These figures were created in response to Kirti’s email on May 14th. The email and description of each plot is below:

(1) In the line plots, can you remove the temp and have just cold hardiness for historical (multiple historical year in one range) and one for future (multiple years in another color range).

I am not sure this is doable. The color range/group has to come from one variable; either time\_period (historical vs. future) or different years (1979, 1980, …). In the former case we can have historical in one color (e.g. black) and the future in another color (e.g. red). In the latter case, there will be 50 colors (25 color for each time period).

e.g. geom\_line(aes(x=CH\_DoY, y=t\_min, ***color***=factor(hardiness\_year)), size=line\_size)

I tried to do the color range based on two variables earlier for the current (3rd\_try) plots. I failed.

This time I combined line style and color, hopefully it is clear.

(2) Similar plots to above, but just lines of minimum temperatures (not maximum)

There is no maximum in these (3rd\_try) plots. It is just hardiness and minimums. By "above" you mean “(1)”?

(3) In the heat maps

Can you restrict to just historical and near-future years (I am guessing the change is CDI number you have is for the near future??). Also the change in CDI you have noted for each location would be either for RCP 4.5 or 8.5 right ? Can you let me know which one.

The change in CDI mentioned in the plots are for F1 (2025-2049), RCP 8.5, and Chardonnay.