



HumaCarb™

humic acids and fertilizer stabilizer



HumaCarb™ is a natural concentrate of humic substances derived from Humalite deposits, designed to enhance nutrient absorption and reduce the need for fertilizer applications.

features & benefits

- Holds nitrogen and phosphorus in the root zone¹
- Aids in the uptake of micronutrients²
- Chelates plant nutrients³
- Optimizes soil conditions for better overall plant mass⁴

where & how to use

Liquid concentrate should be tank mixed with liquid fertilizers as 3% of the total solution.

Non-synthetic humic substances have a low pH (4 - 4.5) and can be tank mixed with most fertilizers.*

Works especially well on lighter, sandier soils or in areas of greater than average rain fall.

HumaCarb™ performs well on a variety of crops, especially on forages and soybeans, as well as fruits and vegetables.

May be mixed with liquid manure to stabilize nitrogen and reduce odor while softening the harsh effects of applying raw manure.

This product is suitable for use under NOP. Please check with your certifier before using.

* A jar test should be conducted when mixing HumaCarb™ with any other product.

differences from other products

HumaCarb™ is derived from a Humalite ore deposit which contains the humic acid, fulvic acid, and humin compounds that provide the benefits to soil and plants.

Humic acids are usually extracted from leonardite ore in a strong alkali solution generally using sodium or potassium hydroxides. Compared to leonardite, Humalite contains more humic and fulvic acids, meaning less ash and heavy metals applied to your fields.

Unlike other humic acids available on the market, HumaCarb™ is produced using a process that preserves all the natural properties of the humic substances so you get 100% benefit from the 100% all-natural, mined Humalite.

application rates and timing

Usual application rates are 2-3 quarts per acre.

Sandy soil or areas of high rainfall may benefit from increased application.

HumaCarb™ should be tank mixed with liquid fertilizers at 3% of the solution.

Check the label on the product or consult your local AEA representative.

While this product can be used individually, it is intended to be used along with other complementary products as part of an overall fertility program designed to produce the highest quality results.

If you are currently not taking advantage of our consulting service, please call 800-495-6603 to get connected with an AEA consultant.

1. Depending on the form of fertilizer applied, nitrogen may become a structural component of humic substances as a stable organic material, preventing it from leaching through the soil. (Haworth, 1971; Stevenson, 1982; Haynes and Swift, 1990; Kelly and Stevenson, 1996) In their natural state, humic substances contain anywhere from 1% to 5% nitrogen. Reduction of nitrogen application (Day, et al, 2000, Fatah, et al, 2001)
2. The stimulatory effects of humic substances have been directly correlated with enhanced uptake of macronutrients, such as nitrogen, phosphorus, sulfur (Chen and Avia, 1990) and micronutrients. i.e. Fe, An, Cu, and Mn. (Chen et al, 1999)
3. Chelation and complexation by humic substances keeps plant nutrients in soil solutions (Tan, 1986, Chen et al, 1999, Clapp, et al 1998)
4. The stimulatory effects of humic substances has been conducted by the USDA-ARS soil lab in Minneapolis (Clapp et al, 2001; Chen et al, 2001; Chen et al, 1999, Chen et al, 2004) and worldwide (Karr, 2001)

Advancing Eco Agriculture warrants that the product conforms to its specifications on the label. User assumes all risks associated with its use.



Advancing Eco Agriculture, LLC
4551 Parks West Road, Middlefield OH 44062
www.advancingecoag.com • 800-495-6603