

2007 WSU ONION STORAGE DEMONSTRATION

CULTIVAR	(1) Firmness	(2) Scale Retention	(3) Shape	%Bacterial rot	% Bulbs with neck rot	% Bulbs with black mold	% Bulbs with other rot	% Bulbs with single centers
American Takii								
Centerstone	3.66	4.00	4.00	0	2.22	0	0	55.53
Frontier	4.00	4.00	5.00	0	0	0	0	10.25
Milestone	4.00	3.66	3.00	1.88	0.70	0	1.16	43.35
Ruby Ring	3.00	4.33	4.00	1.50	1.33	0	0.83	56.17
T-433	3.00	3.00	2.66	0	0.69	0	0	32.46
Tequila	2.33	3.00	3.00	1.86	1.86	0	0	79.00
Bejo Seeds								
BGS-231	3.66	5.00	4.33	1.44	6.88	0	0	41.84
Calibra	4.00	4.66	4.33	0	0	0	0	28.67
Crocket	5.00	5.00	3.66	0.66	0	0	0	76.67
Delgado	4.00	4.66	3.33	2.04	0	0	0	42.98
Desperado	3.66	4.00	3.66	0	1.42	0	0	56.9
Gunnison	4.00	4.66	4.00	0	1.63	0	0	74.60
Peso	3.00	4.00	3.66	0	1.54	0	0	34.17
Red Bull	3.33	4.66	3.00	0.66	1.37	0	0	29.35
Red Wing	Not Harvested							
Sedona	4.33	4.33	3.66	0	0.66	0	0	55.77
Snowflake	3.00	2.66	3.33	1.33	1.33	0	0	22.00
Talon	4.00	4.66	3.66	0.66	0	0	0	56.67
Tamara	4.00	4.66	4.00	0.66	0.72	0	0	36.09
White Wing	2.66	3.00	3.00	2.00	3.33	0	0.66	11.33
Crookham Company								
Harmony	2.33	3.00	3.00	3.86	21.0	0	0	36.88
Nobility	3.66	4.00	2.66	0.66	0.70	0	0	59.32
OLYSO 5N5	3.00	3.66	3.33	0.98	2.61	0	0.75	67.22
OLYSO 3-207	3.00	4.00	4.33	0.95	0.90	0	0	78.80

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D Palmer Seed								
DPS 1413	4.00	4.33	3.00	0	0	0	0	37.79
DPS 1414	4.00	4.33	3.66	1.11	0.66	0	0	47.70
DPS 1415	4.00	4.33	3.00	2.00	0.66	0	0	43.30
DPS 1416	3.66	5.00	3.00	0	0	0	0	28.52
DPS 1417	3.66	4.66	3.33	1.57	0.74	0	0	31.96
DPS 1418	4.33	4.66	4.00	1.33	0.66	0	0	48.00
DPS 1419	4.33	4.33	3.66	0	0.72	0	0	52.61
Evolution	3.66	4.66	4.00	0	6.02	0	0	91.07
Generation X	3.33	4.00	4.00	0	0.66	0	0	89.17
Mesquite	2.00	3.00	3.00	1.04	0	0	0	51.59
Global Genetics								
6093	3.00	4.00	4.00	2.08	2.08	0	0	93.08
Maverick	2.00	3.00	3.33	0	0.87	0	0	76.56
Outlaw	4.00	4.00	3.33	0	3.11	0	0	77.93
Ringleader	3.00	4.33	3.66	1.67	1.15	0	0	94.63
Nippon Norin								
RE-E	4.00	4.00	3.33	3.89	1.92	0	0	37.78
Nunhems								
Arcero	3.00	4.00	3.66	0	0.69	0	0	95.31
Grand Coulee	3.66	4.66	4.00	2.15	1.33	0	0	88.37
Granero	3.66	4.33	4.66	2.69	0.66	0	0	89.25
Joaquin	3.33	4.66	3.66	0	1.33	0	0	99.10
Montero	3.00	4.00	3.00	0.66	0	0	0	78.67
Pandero	3.33	4.33	3.66	0.66	0	0	0	82.39
Ranchero	2.66	3.33	3.33	1.40	0	0	0.74	81.41
Sabroso	4.00	5.00	4.33	0.66	0.66	0	0	80.67
Salsa	3.00	3.00	3.33	1.33	0	0	0	26.67
Vaquero	3.66	3.66	4.00	1.42	0	0	0	87.05

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Sakata Seed								
Spanish Medallion	2.33	2.66	2.66	2.81	2.00	0	0	41.48
Seminis Vegetable Seeds								
Affirmed	3.33	4.00	4.66	0	0.90	0	0	87.03
Caveat	4.00	3.66	3.00	0	0	0	0	56.67
Charismatic	3.00	4.00	4.00	2.50	0	0	0	73.59
Grateful Red	3.00	3.66	2.00	0.66	0	0	0	37.26
Monachos	3.00	4.33	4.33	0	1.61	0	0	87.75
Orizaba-W	3.00	3.33	3.33	3.39	0.66	0	0	62.83
Toluca-W	3.00	4.00	3.66	1.33	1.33	0	0.81	72.98
XP 15875	3.66	4.33	4.00	1.33	0	0	0	42.67
XP 18304	4.00	4.66	3.66	0	2.67	0	0	79.86
XP 7011	4.00	4.33	3.66	0	0	0	0	42.68
TRIAL AVERAGES	3.44	4.03	3.58	0.99	1.4	0	.08	57.98

The bulbs were evaluated for the following criteria on February 11, 2008. Values in the table are expressed as an average of the three replicates that were stored and evaluated for each cultivar. No sprouts were detected in the trial; therefore, that column was removed from the data table.

(1) Firmness

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

(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

(3) Shape

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

Participating Companies

Name	Address	Phone Number
American Takii Inc.	301 Natividad Road Salinas, CA 93906	408-443-4901
Bejo Seed Company	PO Box 40607 Eugene, OR 97404	541-953-2090
Crookham Company	PO Box 520 Caldwell, ID 83606	208-459-7451
D. Palmer Seed Company	8269 S. Hwy. 95 Yuma, AZ 85365	928-341-8496
Global Genetics	3424 Roberto Court San Luis Obispo, CA 93401	208-642-0301
Nippon Norin	3219 Mariner Lane Longmont, CO 80503	303-772-0185
Nunhems	908 Riverview Avenue Selah, WA 98942	503-393-3243
Sakata Seed	PO Box 880 Morgan Hill, CA 95038-0880	408-778-7758
Seminis Vegetable Seed	425 N. Columbia Center Blvd. Kennewick, WA 99336	509-374-2805

Thanks to those who participated in the storage evaluation of the 2007 WSU Onion Cultivar Trial. Your efforts are much appreciated. Special thanks go to Hartley Farms for hosting the 2007 WSU Cultivar Trial and Storage Evaluation.

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