



## Biology Testing Options [capofohio.org](http://capofohio.org)

**Cover Crop Biomass:** a baseline of nutrients within the cover crop

**Haney Test:** integrates chemical and biological measurements to assess the soil nutrient status, microbial biomass and aspects of the microbial habitat to determine overall soil health. The Haney test can assess a soil's condition, determine if the soil is in balance and provide information for making recommendations aimed to improve soil health.

**PLFA Test:** Phospholipid Fatty Acids (PLFA) are the main components of living microbial cell membranes. The PLFA test can provide a real-time snapshot of the soil microbial community.

**BeCrop Test:** soil microbiome analysis testing which reports soil nutrient cycling, soil health, and biodiversity.

**Total Nutrient Digestion:** (TND) measures the soil's net worth of nutrients. While most extract tests provide you with what is "available", the TND provides you with the nutrient potential of your soil.

**POXC:** Permanganate oxidizable carbon (POXC) is a measure of the biologically active carbon fraction of the soil.

**Microbiometer:** a low cost, 20-minute on-site soil test for microbial biomass and fungal to bacterial ratio that allows you to quickly determine the health of your soil.

**Soil 1:** this one step field test kit gives a real-time measurement of soil active organic matter, nitrogen, and microbial vitality in the field.

**SAP tissue test:** Sap analysis measures the active liquids in the vascular tissues, the xylem and phloem. Analysis of sap can detect nutrient issues often long before visible symptoms appear.

**Corn Stalk Nitrate test:** end of season test to evaluate how efficient nitrogen was utilized by the plant.