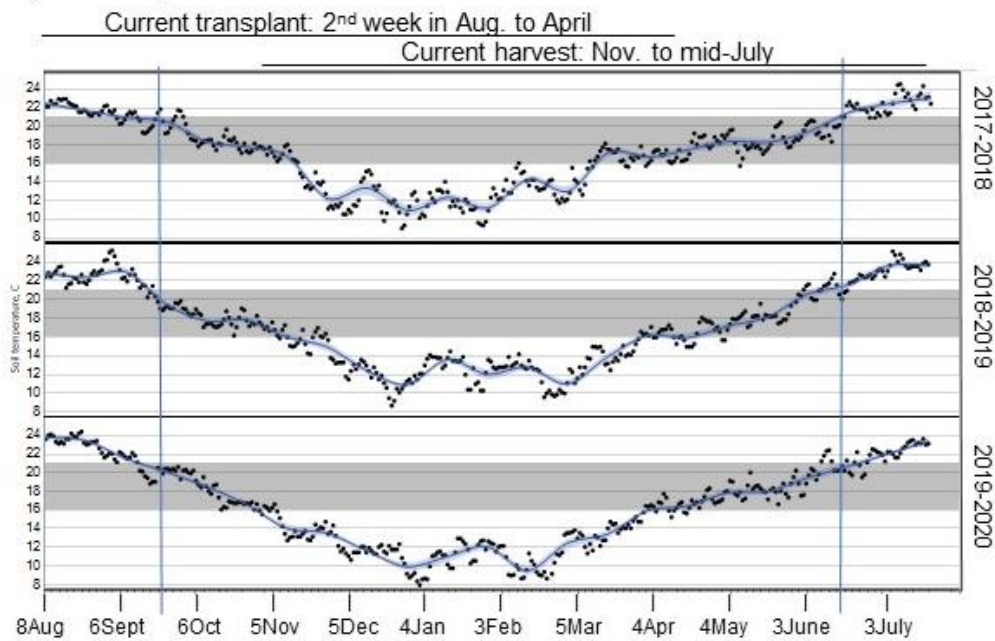
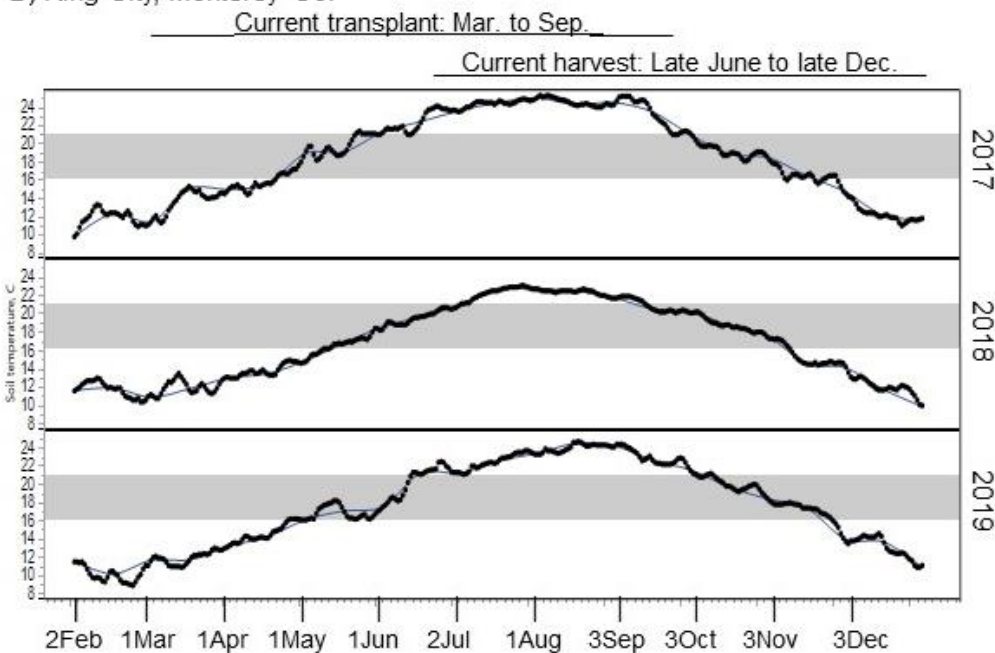


