Subject: RE: Heat tolerance design
From: "Parker, Amber" <Amber.Parker@lincoln.ac.nz>
Date: 9/6/16, 5:40 PM
To: Elizabeth Wolkovich <lizzie@oeb.harvard.edu>

Hi Lizzie,

3 x a week will be perfect. I think that at the higher (but not extreme heat temperatures) some varieties may take 10-14 days so with this level of sampling we will get the necessary 5 -6 points to fit the gompertz function.

Amber

-----Original Message-----
From: Elizabeth Wolkovich [mailto:lizzie@oeb.harvard.edu]
Sent: Tuesday, 6 September 2016 10:58 a.m.
To: Parker, Amber <Amber.Parker@lincoln.ac.nz>
Subject: Re: Heat tolerance design

On 9/5/16 5:12 PM, Parker, Amber wrote:

> AP: The only point is to monitor sufficiently to ensure you get enough points for a reasonable curve fit. You suggested 2-3 days, I would aim for every second day. An alternate function to consider is the Richardson's general logistic which include the logistic and gompertz function. However, given that we know there is a lag after 50% for most phenological observations it can be easily captured by the gompertz.

Hi Amber,

Thanks for the quick feedback! Okay on the data collection. We're aiming for 3 X week if we can manage -- as I just have an intern on the project we won't measure over weekends but my hope is that we'll be able to measure Monday/Wed/Friday ... depending on how long it takes and how much good help we get to help the intern.

All the best,

Lizzie

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