



Seedless Table Grapes 2011 Update



Judith Reith-Rozelle
Assistant Superintendent
University of Wisconsin, West Madison
Agricultural Research Station
8502 Mineral Point Road
Verona, WI 53593
jreithrozell@wisc.edu

Seedless Table Grape Trials

- Five Year Trial Data:
 - Cultivar performance
 - Overall performance
 - Ripening sequence
 - Cluster weights
 - Winter hardiness
 - New selection 2011

Seedless Table Grape Varieties

Reds

- Canadice
- Einset
- Reliance
- Somerset Seedless
- Vanessa

Blues

- Mars
- Trollhaugen
- Venus



Trollhaugen

Whites

- Himrod
- Interlaken
- Lakemont
- Marquis



Canadice



Lakemont

Photos: UW – Madison, West
Madison Agricultural Research
Station Staff

Canadice

- Fruit, rose colored, red, mid-size, sweet, complex, spicy taste, 20 brix when ripe
- Good resistance to downy mildew/powdery mildew
- Mid-season harvest, held well on vine – 9/1 - 10/10, good storage potential
- Clusters 0.480 lbs. Average vine 17.87 lbs.
- Vines medium vigor
- Medium winter hardiness, good management of fruit load, increases winter hardiness



Einset

- Fruit light, rose of med-size, very spicy, fruity, clear, clean taste, 20 to 21 brix when ripe
- Good resistance to downy mildew/powdery mildew
- Early harvest, held well on vine – 8/29 - 10/1, good storage potential
- Clusters 0.338 lbs., average vine 13.12 lbs.
- Vines vigorous, slow to develop
- Excellent winter hardiness, good management of vines and fruit load



Reliance

- Fruit soft rose with blush of green, very beautiful, complex flavors, ripe at 18 to 19 brix, brix at first harvest 18.5, problem with uniform ripening
- Good resistance to downy and powdery mildew, easily controlled with sprays
- Mid/late season harvest; held well on vine – 9/14 – 10/1
- Clusters 0.588 lbs., average vine 25.32 lbs.
- Vines very vigorous
- Excellent winter hardiness



Somerset Seedless

- Fruit rose colored, very complex flavor and quite sweet, ripe at 19.5 to 20.0 brix
- Good resistance to downy and powdery mildew, any outbreaks controlled by sprays
- Early season harvest, first to ripen, eight weeks of harvest – 8/25 – 9/16
- Clusters 0.262 lbs., average 27.91 lbs.
- Vines very vigorous – needs to be on high cordon
- Excellent winter hardiness



Vanessa

- Fruit deep rose, red, with very spicy, complex, sweet taste, 20 brix
- Susceptibility to downy mildew low, powdery mildew medium, sprays control outbreaks
- Early season harvest, right after Somerset, eight weeks of harvest 8/25 - 9/19, good storage
- Clusters 0.342 lbs., average 16.77 lbs.
- Vines medium vigor
- Medium winter hardiness – Excellent with good vine management



Himrod

- Fruit clear green/white, without blush, sweet, clear taste of “green grape”, 21 to 22 brix when ripe
- Good resistance to downy mildew, susceptible to powdery mildew, sprays control outbreaks easily
- Early harvest, 4 week harvest, excellent storage
- Clusters 0.285 lbs. , average 14.00 lbs.
- Vines vigorous
- Excellent winter hardiness



Interlaken

- Fruit deep green, very sweet with undertones of spices and a little ginger, ripe at 20 to 21 brix
- Good downy mildew resistance, very low susceptibility to powdery mildew, sprays control outbreaks easily
- Mid-season harvest, held well on vine 9/1 -10/10, good storage potential
- Clusters 0.325 lbs., average 13.03 lbs.
- Vines medium vigor
- Medium winter hardiness



Lakemont

- Fruit green with no blush, very sweet when fully ripe at 21 brix
- Good downy mildew resistance, very low susceptibility to powdery mildew, sprays control any outbreaks;
- Mid-season harvest, held well on vine 9/8 – 10/10, good storage potential
- Clusters 0.359 lbs., average 14.12 lbs.
- Vines medium vigor
- Medium winter hardiness



