

2012 COLUMBIA BASIN ONION CULTIVAR DEMONSTRATION RESULTS<sup>1</sup>

Seed Company & Cultivar	Usable <sup>2</sup> Yield T/A	Bulb Size and Defects <sup>3</sup>					Culls T/A (%)	Tops Down <sup>4</sup> %	Bolted <sup>5</sup> #
		Pre-pack (<2.25") T/A (%)	Medium (2.25-3") T/A (%)	Jumbo (3-4") T/A (%)	Colossal (>4") T/A (%)				
<b>American Takii</b>									
Centerstone	51.5	0.1 (1)	7.3 (24)	39.6 (66)	4.6 (5)	2.0 (4)	65	2	
Milestone	55.1	0.2 (1)	6.5 (21)	41.3 (69)	7.2 (7)	1.1 (2)	83	1	
Ruby Ring (R)	50.0	0.3 (2)	9.6 (32)	39.3 (66)	0.7 (1)	0.0 (0)	68	0	
Trailblazer	50.5	0.2 (2)	7.6 (26)	42.7 (72)	0.0 (0)	0.1 (0)	93	0	
Trekker	47.4	0.2 (2)	11.4 (36)	34.2 (60)	1.6 (2)	0.1 (0)	95	0	
TTA-747 (Y-0903)	57.8	0.2 (2)	5.5 (17)	39.2 (57)	12.9 (12)	8.2 (11)	25	>15	
<b>Bejo Seeds</b>									
Calibra	58.9	0.3 (2)	5.3 (18)	49.3 (73)	4.0 (4)	2.6 (4)	88	8	
Crockett	57.2	0.3 (3)	4.7 (16)	40.8 (63)	11.4 (12)	3.7 (6)	17	9	
Delgado	55.0	0.2 (2)	6.7 (22)	40.8 (64)	7.3 (8)	2.9 (5)	75	9	
Gunnison	47.2	0.1 (2)	4.2 (17)	38.7 (72)	4.2 (5)	2.1 (4)	90	5	
Legend	57.6	0.1 (0)	5.5 (20)	44.0 (68)	8.1 (9)	2.0 (4)	62	3	
Red Bull (R)	51.7	0.3 (2)	7.0 (23)	42.0 (72)	2.4 (3)	0.5 (1)	33	7	
Redwing (R)	55.5	0.2 (2)	5.7 (18)	48.4 (79)	1.2 (1)	0.2 (1)	13	3	
Talon	52.7	0.1 (2)	5.5 (18)	38.8 (68)	8.3 (9)	1.7 (3)	75	5	
Tamara	48.0	0.3 (3)	7.1 (25)	39.0 (70)	1.5 (2)	0.4 (1)	78	1	
<b>Crookham Co.</b>									
Advantage	57.4	0.2 (2)	3.1 (14)	39.9 (60)	14.2 (13)	6.6 (12)	18	>15	
Esteem	63.7	0.3 (3)	3.8 (12)	48.8 (71)	10.8 (10)	2.4 (4)	43	7	
Morpheus	64.8	0.1 (1)	3.4 (11)	39.8 (64)	21.5 (22)	1.6 (3)	57	5	
Pontiac	51.7	0.9 (7)	8.1 (27)	35.9 (56)	7.0 (7)	2.0 (4)	60	15	
Red Beret (R)	56.5	0.3 (3)	6.0 (22)	37.6 (60)	12.6 (13)	1.1 (2)	68	2	
Scorpion (01-214)	53.8	0.5 (6)	9.1 (28)	32.9 (52)	11.3 (9)	2.8 (6)	80	10	
Scout	59.1	0.2 (1)	6.1 (18)	38.5 (59)	14.3 (13)	4.4 (9)	67	>15	
Trigger	52.4	0.3 (4)	4.9 (16)	44.3 (73)	2.9 (3)	1.9 (4)	15	1	
<b>Hazera Seeds</b>									
Cruiser	56.1	0.2 (2)	6.8 (22)	40.2 (66)	8.8 (9)	1.1 (2)	83	2	
NIZ 37-81	53.6	0.4 (4)	3.7 (15)	31.4 (55)	18.2 (21)	2.7 (4)	45	8	
NIZ 37-85	57.2	0.4 (5)	4.4 (14)	41.0 (66)	11.4 (12)	1.7 (3)	77	13	
Outlaw	55.8	0.2 (2)	6.6 (21)	43.8 (67)	5.3 (5)	2.8 (5)	85	6	
Maverick	54.2	0.1 (2)	4.8 (18)	37.2 (61)	12.1 (13)	4.7 (7)	25	1	
Ventura	56.4	0.5 (4)	5.5 (20)	42.2 (66)	8.3 (9)	1.2 (2)	77	11	

