

2013 COLUMBIA BASIN ONION CULTIVAR DEMONSTRATION RESULTS¹

Seed Company & Cultivar	Usable ² Yield T/A	Bulb Size and Defects ³					Tops Down 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	52.0	0.0 (0)	2.3 (10)	40.8 (77)	8.9 (13)	0.3 (1)	100
Highlander	52.6	0.0 (0)	3.9 (14)	43.6 (79)	5.1 (6)	0.2 (1)	100
Milestone	47.7	0.1 (1)	5.6 (19)	39.4 (77)	2.6 (3)	0.0 (0)	100
Ruby Ring (R)	40.7	0.1 (1)	8.8 (31)	31.8 (67)	0.0 (0)	0.0 (0)	100
Trailblazer	42.8	0.0 (0)	3.3 (13)	39.5 (86)	0.0 (0)	0.0 (0)	100
Trekker	46.0	0.0 (0)	4.1 (14)	41.9 (85)	0.0 (0)	0.0 (0)	100
TTA-747	69.5	0.0 (0)	1.9 (7)	47.2 (71)	20.4 (22)	0.4 (1)	100
Bejo Seeds							
Calibra	58.3	0.0 (0)	0.6 (2)	48.5 (86)	9.1 (11)	0.0 (0)	100
Crockett	50.1	0.0 (0)	2.7 (10)	47.0 (88)	0.5 (1)	0.0 (1)	100
Delgado	59.6	0.0 (0)	0.9 (3)	48.1 (83)	10.6 (13)	0.4 (1)	50
Gunnison	53.4	0.0 (0)	3.4 (11)	45.5 (83)	4.5 (6)	0.0 (0)	100
Legend	55.2	0.0 (1)	2.8 (10)	48.1 (84)	4.2 (5)	0.0 (0)	30
Red Bull (R)	45.8	0.1 (1)	2.2 (9)	40.3 (84)	3.2 (5)	0.3 (1)	80
Sedona	56.0	0.0 (1)	3.1 (11)	46.9 (81)	5.9 (7)	0.6 (1)	60
Talon	48.4	0.0 (0)	2.4 (10)	43.7 (87)	2.3 (3)	0.0 (0)	100
Tamara	47.7	0.0 (1)	5.0 (17)	42.7 (82)	0.0 (0)	0.0 (0)	100
Crookham Co.							
Advantage	60.7	0.0 (0)	3.0 (10)	37.7 (64)	20.0 (24)	0.6 (1)	5
Brundage (W)	53.7	0.0 (0)	2.2 (10)	41.0 (77)	10.5 (13)	0.3 (1)	30
Esteem	53.7	0.0 (0)	2.1 (9)	42.1 (78)	9.4 (12)	0.3 (1)	5
Morpheus	62.7	0.1 (1)	1.7 (7)	41.6 (70)	19.3 (23)	0.2 (1)	90
Pontiac	48.9	0.1 (1)	6.1 (20)	41.3 (75)	1.4 (2)	1.2 (2)	100
Purple Haze (R)	41.7	0.0 (0)	4.8 (20)	33.9 (75)	2.9 (75)	0.3 (4)	85
Scorpion	46.7	0.1 (1)	10.1 (37)	29.1 (59)	7.4 (3)	0.0 (0)	100
Scout	63.9	0.1 (2)	1.5 (5)	39.3 (67)	23.0 (25)	0.6 (1)	100
Hazera Seeds							
Cruiser	49.3	0.1 (2)	4.5 (16)	44.7 (82)	0.0 (0)	0.0 (0)	100
Frontino	53.1	0.0 (1)	1.5 (7)	32.7 (65)	18.8 (27)	0.0 (0)	5
Maverick	57.1	0.0 (1)	0.9 (5)	47.6 (80)	8.5 (11)	1.1 (2)	50
Ventura	53.8	0.0 (0)	4.9 (16)	44.0 (77)	4.9 (6)	0.5 (1)	100
Nippon Norin							
NO113	38.3	0.0 (0)	8.4 (27)	29.9 (73)	0.0 (0)	0.0 (0)	100