Marquis

- Fruit deep green, with light, sweet taste, and spicy undertones, fully ripe at 16 to 17 brix
- Medium susceptibility to downy and powdery mildew, controlled with sprays
- Late season harvest, short season harvest 9/14 - 9/16
- Clusters 0.340 lbs., average 19.03 lbs.
- Vines Medium vigor
- Excellent winter hardiness



Mars

- Fruit deep purple, a bit astringent, clear fruity taste; ripe at 15 to 17 brix
- Susceptible to downy mildew and powdery mildew, sprays control outbreaks
- Mid/late season harvest
- Cluster 0.475 lbs., trouble with ripening, manage fruit load, average 38.13 lbs.
- Vines very vigorous, high cordon
- Excellent wintery hardiness



Trollhaugen

- Deep purple, spicy, complex taste and very crisp, ripe at 19 to 21 brix
- Susceptible to downy and powdery mildew, controlled with sprays
- Early season harvest, right after Somerset, good storage potential
- Clusters .229 lb., held well on vine 8/29 – 9/19, average 23.62 lbs., good storage potential
- Vines medium vigor
- Excellent winter hardiness



Venus

- Deep purple, spicy, complex taste and very crisp, ripe at 19 to 21 brix, seed remnant
- Susceptible to downy and powdery mildew, controlled with sprays
- Early season harvest, right after Somerset, good storage potential
- Clusters .229 lb., harvest period 9/9 – 10/1, average 1.85 lbs. good storage potential
- Vines medium vigor
- Medium/Excellent winter hardiness



Ripening Sequence - Brix

Table # 5	8/25	8/29	9/1	9/8	9/9	9/12	9/14	9/16	9/19
Canadice	17	18	18.75	19.8	20.4	20	20.1	20.4	20.3
Einset	18	20	20.4	19.1	19.6	20	20	20.1	20.0
Himrod	18.35	18	22	21	21	21.2			
Interlaken	16.5	17	17.3	17.6	20.1	19.3	19.9	20.5	21.5
Lakemont	17	18.5	19	20.3	20	19.6	21.1	21.7	22.1
Marquis	13	13.2	12.8	14.9	14.2	16	15.1	17.2	
Mars	12	12.5	13.2	14	14.3	15.1	14.8	15.4	16.4
Reliance	16.1	16	16.5	16.6	18.2	18	18.5	18.0	19.0
Somerset	17.1	17.5	17.5	19	19.5	18.9	19.8	19.9	18.0
Trollhaugen	16.7	17.5	18.1	18.3	18.6	18.9	19.5	20.4	20.8
Vanessa	18.5	18.8	19.1	20.2	19.6	20.1	20.9	20.1	20.8
Venus	15.5	16.3	17.1	17.6	18.9	19.1	18.5	19.9	19.1

