GLOBE
Soil pH
Data Sheets

Print the Soil pH Data Sheet:

- Soil pH Data Sheet
  - The data sheet has space to record pH for four soil horizons.
  - **Data Entry Note:** You will need to add information about each horizon you are sampling before entering your fertility data, from the 'Create/Edit My Sites' button. For complete site definition, see the soil characterization protocol.

Or select an alternative option below:

- Soil pH with field guide
  - This data sheet has the field guide incorporated. There is space to record data for one horizon. Print the Soil pH Data Sheet (above) for other horizons you are sampling.
- Soil pH: Simplified
  - Use this data sheet when working with those new to GLOBE and collecting data.

GLOBE Soil pH Data Sheet

Name: ______________________________ Site Name: ______________________________

Date: ______________________________ Time (local): ______________________________

Date of soil collection: ______________________________

Soil pH Measurements

Horizon # : ________

Horizon depth. Top: ____________ cm | Bottom : ____________ cm

pH measurement method: ☐ paper ☐ meter

Sample 1 pH: __________ **Sample 2 pH**: __________ **Sample 3 pH**: __________

Horizon # : ________

Horizon depth. Top: ____________ cm | Bottom : ____________ cm

pH measurement method: ☐ paper ☐ meter

Sample 1 pH: __________ **Sample 2 pH**: __________ **Sample 3 pH**: __________

Horizon # : ________

Horizon depth. Top: ____________ cm | Bottom : ____________ cm

pH measurement method: ☐ paper ☐ meter

Sample 1 pH: __________ **Sample 2 pH**: __________ **Sample 3 pH**: __________

Horizon # : ________

Horizon depth. Top: ____________ cm | Bottom : ____________ cm

pH measurement method: ☐ paper ☐ meter

Sample 1 pH: __________ **Sample 2 pH**: __________ **Sample 3 pH**: __________

Comments:

GLOBE Soil pH Data Sheet and Field Guide

Name: _____ Site Name: _____

Date: _____ Time (local: _____

Date of soil collection: _____

Soil pH Measurements: In the Lab

1. Record the soil horizon from which the sample came from. **Horizon # :** _____

2. Record the horizon depths. **Top:** _____ cm **Bottom**: _____ cm

3. Record your pH measurement method. ☐ paper ☐ meter

4. In a cup or beaker, mix 40 g of dried and sieved soil with 40 mL of distilled water.

5. Stir the soil/water mixture with a spoon or other stirrer until it is thoroughly mixed. Stir the soil/water mixture for 30 seconds and then wait for 3 minutes. Repeat this process for a total of five stirring/waiting cycles.

6. Then, allow the mixture to settle for about 5 minutes until a supernatant (clearer liquid above the settled soil) forms.

7. Dip the pH paper or calibrated pH meter in the supernatant. Record the pH value below. If pH meter requires calibration, gloves should be worn.

Sample #1 pH : _____

8. Repeat steps 4–7 twice more.

Sample #2 pH : _____

Sample #3 pH : _____

9. Repeat steps 1–8 for any other soil horizons that you are sampling.

GLOBE Soil pH Data Sheet: Simplified

Name: _____

Site Name: _____

Today's date: _____ Time (local): _____

Date the soil was collected: _____

Soil pH Measurements

Horizon # : _____

Top Depth: _____ cm | **Bottom Depth**: _____ cm

pH measurement method: ☐ paper ☐ meter

Sample #1 pH: _____

Sample #2 pH: _____

Sample #3 pH: _____

Notes: