

April 26, 2022 Degree days through 4/25: Dee model 190; WI simple model 165; WI complex model 188

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 26, at **Rosebrook**, we now see **cabbage head stage** on all varieties.

Note that Ben Lear buds retain a reddish coloration well into the spring but lighten in the transition from dormant to 'white bud' stage.

- Cabbage head tolerance for Early Black and Howes is 25°F.

Cabbage head tolerance is 27°F for Ben Lear, Stevens, and newer hybrids.

- All degree day models indicate that spring dormancy has ended. The Dee model (base 44) reached 100 (white bud stage) on 4/10 and 150 (bud swell stage) on 4/15 and is approaching cabbage head stage (200 GDD) on 4/46. The Wisconsin models (base 41) both passed 90 degree days (protect for 23°F) on 4/15. Field observations on 4/26 confirmed that cabbage head stage was present.
- Bud closeups by Peter Jeranyama, UMass Cranberry Station; photos from the field by Erika Saalau Rojas, Ocean Spray Cranberries.
- Next check is scheduled for April 29<sup>th</sup>.



Stevens, Rosebrook 4.26.22  
Cabbage Head stage, tolerance 27°F



Ben Lear, Rosebrook 4.26.22  
Cabbage Head stage, tolerance 27°F



Early Black, Rosebrook 4.26.22  
Cabbage Head stage, tolerance 25°F



Howes, Rosebrook 4.26.22  
Cabbage Head stage, tolerance 25°F

Bud photos, State Bog April 26, 2022



Early Black  
25° F



Howes  
25° F

Bud photos, State Bog April 26, 2022



Ben Lear  
27° F



Stevens  
27° F

Bud photos, State Bog April 26, 2022

Crimson Queen  
27°F



Mullica Queen  
27°F



Demoranville  
27°F





'Stevens' Site #1  
Early cabbage head (27°F)  
Rochester, MA  
4.26.2022



'Stevens' Site #2  
Early cabbage head (27°F)  
Rochester, MA  
4.26.2022



'Demoranville'  
Cabbage head (27°F)  
Rochester, MA  
4.26.2021