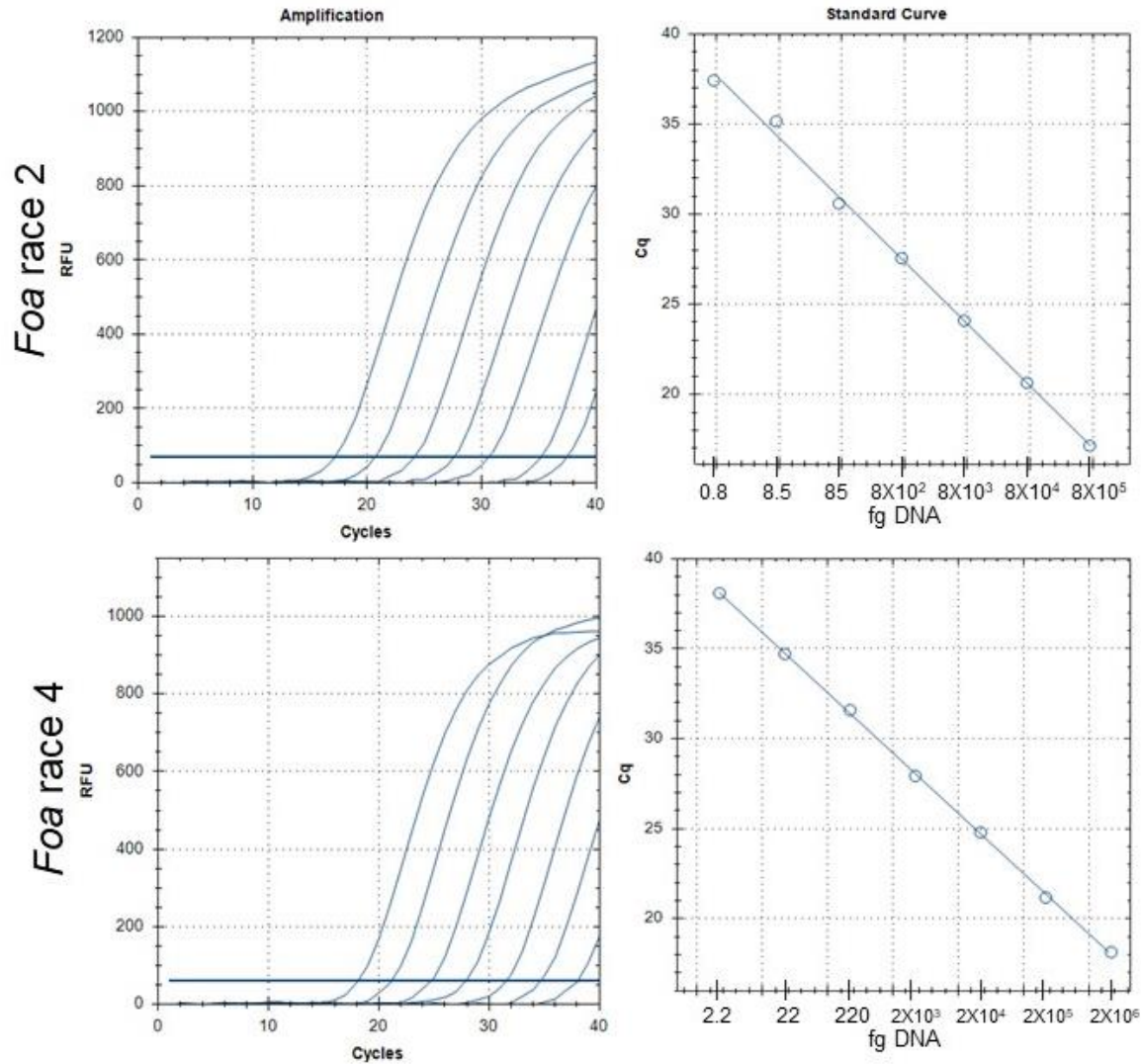
A) Camarillo, Ventura Co.



