

The Science of C20 Soil Builder

THE DIFFERENCES BETWEEN C20[™] & BIO-CHAR

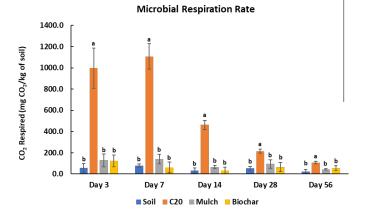
Room & Board for Soil Microbes

C20TM is a carbon food source for indigenous soil microbes. It is manufactured from locally produced grain byproducts with a 50/50 ratio of readily available to slow-release carbon. It increases microbial populations to create a thriving, living and productive soil that promotes root health.

Biochar is charcoal used as a soil amendment. Biochar is stable, solid, rich in carbon and can endure in soil for thousands of years. Like most charcoal, biochar is made from biomass via pyrolysis, the formal decomposition of material at elevated temperatures in an inert atmosphere.

Proponents of biochar suggest that biochar creates pore space in which soil microbes can live. In this case, we see biochar and C20 as companion products. C20 will feed the microbes that can use the biochar for their housing needs. A combination of the products creates "room and board" for soil microbes.

Figure 1. Microbial activity stimulated by C20 application as compared to bare soil, compost and biochar.



John E. Lloyd, PhD Chief Science Officer Precision Organics, LLC research@precisionorganics.com

