

Subject: RE: Temps
From: "Woodruff, Kea J" <kwoodruff@fas.harvard.edu>
Date: 8/29/16, 11:41 AM
To: "Wolkovich, Elizabeth M" <wolkovich@fas.harvard.edu>

Hi Lizzie,

Yes, those were the Biochambers settings. I can also download the data from the chamber data logs if you want to see how closely the conditions were actually held.

The conditions in GH 10 were as follows:

Starting in Feb 2016, settings included a daytime temperature range of 75 to 83 F and a nighttime temperature range of 70 to 80 F, with a 14 hr photoperiod (6 am to 8 pm). The relative humidity was SET at only 40%, primarily in an effort to prevent powdery mildew problems. However, the ACTUAL relative humidity fluctuated between about 50 and 80%. On May 13 and again on May 20, photoperiod and temperatures were reduced to simulate fall before the grapes went into the Biochambers.

On August 15, when the grapes went back into the greenhouse, the temperature settings were for a daytime range of 55 to 65 F and a nighttime range of 50 to 60 F. On August 22, I increased the maximum temperature settings (daytime range of 55–75 F and nighttime range of 50–70 F). The actual temperature in the greenhouse has stayed around 70 F for the last week. The maximum can be increased again, but I am thinking we might want to wait another week, to make sure every cutting is breaking bud and the mold problem is under control. Let me know if you prefer I go ahead and increase the temperature in there today.

I am working on exporting the data for the greenhouses so you can have that info as well.
Kea

-----Original Message-----

From: Wolkovich, Elizabeth M
Sent: Monday, August 22, 2016 12:24 PM
To: Woodruff, Kea J <kwoodruff@fas.harvard.edu>
Subject: Temps

Hi Kea,

I was hoping you could confirm the chamber settings for the dormancy period:

6°C and 400 ppm light for 8 hours (day) then 4°C and no light for the other 16 hours. Humidity is set at 80%.

Could you send me the info on what temperature and daylength the greenhouses were Jan–May while we had the Vitis cuttings in there and the current temperature info for this week and last (again, no rush!).

Thanks!
Lizzie

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