

Wine and Table Grape Varieties for New England

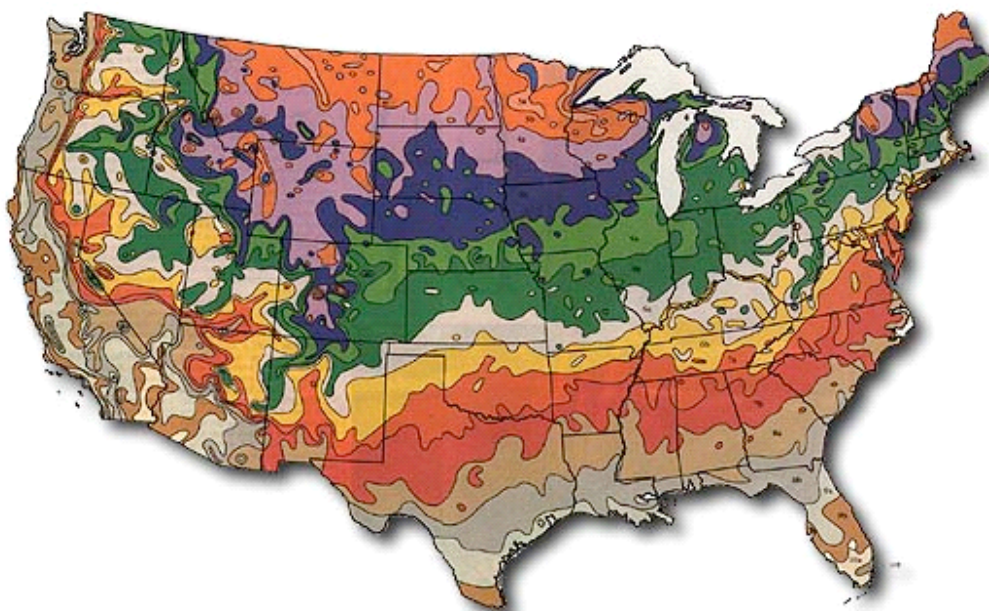
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Jewell Towne Vineyards

South Hampton, New Hampshire
NE Vegetable & Berry Conference

December 13, 2007

USDA Temperature Zones



USDA Minimum Temp

AVERAGE ANNUAL MINIMUM TEMPERATURE								
Temperature°C	Zone	Temperature°F	Temperature°C	Zone	Temperature°F	Temperature°C	Zone	Temperature°F
-45.6 and below	1	below -50	-26.2 to -28.8	5a	-15 to -20	-9.5 to -12.2	8a	15 to 10
-42.8 to -45.5	2a	-45 to -50	-23.4 to -26.1	5b	-10 to -15	-6.7 to -9.4	8b	20 to 15
-40 to -42.7	2b	-40 to -45	-20.6 to -23.3	6a	-5 to -10	-3.9 to -6.6	9a	25 to 20
-37.3 to -40	3a	-35 to -40	-17.8 to -20.5	6b	0 to -5	-1.2 to -3.8	9b	30 to 25
-34.5 to -37.2	3b	-30 to -35	-15 to -17.7	7a	5 to 0	1.6 to -1.1	10a	35 to 30
-31.7 to -34.4	4a	-25 to -30	-12.3 to -15	7b	10 to 5	4.4 to 1.7	10b	40 to 35
-28.9 to -31.6	4b	-20 to -25				4.5 and above	11	40 and above

USDA Temperature Zones

Vinifera

- High quality juice, Premium varieties
- Cold Tender
- Disease Sensitive, must be grafted
- Recommended only in areas which do not usually go below minus 5 degrees.
- Chardonnay, Riesling, Pinot noir, Gewurztraminer possible in Zone 6
- Trials of Pinot noir, Riesling, and Gewurztraminer have not done well in New Hampshire
- Cabernet Sauvignon, Merlot, Syrah, Pinot Gris need a very favorable site

American Varieties- Labrusca

- Cold Hardy to zones 5 and some to zone 4
- Disease resistant on own roots
- Mediocre to fair juice for commercial wine making
- Concord, Niagara, Delaware, Catawba
- Diamond
- Ives, Elvira, Steuben, Alden
- Portland, Caco, Golden Muscat
- Norton

Zone 4- Minnesota Hybrids

- Red Grapes
 - ◆ Frontenac- (-35F) high acid, high sugar
 - ◆ Marquette (-30)
 - ◆ Sabrevois (-35F)
 - ◆ St. Croix (-27F)
 - ◆ Swenson Red (-35F)

Zone 4- Minnesota Hybrids

- White Grapes
 - Bianca- (-35F)
 - Frontenac Gris (-35)
 - La Crescent (-35F)
 - Prairie Star (-32F)
 - LaCrosse (-35F)
 - St. Pipin
- White Grapes
 - Swenson White
 - Louise
 - Kay Gray
 - Edelweiss

Zone 5 – Red Hybrid Grapes

- Maréchal Foch
- Leon Millot
- Baco noir
- Rougeon
- Chancellor
- DeChaunac
- Landot noir
- Chelois
- Villard noir
- NY Muscat
- Rosette
- Chambourcin

Zone 5 – White Hybrid Grapes

- Aurore
- Seyval Blanc
- Vignoles
- Vidal Blanc
- Cayuga White
- Chardonel
- Melody
- Traminette
- Ravat 34

Cornell Introductions

White Varieties

- Cayuga White
- Horizon
- Traminette
- Chardonel
- Melody
- NY 62.0122.01(Valvin muscat)
- NY 76.0844.24 (Muscat)
- NY 84.0101.04
- NY 81.0315.17

Red Varieties

- GR7 Rubiana
- NY Muscat
- NY 70.0809.10(Corot noir)
- NY 73.0136.17(Noiret)

Table Grapes

- Canadice
- Himrod
- Lakemont
- Suffolk Red
- Alden
- Steuben
- Marquis
- Remailly
- Buffalo
- Vanessa
- Einset

Sources

- Double A Vineyards, Fredonia, NY
www.doubleavineyards.com
 - Winterhaven Vineyard and Nursery
Janesville, MN
www.winterhavengrapevines.com
 - Lincoln Peak Vineyard and Nursery
New Haven, VT www.lincolnpeakvineyard.com
 - Northeastern Vine Supply
Poultney, VT www.nesupply.com
- Minnesota Grape Growers Association
Conference Feb 16-17, 2007 lisa.smiley@mngrapes.org