



USE FOR MICROBIAL AERATION™ • CARBON REPLENISHMENT™

GUARANTEED ANALYSIS

CONTAINS NON-PLANT FOOD INGREDIENTS

Soil Amending Ingredients

Grain By-Products..... 97.0%

Grain By-products includes: Soybean hulls, wheat middlings, and rice hulls

Total Other Ingredients (Binding Agents)..... 3.0%

DIRECTIONS FOR USE:

Application Directions for Turfgrass

1. Apply C20 using standard turf application equipment.
See spreader settings below.

Turf Application Rates for C20

Seasonal Maintenance Rate: 10 lbs. per 1000 sq. ft.

- Use in spring and/or fall to reduce soil bulk density
- Use for Microbial Aeration™ as an alternative to mechanical aeration
- Use as spring aeration when preemergent weed control is being applied
- Increase microbial activity
- Enhance root development
- Ideal for use when seeding
- Enhances microbial decomposition of thatch

New Sod Rate: 10 lbs. per 1000 sq. ft.

- Spread C20 on soil before laying the sod
- Enhances sod turf rooting

Hydroseeding Rate: Per Acre Rate

- 10 lbs. per 1,000 sq. ft.
- 11 bags (440 lbs.) of C20 per acre

Lawn Rejuvenation Rate: 20 lbs. per 1000 sq. ft.

C20 decompresses the soil reducing bulk density resulting in a better soil environment for root growth.

- Reduces compaction and bulk density of hard pan soil
- Increases soil root penetration
- Increases air and moisture percolation
- Increases nutrient availability
- Increases microbial activity

Soil Remediation Rate: 40 lbs. per 1000 sq. ft.

- Rebuild damaged/deconstructed soils
- Build holding capacity in porous soils

Salt Mitigation: 10 lbs. per 1000 sq. ft.

- Use for road salt mitigation

Spreader Setting Guidelines:

The Chapin #82400 and Earthway Polar Tech spreaders are recommended for one pass applications of C20 Soil Builder at the 10 and 20 lb. rates.

Spreaders with large openings are much more effective at spreading the necessary volumes of C20 in one pass.

Calibrate spreaders by removing screens and opening the dispenser to maximum. It may require two passes with spreaders with small dispenser holes to provide the volume of C20 recommended.

Spreader	10 lbs. of C20 per 1,000 sq. ft.	20 lbs. of C20 per 1,000 sq. ft.
Chapin #82400	#12 - 1 pass	#18 - 1 pass
Turfco T3000	#8 - 2 passes	-
LESCO	#30 - 2 passes	-
Earthway	#28 - 2 passes	-
Scotts DLX	#8.5 - 2 passes	-

*Note: Actual spread rate can vary based on speed traveled, width of spread pattern and mechanical differences in equipment settings. Individual spreaders should be calibrated in order to insure accuracy.



SOIL BUILDER

FOR TREES,
SHRUBS AND TURF
CONCENTRATED FOOD SOURCE
FOR SOIL MICROBES

Application Directions for Trees

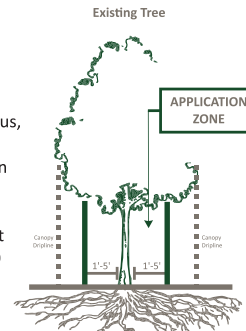
Carbon Replenishment™

1. Estimate the sq. ft. of area under the tree canopy.
2. Apply C20 at a rate of 20 lbs. per 1000 sq. ft.
3. Spread materials evenly over the top of existing turf.
4. Irrigate area after application to activate C20 Soil Builder.

Root System Mitigation

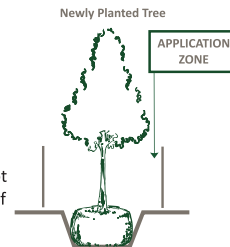
- For Micro-Nutrient Deficiencies
- For Limited Root Volume Areas
- For Recovery from Construction Damage

1. Measure a ring covering 50% of the tree canopy radius, but no more than 5 feet and use the Root System Mitigation Application Rates to determine application quantity.
2. Remove any plastic or fabric, weed barrier, decorative stone and/or wood mulch from treatment area. If mulch is significantly decomposed, apply C20 over the top of the decomposed mulch and add new mulch over the top of the application.
3. Where wood mulch rings are not present and turf is growing up to the root flare, apply C20 to the treatment area over the turf and rake it into the turf where it can make soil contact. Irrigate after application to activate.



New Tree Planting

1. For newly planted trees, apply C20 in a circle from the trunk of the tree, extending one foot beyond the edge of the root ball, and/or the soil used to fill the planting hole, to cover 12 inches of the native soil. Use the Root System Mitigation Application Rates based on the size of the area applied.



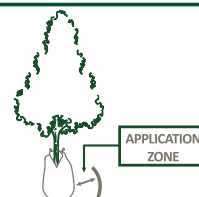
Root System Mitigation Application Rates

Ring Radius	Square Feet per Ring	Amount of C20 to Apply
6 inches	0.78 sq. ft.	1 lb.
1 foot	3.1 sq. ft.	3 lbs.
18 inches	7 sq. ft.	7 lbs.
2 foot	12.5 sq. ft.	12 lbs.
3 foot	28.3 sq. ft.	30 lbs.
4 foot	50.2 sq. ft.	50 lbs.
5 foot	78.5 sq. ft.	80 lbs.

Annual or biennial applications should follow existing landscape tree rates. Subsequent applications can be extended out from the original 5-foot radius treatment area.

Application Directions for Landscape Beds, Flower Beds and Vegetable Gardens

1. When possible, rake back mulch and apply C20 directly to the soil surface.
2. C20 can be applied over the top of very decomposed mulch.
3. Bed application rates are 2 lbs. per 100 sq. ft. (20 lbs. per 1000 sq. ft.)
4. Base of plant rate is 5 tablespoons per 1 sq. ft.
5. Individual plant application rates are 1 tablespoon per 4" pot.



CAUTION FOR TREES AND SHRUBS

- Do not apply C20 in continuously saturated soils.
- Do not treat plants that are already dead or dying. If tree, shrub, or plant is significantly stressed (exhibiting terminal die back, leaf drop, or wilting leaves), but not dead or dying, resolve the cause of the stress before applying C20 at 1/2 rate.
- Do not cover a C20 treated area with impervious barriers such as water bags and / or landscape fabrics. Remove landscape fabrics and then treat with C20. When using water bags, apply C20 outside the water bag perimeter. Do not treat with C20 under the water bag.