

# microBIOMETER®

Soil health in the palm of your hand



## How alive is your soil?

There are more microbes in a handful of living soil than there are humans on this planet. Infinitely small yet enormously important, we are just now starting to truly understand how vital the symbiosis is between plants and these micro-organisms. In fact, we now believe that microbial biomass is the single best measurement of soil health. Have you measured yours recently?

### FAST AND AFFORDABLE

If you don't know your soil's microbial biomass, we can't fault you. Up until now, reliable microbial biomass tests have been cumbersome, slow, and expensive lab procedures. We are here to change this with the patented MicroBiometer®. Our test only takes around 10 minutes to perform, yet accuracy is on par with lab tests costing 10 times as much.

### EASY TO USE

You can use MicroBiometer® anywhere. Read the instructions the first time, and we bet you won't need them again. Mix sifted soil for 30 seconds in our reagent solution, let it settle for 10 minutes, place 3 drops on our test card, scan it with our smart phone app, and you are done - it really is that simple! Results are archived and accessible in the cloud.

### THE BENEFITS

Living soil fixes nutrients, resists stresses, and stores fertilizer and water more efficiently, which means microbes increase productivity while reducing inputs. Quantifying these microbes is crucial and with MicroBiometer®, it is now practical.

In addition, many growers use no till, cover crops, organic fertilizers, or biological inoculates to try to build up their soil or growing medium. MicroBiometer® allows these growers to track their success. So whether you are growing conventionally or organically, MicroBiometer® is a powerful new tool that will help both your soil and your bottom line.

“Finally, there is a way to measure if soil or related products actually team with microbes! The MicroBiometer® is an advancement in measuring soil food web activity that finally lets us know if our inputs are working. It is an invaluable new tool with tremendous potential to improve our soils.

Jeff Lowenfels  
Author of *Teaming With Microbes*, *Teaming With Fungi*,  
and *Teaming With Nutrients*

### PROFILIC EARTH SCIENCES, INC.

We are experts in the field and in the lab. Our breakthrough technology was developed through the work of James Sottilo, a renowned sustainable landscape expert, Dr. Judith Fitzpatrick, a Ph.D microbiologist and medical device developer with 12 patents, and Dr. E.Brady Trexler, an expert in computer visualization.