



RhizeBio Greenhouse Trial Soil Sampling Protocol

Purpose: To collect bulk soil samples for assessing rhizomicrobiome response to various biological inputs in greenhouse setting

Sampling Criteria:

- 1) Ideally, sampling locations should be selected to be representative of soil type(s), and conditions (slope, moisture, OM) in the field, and spaced relatively evenly across the field
- 2) Use gloves and rinse digging tools prior to sampling.

Methodology:

- 1) Using a soil probe (or if not available, a small spade or hand trowel) collect soil samples from approximately 0 to 6 inches depth, at least 15 different locations within the field to be sampled, spreading the sample points across the field to get a good representation of the soil. If possible, collect soil from both in the rows and between the rows, alternating between in-row and between rows. Collect the soil in a bucket, then mix the soil and break up any large clumps.
- 2) Properly label individual soil bags (Name, Field ID) and fill with the soil. A total of 6 to 8 cups of soil (three to four full soil bags) should be collected.
- 3) If possible, please include in your shipment at least 30 seeds (either the primary seeds planted this season, or a variety intended for planting next year), excluding any varieties. Please ensure that only one type of seed is included. If these seeds are unavailable, RhizeBio will use a common untreated seed variety.

Documentation:

- 1) Fill out the RhizeBio Submittal Form (or Excel sheet, if provided). The field ID, sample reference, collection date, crop type, and coordinates are the minimum required fields.

Sample Storage and Shipping Guidelines:

- 1) Ideally, samples should be shipped as soon as possible following collection and spend no more than 5 cumulative days in transit.
- 2) If samples can't be shipped the same day as sampling, the samples should be refrigerated at 0-6°C (32-48°F) until shipping, but not frozen to avoid damaging the microbiology.
- 3) If samples may be in transit longer than 3 days, they need to be shipped alongside ice packs to ensure preservation.



RhizeBio Greenhouse Trial Soil Sampling Protocol

Shipping Instructions:

- 1) Ship the samples to the following address:

RhizeBio, Inc
235 Tuckaseege Road, Suite A,
Mount Holly, NC 28120

- 2) For any questions, please contact:

Keenan Gerhart
kgerhart@rhizebio.com
(919) 351-2318
