Frost tolerances - Fall 2017 #2
September 12, 2017

On September 12, photos of eight varieties were taken at State Bog. In addition, photos of Ben Lear, Stevens, Howes, and Early Black were taken at Rosebrook Bog. 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.

All cultivars had developed substantial red color, with the least color on Howes. The Howes tolerance was estimated to be 26°F.

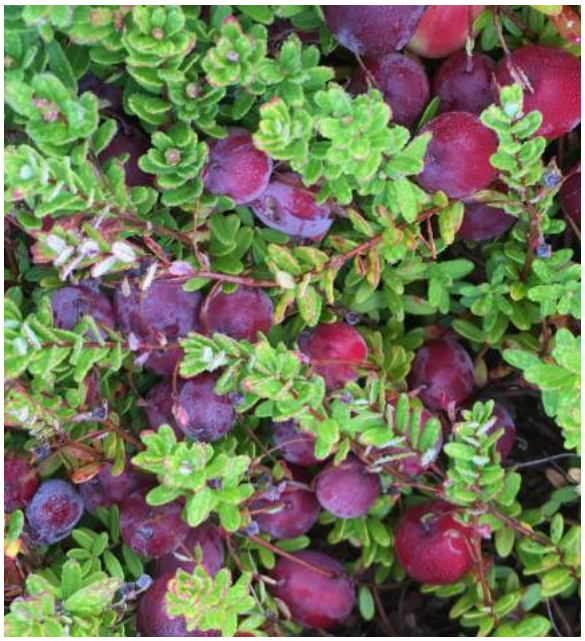
ALWAYS CHECK THE TOLERANCE ON YOUR BOGS.

Early Black, 25°F, Rosebrook Bog, 9/12. Red stage.

Early Black, 24°F, State Bog, 9/12. Dark red stage.

Howes, 26°F, Rosebrook Bog 9/12. Deep blush stage.

Howes, 26°F, State Bog 9/12. Deep blush stage.



Ben Lear, 25°F, Rosebrook Bog, 9/12. Red stage.

Ben Lear, 25°F, State Bog, 9/12. Red stage.

Stevens, 25°F, Rosebrook Bog, 9/12. Red stage.

Stevens, 25°F, State Bog, 9/12. Red stage.

Crimson Queen, 24°F, State Bog, 9/12.
Deep red stage.

Demoranville, 24°F, State Bog, 9/12.
Deep red stage.

Mullica Queen, 25°F, State Bog, 9/12. Red stage.

Grygleski #1 (GH), 26°F, State Bog 9/12.
Deep blush stage.