



UNIVERSITY OF
SASKATCHEWAN

VEGETABLE CULTIVAR AND CULTURAL TRIALS 2007

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YELLOW ONION STORAGE TRIAL 2006/2007

Cultivar	Source	% Weight loss		Mold				Scale loss		% Sprouting		Overall rating	Comments
		4 mo.	8 mo.	4 month	8 month	4 mo.	8 mo.	4 mo.	8 mo.				
		%	%	Severity	%	Severity	%	%					
Early Season Cultivars													
Alpine	ST	3.5	11.9	0.0	0.0	0.0	0.0	2.0	3.5	0.0	32.0	3.0	Firm despite scale loss at 8 months
Frontier	T	3.3	9.5	0.0	0.0	0.0	0.0	4.0	3.0	0.0	0.0	4.0	Attractive, firm, intact skin at 8 months
Highlander	NOR ST,T	4.3	16.1	0.0	0.0	96.0	2.0	1.0	3.0	0.0	20.0	2.0	Slightly shrivelled at 4 months. High % mold and weight loss at 8 months
Norstar ***	T,Ve	3.4	11.8	0.0	0.0	48.0	1.0	3.5	3.0	0.0	40.0	2.5	Firm at 4 months. Soft, slight root mold at 8 months
Precedent	ST	6.5	18.5	0.0	0.0	0.0	0.0	1.0	3.0	0.0	12.0	2.0	Very firm, attractive at 4 months, soft by 8 months
Renegade	NH	4.3	12.3	0.0	0.0	0.0	0.0	1.5	1.0	0.0	4.0	2.5	Shrivelled by 4 months despite scale retention
T-803	DOM	4.4	13.1	0.0	0.0	0.0	0.0	3.0	3.0	0.0	29.0	3.0	Firm and attractive, intact outer scale at 8 months
Timberline	T	2.5	7.4	0.0	0.0	8.0	2.0	3.5	1.0	0.0	12.0	4.0	Very attractive, firm at 8 months, slight root mold
Winchester	BJ,NOR	4.3	10.5	0.0	0.0	60.0	1.0	3.0	2.5	0.0	4.0	2.5	Attractive, firm at 8 months, slight root mold
XP 5776	NOR	3.1	8.9	0.0	0.0	0.0	0.0	3.0	2.0	0.0	4.0	4.0	Firm, attractive, intact skin at 8 months
Average (Early)		4.0	12.0	0.0	0.0	21.2	0.6	2.6	2.5	0.0	15.7	3.0	
Mid Season Cultivars													
Bastille ***	ST	2.7	9.5	0.0	0.0	0.0	0.0	4.0	3.0	0.0	0.0	5.0	Excellent appearance and very firm at 8 months
Benchmark	SW	2.6	8.5	0.0	0.0	0.0	0.0	4.5	2.0	0.0	0.0	4.5	Very firm, attractive colour, good scale retention
Bighorn ***	SW	2.4	6.1	0.0	0.0	16.0	1.0	4.0	1.0	0.0	0.0	3.5	Firm at 4 months, slight root mold at 8 months
Burgos	VIL	2.7	8.5	0.0	0.0	0.0	0.0	3.0	3.0	0.0	0.0	3.5	Firm, attractive skin colour at 4 months, slightly soft by 8 months
Candy	WH	4.6	12.5	0.0	0.0	96.0	2.0	2.5	2.0	0.0	4.0	1.5	Attractive, slightly spongy at 4 months. Soft, high % mold by 8 months
Cowboy	NOR	5.3	16.5	12.0	1.0	100.0	1.0	2.5	1.0	16.0	0.0	1.0	Spongy, root sprouts at 4 months. Root mold, soft by 8 months
Fortress ***	ST	2.8	6.9	0.0	0.0	28.0	2.0	3.5	3.0	0.0	0.0	3.5	Firm, attractive at 4 months. Slight mold at 8 months
Genesis ***	CK	3.1	9.8	0.0	0.0	0.0	0.0	4.0	4.0	4.0	12.0	4.0	Attractive, firm at 8 months, some sprouting
Milestone	T	3.7	9.4	0.0	0.0	0.0	0.0	2.0	1.0	0.0	12.0	3.5	Excellent skin retention, some sprouting at 8 months
Millenium ***	NH	2.5	6.2	0.0	0.0	0.0	0.0	3.0	1.0	0.0	0.0	3.5	Uneven colour, excellent scale retention at 8 months
Rampart ****	ST	3.0	7.2	0.0	0.0	0.0	0.0	3.0	1.0	0.0	0.0	4.0	Excellent scale retention, attractive colour at 8 mos.
Sabrosa	NH	3.6	8.2	0.0	0.0	40.0	2.0	3.5	2.0	0.0	4.0	2.5	Firm at 8 months, but slight mold, skin discoloration
Safrane	BJ,NOR	2.8	6.8	0.0	0.0	0.0	0.0	3.5	2.0	0.0	0.0	3.0	Attractive, firm at 4 months. Slightly soft by 8 months
Shermane	NOR	3.6	10.5	0.0	0.0	0.0	0.0	4.0	2.0	0.0	0.0	3.0	Firm bulbs at 4 months, wrinkled by 8 months
Yellow Globe	EFG	3.4	11.0	0.0	0.0	0.0	0.0	3.0	3.5	0.0	4.0	3.0	Most bulbs are firm at 4 months. Spongy by 8 months, some sprouting
Danvers ***		3.3	9.2	0.8	0.1	18.7	0.5	3.3	2.1	1.3	2.4	3.3	
Average (Mid)													

