**Sample Processing, OSU**

1. Samples are first dried in an oven at 90 C for 24 hours.
2. Samples are then ground in a Wiley mill and returned to the envelope after passing through a 1 mm sieve

A picture containing sitting, table, suitcase, luggage

Description automatically generatedA picture containing piece, sitting

Description automatically generated

1. To process samples to a finer particle size they move to the rolling-pin grinder

A picture containing table, sitting, wooden, desk

Description automatically generated

1. Bottles are first labeled with Avery 5960 labels, using mail merge on Microsoft Word
2. Insert 4 clean stainless steel rods into the labeled bottles

A picture containing indoor, table, kitchen, sitting

Description automatically generated

1. Next two scoops of the sample are placed in the corresponding bottle (soil, grain, plant tissue)

A picture containing indoor, table, sitting, pair

Description automatically generated

1. Place the cap on tightly and tape the cap to prevent loosening during the rolling process

A picture containing building, sitting, dirty, brown

Description automatically generated

1. After the taped bottles are placed in the PVC tubes, they should face the center of the tube (higher chance of breaking the cap if faced outwards)

A picture containing sitting, kitchen, large, cooking

Description automatically generated

1. If any tube is not full of samples, place empty capped bottles to finish filling the entire tube
2. Once all tubes are full start the roller for 24 hours
3. After 24 hours of rolling the samples, they can be removed and placed in coin envelopes with the corresponding label

A close up of a logo

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1. Clean the bottles, lids and rods with soap and water with the help of bottle brushes
2. Rinse with 0.05 normal hydrochloric acid
3. Allow time to dry before next set of samples