



Seed Company & Cultivar	Firmness (1)	Scale Retention (2)	Shape (3)	Neck Rot (%)	Bacterial Rot (%)	Single Centered Bulbs (%)	Sprouts (%)	Internal Dry Scale (%)
<b>Nippon Norin</b>								
NO-116	2.3	2.7	3.3	2.2	5.9	33.5	59.2	5.8
<b>Nunhems USA</b>								
Anillo	3.0	3.2	4.3	0.7	2.7	54.7	24.3	6.7
Arcero	3.5	3.7	3.8	0.0	4.9	87.8	5.3	4.3
Campero	3.7	4.2	4.0	0.0	3.3	48.0	1.3	5.3
Cometa (W)	3.2	3.0	3.7	2.7	0.7	74.0	10.0	1.3
Countach (R)	3.0	2.3	3.7	0.0	7.9	19.6	13.9	5.7
Joaquin	4.2	4.3	4.0	0.0	5.3	99.3	10.7	8.7
Marengo (R)	3.2	2.7	3.0	0.0	23.9	22.0	20.4	15.5
Montero	3.7	3.5	4.0	0.0	3.3	73.3	9.3	5.3
NUN8003ON (W)	3.7	3.3	4.0	3.3	7.7	86.2	13.3	2.7
Oloroso NUN7202ON	4.2	4.3	4.3	0.0	2.1	93.3	0.0	4.7
Pandero	4.0	4.3	3.8	0.0	1.3	65.3	10.0	2.0
Utrero	4.8	5.0	4.5	0.0	0.0	87.1	4.2	0.7
Valero	4.7	5.0	4.8	0.0	0.0	62.0	10.7	1.3
Vaquero	3.5	3.7	4.0	0.7	7.4	78.8	9.5	8.7
<b>Sakata Seed</b>								
Ovation	2.7	1.7	3.5	0.0	16.4	51.9	9.9	17.7
Spanish Medallion*	3.2	3.3	3.7	8.3	11.4	42.0	16.5	15.8
<b>Seminis</b>								
16000	3.0	3.0	3.3	0.0	6.4	90.3	14.6	5.6
Belmar	4.2	3.7	4.0	0.0	4.0	69.3	14.0	6.0
Elbrus	3.7	3.8	4.0	0.0	4.1	33.2	18.4	2.0
SV4058100 (W)	3.0	3.3	3.8	6.0	6.7	71.1	20.7	4.0
SV4643NT	3.7	3.0	3.5	0.0	1.5	36.7	31.0	3.0
SV6646NW	3.8	3.5	3.7	0.0	5.6	80.2	10.7	5.0
SV6672NW	3.7	3.2	4.0	0.0	1.3	70.7	10.7	2.7
Swale	3.3	3.2	3.8	0.0	5.4	71.8	13.5	6.1
<b>AVERAGES</b>	<b>3.7</b>	<b>3.5</b>	<b>3.8</b>	<b>1.3</b>	<b>5.5</b>	<b>56.4</b>	<b>13.1</b>	<b>7.0</b>

Plots indicated with an \* had poor seed germination and stand, which resulted in poor yields but large bulbs.

**(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

**Storage Evaluation Overview:**

Bulbs were harvested on September 15, 2014 after field curing. Fifty bulbs were collected and bagged from each plot. There were three replicated plots for each cultivar. Bulbs were held in bins in a commercial storage facility until evaluation on February 9, 2015. The values reported in the table are the average results from three replicates for each cultivar.

**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

**Thanks to those who participated in the storage evaluation:**

Aaron Trent, Crookham Company

Curtis Mokler, Keithly Williams

Todd Clark, Keithly Williams

Casey Crookham, Scottseed

Travis Whitney, Nunhems USA

Kevin Kudsk, L&L Ag

Jacob Munden, Hazera Seeds

Sage Haegen, Hazera Seeds

Michael Navarrete, Seminis

Mike Derie, WSU

Jason Turner, Logan Zenner

Josh Carter, Keithly Williams

Josh Robertson, Keithly Williams

Magdiel Martinez, L&L Ag

Larry Bauman, L&L Ag

Ceely Wild, Nunhems USA

Harold Frazier, Hazera Seeds

Gus Ambrosaus, Logan Zenner

Lindsey du Toit, WSU

**Special thanks to Wally Huppert and Carr Farms for hosting the 2014 WSU Onion Cultivar Trial and storing the onions until evaluation. Thank you to Hazera Seeds for hosting the storage evaluation and for providing lunch.**

**If you have questions or comments:**

Tim Waters

WSU Franklin & Benton Co. Extension

1016 N. 4<sup>th</sup>

Pasco, WA 99301

509-545-3511

[twaters@wsu.edu](mailto:twaters@wsu.edu)

Carrie Wohleb

WSU Grant & Adams Co. Extension

1525 E. Wheeler Rd.

Moses Lake, WA 98837

509-754-2011 x.4313

[cwohleb@wsu.edu](mailto:cwohleb@wsu.edu)