

Frost tolerances - Fall 2017 #5
October 3, 2017

On October 3, photos of eight varieties were taken at State Bog. In addition, photos of Stevens, Howes, and Early Black were taken at Rosebrook Bog. All Ben Lear at Rosebrook had been harvested. Fall frost tolerance is estimated based on the color of the fruit. That color development is a reflection of the internal biochemical changes in the fruit that lead to a tolerance of increasingly lower temperatures during the fall. Tolerance should be estimated by looking down into the canopy - do not remove fruit for examination. The photos below represent what you would see looking down at the fruit. Photos were taken using the camera on an iPhone.

The only change in tolerance from the previous week is for Howes. Howes tolerance is now 23°F.

Note that Ben Lear and the Rutgers Cultivars shown here do not develop tolerance below 24°F.

ALWAYS CHECK THE TOLERANCE ON YOUR BOGS.



Early Black, 23°F, Rosebrook Bog, 10/3. Deep red stage.



Early Black, 23°F, State Bog, 10/3. Deep red stage.



Howes, 23°F, Rosebrook Bog 10/3. Deep red stage.



Howes, 23°F, State Bog 10/3. Deep red stage.

NO PHOTO AT ROSEBROOK
FOR BEN LEAR



Ben Lear, 24°F, State Bog, 10/3. Deep red stage.



Stevens, 23°F, Rosebrook Bog, 10/3. Deep red stage.



Stevens, 23°F, State Bog, 10/3. Deep red stage.



Crimson Queen, 24°F, State Bog, 10/3.
Deep red stage.



Demoranville, 24°F, State Bog, 10/3.
Deep red stage.



Mullica Queen, 24°F, State Bog, 10/3.
Deep red stage.



Grygleski #1 (GH), 24°F, State Bog 10/3.
Deep red stage.