

2010 WSU ONION STORAGE DEMOSTRATION RESULTS

Seed Company and Cultivar	Firmness (1)	Scale Retention (2)	Shape (3)	% Bacterial Rot	% Neck Rot	% Bulbs with single canthers	% Sprouts
<u>American Takii</u>							
Centerstone	3	4	3.67	8.56	5.54	52.75	45.64
Milestone	3.33	4	4	1.96	3.53	53.11	37.91
Ruby Ring (R)	2	3.67	3.33	0	0.69	62.61	80.47
T-433*	3	3	4	0	11.11	42.54	22.23
<u>Bejo Seeds</u>							
Calibra	3.67	4	4	0	4.17	31.67	31.53
Crockett	4.33	4.33	3.33	0	4.61	69.38	17.31
Delgado	4	4	3.67	1.11	5.26	49.38	18.21
Gunnison	4	4	3.67	0	2.02	64.86	33.91
Legend	4.67	5	4	0	7.63	50.73	22.1
Redwing (R)	3.67	4	4	4.44	7.97	39.76	61.5
Sedona	3.33	4	3	0	6.16	74.14	33.22
Talon	4.67	4.33	4	0	2.22	60.84	20.92
Tamara*	4	4	4	0	3	58	25
<u>Crookham Co.</u>							
Advantage	3	4	2.67	3.71	44.69	69.73	36.6
Esteem	3.67	3.67	3.67	1.33	0	78.52	36.67
OLYX 01-214	4	4	2.67	0	1.95	76.12	36.32
OLYX 05-26	3	3.67	3	2.57	6.72	60.64	31.05
OLYX 06-25	2.67	4	3	0	9.52	90.37	25.91
Oracle	2.67	4	3.33	4.76	32.82	60.1	26.56
Red Devil (R)	3	4	2.67	1.39	6.01	74.09	49.16
White Cloud (W)	2.33	3.33	3.33	1.48	24.05	49.15	42.48
<u>Logan- Zenner</u>							
450	3	3.67	3.67	1.28	18.98	68.06	29.39
558	3	4	3.67	0	11.7	72.86	40.72

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Elbrus	3.67	4	4	13.13	4.71	52.27	31.31
EX 14593	3	4	3.33	0	15.11	55.41	48.3
Marquette	3.33	4	3.67	0	8.61	74.12	36.09
Orizaba (W)*	3	3.5	4	0	20	42.5	52
Rainier (W)	2.67	4	3.33	0	15.96	45.64	61.3
Swale	3.67	4	3.33	1.85	5.96	85.79	28.38
<u>Solar Holdings International, Inc</u> Polo	4	4	3.67	0	2.75	64.88	28.67
SH 1109	4	4	3.67	2.08	7.53	25.92	29.06
TRIAL AVERAGES	3.07	3.66	3.28	2.04	8.29	61.5	32.77

(R) – Red onion, (W) – White onion

The bulbs were evaluated for the following criteria on February 3, 2011. Values in the table are expressed as an average of the three replicates that were stored and evaluated for each cultivar except where an * appears. Data for cultivars marked with an * is expressed 2 plots opposed to the typical 3 due to problems that occurred when planting the plots.

(1) Firmness

1 to 5 scale
5 = Rock hard bulbs
1 = Soft bulbs

(3) Shape

1 to 5 scale
5 = Highly uniform
1 = Extreme variability in shape

(2) Scale retention

1 to 5 scale
5 = Complete scales, no cracks/shrink
4 = Complete scales, some cracks
3 = Marketable, partial balding
2 = 50-75% incomplete skins
1 = Unacceptable scale retention, non-marketable

Participating Companies

Name	Address
American Takii Inc.	301 Natividad Road Salinas, CA 93906
Bejo Seed Company	PO BOX 40607 Eugene, OR 9704
Crookham Company	PO Box 520 Caldwell, ID 93606
Logan-Zenner Seeds Inc.	PO Box 2443 Pasco, WA 99302
Nippon Norin	3219 Mariner Lane Longmont, CO 90503
Nunhems USA	8850 59 th 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 to those who participated in the storage evaluation of the 2010 WSU Onion Cultivar Trial. Those that helped were:

Travis Whitney- Nunhems USA
 Brandon Kania- Bejo Seeds Inc.
 Brenda Schroeder- WSU
 Cameron Skeen- Keithly Williams Seeds
 Darlene Maxwell- Bejo Seed
 Jason Turner- Logan Zenner Seeds Inc.
 Jim Christopherson- L&L Ag Production
 Josh Carter- Keithly Williams Seeds
 Brian Logan- Logan Zenner

Casey Crookham- ScottSeed
 Patrick Kawaguchi- Osborne Seed
 Jacob Munden- Nunhems USA
 Bryan Bair- Keithly Williams Seeds
 Ron Hull- Osborne Seed Company
 Steve Graton- Champion Seed
 Jodi Humann-WSU
 Cheryl Armstrong- WSU

Your efforts are much appreciated. Special thanks go to Weyns Farms for hosting the 2010 WSU Cultivar Trial and Storage Evaluation.

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