

Fall Frost Tolerances Fall 2022 #3  
September 28, 2022

On September 28, photos of Ben Lear, Stevens, Howes, and Early Black were taken at Rosebrook Bog and at State Bog. Photos of Demoranville, Crimson Queen and Mullica Queen were also taken at State 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.

Color had advanced at State Bog, so that tolerances for common varieties are now the same at both locations. Howes, Stevens, and Mullica Queen showed less color development than the other varieties.

Next check scheduled for October 4.

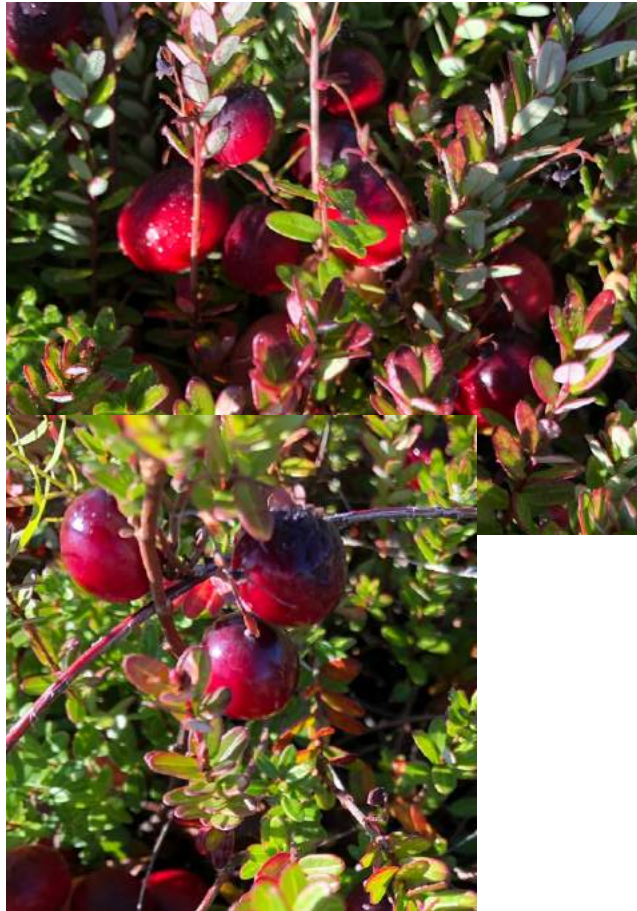
ALWAYS CHECK THE TOLERANCE ON YOUR BOGS.

Photos: Rosebrook, C. DeMoranville; State Bog, K. DeMoranville

Early Black Rosebrook  
Dark Red Stage 24°F  
Note: no change from last week



Howes Rosebrook 25°F  
Red Fruit Stage



Rosebrook Ben Lear 24°F  
Deep Red Fruit Stage  
Note: Ben Lear never tolerate  
temperatures lower than 24°F



Rosebrook Stevens 25°F

Red Fruit Stage

Note: no change from last week



## State Bog



Early Black 24°F  
Dark Red Fruit Stage



Howes 25°F  
Red Fruit Stage

## State Bog



Ben Lear 24°F  
Deep Red Fruit Stage



Stevens 25°F  
Red Fruit Stage

## State Bog



Crimson Queen 24°F  
Deep Red Fruit Stage



Mullica Queen 25°F  
Red Fruit Stage



Demoranville 24°F  
Deep Red Stage