

2010 Columbia Basin Onion Cultivar Demonstration Results

Seed Company and Cultivar	Usable Yields tons/acre	Pre-pack %	Medium %	Jumbo %	Colossal %	Culls %	Top Down Rating 8/13	Top Down Rating 8/23	Top Down Rating 9/2
<u>American Takii</u>									
Centerstone	30.19	3.97	17.06	61.27	1.28	16.42	2	8	43
Milestone	28.92	5.10	28.44	56.76	0	9.70	7	33	53
Ruby Ring (R)	23.73	9.90	41.09	47.06	0	1.95	3	18	45
*T-433	27.57	0	1.67	15.00	13.33	3.33	0	0	15
<u>Bejo Seeds</u>									
Calibra	28.19	5.44	13.94	52.10	11.26	17.27	13	35	40
Crockett	36.75	4.94	17.04	66.40	8.59	3.04	2	13	33
Delgado	41.72	2.59	16.05	65.83	10.67	4.86	0	22	42
Gunnison	26.83	8.47	27.69	55.63	1.90	6.30	30	62	68
Legend	37.15	4.43	14.42	57.85	15.37	7.94	0	13	32
Redwing (R)	30.27	2.38	15.91	76.05	0	5.65	0	0	7
Sedona	31.57	1.36	29.64	50.45	4.55	14.00	0	20	38
Talon	26.83	4.23	34.12	42.62	1.19	17.85	5	35	52
Tamara	28.41	1.15	24.90	62.70	2.38	8.87	13	37	60
<u>Crookham Co.</u>									
Advantage	39.57	2.38	1.71	50.20	27.38	8.33	2	8	22
Esteem	41.60	5.20	25.73	58.46	7.98	2.62	7	45	70
OLYX 01-214	29.18	4.18	43.42	44.73	3.53	4.14	15	55	75
OLYX 05-26	27.34	6.13	42.36	46.68	1.52	3.32	3	33	47
OLYX 06-25	34.73	5.04	15.20	56.24	12.10	11.42	0	8	20
Oracle	29.09	4.92	11.17	55.86	25.83	2.22	0	3	15
Red Devil (R)	30.50	0.65	32.47	55.28	6.15	5.44	2	15	35
White Cloud (W)	33.32	0.74	15.00	48.52	17.69	18.06	0	18	40
<u>Logan-Zenner</u>									
450	40.76	6.33	21.65	50.37	10.45	11.20	0	7	22
558	33.65	0	15.34	53.69	16.63	14.35	0	5	23
<u>Nickerson-Zwaan</u>									
37-64	34.09	6.18	26.93	52.71	3.57	10.62	12	35	65
4012	22.15	8.74	33.98	37.31	1.75	18.22	7	40	53
7026	34.56	3.50	17.92	57.62	13.02	7.94	3	12	33
*7044	38.64	0	11.61	44.76	4.13	6.17	5	45	62.5
Maverick	29.65	3.80	8.16	44.31	19.37	24.36	0	2	17

