

PHYSICAL CHARACTERS OF C20™ TREATED SOILS

Initiating rapid soil structural changes is a unique characteristic of C20™ Soil Builder.

C20™ Soil Builder is a food for soil microbes made from grain by-products. Microbes stimulated by an application of C20 clump soil particles together into aggregates that create pore space (Figure 1). The resulting decrease in bulk density allows for better water and oxygen penetration into compacted soils (Figures 2, 3 & 4).

With enhanced oxygen and water penetration, plant root growth is improved through the existing soil matrix. This response is collectively called “microbial aeration”.

By creating porous soils, contaminants such as road salts move through the soil and below the root zone. Thus, their negative impact to soil and plants is greatly mitigated as landscape plants reawaken from winter in northern climates.

Figure 1. 10X magnification of soil illustrating the aggregate formation in C20 treated soils.

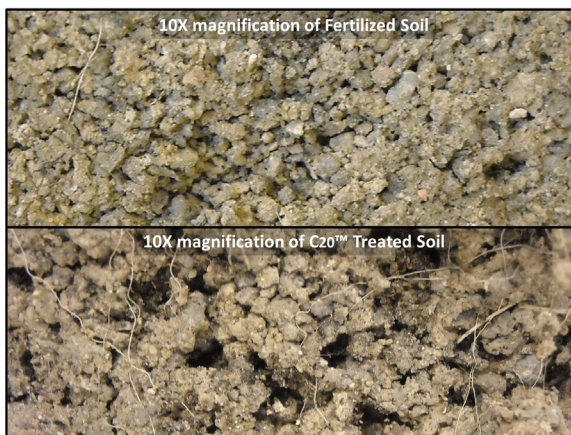


Figure 2. Changes in soil bulk density due to C20 application

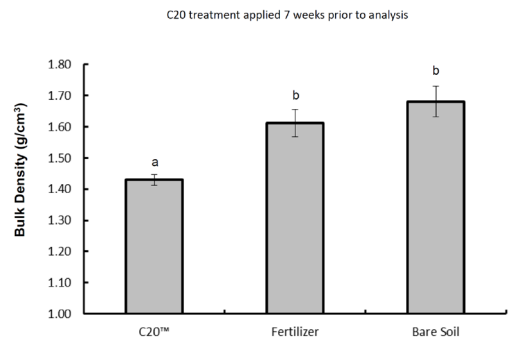


Figure 3. Changes in soil compaction due to C20 application

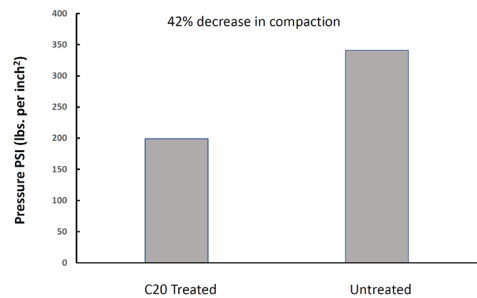


Figure 4. Changes in soil porosity due to C20 application

