Slake & Infiltration Tests: Is your soil healthy?

Rain Simulator & Infiltration Test

Ref.: Ray the Soil Guy

Healthy soils are held together by soil glues, or glomalin, that are produced by fungi. Soils rich in soil biota hold together, while soils devoid of soil life fall apart and form a layer of sediment in the bottom of the jar. Pictured above, the soil on the left is from a field that has been managed using no-till for several years. The soil on the right is from a conventionally-tilled field.

Is your soil healthy?

Water stable aggregates

Only 0.4% difference in OM

Does your top soil form crusts?

Crumbly soils (left) have more pores and channels than cloddy soils (right). Pores and channels allow air and water to move into the soil.

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