



Blackstrap Molasses is the by-product of sugar refining that contains all the nutrients from the raw sugar cane plant. Of the varieties of molasses, **Blackstrap Molasses** is richest in sources of sugars, carbon, enzymes, B-vitamins and trace elements. **Blackstrap Molasses** is a carbohydrate energy source that feeds soil microorganisms and increases microbial activity. With continued applications, **Blackstrap Molasses** encourages a soil environment that helps reduce thatch.

Benefits of **Blackstrap Molasses** applications:

- Increase Plant Health
- Increase Microbial Activity
- Increase Leaf Color
- Decrease Thatch
- Improve Fertilizer efficacy

Blackstrap Molasses may be added to foliar sprays to enhance adhesion to leaf surfaces.

- **Weight per gallon: 11.7 lbs. (5.3 kg)**

Blackstrap Molasses

Sugar energy source for soil microorganisms

Directions for Use:

Greens, Tees and Fine Turf: Apply 3 - 6 oz. of **Blackstrap Molasses** per 1,000 sq. ft. (1 - 2 gallons per Acre) every 10-14 days. Apply throughout the season. For heavy thatch areas, use the higher rate at weekly applications.

Aerification: Apply 3 - 6 oz. of **Blackstrap Molasses** per 1,000 sq. ft. (1-2 gallons per Acre) 7 days before and again 7 days after aerification.

Application Rates for Blackstrap Molasses		
Fluid Oz/ 1,000 sq. ft.	Gallons/ One Acre	ML/ 1,000 sq. ft.
3 oz	1.0 Gal	89 ML
4 oz	1.4 Gal	118 ML
6 oz	2.0 Gal	177 ML

Mixing Instructions:

Blackstrap Molasses has a naturally thick viscosity. Prior to mixing, the product should be at least room temperature in order to expedite the tank mixing process. Always tank mix AFTER the spray tank is at least 3/4 full, and after tank mixing any soluble and wettable powder products. Use aggressive tank agitation to liquefy the **Blackstrap Molasses** and prevent it from sticking to the sides of the spray tank. A small jar compatibility test is recommended when adding other products to the tank mix, especially if tank mix has an acidic pH or more than four products.

Tank Mixing Information:

Prior to any fertilizer or pesticide application, all spray mixing and application equipment must be cleaned. A quality tank cleaner is recommended. Carefully observe all cleaning directions on the pesticide and fertilizer label. Fill the spray or mix tank at least 3/4 full of water and begin agitation. Add pesticides and/or fertilizers as directed by labeling or in the following sequence:

- 1) Dry flowables or water dispersible granules,
- 2) Wettable powders,
- 3) Flowables,
- 4) Emulsifiable concentrates,
- 5) Water based solutions,
- 6) Compatibility agents,
- 7) Micronutrients and Fertilizers,
- 8) Spray adjuvants

Before mixing multiple chemicals and/or fertilizers in the tank, confirm product compatibility by performing a jar test. Be sure to mix with plenty of water.

Caution:

Keep away from children and domestic animals. Avoid contact with eyes, open cuts, or sores. Harmful if swallowed. External: Flood with water. Internal: Induce vomiting. Contact a physician immediately.

Storage and Handling:

Store in a cool, dry place. Keep container tightly closed. Do not add water or other material to the container. Do not contaminate water, food, or feed by storage or disposal. Do not store near acids or other acidic materials.

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

Available Container Sizes:

5 gal (18.92 L) Pail
275 gal (1040.99 L) Tote

MOLASS





Synergy Carbon pHiber Organic Acid

55% Carbon, Amino Acid Matrix & Carbohydrates

Destroys bicarbonates; Frees soil-bonded Calcium and Magnesium; Increases Carbon to Nitrogen ratio

Guaranteed Analysis

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

Derived from Calcium Lignosulfonate and Lignosulfonic Acid

Non-Plant Food Ingredients

Amino Acid Matrix and Carbohydrates
Carbon 55.00%
HPLC Sugars 10.00%

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

- Complexes tied up soil micronutrients which will release them to the plant
- Improves soil structure
- May enhance the ability of certain plants to resist attack by pathogen
- Supplies energy to soil microorganisms
- **Weight per gallon: 10.20 lbs. (4.6 kg)**
- **pH: 2.6**

Directions for Use:

Greens, Tees and Fine Turf: For initial application, apply 6 oz. of **Synergy Carbon pHiber Organic Acid** per 1,000 sq. ft. (2 gallon per Acre) once or twice per month. Thereafter, reduce rates to 2 - 4 oz. per 1,000 sq. ft. (.7 - 1.4 gallons per Acre). Apply in 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 **Carbon pHiber Organic Acid** solution into the soil.

Fairways and Sports Turf: Apply 2.8 - 5.6 gallons per Acre of **Synergy Carbon pHiber Organic Acid** 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/ 1,000 sq. ft.	Calcium/ 1,000 sq. ft.	Sulfur/ 1,000 sq. ft.	Carbon/ 1,000 sq. ft.
1 oz	0.3 Gal	30 ML	0.0008	0.0012	.0438
2 oz	0.7 Gal	59 ML	0.0016	0.0024	.0876
4 oz	1.4 Gal	118 ML	0.0032	0.0048	.1752
6 oz	2.0 Gal	177 ML	0.0048	0.0072	.2629

Tank Mixing Information:

Prior to any fertilizer or pesticide application, all spray mixing and application equipment must be cleaned. A quality tank cleaner is recommended. Carefully observe all cleaning directions on the pesticide and fertilizer label. Fill the spray or mix tank at least 3/4 full of water and begin agitation. Add pesticides and/or fertilizers as directed by labeling or in the following sequence:

- 1) Dry flowables or water dispersible granules, 2) Wettable powders, 3) Flowables,
- 4) Emulsifiable concentrates, 5) Water based solutions, 6) Compatibility agents,
- 7) Micronutrients and Fertilizers, 8) Spray adjuvants

Before mixing multiple chemicals and/or fertilizers in the tank, confirm product compatibility by performing a jar test. Be sure to mix with plenty of water.

Caution:

Keep away from children and domestic animals. Avoid contact with eyes, open cuts, or sores. Harmful if swallowed. External: Flood with water. Internal: Induce vomiting. Contact a physician immediately.

Storage and Handling:

Store in a cool, dry place. Keep container tightly closed. Do not add water or other material to the container. Do not contaminate water, food, or feed by storage or disposal. Do not store near acids or other acidic materials.

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.

CARPHI

