

Recording and Submitting Your Results

The primary objective of the Tomatosphere™ experiment is to determine the number of seeds that germinate compared to the number planted for each of the two groups - the control group and those that have been to the International Space Station

	Seeds Labeled " ____ "	Seeds Labeled " ____ "
Number of seeds planted		
Number of seeds that germinated		
*Teacher: insert the letters from the two seed packages		

If your students are having difficulty in determining whether or not a seed has germinated according to the definition of "[germination](#)", use the appropriate section in the resources; a definition and photos are included.

Keeping a class record is important for your classroom's Tomatosphere™ project. One suggestion is to have two large charts, one for each of the seed package labels. A sample [Data Collection Sheet](#) is available, or you can design your own.

Use this information to complete the "Submit Results" section. We cannot over-emphasize the need for the TEACHER to complete this section of the Tomatosphere™ Program. There is an evaluative component to the project that is only suitable for educators, and in the past, when students have entered the data, errors occurred frequently. For data accuracy, therefore, it is important that only the educator enters the data at this stage of the project.

Additional suggestions for recording – but NOT for submission

Some ADDITIONAL suggested variables which may be observed, measured, and recorded are:

- Growing conditions under which the experiment is conducted (e.g. temperature, hours of light, amount of applied fertilizer, watering conditions, type of soil etc.).
- Plant height (rate of growth).
- Number of flowers per plant.
- Number of mature fruit per plant.
- Total mass of the fruit from each plant.
- Average mass of each fruit per plant.

However, it is not necessary to report on these variables.