

Fall Frost Tolerances Fall 2022 #4  
October 4, 2022

On October 4, photos of Stevens, Howes, and Early Black were taken at Rosebrook Bog and at State Bog. Photos of Ben Lear, 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 Rosebrook, so that tolerances for some of the common varieties were now the lower there than at State Bog. Howes and Stevens had not advanced at State Bog compared to last week.

Next check scheduled for October 11.

ALWAYS CHECK THE TOLERANCE ON YOUR BOGS.

Photos: Rosebrook, C. DeMoranville; State Bog, P. Jeranyama

Early Black Rosebrook  
Deep Red Stage 23°F





Howes Rosebrook 24°F  
Dark Red Fruit Stage





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

Photos from 9/28





Rosebrook Stevens 23°F  
Deep Red Fruit Stage





## State Bog



Early Black 23°F  
Deep Red Fruit Stage



Howes 25°F  
Red Fruit Stage

Note: no change  
from last week



## State Bog



Ben Lear 24°F  
Maroon Fruit Stage



Stevens 25°F  
Red Fruit Stage

Note: no change  
from last week

## State Bog



Crimson Queen 24°F  
Maroon Fruit Stage



Mullica Queen 24°F  
Maroon Fruit Stage



Demoranville 24°F  
Maroon Fruit Stage