Late Season Cultivars														
Callisto	SW	3.2	8.9	0.0	0.0	0.0	0.0	0.0	3.5	1.0	0.0	4.0	Firm, attractive, excellent scale retention at 8 mos.	
Eclipse	Os	16.1	42.9	20.0	1.5	92.0	3.5	2.0	2.0	2.0	12.0	44.0	Spongy at 4 months. Soft, unmarketable at 8 months	
Festival	BJ,SW	2.6	9.2	0.0	0.0	0.0	0.0	3.0	2.0	2.0	4.0	0.0	Very attractive, low weight loss at 8 months	
Nebula ***	NH Sie,ST	4.2	8.7	0.0	0.0	0.0	0.0	3.5	1.0	1.0	0.0	0.0	Firm, excellent scale retention at 8 months	
Nobility	CK	2.3	6.8	0.0	0.0	0.0	0.0	3.5	1.0	1.0	0.0	0.0	Very firm, excellent scale retention, below average weight loss	
Prince	SW	4.6	10.4	0.0	0.0	0.0	0.0	3.5	0.5	0.5	0.0	0.0	Attractive, firm, intact outer scale at 8 months	
Sturton Organic ***	WDM	3.0	7.4	0.0	0.0	0.0	0.0	3.0	4.0	4.0	0.0	0.0	Attractive colour, below average weight loss, very firm at 8 months	
Tahoe	BJ	2.1	6.6	0.0	0.0	0.0	0.0	3.5	3.0	3.0	0.0	0.0	Very firm, even skin colour, attractive at 8 months	
Talon	BJ,OS SW,Ve	3.2	8.2	0.0	0.0	0.0	0.0	4.0	2.0	2.0	0.0	8.0	Attractive uniform colour, very firm, some sprouting at 8 months	
Average (Late)		4.6	12.1	2.2	0.2	10.2	0.4	3.3	1.8	1.8	1.8	5.8	3.8	
Very Late Season Cultivars														
Braddock	SW	4.6	11.9	0.0	0.0	0.0	0.0	4.0	2.0	2.0	0.0	4.0	3.0	Some bulbs softening at 4 months. Discoloured skin.
Copra	BJ,Os	4.8	14.6	0.0	0.0	0.0	0.0	2.0	2.0	2.0	4.0	0.0	3.0	Very firm at 4 months. Still firm at 8 months despite higher than average weight loss
Daytona	SW	4.2	17.6	12.0	1.0	68.0	2.5	3.0	1.5	1.5	20.0	8.0	2.0	Minor root mold at 4 months. High % mold, spongy at 8 months
Infinity ***	NH	3.4	8.3	0.0	0.0	0.0	0.0	3.0	2.0	2.0	0.0	0.0	3.0	Very firm at 8 months, uneven skin colour
Montero	NH	5.4	11.3	12.0	1.0	96.0	2.0	3.5	1.0	1.0	0.0	0.0	1.5	Spongy, minor mold at 4 months. Moldy at 8 months
Nun 7200	NH	4.9	9.8	0.0	0.0	76.0	2.0	4.0	1.5	1.5	4.0	4.0	2.0	Firm, attractive at 4 months. Soft spots at 8 months
Sedona	BJ,Os SW	4.0	8.4	0.0	0.0	40.0	1.5	3.0	2.0	2.0	0.0	4.0	3.5	Excellent appearance, firm at 4 months. Slightly spongy, moderate root mold at 8 months
Tampa	Os,SW	5.2	11.6	0.0	0.0	0.0	0.0	3.5	2.5	2.5	0.0	4.0	3.5	Attractive and firm at 4 months, soft at 8 months
X-201	BUR	4.7	18.8	0.0	0.0	100.0	2.0	3.0	1.0	1.0	20.0	4.0	1.0	Firm but sprouting at 4 months. Spongy, unattractive at 8 months
Average (Very Late)		4.6	12.5	2.7	0.2	42.2	1.1	3.2	1.7	5.3	5.3	3.1	2.5	
Bold = recommended in 2007 *** Previously recommended Storage conditions: 0°C, 60 R.H. Mold severity: 1 - minimal Scale loss: 0 - none Overall rating: 1 - poor 5 - severe 5 - excessive 5 - excellent Early season cultivars harvested: Aug. 29, 2006 Late season cultivars harvested: Sep. 12, 2006 Mid season cultivars harvested: Sep. 6, 2006 Very late season cultivars harvested: Oct. 6, 2006														