	1	39	53	4	3	76	+	0, 8, 57, 93
<u>Crookham Co.</u>									
Genesis	21.7	0	5	59	34	2	93	-	0, 15, 68, 97
Harmony	54.8	2	62	28	2	6	83	+	2, 10, 33, 75
OLYH 02N2	21.7	0	0	50	50	0	91	-	0, 2, 18, 70

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		Over 4"	3 - 4"	2¼ - 3"	Under 2¼"				
<u>Global Genetics</u>									
Varsity	36.9	0	36	55	7	1	89	-	0, 7, 62, 72
SWO 4001	36.7	0	27	56	12	5	94	-	0, 8, 62, 92
SWO 6001	47.3	1	47	37	14	2	86	-	0, 0, 2, 7
SWO 6011	38.1	6	56	30	5	3	79	+	0, 0, 3, 27
<u>Nippon Norin</u>									
Tenshin	22.2	0	6	65	29	1	81	-	0, 0, 3, 10
RE-E	28.1	0	7	72	20	1	77	-	0, 0, 0, 5
W-10	23.5	0	9	66	21	4	82	-	0, 0, 5, 52
W-20	23.4	0	6	60	30	4	80	+	0, 0, 7, 33
<u>Seminis Vegetable Seed</u>									
Golden Spike	47.5	0	56	35	7	2	70	+	47, 68, 95, 97
Pinnacle	41.8	0	46	45	7	2	87	-	0, 5, 25, 63
Red Zeppelin ●	29.6	0	16	57	23	4	90	+	0, 20, 57, 88
Seahawk	33.1	0	25	51	22	2	77	+	0, 0, 2, 8
Tioga	44.0	0	34	53	9	3	58	+	2, 7, 25, 87
EX 15122	38.5	0	28	54	15	3	97	+	0, 2, 13, 38
PX 2599	55.3	4	81	13	1	0	73	-	0, 2, 12, 50
PX 5299	48.2	1	62	25	8	5	64	-	0, 3, 17, 58
SVR 5646 ▲	46.8	0	52	45	2	2	82	-	0, 8, 50, 90
SVR 5819	47.9	1	53	41	5	0	78	+	0, 5, 18, 42
SVR 7004	38.1	0	24	66	8	2	73	+	2, 32, 85, 98
SVR 7106 ▲	40.2	0	36	51	7	5	89	-	0, 7, 25, 70

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		Over 4"	3 - 4"	2¼ - 3"	Under 2¼"				
<u>Nunhems (Sunseeds)</u>									
Bandolero	28.6	0	16	57	26	1	97	+	0, 0, 7, 67
Flamenco ●	23.7	0	5	62	30	3	91	+	0, 3, 33, 90
Granero	48.8	1	56	38	5	0	82	+	0, 0, 8, 42
Ranchero	55.7	10	58	25	6	1	86	-	3, 8, 28, 67
Sabroso	32.0	0	17	62	21	0	93	-	0, 0, 3, 33
Salsa ●	35.1	0	36	48	9	8	90	+	0, 0, 2, 12
Tesoro	35.4	0	32	56	9	3	78	+	0, 0, 7, 37
Vaquero	46.5	1	49	34	12	4	93	+	0, 7, 27, 70
SX 7002	42.7	0	53	38	7	2	84	+	3, 28, 73, 95
SX 7004	46.8	0	50	41	8	0	95	+	0, 0, 3, 23
Averages	37.4	1	33	51	13	2	82		1, 6, 14, 54

● = red onion

▲ = white onion

* A poor stand was achieved with this entry.

1. Plots with two-double rows each were planted on 34" beds using coated seed at an intended 4" spacing between plants with a Stanhay planter on March 30. The field experienced moderate weed pressure early in the growing season. Hail damaged the crop at about the 3 leaf stage. Significant iris yellow spot virus was present in the field. The plots were furrow irrigated and fertilized with about 160-170-60-30-2 pounds per acre of N, P, K, S and B, respectively, over the season. The plots were lifted on September 4 and harvested on September 23. 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
 Global Genetics, 3424 Roberto Court, San Luis Obispo, CA 93401, 208.642.0301
 Nippon Norin, PO Box 1477, Longmont, CO 80501, 303.678.7333
 Nunhems, 908 Riverview Ave., Selah, WA 98942
 Seminis Vegetable Seed, 425 N. Columbia Center Blvd., Kennewick, WA 99336, 509.374.2805
3. Bulb size and defects are expressed as a percentage of total bulbs harvested. Defects include double or split bulbs, severely split skins, "bald", off-color or obviously rotten bulbs and bulbs with seedstalks.
4. Percentage of plants within the center five feet of each bed which expressed iris yellow spot virus symptoms, averaged over three replications. This data does not represent the severity of disease incidence which will be available at a later date.
5. Cultivars or lines in which powdery mildew symptoms were noted in one or more replications (+ = presence, - = absence). This data does not represent severity of disease incidence.
6. Maturity was determined by visual estimate of percentage of tops fallen on August 6th (first number), 12th (second number), 19th (third number) and 25th (fourth number) averaged over 3 replications.

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