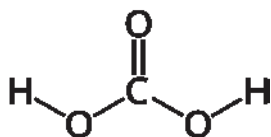




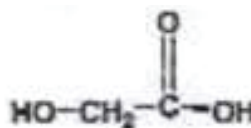
Turf and Soil Solutions organic acid products are the next generation of acids for turf managers to alleviate chemical bonding in soils. Unlike traditional sulphuric acid preparations, organic acids are safe, non-corrosive, cost effective, and sustainable. TSS organic acids come in three formulations, Seacure Cal, Seacure Cal Max, and LS 360. Each one is designed for different challenges and conditions.

The Similarities between Carbonic and Organic Acid

After a rainfall, water from the sky absorbs atmospheric carbon dioxide to form carbonic acid (H_2CO_3), a weak organic acid. It reacts with various compounds in the soil, particularly calcium carbonate (CaCO_3) if present, to form soluble bicarbonate ions (HCO_3^-), which can then be transported deeper into the soil profile. This process not only contributes to soil formation and structure but also influences soil pH, often making it slightly more acidic. This change in pH can affect nutrient availability for plants, solubility of minerals, and microbial activity in the soil, playing a crucial role in soil health and fertility.



**Carbonic Acid found
in rain**



**Seacure Cal
Organic Acid**



Mimics Rainfall
event with
continued use



Advances the complex
natural process in
Soil and Plant health



Allows tied up
calcium to be
readily available



Great for nutrient
availability and
tank buffering



Organic Acid

SEACURE-CAL



Rate: 32-64 oz /acre

SeaCure-Cal is a weak carbon based organic acid complex and cofactor that is highly effective in the reduction of chemical bonding in soil and water. With low application rates, the normal risks associated with acid is eliminated.

SeaCure-Cal will boost the availability of the good salts like calcium and magnesium while improving the solubility and leaching of bad salts such as carbonates and sodium.

SeaCure-Cal will provide two reactions in soils. Lime reacts with the organic acid component to form Calcium Glycolate, which is 5 times more soluble than Gypsum. Thus, a reaction with SeaCure-Cal will provide Calcium that is 5 times more available for nutrient use or in an exchange reaction. Additional ion reactions free up other available nutrients: Nitrate, Phosphate, Potassium, Zinc, and Iron.

LS 360

LS 360 has an additional proprietary ingredient that is more aggressively focused on sodic conditions. This product should be used in rotation with Seacure Cal to manage sodium in all turf and soil types.

Rate: 32-64 oz /acre



SEACURE-CAL MAX



Seacure-Cal Max has all the benefits of Seacure-Cal with the addition of a stress relieving compound. Secure-Cal Max can assist in the regulation of water movement and transport molecules within the phloem and xylem that affect growth.

Rate: 32-64 oz /acre

Organic acids are an excellent choice for injection when water conditions are marginal or poor. The non-corrosive nature of these acids prevent any damage to expensive pump parts or pipe. Any of these products can be packaged in 2.5 gallon jugs, 30 gallon drums, or 275 gal totes.

**PERFECT FOR
INJECTION**

