

2011 WSU ONION CULTIVAR STORAGE DEMONSTRATION RESULTS

Seed Company & Cultivar	(1) Firmness	(2) Scale Retention	(3) Shape	% Neck Rot	% Bacterial Rot	% Single Centered Bulbs	% Sprouts
American Takii							
Centerstone	4.0	4.0	3.0	0.0	0.0	52.7	36.7
Milestone	4.3	4.7	3.3	2.8	0.0	62.9	34.6
Ruby Ring (R)*	3.0	3.5	4.5	0.0	0.0	82.0	84.0
Trailblazer	4.7	4.0	5.0	4.0	0.0	22.0	54.7
Y-0903	3.0	4.3	3.3	3.3	0.0	78.7	33.3
Bejo Seeds							
Calibra	4.7	4.3	4.0	2.0	0.0	29.3	33.3
Crockett	4.3	5.0	3.7	3.3	0.0	76.7	26.0
Delgado	4.0	5.0	4.3	4.7	0.0	56.7	22.0
Gunnison	4.7	4.7	4.7	2.7	0.0	58.7	26.0
Legend	4.7	5.0	4.0	4.9	0.0	28.9	18.8
Redwing (R)*	4.5	4.5	3.5	0.0	0.0	85.0	46.0
Sedona	4.0	4.0	3.7	3.3	1.3	72.0	28.7
Talon	4.7	5.0	4.3	0.7	0.0	60.0	30.7
Tamara	5.0	4.7	4.0	0.7	0.0	66.7	28.0
Crookham Co.							
Advantage	3.0	4.7	3.0	14.7	0.0	82.6	26.8
Avalon	3.0	3.0	3.3	7.3	0.0	72.7	38.7
Brundage (W)*	3.0	5.0	4.0	12.0	0.0	84.0	52.0
Esteem	4.0	4.0	4.0	0.7	0.0	90.7	32.0
Morpheus	3.0	4.7	3.7	0.0	0.0	87.3	27.3
Oracle	3.3	4.7	3.3	4.7	0.0	90.7	15.3
Pontiac	3.7	4.7	2.7	1.3	0.7	77.2	24.2
The Rock	3.3	5.0	3.3	6.1	0.0	82.4	27.7
Trigger	4.0	4.0	3.7	0.8	0.0	90.9	21.6
White Cloud (W)*	2.7	4.3	3.3	6.0	0.0	52.1	50.2
Nickerson-Zwaan							
NiZ 2020	2.7	4.7	2.0	2.7	0.0	88.5	30.6
Maverick	3.3	4.0	3.0	0.7	0.7	74.7	26.7
NiZ 2015	4.0	4.3	3.7	0.7	0.0	76.7	32.0
NiZ 3781	4.0	4.7	3.3	0.7	0.0	90.7	31.3

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Nippon Norin							
NN 65	3.7	4.7	3.0	6.0	0.0	88.0	23.3
Nunhems USA							
Arcero	3.7	4.0	4.0	0.7	0.7	90.7	16.7
Cometa (W)	3.3	4.3	3.3	2.7	0.0	87.3	42.0
Granero	4.3	5.0	4.0	3.3	0.0	86.0	24.7
Joaquin	4.0	4.7	4.0	1.3	0.0	86.7	28.0
Marengo (R)	3.3	3.0	4.3	0.0	0.0	78.7	60.0
Montero	2.7	3.7	3.3	2.7	0.0	84.7	22.7
Ranchero	3.0	4.3	3.3	2.7	0.0	88.0	27.3
Solstice (W)	3.3	5.0	3.7	2.0	0.0	78.0	40.0
Vaquero	3.7	4.3	3.7	1.3	0.0	87.3	34.7
Sakata Seed							
Bello Blanco (W)	3.0	4.3	3.0	4.8	0.7	72.4	40.1
Ovation	2.3	2.7	3.0	1.3	0.0	58.7	56.7
Spanish Medallion	2.3	3.0	3.0	1.3	0.7	60.7	46.7
XON-659Y	2.7	4.3	3.3	4.0	0.0	82.6	34.9
Seminis Vegetable Seeds							
Affirmed	3.7	4.7	4.0	2.0	0.0	76.0	28.0
Barbaro	3.0	3.7	3.3	0.0	0.0	91.3	30.0
Belmar	3.3	4.7	3.7	1.3	1.3	85.3	41.3
Elbrus	3.7	4.3	3.7	0.7	0.0	50.7	46.7
EX 14593 (R)	3.3	4.0	3.0	0.0	0.0	86.7	62.0
Orizaba (W)	3.3	4.7	3.7	2.7	0.7	61.6	51.4
Rainier (W)	3.3	5.0	4.0	4.0	0.0	58.0	49.3
Ruffian	3.0	4.0	4.0	0.7	0.0	84.0	39.3
Swale	3.3	3.7	3.7	0.0	0.0	85.3	30.7
Solar Holdings							
Polo	4.0	5.0	3.7	1.3	0.0	66.0	26.0
Stanley	4.0	4.7	3.3	0.7	0.0	47.3	28.7
AVERAGES	3.6	4.3	3.6	2.6	0.1	73.4	34.7

The bulbs were evaluated on February 10, 2012 after almost five months in storage. Values in the table are the average results of three replicates for each cultivar, except for Ruby Ring*, Redwing*, Brundage*, and White Cloud* for which the values are averaged over two replicates. The following criteria were used to evaluate bulb firmness, scale retention, and uniformity of shape.

(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:

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
 Seminis Vegetable Seeds, 32537 Apple Valley Rd, Parma, ID 83660
 Solar Holdings International, Inc., 302 S. Center St., Eustis, FL 32726

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Casey Crookham- Scottseed	Kristen Oomen- Seminis Vegetable Seeds
Todd Clark- Keithly Williams Seeds	Brenda Schroeder- WSU
Lindsey du Toit- WSU	Jason Turner- Logan Zenner
Ron Hull- Osborne Seed Company	Travis Whitney- Nunhems USA
Jimmy Pierce – Seminis Vegetable Seeds	Manuel Jimenez – American Takii
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