

Grass Green-Down Protocol

Field Guide

Task

Observe and record green-down in grasses.

What You Need

First visit only

- [Tree, Shrub, and Grass Green-Down Data Sheet](#)
- Pencil or pen
- Camera
- Compass
- Fine-Tip Permanent Marker
- GLOBE Plant Color Guide

Every visit

- GLOBE Plant Color Guide
- Pencil or pen
- [Tree, Shrub, and Grass Green-Down Data Sheet](#)

In the Field

First visit only/getting started

1. Fill in the top of your *Data Sheet*.
2. Determine whether there are more than one green down cycles; if yes, during which cycle are you currently collecting data (1, 2, or 3)?
3. Look for the four longest green grass shoots.
4. Mark the base of the longest grass shoot with a single dot. Mark the second longest shoot with two dots, the third with three dots and the fourth shoot with four dots.
5. Take a photograph looking in the north, south, east, and west directions.

Every visit

1. Examine each of your four grass shoots. For each shoot, use the GLOBE Plant Color Guide to estimate the dominant color percentage of each shoot. For example, if shoot #1 appears colored at 60 percent 5G 7/12 and 40 percent 2.5 Y8/10, record the shoot color as 5G 7/12 for that observation date.
2. Record your observations for each shoot on the *Tree, Shrub, and Grass Green-Down Data Sheet*.
 - If leaf is snow covered, report “snow covered”,
 - If leaf has fallen, report “fallen” and stop reporting after that,
 - Otherwise, continue to report the color until the color stops changing.