

---

## RhizeBio Manure Sampling Protocol

*Wear appropriate safety gear including gloves and eye protection when collecting manure samples from lagoons or pits.*

### Supplies Required:

- Sampling tools:
  - Dipper/Bucket attached to a long rope or pole
  - Pipe
  - Probe/Sludge Judge
  - Homemade Column Sampler
- Protective gloves and eye wear
- Clean, plastic bucket or container
- Manure sample bottle (16 ounces)
- Cooler with ice packs
- Permanent marker

---

### Sampling Guidelines:

#### 1. Sampling Tools:

- **Dipper/Bucket:** Use a dipper or bucket attached to a long rope or pole to collect liquid samples from the lagoon/pit.
- **Pipe Sampling:** An 8- to 10- foot section of plastic pipe can be used to collect samples from pits or lagoons. Insert the pipe, create an air lock, and release the air lock to deposit the sample into a clean container.
- **Probe/Sludge Judge:** For lagoon sludge, a probe (like a “sludge-judge”) can be used to collect a column of material.
- **Homemade Column Sampler:** A homemade column sampler can also be used.

#### 2. Sampling Zones:

- Sample **8–10 different locations** throughout the manure lagoon or pit.
- Take samples from **different depths**, including the surface, mid-depth, to capture the variability within the manure.
- Avoid dry crust, scum, clumps, and solid debris.

#### 3. Subsampling:

- From each location, collect **1/2 to 1 cup** of manure.
- Combine all subsamples into the clean bucket.

#### 4. Composite Sample Preparation:

- Mix subsamples thoroughly in the bucket using a clean, gloved hand or sterile tool.
- Thoroughly mix the composite sample.
- Carefully pour a portion of the mixed sample into a clean, labeled 16-ounce RhizeBio plastic bottle, ensuring it is two-thirds full.

### Sample Labeling:

Clearly label the bottle with:

- **Sample ID**
- **Date**
- **Manure Type**

---

### Storage & Shipping:

- Store the sample **on ice** immediately after collection.
- Ship **overnight** with ice packs to maintain cool temperature.
- Do **not freeze** or allow the sample to dry out.

### Ship Samples To:

RhizeBio, Inc.

235 Tuckaseegee Road, Suite A

Mount Holly, NC 28120

### Contact:

[Support@rhizebio.com](mailto:Support@rhizebio.com)

919-351-2038