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Nunhems USA							
Anillo	57.4	0.0 (0)	1.4 (6)	47.0 (82)	9.0 (11)	0.5 (1)	95
Arcero	55.4	0.1 (1)	1.9 (7)	45.4 (82)	8.0 (10)	0.3 (1)	95
Campero	60.1	0.0 (1)	1.7 (7)	43.0 (73)	15.5 (18)	0.1 (1)	85
Cometa (W)	58.0	0.0 (0)	2.6 (10)	44.7 (78)	10.7 (12)	0.3 (1)	95
Countach (R)	40.1	0.2 (2)	6.4 (26)	32.7 (70)	0.9 (1)	0.0 (0)	50
Granero	57.6	0.0 (0)	2.0 (8)	46.2 (80)	9.4 (12)	0.0 (0)	95
Joaquin	57.8	0.1 (1)	2.1 (8)	41.0 (73)	14.7 (17)	0.7 (1)	5
Marenge (R)	44.0	0.0 (1)	3.5 (17)	38.8 (80)	1.7 (2)	0.0 (0)	95
Montero	62.3	0.0 (0)	0.3 (1)	41.6 (73)	20.4 (24)	0.7 (2)	100
NUN7202ON	49.4	0.0 (1)	2.4 (12)	42.8 (82)	4.2 (5)	0.4 (1)	95
NUN8003ON (W)	55.3	0.0 (1)	2.7 (10)	37.8 (72)	4.8 (18)	0.0 (0)	100
Pandero	54.1	0.0 (1)	2.7 (10)	46.6 (84)	4.8 (5)	0.0 (0)	95
Utrero	56.5	0.0 (0)	2.8 (10)	50.7 (85)	3.0 (4)	0.4 (1)	85
Valero	58.5	0.0 (0)	1.5 (6)	46.0 (81)	11.1 (13)	0.0 (0)	98
Vaquero	62.8	0.0 (0)	0.8 (3)	46.4 (78)	15.6 (18)	0.6 (1)	85
Sakata Seed							
Aruba	59.1	0.0 (0)	1.5 (5)	38.1 (70)	19.5 (24)	0.6 (1)	90
Bello Blanco (W)	52.4	0.0 (1)	1.9 (8)	37.7 (72)	12.7 (17)	1.7 (2)	60
Dulce Reina	67.3	0.0 (0)	6.2 (4)	35.1 (64)	26.0 (31)	0.0 (0)	60
Lasso	53.0	0.0 (0)	1.2 (6)	27.7 (60)	24.1 (34)	0.2 (1)	95
Ovation	65.7	0.0 (0)	1.0 (4)	27.4 (53)	37.2 (42)	1.2 (2)	97
Seminis							
Belmar	58.5	0.0 (0)	2.2 (8)	47.2 (80)	9.1 (10)	0.7 (2)	80
Elbrus	54.8	0.0 (1)	3.1 (11)	46.0 (78)	5.7 (7)	2.0 (4)	98
SV4058NV (W)	74.4	0.1 (1)	3.6 (11)	54.5 (75)	16.1 (13)	0.0 (0)	75
SV4643NT	53.5	0.0 (0)	3.5 (14)	44.2 (79)	5.9 (6)	0.3 (1)	100
SV6646NW	64.3	0.0 (0)	2.6 (9)	46.8 (75)	14.8 (15)	0.3 (0)	95
SV6672NW	65.5	0.0 (0)	2.4 (8)	48.6 (76)	14.5 (16)	0.0 (0)	100
Swale	56.7	0.0 (1)	1.7 (6)	42.5 (75)	12.5 (15)	2.1 (4)	80
XP007716000	71.2	0.1 (1)	2.3 (8)	44.5 (67)	24.4 (23)	0.4 (0)	90
AVERAGES	55.0	0.0 (0)	3.0 (11)	41.9 (76)	10 (12)	0.4 (1)	

¹ All data presented in the table, except for tops down, are the average of three replicate plots.

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

³ 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 split bulbs, severely split skins, rotten bulbs, and bulbs with seed stalks.

⁴ The percentage of the tops estimated to have fallen as of Aug. 29, 2013. Recorded from the first replicate only.

Onion Cultivar Trial Overview:

The onion cultivar trial was planted on March 27, 2013 with a Stanhay belt planter on 88-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 44-in wide by 30-ft long with two double rows. The center pivot irrigated field was managed by Hartley Farms, and was located in the Horse Heaven Hills outside of Prosser, WA. The trial was lifted on September 18 and hand-topped on September 19, then a 5-ft section of each plot was hand-harvested on September 20.

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:

Brent Hartley, Taryn Hartley, and Troy Hartley, *Hartley Farms*

Marcel Wanders, Derrin Beck, and Kristin Oomen, *Seminis Vegetable Seeds*

K.C. Crookham, *Scottseed*

Curtis Mokler and Patrick Ross, *Keithly-Williams Seeds*

Jim Christopherson, *Champion Seeds*

Ron Hull, *Osborne Seeds*

Jason Turner, *Logan Zenner*

Jacob Munden, *Hazera Seeds*

Erik Morales, *Bejo Seeds*

Lindsey du Toit and Mike Derie, *WSU-Mount Vernon*

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