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		Pre-pack (<2.25") T/A (%)	Medium (2.25-3") T/A (%)	Jumbo (3-4") T/A (%)	Colossal (>4") T/A (%)				
<b>Nippon Norin</b>									
NN 65	56.6	0.4 (4)	5.0 (17)	41.1 (64)	10.1 (11)	2.5 (5)	20	12	
<b>Nunhems USA</b>									
Anillo	62.6	0.2 (1)	4.9 (17)	42.4 (62)	15.1 (15)	2.8 (5)	33	14	
Arcero	64.5	0.2 (1)	5.2 (17)	49.2 (71)	9.9 (9)	0.7 (1)	38	6	
Cometa (W)	66.8	0.1 (1)	5.1 (15)	43.0 (62)	11.8 (11)	6.7 (10)	57	15	
Granero	58.7	0.0 (0)	4.9 (15)	45.9 (72)	8.0 (8)	2.3 (4)	43	>15	
Joaquin	55.3	0.0 (0)	4.1 (14)	48.8 (79)	2.5 (3)	1.7 (4)	12	11	
Marengo (R)	48.6	0.1 (1)	5.2 (21)	37.2 (66)	6.2 (7)	3.0 (5)	72	1	
Montero	61.8	0.0 (0)	4.5 (14)	40.0 (66)	17.4 (19)	0.5 (2)	85	11	
Pandero	65.8	0.2 (1)	3.0 (10)	38.6 (61)	23.9 (24)	3.1 (5)	27	14	
Ranchero	63.9	0.1 (1)	3.5 (11)	50.7 (76)	9.7 (10)	1.2 (2)	58	10	
Vaquero	65.3	0.2 (2)	3.4 (10)	41.3 (59)	20.3 (19)	5.7 (9)	50	7	
<b>Sakata Seed</b>									
Bello Blanco (W)	56.0	0.0 (0)	3.3 (12)	35.7 (58)	17.0 (19)	6.3 (11)	33	15	
Ovation	65.1	0.1 (2)	3.5 (11)	36.3 (56)	25.1 (25)	3.9 (6)	62	2	
Spanish Medallion	67.9	0.1 (1)	2.0 (8)	28.2 (46)	37.5 (39)	4.5 (7)	78	5	
<b>Seminis</b>									
Affirmed	62.5	0.1 (1)	3.2 (11)	36.9 (54)	22.3 (23)	6.2 (11)	42	13	
Barbaro	63.3	0.2 (2)	3.4 (12)	43.8 (68)	15.9 (16)	0.6 (1)	30	3	
Belmar	56.4	0.3 (2)	3.4 (11)	43.7 (69)	8.8 (9)	5.1 (8)	62	>15	
Elbrus	60.3	0.2 (2)	4.6 (15)	48.8 (73)	6.7 (7)	2.3 (4)	80	5	
R4593 (R)	48.9	0.9 (7)	7.6 (24)	35.3 (59)	5.0 (5)	1.9 (4)	52	3	
Rainier (W)	56.2	0.3 (2)	6.5 (21)	44.5 (71)	4.9 (5)	0.7 (1)	55	2	
Ruffian	61.3	0.2 (2)	6.6 (21)	36.7 (58)	17.6 (17)	1.3 (2)	50	12	
SV4058NV	65.7	0.1 (2)	4.5 (12)	39.7 (58)	21.4 (19)	5.9 (9)	47	15	
SV4643NT	58.0	0.3 (2)	5.8 (18)	43.7 (65)	8.2 (8)	5.0 (8)	92	7	
Swale	61.7	0.2 (2)	4.7 (15)	40.9 (62)	15.9 (15)	3.3 (6)	43	14	
<b>AVERAGES</b>	<b>57.2</b>	<b>0.2</b>	<b>5.4</b>	<b>40.8</b>	<b>10.7</b>	<b>2.7</b>			

<sup>1</sup> All data presented in the table are the average of three replicate plots.

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

<sup>3</sup> Yield for each size category and culls is expressed in tons per acre AND as a percentage of the total bulb count (shown in parenthesis). Defects include double or split bulbs, severely split skins, rotten bulbs, and bulbs with seed stalks.

<sup>4</sup> The mean percentage of the tops estimated to have fallen as of Aug. 28, 2012.

<sup>5</sup> The mean number of plants that were bolted (i.e. had seed stalks) as of Aug. 28, 2012.

## **Onion Cultivar Trial Overview:**

The onion cultivar trial was planted on April 3, 2012 with a Stanhay belt planter on 80-in beds with four double rows per bed and 4-in in-row seed spacing. Each cultivar was planted in three replicated plots. Plots were 40-in wide by 30-ft long with two double rows. The drip irrigated field was managed by L & L Ag. Production, and was located northwest of Connell, WA. There were more bolted onions this season than usual, so the number of seed stalks in each plot was recorded on August 28. The trial was lifted on September 26 and a 5-ft section of each plot was hand-harvested on October 3.

## **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.

Hazera Seeds, 1200 N El Dorado Pl. #D440, Tucson, AZ 85715

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

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

## **Special thanks for the cooperation and assistance of:**

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Marcel Wanders, Collyn Larson, and Kristin Oomen, *Seminis Vegetable Seeds*

Erick Morales, *Bejo Seeds*

Bob Mittelstadt, *Clearwater Supply*

Steve Graton, *Champion Seed*

Josh Carter, Todd Clark, and Curtis Mokler, *Keithly-Williams Seeds*

Kevin Douglas, Ron Hull, and Steve Radich, *Osborne Seeds*

Jacob Munden, *Hazera Seeds*

Brenda Schroeder and Crew, *WSU-Pullman*

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