

## ECHO Probe Insertion Guide

- SMR110

### For Shallow Installations

Simply cut a pilot hole in the soil using a shovel or flat blade that is approximately the thickness of the probe. Saturate the hole with water and insert the ECHO probe in the soil at the desired position, making sure the probe is oriented such that the flat side is perpendicular to the surface of the soil. Inserting the shovel or blade a few inches away from the probe and squeezing the soil onto the probe will improve soil-to-probe contact.

### For Deep Installations

1. Excavate down to the level you wish to measure
2. In the exposed wall, cut a pilot hole as described above. Saturate the pilot hole with water. Insert the probe, then with a shovel or blade a few inches away from the probe, squeeze the soil onto the probe. This will improve the soil-to-probe contact.
3. Installing multiple probes in one location at different depths allows for tracking of moisture throughout the soil profile.  
The following depths are recommended:  
**Vegetable, one probe each at 6", 12" and 24" below the surface.**  
**Vine and Orchard, one probe each at 12", 24" and 36" below the surface.**
4. When replacing dirt in the excavation hole, try to duplicate the original soil profile and compaction.

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