

BorrePlex™ OA Liquid

The Renewable Complexing Agent for Acidification and H₂O Quality



Composition

BorrePlex OA is an OMRI approved modified organic acid derived from Lignin, a natural and renewable source of carbon. It also supplies soluble calcium and sulfur.

Active Ingredients:

Calcium (Ca).....	1.0%
Sulfur (S).....	1.5%
Non Plant Food Ingredients.....	55%
(Solution of Organic Acids and Lignin)	

Water Quality Benefits of BorrePlex OA

- Lowers the pH of Irrigation Water
- Treating Irrigation Water Converts Carbonates and Bicarbonates to Soluble Calcium Lignosulfonates
- Minimizes Scale Formation in Irrigation lines when pH is adjusted between 6.2-7.0
- Improves Infiltration of Applied Water
- Increases Availability of Bound Nutrients (Ca, K, P, Mg).
- Acid pH (Approx. 2.2)

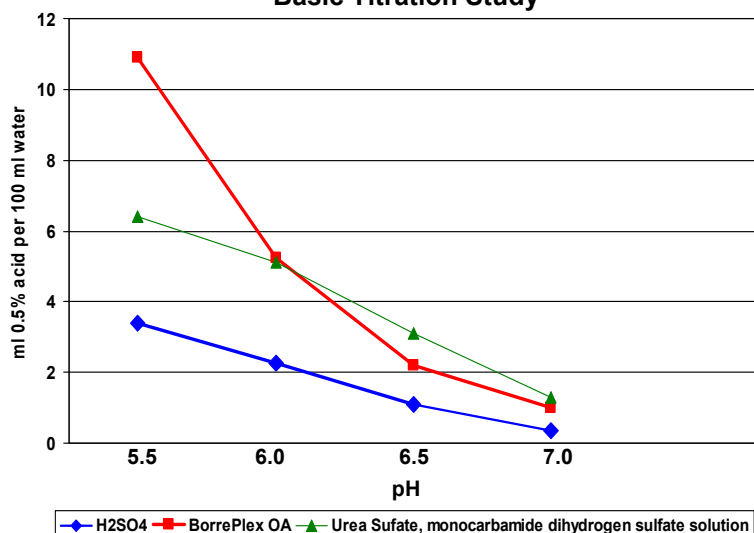
Stabilize Irrigation Water pH

High pH irrigation waters contain significant levels of carbonates and bicarbonates. When repeatedly introduced into soils, these substances shift soil pH towards the alkaline side of the spectrum. Such a shift can negatively affect soil microbiology and reduce the availability of soil nutrients. By pre-treating irrigation water with **BorrePlex OA**, carbonate and bicarbonates are converted to highly-soluble and organically-rich lignosulfonate salts, which stabilize soil pH and serve as a source of nutrition for soil microbes.

Application Rates

To Stabilize Irrigation Water pH: Pre treatment water testing should be performed before application to determine amount required necessary to adjust pH between 6.2-7.0 based on water hardness and pH. BorrePlex OA is similar in acidifying properties to harsher acids like Sulfuric Acid, N-Phuric, etc., until the pH rises above 7.5

Basic Titration Study



Scale Treatment Guidelines

Descaling:

For descaling, the optimal dosage rate of **BorrePlex OA** should be determined based on the alkalinity and pH of the water in use. Typically, it is desirable to lower the pH of the irrigation water to a pH of 3 or below. The irrigation water should be maintained at this pH for a minimum of 30 minutes.

