

May 17, 2019

- ALWAYS check the tolerance at your bog. A fact sheet showing all spring tolerances is available in the fact sheet section of the Cranberry Station website. Hard copies are available at CCCGA and at the Station.
- At Rosebrook Bog and at State Bog, all varieties had many buds at Bud Elongation stage. Based on research in Wisconsin, by May, one can expect **all buds to have similar tolerance to those with the most advanced appearance**. In other words, even buds that have not begun to elongate will exhibit the same tolerance as the elongated ones.
- Once buds have reached the Cabbage Head Stage and associated tolerance (we saw this on May 6<sup>th</sup> this year), the tolerance advances a stage every 5-7 days even if there is no visible change in appearance. This information comes from research in Massachusetts.
- At Elongation Stage, the bud begins to grow upward. Early in this stage, when the bud is observed from above, the cabbage-like appearance remains. However, a side view shows the outward/upward expansion.
- Bud Elongation tolerance for Stevens, Ben Lear and new hybrids is 29.5°F. Bud Elongation tolerance for Early Black and Howes is 27°F. Remember: once Cabbage Head Stage is reached, bud tolerance advances every 5-7 days even if appearance does not change.
- On-bog photos by Giverson Mupambi; close-ups by Peter Jeranyama.
- Next check is scheduled for May 23<sup>rd</sup>.

Ben Lear  
Rosebrook  
29.5°F



Early Black  
Rosebrook  
27°F



Stevens  
Rosebrook  
29.5°F



Howes  
Rosebrook  
27°F



Additional bud photos from State Bog May 17, 2019

All are at Elongation Head Stage

Early Black 27°F



Howes 27°F



Stevens 29.5°F



Buds have begun to grow upwards/outwards. The bud may still resemble a cabbage from above, but a side view shows the outward growth.

Additional bud photos from State Bog May 15-17, 2019 All are at Elongation Stage

Ben Lear 29.5°F



Demoranville 29.5°F



Crimson Queen 29.5°F



Mullica Queen 29.5°F

