

2011 COLUMBIA BASIN ONION CULTIVAR TRIAL RESULTS¹

Seed Company & Cultivar	Usable ² Yield T/A	Bulb Size and Defects ³					Tops Down on 8/28 ⁴ %
		Pre-pack (<2.25") T/A (%)	Medium (2.25-3") T/A (%)	Jumbo (3-4") T/A (%)	Colossal (>4") T/A (%)	Culls T/A (%)	
American Takii							
Centerstone	44.0	0.4 (0.8)	15.1 (33.6)	28.5 (63.6)	0.0 (0.0)	0.9 (2.0)	63
Milestone	40.8	0.2 (0.4)	20.7 (49.9)	19.4 (46.6)	0.6 (1.3)	0.7 (1.7)	88
Ruby Ring (R)	34.6	0.3 (0.7)	16.9 (48.3)	17.5 (50.1)	0.0 (0.0)	0.3 (0.8)	85
Trailblazer	36.8	0.3 (0.7)	24.3 (65.9)	12.2 (33.2)	0.0 (0.0)	0.0 (0.1)	95
Y-0903	54.6	0.4 (0.8)	12.7 (23.3)	39.0 (71.4)	2.5 (4.5)	0.0 (0.0)	50
Bejo Seeds							
Calibra	45.9	0.2 (0.3)	10.5 (22.8)	34.5 (74.6)	0.7 (1.6)	0.3 (0.7)	72
Crockett	42.6	0.2 (0.6)	20.7 (48.4)	21.7 (50.7)	0.0 (0.0)	0.1 (0.3)	37
Delgado	45.2	0.1 (0.2)	15.7 (33.8)	28.9 (62.0)	0.6 (1.2)	1.3 (2.8)	43
Gunnison	42.9	0.3 (0.7)	15.7 (36.5)	26.9 (62.4)	0.0 (0.0)	0.2 (0.4)	90
Legend	42.7	0.3 (0.6)	12.0 (27.9)	30.5 (71.1)	0.0 (0.0)	0.2 (0.4)	40
Redwing (R)*	38.4	0.4 (1.0)	23.6 (61.5)	14.4 (37.5)	0.0 (0.0)	0.0 (0.0)	15
Sedona	45.8	0.4 (0.8)	15.1 (32.6)	30.4 (65.8)	0.0 (0.0)	0.4 (0.8)	58
Talon	43.7	0.3 (0.7)	18.7 (42.7)	24.7 (56.4)	0.0 (0.0)	0.1 (0.2)	80
Tamara	39.4	0.1 (0.3)	20.8 (52.4)	18.6 (46.8)	0.0 (0.0)	0.2 (0.6)	82
Crookham Co.							
Advantage	44.7	0.1 (0.3)	10.0 (22.2)	33.4 (74.0)	1.1 (2.5)	0.4 (1.0)	13
Avalon	63.6	0.3 (0.4)	4.4 (6.9)	47.3 (73.5)	11.6 (17.9)	0.8 (1.2)	50
Brundage (W)*	47.8	0.5 (1.0)	10.7 (21.3)	36.7 (73.4)	0.0 (0.0)	2.2 (4.3)	40
Esteem	44.5	0.4 (0.8)	18.7 (41.4)	25.5 (56.5)	0.0 (0.0)	0.6 (1.2)	80
Morpheus	51.3	0.0 (0.1)	9.2 (17.9)	39.5 (76.6)	2.5 (4.9)	0.3 (0.5)	27
Oracle	43.9	0.2 (0.4)	13.1 (29.6)	29.4 (66.4)	1.3 (2.9)	0.3 (0.7)	13
Pontiac	39.1	0.6 (1.6)	15.6 (39.2)	22.2 (55.7)	0.7 (1.7)	0.7 (1.8)	67
The Rock	46.8	0.3 (0.7)	11.6 (24.7)	35.0 (74.6)	0.0 (0.0)	0.0 (0.1)	10
Trigger	46.0	0.2 (0.4)	8.1 (17.6)	37.1 (80.6)	0.6 (1.3)	0.0 (0.0)	23
White Cloud (W)*	52.1	0.1 (0.1)	7.0 (12.4)	36.8 (65.3)	8.3 (14.7)	4.2 (7.5)	65
Monsanto							
Affirmed	52.4	0.3 (0.6)	9.0 (16.7)	38.4 (71.6)	4.7 (8.7)	1.3 (2.4)	70
Barbaro	48.1	0.4 (0.9)	10.8 (22.2)	33.0 (67.9)	3.9 (7.9)	0.5 (1.1)	52
Belmar	46.0	0.4 (0.8)	15.5 (33.5)	29.5 (63.6)	0.6 (1.3)	0.4 (0.8)	72
Elbrus	45.7	0.1 (0.3)	14.8 (32.0)	30.8 (66.6)	0.0 (0.0)	0.5 (1.1)	82

