

Synergy Carbon pHiber Organic Acid

55% Carbon
Amino Acids Matrix & Carbohydrates (AAMC)

Acidifies Water.
Destroys bicarbonates.
Frees soil-bonded Calcium and Magnesium



Guaranteed Analysis

Calcium (Ca) 1.00%
Sulfur (S) 1.50%

Derived from Calcium Lignosulfonate and Lignosulfonic Acid

Non-Plant Food Ingredients

Carbon 55.00%
HPLC Sugars 10.00%
Amino Acids Matrix and Carbohydrates
Calcium Lignosulfonate and Lignosulfonic Acid as binding agent

Synergy Carbon pHiber Organic Acid is a modified organic acid derived from Lignin, a natural and renewable raw material that contains carbon and sugars. It acidifies irrigation water; improves water penetration; helps free up bound nutrients in alkaline soil; and supplies Carbon to soil microorganisms.

Synergy Carbon pHiber Organic Acid combines the unique properties of lignin and organic acids. **Synergy Carbon pHiber Organic Acid** provides the benefits of dissolving Bicarbonates and lowering pH. The lignin complex acts as a buffering agent against corroding metals which allows **Synergy Carbon pHiber Organic Acid** to be applied with conventional spraying equipment. Lignosulphonate molecule displays most of the properties attributed to humus present in soils. It is a source of plant nutrients due to the carbon and sulfur present in the **Synergy Carbon pHiber Organic Acid** molecule.

Benefits:

- Dissolves bicarbonates which release calcium in the soil. Available calcium flocculates tight soil which, in turn, improves soil structure and reduces the incidence of localized dry spots
- Improves fertilizer efficiency by solubilizing nutrients tied up in alkaline soils
- Increases water use efficiency (reduces water use) due to the improvement of opening soil structure
- Improves efficiency of alkaline sensitive pesticides
- Carbon supplies energy to soil microorganisms
- Amino Acids Matrix aids in reducing plant stress

■ Weight per gallon: 10.20 lbs. (4.6 kg)

■ Each gallon contains:
5.61 lb Carbon
1.02 lb HPLC Sugars
.10 lb Calcium
.15 lb Sulfur

■ pH: 2.6



Directions for Use:

Greens, Tees and Fine Turf: For initial application, apply 2.0 - 6.0 oz. of **Synergy Carbon pHiber Organic Acid** with 1.5 - 2 gallons of water per 1,000 sq. ft. (0.7 - 2.0 gallons of **Synergy Carbon pHiber** with 66 - 88 gallons of water per Acre) once or twice per month throughout the growing season. Thereafter, reduce rates to 2 - 4 oz. per 1,000 sq. ft. (0.7 - 1.4 gallons per Acre). Apply from spray tank with a minimum of 2 gallons per 1,000 sq. ft. (87 gallons per Acre). For best results, irrigate after application to work **Synergy Carbon pHiber Organic Acid** solution into the soil.

Fairways and Sports Turf: Apply 0.5 - 1.0 gallons of **Synergy Carbon pHiber Organic Acid** with 44 - 88 gallons of water per acre (1.5 - 3.0 oz of **Synergy Carbon pHiber** with 1 - 2 gallons of water per 1,000 sq. ft.) once or twice per month throughout the growing season. Irrigate after applying to move **Synergy Carbon pHiber Organic Acid** into the soil.

Flushing Sodium from Soil: Apply 6 oz. of **Synergy Carbon pHiber Organic Acid** per 1,000 sq. ft. (2 gallons per Acre) with 1.5 - 2 gallons of water per 1,000 sq. ft. Irrigate thoroughly after application. Apply calcium, magnesium and potassium based on soil test(s).

Application Rates for Synergy Carbon pHiber Organic Acid

Fluid Oz/ 1,000 sq. ft.	Gallons/ One Acre	ML/ 100 M ²	L/HA Litre/ Hectare	Calcium/ 1,000 sq. ft.	Sulfur/ 1,000 sq. ft.	Carbon/ 1,000 sq. ft.
1.5	0.5	48	5	0.0012	0.0018	0.0657
2.0	0.7	64	6	0.0016	0.0024	0.0890
3.0	1.0	95	10	0.0024	0.0036	0.1341
4.0	1.4	127	13	0.0032	0.0048	0.1179
6.0	2.0	191	20	0.0048	0.0072	0.2630

Available Container Sizes:

2 x 2.5 gal (2 x 9.46 L) Case
30 gal (113.56 L) Drum
55 gal (208.20 L) Drum
275 gal (1040.99 L) Tote

Store above 40° F. Do not allow to freeze.

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