

2009 WSU ONION STORAGE DEMONSTRATION

CULTIVAR	Firmness (1)	Scale Retention (2)	Shape (3)	%Bacterial rot	% Aspergillus	% Fusarium	% Bulbs with single centers	% Sprouts
American Takii								
Frontier	3.3	2.3	4.3	0.67	0	0.67	30.67	31.33
Milestone	3.3	3	3.3	0.67	0	0	51.33	15.33
Ruby Ring (R)	3	3	3.7	0.67	0	0	72.33	29.45
T-433	3.7	3	2.7	0	0.93	3.14	26.47	1.54
Bejo Seeds								
Calibra	3.7	4.7	3.3	1.4	0	2.22	29.37	13.60
Crockett	4.7	5	3.3	0	0	1.36	70.9	9.58
Delgado	4.3	5	4.3	0	0	2.06	34.13	5.75
Gunnison	4.7	4.3	3.7	0	0	2	54.67	12
Legend	4.3	5	3.7	1.33	0	4	23.77	6
Redwing (R)	4.7	4.7	3.7	0	0	1.33	53.33	25.33
Sedona	3.7	3.7	4	0.67	0	0.67	56.67	16
Talon	4.3	4.7	3.7	1.6	0	2.26	53.07	3.33
Tamara	4.3	4.3	3	1.33	0	2	86	13.33
Crookham Co.								
OLRH06-91 (R)	3	3	2.7	2.67	0	0.67	66.67	20.67
OLYS03-207	2.7	3.7	3	0	0	0.76	75.67	11.03
OLYS05-N5	2	3	3.7	1.43	0	0.67	75.8	8.22
OLYX00-23	3	2.3	2.7	0.67	0	1.33	75.33	10.67
OLYX01-214	3.7	3.3	2.7	0.67	0	2.01	61.77	9.46
OLYX05-26	4	4	2.3	0.67	0	0.79	57.03	2.79
White Cloud (W)	2.3	3	2.7	1.37	0.68	0.67	54.3	22.11
Nippon Norin								
NN65	3.3	4	3	0	0	0.67	73.33	12

CULTIVAR	Firmness (1)	Scale Retention (2)	Shape (3)	%Bacterial rot	% Aspergillus	% Fusarium	% Bulbs with single centers	% Sprouts
Nunhems								
Arcero	2.7	4	3.7	0	0	1.33	88	4.67
Granero	3.3	4.3	3.7	1.43	0	0	71.6	17.48
Joaquin	3	4	3	0	0	0.95	82.87	4.92
Montero	2	3	3	0.7	0	3.47	71.53	7.74
NUN9002ON (R)	2.7	2.7	2.3	1.47	0	0.81	32.33	24.20
NUN9003ON (R)	3.3	2.7	3.3	0.67	0	0	58.43	30.19
Pulsar	3.7	2.3	4.3	1.33	0	0	76.67	4
Ranchero	2.7	2.3	2.7	2.13	0	0.67	61.63	6.75
Sabroso	3.7	4	3	0.67	0	2.67	72.67	6
Salsa (R)	2	2.3	3.7	1.33	0	0	27.67	42.44
Vaquero	3	3.7	3.7	2	0	2	80	8
Sakata Seed								
Bello Blanco (W)	2.7	4	2.7	0	0	1.42	63.13	13.46
Ovation	2	1.3	2.7	0	0	2.01	38.23	25.47
Spanish Medallion	2.3	1.3	2.7	0	0	0	38.67	21.33
Seminis Seeds								
Abilene	3.7	3.3	4	0	0	0	67.33	8
Cyprus	4	4	3	0	0	0.67	56	12.67
EX 16529	3	3.7	3.7	2.67	0	2	82	12
EX 18495	4	4.7	4.3	0	0.69	0.69	55.97	5.56
Marquette	3.7	3.3	3.3	1.33	0	0	65.47	12.78
Monarchos	3	3.7	3	0	0	0	96	11.33
Rainier (W)	3	3.7	3.3	0.67	0	0	44.67	24.67
Swale	3.3	4.3	3.7	0.67	0	2	76.67	7.33
TRIAL AVERAGES	3.32	3.53	3.31	0.76	0.05	1.16	60.24	13.73

(R) – Red onion, (W) – White onion

The bulbs were evaluated for the following criteria on February 4, 2010. Values in the table are expressed as an average of the three replicates that were stored and evaluated for each cultivar.

(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

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
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 2009 WSU Onion Cultivar Trial. Some of those that helped are:

Brandon Kania – Bejo Seeds Inc.
Brenda Schroeder – WSU
Cameron Skeen - Keithly Williams Seeds
Casey Ganskie – Seminis Seed
Curtis Mokler – Keithly Williams Seeds
Darlene Maxwell - Bejo Seed
Jason Turner – Logan Zenner Seeds Inc.
Jim Christopherson – Nunhems
Josh Carter – Keithly Williams Seeds
Kevin Kudsk – L&L Ag Production
K.C.Crookham - Crookham
Larry Baumann - L&L Ag Production
Lindsey duToit – WSU
Lorin Grigg - Grigg & Son
Patrick Kawaguchi - Osborne Seed
Paul Chambers - Keithly Williams Seeds
Ron Hull – Osborne Seed Company
Steve Graton - Champion Seed
Todd Clark – Keithly Williams Seeds

Your efforts are much appreciated. Special thanks go to Grigg Farms for hosting the 2009 WSU Cultivar Trial and Storage Evaluation.

Tim Waters
Area Extension Educator Franklin & Benton Co.
Commercial Vegetables
1016 N. 4th Ave.
Pasco, WA 99301
509-545-3511 Phone
509-545-2130 Fax
twaters@wsu.edu

Carrie Wohleb
Area Extension Educator Grant Co.
Commercial Vegetables
PO Box 37
Ephrata, WA 98823-0037
509-754-2011 x413 Phone
509-754-0163 Fax
cwohleb@wsu.edu

*WSU Extension programs and employment are available to all without discrimination.
Evidence of noncompliance may be reported through your local Extension Office.*