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<u>Nippon Norin</u>									
NN-65	36.08	2.00	35.59	54.99	3.52	3.90	0	7	27
<u>Nunhems</u>									
Arcero	32.02	4.69	14.72	46.21	26.47	7.90	0	5	18
Countach (R)	23.90	10.12	32.09	40.25	7.25	10.29	0	17	32
Granero	37.54	3.96	25.17	53.12	5.48	12.27	2	18	38
Joaquin	32.53	4.49	18.41	42.48	18.07	16.55	0	10	25
Marengo (R)	26.33	1.80	12.65	63.86	2.90	18.79	2	38	52
Montero	44.59	3.13	14.96	63.52	15.06	3.33	13	50	77
Pulsar	22.89	3.88	37.82	36.09	7.02	15.20	33	73	93
Ranchero	30.00	3.57	14.64	62.82	15.41	3.57	2	7	20
Sabroso	24.47	5.64	29.18	49.11	0	16.06	2	15	25
Salsa (R)	26.27	4.18	18.27	62.60	5.87	9.08	0	5	15
*Vaquero	32.98	1.67	12.42	58.10	13.36	14.45	0	10	32.5
<u>Sakata</u>									
Aruba	31.62	3.57	8.33	46.34	29.09	12.67	0	2	7
Bello Blanco(W)	33.77	2.21	15.74	48.08	19.10	14.87	0	0	3
Ovation	43.46	1.96	11.67	37.04	34.17	15.16	2	15	52
*Spanish Medallion	32.72	0	11.54	43.23	26.33	18.90	2.5	10	40
<u>Seminis</u>									
Abilene	17.25	3.61	16.51	55.57	7.63	16.69	0	3	7
Barbaro	26.49	4.49	9.07	43.24	24.32	18.89	0	0	10
Belmar	25.42	2.38	23.60	57.70	6.51	9.80	2	3	17
Elbrus	20.12	0.88	17.26	50.18	9.21	22.48	2	3	13
EX 14593	17.93	4.23	22.40	55.91	4.32	13.14	0	0	10
Marquette	18.04	2.78	9.08	48.25	14.59	25.30	0	13	22
*Orizaba (W)	17.25	3.85	6.07	28.72	9.23	18.80	0	0	0
Rainier (W)	26.66	1.67	22.42	53.25	6.38	16.29	0	5	15
Swale	21.98	0	9.64	40.66	11.56	38.14	0	0	10
<u>Solar Holdings International, Inc</u>									
Polo	21.53	4.17	36.56	51.40	1.04	6.83	0	12	37
SH 1109	18.88	7.33	26.54	48.79	2.78	14.56	2	7	17
<u>Averages</u>	29.81	3.71	20.31	51.05	10.33	11.99	3.55	17.36	33.49

Bulb size and defects are expressed as a percentage of the total bulbs harvested from each plot averaged over the three replicates. Top Down Ratings are expressed as a percentage of the tops estimated to have fallen at the date for the three readings.

The plots were planted on March 24, 2010 with a Stanhay belt planter on 68 inch beds with four double rows per bed and 4 inch seed spacing. The drip irrigated field was owned and farmed by Ko Weyns, Weyns Farms and was located on Rd. 10.5 SE, North of Othello, WA. The surrounding cultivar was Daytona. Plots were 34" by 30 feet with two double rows. Plots were separated with a 5 foot buffer. Plots were lifted on September 15, 2010 and harvested on September 23, 2010.

Data is expressed as an average of three replications except where an * appears. Data for cultivars marked with an * is expressed on 1 or 2 plots opposed to the typical 3 due to problems that occurred when planting the plots.

Participating Companies:

American Takii- 301 Natividad Rd, Salinas, CA 93906
Bejo Seeds-1972 Silver Spur Place, Oceano, CA 93445
Crookham Co.-PO Box 520, Caldwell, ID 83606.
Logan-Zenner Seeds Inc.-PO Box 2443, Pasco,WA 99302
Nickerson-Zwaan-3725 N. Jason Ave. #2 Pasco,WA 99301
Nippon Norin-3219 Mariner Lane, Longmont, CO 90503
Nunhems USA-8850 59th Ave. NE, Brooks, OR 97305
Sakata Seed-New Mexico Station, PO Drawer F, Messilla, NM 88046
Seminis Vegetable Seeds-32537 Apple Valley Rd, Parma, ID 83660
Solar Holdings International, Inc.-302 S. Center St., Eustis, FL 32726

Thanks for the assistance and Cooperation of:

Ko Weyns, Weyns Farms
Dennis Atkinson, Kristin Oomen, Marcel Wanders, and Collyn Larson, *Monsanto Vegetable Seeds*
Brenda Schroeder, *WSU Pullman*
Lindsey DuToit, *WSU Mount Vernon*
Mike Derie, *WSU Mount Vernon*
Todd Clark, *Keithly Williams*
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***WSU Extension programs and employment are available to all without discrimination.
Evidence of noncompliance may be reported through your local Extension Office.***

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