Top Hat:Users:tonsor:Downloads:Bolting Protocol copy

Bolting Date Protocol

1.Bolting should be checked from very early in growth. Some genotypes will bloom only a week or so after germination.
3. An excel spreadsheet should have been set up already that contains the early census data including bolting date. For this experiment the file is named:
PUT FILE NAME HERE
and can be found PUT FILE LOCATION HERE
4. TWO traits are recorded at the time of bolting:

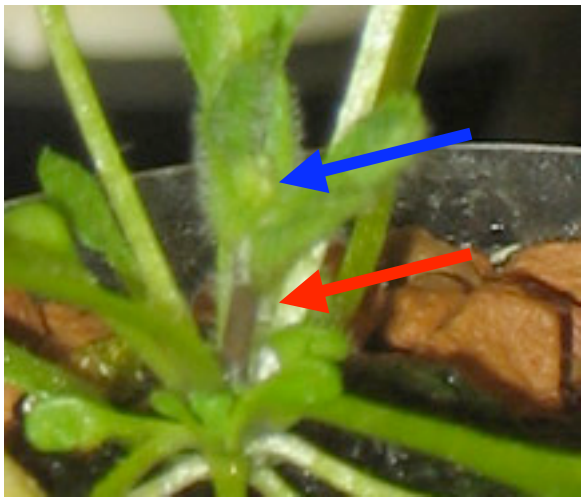
a. BOLTDAT

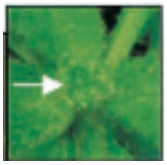
THIS MUST BE ENTERED AS mm/dd/yyyy.

b. NLVSBOLT

THIS MUST BE ENTERED AS AN INTEGER.

4. NLVSBOLT = number of leaves present when the plant is first noticed as bolting.
5. The plant will be considered as bolting when the stalk in which the buds are located has begun to elongate from the rosette. If any of that stalk is visible, the plant has begun flowering. An additional sign that the plant is bolting is the presence of multiple buds at the apical meristem. See illustrations below.





The large photo to the left shows the beginning of the stalk (red arrow) and the multiple buds (blue arrow). The smaller photo shows multiple buds at the apex as seen from above.

6. Count the number of rosette leaves present. Do not include the leaves on the stalk. Enter the number of leaves in the NLSVSBOLT the plant.
7. If it has not already been done, plants should be thinned to a single plant per pot.
8. After every rack save changes to the file on the laptop.
9. Once you are done with the entire chamber, back up the file on the USB drive as well as saving it on the hard drive of the laptop.