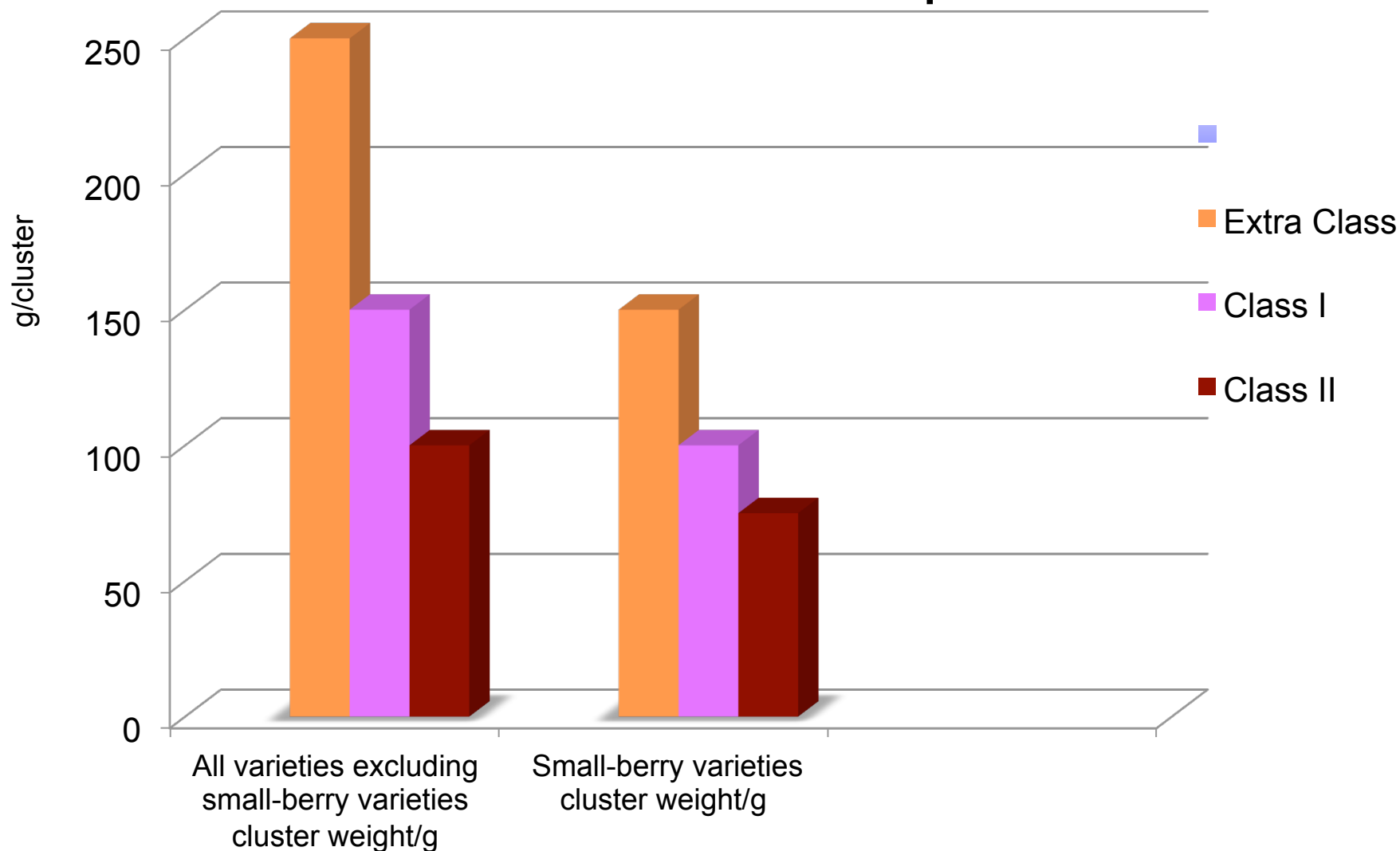


Taste test - ripe

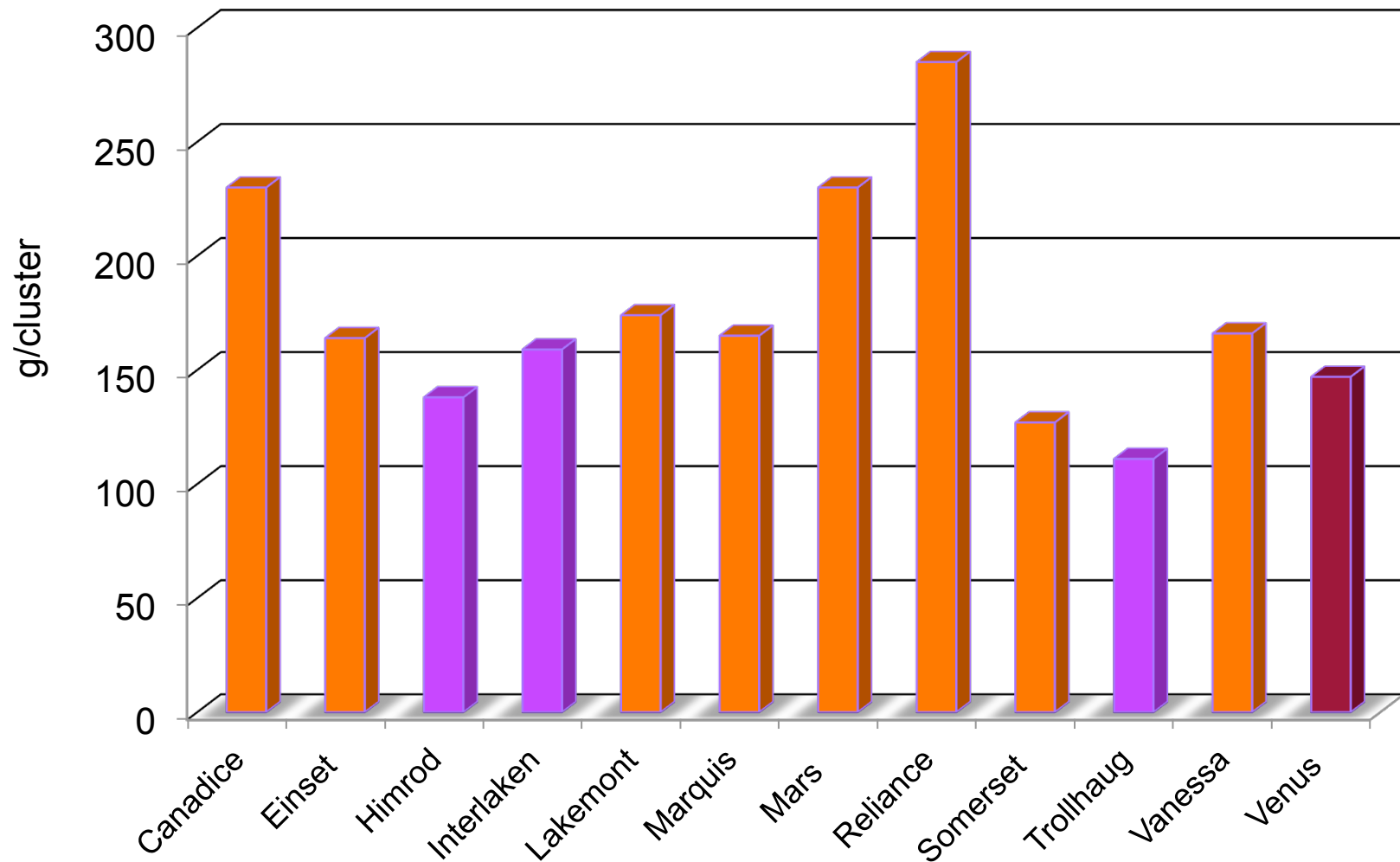


Extended Harvest

Standard Sizing for Fresh Market – Seedless Table Grapes



2011 Harvest Fruit Weight g/Cluster



Extra Class – Large and Small Berries

Class II – Large Berries

Class I – Large and Small Berries

Seedless Table Grape Trials

2011 New Cultivars:

- ES6-4-47 (Montreal Blue) - Swenson
- Suffolk Red – Red - New York
- Jupiter – Blue - Arkansas
- Thomcord – Blue



Ratings for Seedless Table Grape Cultivars for Wisconsin

Excellent Winter Hardiness

Red

- Einset
- Somerset Seedless
- Reliance

Blue

- Mars
- Trollhaugen

White

- Himrod
- Marquis

Medium Winter Hardiness *

Red

- Canadice
- Vanessa

Blue

- Venus

White

- Interlaken
- Lakemont

*Have over-wintered four seasons
and produce marketable fruit the
last two summers, with careful vine
and fruit load management.

Seedless Table Grape Trials Support 2007 - 2011



- **Wisconsin Department of Agriculture, Agricultural Development & Diversification Program (ADD) – 2007 - 2009**
- **Wisconsin Grape Growers Association - New Grant for – 2010 -2011**
- **Wollersheim Winery – staff training/financial**
- **University of Wisconsin – Madison, College of Agricultural and Life Sciences**
- **University of Wisconsin – Madison, Cooperative Extension**

Seedless Table Grape Trials Report 2007 - 2011

Wisconsin Grape Growers Association web site:
<http://wigrapes.org>

University of Wisconsin – Madison
<http://universitydisplaygardens.com>

Judith Reith-Rozelle
jreithrozell@wisc.edu