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Monsanto cont.							
EX 14593 (R)	35.6	0.3 (0.8)	18.3 (50.4)	17.0 (47.0)	0.0 (0.0)	0.7 (1.8)	45
Orizaba (W)	38.5	0.2 (0.4)	11.8 (30.1)	26.5 (67.4)	0.0 (0.0)	0.8 (2.1)	58
Rainier (W)	40.7	0.3 (0.7)	17.9 (43.3)	22.4 (54.1)	0.0 (0.0)	0.8 (1.9)	60
Ruffian	53.0	0.5 (1.0)	10.8 (20.3)	41.7 (78.5)	0.0 (0.0)	0.1 (0.2)	62
Swale	47.4	0.4 (0.9)	13.9 (29.2)	30.8 (64.7)	2.2 (4.7)	0.2 (0.5)	65
Nickerson- Zwaan							
2020	34.7	0.4 (1.2)	15.2 (42.8)	19.1 (53.7)	0.0 (0.0)	0.8 (2.3)	63
2025	53.1	0.3 (0.5)	13.4 (24.8)	37.2 (69.2)	2.2 (4.2)	0.7 (1.3)	45
4012	42.9	0.1 (0.2)	19.0 (44.0)	23.8 (55.0)	0.0 (0.0)	0.3 (0.7)	90
7026	51.0	0.4 (0.8)	19.2 (37.6)	30.8 (60.4)	0.6 (1.2)	0.0 (0.0)	75
Nippon Norin							
NN 65	45.1	0.2 (0.5)	21.2 (46.8)	23.8 (52.6)	0.0 (0.0)	0.0 (0.1)	30
Nunhems USA							
Arcero	54.9	0.2 (0.5)	9.4 (17.0)	44.1 (80.3)	1.2 (2.2)	0.0 (0.0)	60
Cometa (W)	44.5	0.7 (1.6)	14.1 (31.7)	29.6 (66.6)	0.0 (0.0)	0.1 (0.2)	57
Granero	50.8	0.1 (0.3)	12.3 (24.2)	38.4 (75.4)	0.0 (0.0)	0.0 (0.1)	73
Joaquin	51.2	0.3 (0.6)	12.0 (23.0)	38.3 (73.5)	0.6 (1.1)	0.9 (1.8)	48
Marenge (R)	38.5	0.1 (0.4)	12.6 (32.2)	25.7 (65.9)	0.0 (0.0)	0.6 (1.5)	80
Montero	51.5	0.1 (0.3)	7.1 (13.8)	42.2 (81.7)	2.0 (3.8)	0.2 (0.4)	92
Ranchero	53.9	0.0 (0.1)	10.1 (18.4)	39.1 (70.8)	4.7 (8.4)	1.3 (2.3)	52
Solstice (W)	49.1	0.8 (1.7)	14.5 (29.4)	33.8 (68.6)	0.0 (0.0)	0.2 (0.3)	60
Vaquero	50.6	0.2 (0.4)	6.7 (12.9)	42.5 (82.1)	1.2 (2.3)	1.2 (2.4)	73
Sakata Seed							
Bello Blanco (W)	43.9	0.1 (0.2)	9.5 (20.0)	34.3 (72.5)	0.0 (0.0)	3.5 (7.3)	42
Ovation	57.5	0.1 (0.2)	10.9 (18.6)	41.9 (71.1)	4.6 (7.8)	1.3 (2.2)	70
Spanish Medallion	51.3	0.0 (0.1)	11.8 (22.1)	32.2 (60.5)	7.3 (13.7)	1.9 (3.6)	75
XON-659Y	56.7	0.2 (0.4)	5.2 (9.2)	44.3 (78.1)	7.0 (12.3)	0.0 (0.0)	63
Solar Holdings							
Polo	38.1	0.4 (1.1)	22.2 (58.3)	15.5 (40.5)	0.0 (0.0)	0.0 (0.0)	70
Stanley	37.9	0.5 (1.4)	23.1 (60.8)	14.2 (37.4)	0.0 (0.0)	0.1 (0.4)	82
AVERAGES	46.1	0.3 (0.6)	14.0 (31.7)	30.4 (63.9)	1.4 (2.5)	0.6 (1.3)	59

Onion Cultivar Trial Overview and Table Explanations:

The onion cultivar trial was planted on March 24, 2011 with a Stanhay belt planter on 68-in beds with four double rows per bed and 4-in seed spacing. Each cultivar was planted in three replicated plots. Plots were 34-in wide by 30-ft long with two double rows. The drip irrigated field was managed by Bruce Swindler of Skone & Connors Produce, Inc., and was located on the east end of the Frenchman Hills. The trial was lifted on September 6, 2011 and a 5-ft section of each plot was hand-harvested on September 15, 2011.

¹ All yield data are the average of three replicates, except for Redwing*, Brundage*, and White Cloud* for which the data are averaged over two replicates.

² The usable yield is the cumulative yield of all bulb size categories in tons/acre and does not include culls.

³ Yields for each size category and culls are expressed in tons/acre and as the percentage by weight of total yield including culls (in parenthesis). Defects include double or split bulbs, severely split skins, rotten bulbs, and bulbs with seed stalks.

⁴ Tops down is the percentage of the tops estimated to have fallen at the reading date averaged over three replicates.

Participating Companies:

American Takii, Inc., 301 Natividad Rd., Salinas, CA 93906

Bejo Seeds, Inc., 1972 Silver Spur Place, Oceano, CA 93445

Crookham Company, P.O. Box 520, Caldwell, ID 83606.

Nickerson-Zwaan Seeds, 3725 N. Jason Ave. #2, Pasco, WA 99301

Nippon Norin Seed Co., 3219 Mariner Lane, Longmont, CO 90503

Nunhems USA, 8850 59th Ave. NE, Brooks, OR 97305

Sakata Seed America, Inc., New Mexico Station, P.O. Drawer F, Messilla, NM 88046

Monstanto Vegetable Seeds, 32537 Apple Valley Rd, Parma, ID 83660

Solar Holdings International, Inc., 302 S. Center St., Eustis, FL 32726

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