

## Soil Sampling Checklist

### Recording and Reference Supplies

- Clipboard
- WSDA SOP
- Soiltest chain of custody
- Pre-printed labels (5 per site)
- Paper field forms as backup if ArcGIS Field Maps isn't working
- Pens/permanent markers
- Packing tape

### Sampling Supplies

- 4-gallon plastic buckets for collecting and compositing soil cores
- Plastic buckets for carrying bulk density (BD) supplies and samples
- Gallon size zip top bags
- Soiltest bags
- 15 mL falcon tubes
- Gloves, non-powdered, disposable

### Field Tools

- Paring knife for slicing between BD rings
- Universal slip wrench or adjustable wrenches for tightening/loosening equipment
- Ejection spoons, butter knives, or screwdrivers to remove soil from probes

### Sampling Equipment

- Step probe (sample 12" deep by 7/8" wide)
- Soil probe (sample 12" deep by 7/8" wide)
- Slide hammers (for soil probe and bulk density)
- 2' extension soil probe extension (optional)
- 1" plated heavy duty replaceable tip
- 2" diameter by 6" length BD soil core sampler
- 2" diameter BD metal liners (5 per site)
- 2" diameter BD plastic end caps (6 per site)
- Cooler with ice or freezer blocks
- Heavy duty garbage bags to line coolers

### Field Decontamination Equipment

- (2) spray bottles with 70% ethanol (or equivalent)
- (6-10) cloth rags

### Field Gear/Safety Equipment

- Cell phone or tablet with ArcGIS Field Maps installed
- Car charger
- Gloves for hand protection
- N-95 masks

### Before Sampling

- Communicate with landowners/producers.
- Add sample point locations to ArcGIS map.
- Download offline areas in ArcGIS Field Maps.
- Load all supplies and equipment listed on the left side of this checklist into the vehicle.

### After Sampling

- Check field forms in ArcGIS Field Maps are complete and correct.
- Check all sample bags are properly labeled and sealed.
- Separate falcon tubes to be placed in a freezer until WSDA retrieves them.
- Complete chain of custody (CoC) and take a picture.
- Package samples with ice packs and a zip top bag with the CoC and extra pre-printed sample labels.
- Ship or drop off package.
- Send CoC picture and tracking number to [WaSHI@agr.wa.gov](mailto:WaSHI@agr.wa.gov) immediately after sampling.

### Ship To or Drop Off at:

- Ship or drop off samples at least once per week. Include ice packs, CoC, and extra label per sample.

#### • Soiltest Lab

2925 Driggs Drive  
Moses Lake, WA 98837

### WA Department of Agriculture Shipping Accounts

- **UPS** Account #: [REDACTED] Reference # 72190
- **FedEx** Account #: [REDACTED] Reference # 72190

### Drop Box

If using a drop box, call the office (509.765.1622) so they can quickly get the samples.

#### • McGregor

200 S Railroad Ave,  
Ellensburg, WA 98926

#### • Kern Company

200 S Main St.  
Kittitas, WA 98934

### Need Help? WSDA Contact Information

General email: [WaSHI@agr.wa.gov](mailto:WaSHI@agr.wa.gov)

#### • Program Info:

Dani Gelardi | 360.791.3903 | [DGelardi@agr.wa.gov](mailto:DGelardi@agr.wa.gov)

#### • Sampling/Field Assistance:

Leslie Michel | 509.731.9895 | [LMichel@agr.wa.gov](mailto:LMichel@agr.wa.gov)

#### • Data/GIS Assistance:

Jadey Ryan | 360.819.7855 | [JRyan@agr.wa.gov](mailto:JRyan@agr.wa.gov)