

BorrePlex™ OA Liquid

The Power of Lignin



Carbon, an important component of soil, is derived from many sources, including lignin, leonardite and molasses. Carbon sources can be either long chained or short chained. Carbon with short chained sources are used up quickly, unlike long chain carbon sources which take longer to be utilized.



BorrePlex OA	Carbon Comparison	12% Humic Acid
Lignin	← Carbon Source →	Leonardite
50% Short 50% Long	← Molecular Chain →	Mostly Short
5.5 lbs/gl	Solids/gl	1.5 lb Humic Acid/gl
60%	← Percent Carbon →	50%
3.3 lbs	← Pounds of Carbon/gl →	.75 lb

BorrePlex OA – Influence on Soils and Crops

- Improves Humus Soil Content (lignin + lignosulfonates become Humus)
- Improves Soil Salinity – Salt leaches through the root zone
- Stimulates Microbial Activity
- Increases Nutrient Availability

BorrePlex OA – Influence on Irrigation Water (Adjust pH to 6.0- 6.5)

- Inhibits Scale Formulation In Irrigation Lines
- Converts Carbonates To Highly Soluble Available Calcium Lignosulfonate Salts
- Improves Water Quality (Better Plant Response)



BorrePlex™ OA
Distributed Exclusively in the U.S.
By: Miller Chemical & Fertilizer Corporation
P.O. Box 333, 120 Radio Rd.
Hanover, Pa. 17331
Tel: 800-233-2040 Toll Free

BorrePlex™ OA Liquid

Field trials have shown that the addition of **BorrePlex OA** at planting as part of a standard fertility program can:

Improve Soil Organic Matter (Citrus)

Organic Matter (%)		% Increase
Control	Treated	
1.8	2.2	22.2

* 2 gl BorrePlex OA applied via drip

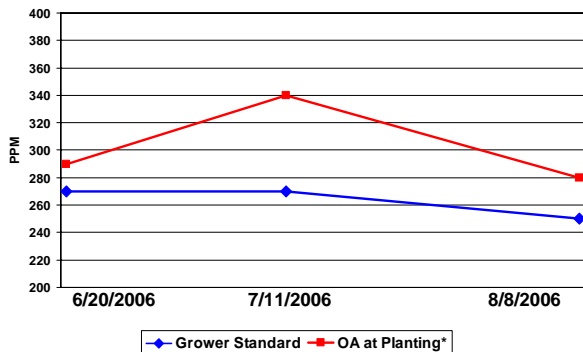
Reduce Soluble Salts

Soil Sample Depth (inches)	Sodium Level (lbs/acre)			
	Sample site # 1		Sample site # 2	
	Untreated	Treated	Untreated	Treated
6	94	95	64	79
12	198	100	137	108
24	328	156	223	118

Soil samples taken from a vineyard treated with **BorrePlex OA** in the Salinas valley, CA. Analyzed by Kinsey Agricultural Services Inc.

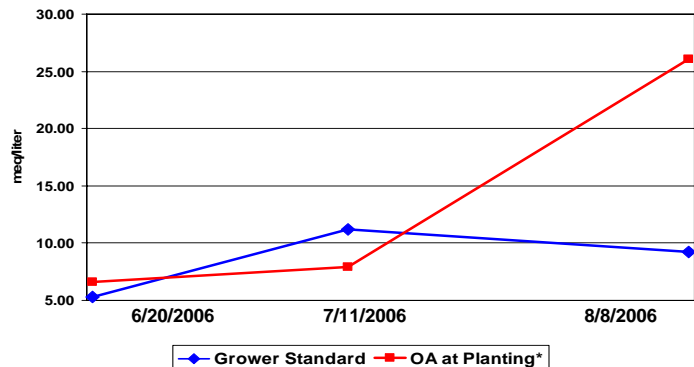
Increase Cation Exchange Capacity

BorrePlex OA Trial on Tomatoes in Ventura County, California
2006 Season – Exchangeable Soil Potassium



* Applied 1 gl/acre on 5/8/06

BorrePlex OA Trial on Tomatoes in Ventura County, California
2006 Season – Soluble Soil Calcium

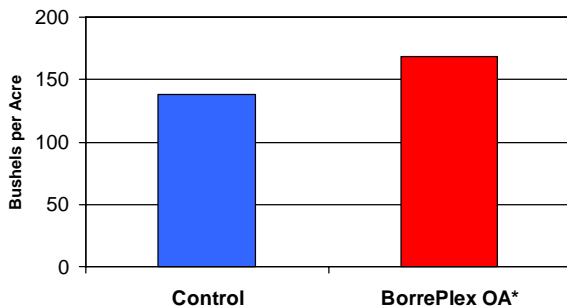


* Applied 1 gl/acre on 5/8/06

Increase Crop Production

USDA Corn Trial

Corn Yields when Treated with BorrePlex OA



* Applied 2/3 gl planting + 1 gl 30 DAP

Trial conducted by the USDA, Texas, 2005

BorrePlex OA – Tomato Yield

Marketable Fruit

