

2013 COLUMBIA BASIN ONION CULTIVAR STORAGE DEMONSTRATION RESULTS

Seed Company & Cultivar	Firmness (1)	Scale Retention (2)	Shape (3)	Neck Rot (%)	Bacterial Rot (%)	Single Centered Bulbs (%)	Sprouts (%)
American Takii							
Centerstone	4.0	3.7	3.7	1.4	2.0	34	0.0
Highlander	2.3	2.0	2.8	0.0	1.7	2	2.3
Milestone	3.3	4.0	4.0	0.0	0.0	37	0.0
Ruby Ring (R)	2.7	3.3	3.0	0.7	1.3	51	0.0
Trailblazer	4.3	3.3	3.3	0.0	0.0	15	0.0
Trekker	4.7	4.0	4.3	0.0	0.0	14	0.0
TTA-747 (Y-0903)	3.3	4.0	4.0	0.0	0.0	50	0.0
Bejo Seeds							
Calibra	4.0	4.0	3.7	0.0	0.7	13	0.0
Crockett	4.3	4.3	3.7	1.3	0.7	53	0.0
Delgado	4.7	4.0	3.7	0.7	0.0	21	0.0
Gunnison	4.7	4.3	4.0	0.0	0.0	57	0.0
Legend	4.7	4.3	3.7	0.7	0.0	17	0.0
Red Bull (R)	3.7	4.0	3.3	0.0	0.0	23	0.0
Sedona	3.7	3.7	2.7	2.7	0.7	45	0.0
Talon	4.7	4.3	3.7	0.0	0.0	55	0.0
Tamara	5.0	5.0	4.7	0.0	0.7	38	0.0
Crookham Co.							
Advantage	3.3	2.7	3.0	4.7	2.7	61	0.0
Brundage (W)	2.7	3.7	3.7	2.0	0.7	75	0.0
Esteem	4.0	3.7	3.3	0.0	0.7	81	0.0
Morpheus	3.3	3.0	3.7	0.0	2.0	82	0.0
Pontiac	3.7	3.7	3.0	2.7	0.7	85	0.0
Purple Haze (R)	2.7	3.0	3.0	1.3	0.0	65	0.0
Scorpion	4.0	4.0	3.7	0.0	0.0	61	0.0
Scout	3.0	2.7	3.0	0.0	0.7	57	0.0
Hazera Seeds							
Cruiser	3.0	3.7	3.3	0.0	0.0	59	0.0
Frontino	3.0	3.3	2.3	0.0	2.2	77	0.0
Maverick	3.0	2.7	2.7	0.7	0.0	60	0.0
Ventura	3.7	3.7	3.0	0.7	0.0	61	0.0
Nippon Norin							
NO113	4.0	4.3	4.7	0.0	0.7	43	0.0

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Nunhems USA							
Anillo	3.3	4.0	3.3	0.0	0.0	92	0.0
Arcero	3.7	3.7	4.0	1.3	0.0	92	0.0
Campero	4.3	4.0	3.7	0.0	2.0	51	0.0
Cometa (W)	3.0	3.3	3.3	0.0	2.7	84	0.0
Countach (R)	3.3	3.0	2.7	0.0	0.0	24	0.0
Granero	4.7	4.3	4.3	0.0	0.0	79	0.0
Joaquin	4.0	3.7	3.7	0.7	0.0	83	0.0
Marengo (R)	3.0	3.0	3.7	0.0	0.7	44	0.0
Montero	3.0	3.3	3.0	2.1	2.8	62	0.7
NUN7202ON	4.0	5.0	4.3	1.3	0.0	92	0.0
NUN8003ON (W)	3.0	3.7	4.0	4.7	2.0	81	0.0
Pandero	4.3	4.3	3.7	0.0	0.0	60	0.0
Utrero	4.3	4.7	4.3	0.0	0.0	87	0.0
Valero	4.0	4.0	3.7	0.7	0.0	51	0.0
Vaquero	3.0	3.3	3.7	0.0	0.0	55	0.0
Sakata Seed							
Aruba	2.7	3.0	3.0	1.4	0.7	67	0.0
Bello Blanco (W)	3.0	3.3	3.0	2.0	1.4	64	0.0
Dulce Reina	3.0	3.0	3.0	3.3	0.7	57	0.0
Lasso	3.3	2.7	3.0	3.0	2.3	46	0.0
Ovation	3.0	2.3	2.7	0.8	2.3	24	0.0
Seminis							
Belmar	3.0	3.7	3.3	0.7	0.0	62	0.0
Elbrus	3.7	4.0	3.3	0.0	0.0	35	0.0
SV4058NV (W)	2.7	4.0	3.3	0.7	4.0	67	0.0
SV4643NT	3.0	3.3	2.3	0.0	1.3	29	0.0
SV6646NW	3.3	3.3	3.7	0.0	0.7	56	0.0
SV6672NW	3.0	3.7	3.7	0.0	0.7	77	0.0
Swale	4.3	4.0	3.7	1.3	3.3	65	0.0
XP007716000	2.7	2.3	2.3	0.0	0.0	63	0.0
AVERAGES	3.5	3.6	3.4	0.7	0.8	54	0.09

(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 20, 2013 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 5, 2014. 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:

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Josh Robertson, Keithly Williams

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Johan Devisser, Bejo

John DeSantis, Taylor Farms

Larry Bauman, Target Ag Production

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Kerrick Bauman, Target Ag Production

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