

Activity 2 – Look at the Buds

1) On a branch of your tree mark 4 buds:

- always start from the end of the branch
- use permanent marker or tape
- take a picture of all 4 buds



2) Observe the buds twice a week:

- For each bud, record at what stage it is:
 - “dormant” if the bud is unchanged.
 - “swelling” if the bud is getting bigger.
 - “budburst” the first day you see the green tips of leaves.
 - “lost” if the bud or leaf gets lost or damaged.

Tree and Shrub Green-Up					
Date (day & month)	Leaf 1 (dormant, swelling, budburst, leaf length (mm))	Leaf 2 (dormant, swelling, budburst, leaf length (mm))	Leaf 3 (dormant, swelling, budburst, leaf length (mm))	Leaf 4 (dormant, swelling, budburst, leaf length (mm))	Data entry ✓

- When you see that the bud is swelling, observe it every day, so that you do not miss the date of budburst
- Share the date of budburst at the [Discussion forum](#).
- After the bud opens, you continue to measure the length of the leaf (this will be the Activity 3)

3) Optional: Record temperature and precipitation

If you have an Atmosphere site nearby, keep recording temperature and precipitation data along with observing the buds and see if there is any link.

Do not forget to continue taking pictures of your tree using [GrowApp](#)!

The activity should be completed up to April 10th.

📍 To earn a Collaboration badge, share the date of budburst.

Green-up

Tree and Shrub Green-Up Data Sheet

School Name: _____ Study Site: _____

Observer Names: _____

Plant Scientific Name: Genus _____ Species: _____

Plant Common Name: _____

Green-Up Cycle: _____ Year: _____

Tree and Shrub Green-Up					
Date (day & month)	Leaf 1 (dormant, swelling, budburst, leaf length (mm))	Leaf 2 (dormant, swelling, budburst, leaf length (mm))	Leaf 3 (dormant, swelling, budburst, leaf length (mm))	Leaf 4 (dormant, swelling, budburst, leaf length (mm))	Data entry ✓

Check the last column in the green-up table to keep track of data submitted.

Comments (date each comment): _____

