

2017 COLUMBIA BASIN ONION CULTIVAR STORAGE DEMONSTRATION RESULTS

Seed Company & Cultivar	Firmness <sup>1</sup>	Scale Retention <sup>2</sup>	Shape Uniformity <sup>3</sup>	Bacterial Rot (%)	Black Mold (%)	Neck Rot (%)	Sprouts (%)	Single Centered Bulbs (%)
<b>American Takii</b>								
Centerstone	3.8	3.7	3.2	0.0	0.0	0.0	12.1	53.8
Frontier	3.5	3.2	3.3	0.9	0.0	0.0	74.2	17.4
Grand Perfection	3.3	3.2	3.7	1.5	0.0	0.0	20.3	63.5
Highlander	1.7	2.0	2.3	0.0	0.0	0.0	91.9	4.1
Milestone	3.7	3.5	3.5	0.0	0.0	0.8	30.4	67.1
Ridge Line	3.2	3.0	3.3	0.0	0.0	0.0	19.3	47.3
Traverse	3.0	3.2	4.0	0.0	0.0	0.0	16.0	82.7
Trekker	3.8	3.3	4.3	0.0	0.0	0.0	37.3	38.0
<b>Bayer/Nunhems</b>								
Airoso	4.0	3.8	3.8	0.7	0.0	0.0	23.6	89.0
Anillo	3.5	4.2	3.7	0.0	0.0	0.0	12.7	92.0
Arcero	3.7	3.8	3.7	1.4	0.0	0.0	11.1	88.9
Granero	4.2	4.2	4.0	0.0	0.0	0.0	12.7	75.7
Montero	3.2	3.5	3.2	0.0	0.0	0.0	20.6	90.9
Oloroso	4.0	4.3	4.2	0.0	0.0	0.0	11.9	83.3
Ranchero	3.2	3.2	3.2	0.7	0.0	0.0	19.3	71.3
Vaquero	3.7	4.0	4.0	0.0	0.0	0.0	11.8	80.0
<b>Bejo Seeds</b>								
Calibra	3.5	4.0	4.0	0.0	0.0	0.0	13.5	77.0
Crockett	4.0	4.0	3.3	0.7	0.0	0.0	12.7	86.0
Dawson	4.0	3.5	3.8	0.0	0.0	0.0	9.0	90.6
Hamilton	3.8	4.0	3.7	2.0	0.0	0.0	3.3	88.7
Legend	4.2	3.8	3.8	0.0	0.0	0.0	2.8	51.7
Mondella	3.8	3.7	3.8	0.0	0.0	0.0	16.5	91.1
Red Carpet (R)	3.2	3.5	3.0	0.7	0.0	0.0	31.2	54.7
Talon	4.0	4.0	3.3	0.0	0.0	0.7	20.0	74.7
Tamara	4.0	3.7	3.7	0.0	0.0	0.0	17.5	69.6
<b>Crookham Co.</b>								
Advantage	3.2	3.7	3.3	0.0	0.0	0.7	26.9	73.9
Brundage (W)	2.8	3.8	2.8	0.7	0.0	1.5	22.4	85.3
Morpheus	2.8	3.8	3.8	1.3	0.0	0.0	19.3	90.0
OLYX08-640	4.2	3.7	2.8	0.0	0.0	0.0	35.3	85.8