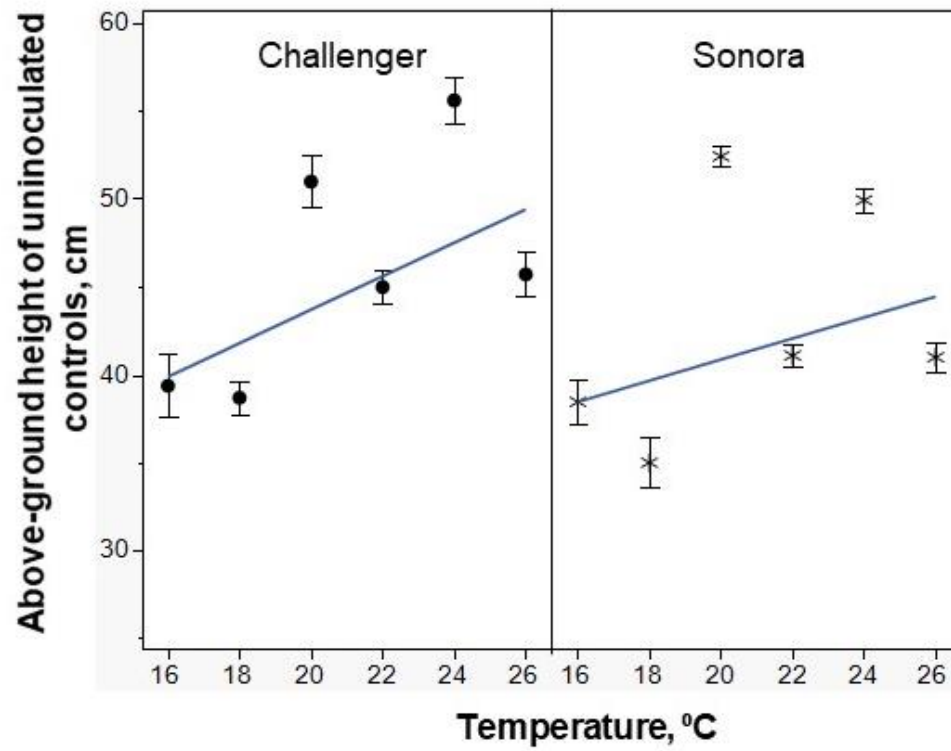
B) King City, Monterey Co.



Supplemental Fig. 1. Average daily soil temperature for three years in two celery production areas in California. A) Camarillo in Ventura County on the south coast, where *Foa* race 4 was first diagnosed in 2013 and B) King City in Monterey County on the central coast where *Foa* race 4 was first observed outside of Ventura County in 2019. Optimal temperatures for celery are 16 to 18 or perhaps to 21°C. The gray zones show temperatures from 16 to 21°C.



Supplemental Fig. 2. Examples of quantitative PCR amplification of (upper) *Foa* race 2 and (lower) *Foa* race 4 standard DNA using a FAM fluorescently-labeled DNA probe with two internal quenchers. The primers and probe are for multi-copy template DNA. The R^2 of these standard curves are 0.997 and 1.00 and the efficiency of these reactions was 95 and 99% for the *Foa* race 2 and race 4 standards, respectively. The most dilute standards for *Foa* race 2 and race 4 have only 0.9 fg and 2.2 fg total DNA, respectively.



Supplemental Fig. 3. The effect of temperature on the height of cvs. Challenger and Sonora controls in uninfested soil.