

April 13, 2022

Degree days through 4/12: Dee model 119; WI simple model 56; WI complex model 60

ALWAYS check the tolerance at your bog. A fact sheet showing all spring tolerances is available in the Frost Tolerance Reports section of the Cranberry Station website (under 2020). Access via the Frost Tolerance Report in Quick Links on the Home Page. Hard copies are available at CCCGA and at the Station.

Tolerances provided here are determined at Rosebrook bog in Wareham and confirmed at State Bog in East Wareham.

For comparison purposes, this year we are including photos from additional locations.

- On April 13, **at Rosebrook**, white bud stage was seen on all varieties, except Stevens (Stevens were approaching that stage but were still determined to be 'spring dormant'). At **other** locations (see below), Stevens were at white bud stage. Note that Ben Lear buds retain a reddish coloration well into the spring but lighten in the transition from dormant to 'white bud' stage.
- White bud tolerance for Early Black and Howes is 20°F.
White bud tolerance is 22°F for Ben Lear, Stevens, and newer hybrids.
Spring dormant tolerance for Stevens is 20°F (seen at Rosebrook).
- Currently, WI degree day (base 41) models indicate remaining at spring dormant stage. The Dee model (base 44) reached 100 (white bud stage) on 4/10. **Observations in the field showed significant white bud and tolerance was assigned accordingly.**
- Bud closeups by Peter Jeranyama, UMass Cranberry Station; photos from the field by Erika Saalau Rojas, Ocean Spray.
- Next check is scheduled for April 19th.



Stevens, Rosebrook 4.13.22
Spring dormant stage, tolerance 20°F





Ben Lear, Rosebrook 4.13.22
White bud stage, tolerance 22°F





Early Black, Rosebrook 4.13.22
White bud stage, tolerance 20°F



Howes, Rosebrook 4.13.22
White bud stage, tolerance 20°F



Bud photos, State Bog April 13, 2022



Early Black
20° F

Stevens
22° F



Bud photos, State Bog April 13, 2022

Crimson Queen
22°F



Mullica Queen
22°F



Demoranville
22°F



'Stevens' White Bud (22°F)
Rochester, MA
4.12.2022



'Demoranville' White Bud (22°F)
Rochester, MA
4.12.2021