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<b>Crookham cont.</b>								
Purple Haze (R)	2.8	2.5	2.2	0.0	0.0	0.0	49.4	70.3
Red Beret (R)	3.0	3.2	2.3	0.7	0.0	0.7	48.3	67.9
Red Devil (R)	3.2	2.7	2.3	0.0	0.0	0.0	46.9	83.0
Scout	3.0	2.7	3.5	0.0	0.0	1.3	15.3	62.0
White Cloud (W)	3.3	2.7	2.5	0.9	0.0	2.2	23.8	51.4
<b>Enza Zaden</b>								
Caoba	3.8	4.0	3.87	0.0	0.0	0.0	6.6	35.7
E61L. 10043	3.8	3.8	4.0	0.7	0.0	0.0	9.3	48.7
E61L. 10058	3.0	2.5	3.0	0.0	0.0	0.0	48.7	42.7
Monastrell (R)	3.0	2.3	2.8	3.9	0.0	0.8	45.0	44.9
<b>Hazera</b>								
Ceresco	3.8	3.8	2.8	0.0	0.0	0.0	29.9	51.4
Cruiser	3.7	3.7	3.3	0.7	0.0	0.0	9.3	80.7
Rhino	4.0	4.0	3.5	2.1	0.0	0.0	9.0	86.5
<b>Sakata Seed</b>								
Aruba	3.3	3.5	3.2	0.0	0.0	0.0	13.4	76.7
Dulce Reina	2.7	3.3	2.3	0.0	0.0	0.0	17.5	79.9
Lasso	3.0	3.0	3.7	1.5	0.0	0.0	23.9	80.9
<b>Seminis Veg. Seeds</b>								
Red Nugent (R)	2.2	2.5	2.5	0.8	0.0	0.0	36.3	51.5
SV4058NU	3.2	3.7	3.3	3.4	0.0	0.7	34.1	80.8
SV4643NT (R)	3.2	3.0	2.8	0.0	0.0	0.0	38.2	55.0
SV6672NW	3.2	3.3	3.8	2.0	0.0	0.0	8.0	70.5
Swale	3.3	3.5	3.5	0.0	0.0	0.0	17.2	82.3
Tucannon	3.8	3.8	3.0	2.2	0.0	0.8	15.2	82.0
XP07716000	3.2	3.3	3.3	0.7	0.0	0.0	14.0	74.7
<b>AVERAGES</b>	<b>3.4</b>	<b>3.4</b>	<b>3.3</b>	<b>0.6</b>	<b>0.0</b>	<b>0.2</b>	<b>23.8</b>	<b>69.2</b>

<sup>1</sup>**Firmness** 1 to 5 scale

5 = Rock hard bulbs

1 = Soft bulbs

<sup>3</sup>**Shape** 1 to 5 scale

5 = Highly uniform shape

1 = Extremely variable

<sup>2</sup>**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, 2017 after field curing. Fifty bulbs were collected and bagged from each plot. Bulbs were held in bins in a commercial storage facility until evaluation on February 8, 2018. The values reported in the table are the average results from three replicates.

**Participating Companies:**

American Takii, Inc., 301 Natividad Rd., Salinas, CA 93906  
Bayer/Nunhems USA, 8850 59th Ave. NE, Brooks, OR 97305  
Bejo Seeds, Inc., 1972 Silver Spur Place, Oceano, CA 93445  
Crookham Company, P.O. Box 520, Caldwell, ID 83606.  
Hazera Seeds, Inc., 6601 Lyons Road, Suite H-10, Coconut Creek, FL 33073  
Enza Zaden USA, Inc., 7 Harris Place, Salinas, CA 93901  
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 everyone who participated in the storage evaluation:**

Mike Derie, WSU	Michael Straugh, Bayer
Rene Emch, Enza Zaden	Ceely Will, Bayer
Jimmy Graton, Gowan Seed	Jason Turner, Logan Zenner
Sage Haegen, Hazera Seeds	Kevin Kudsk, L&L Farms
Josh Carter, Keithly Williams	Curtis Mokler, Keithly Williams
Steve Graton, Gowan Seed	Cory Marshburn, Champion Seed
Jose F. Arias, Hazera Seeds	Travis Whitney, Bayer
Michael Navarrete, Seminis	Barry Younkin, Hazera Seeds
Ron Hull, Champion Seed	Wally Huppert, L&L Farms
Todd Clark, Gowan Seeds	Calvin Lietzow, Hazera Seeds

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**If you have questions or comments:**

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