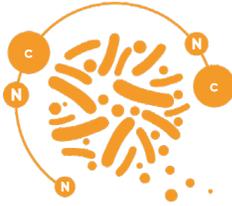


HUMISTART PHEOFLORE



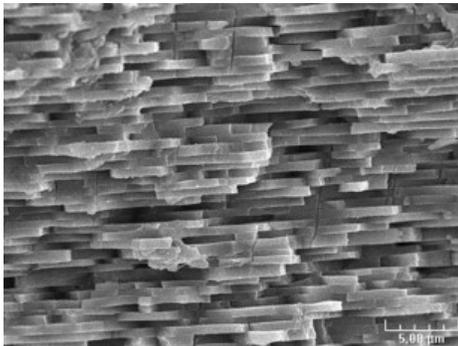
Premium Granular Fertilizer

TECHNOLOGY ENHANCED SOIL CONDITIONER

HUMISTART® is a highly soluble granular soil conditioner, featuring our patented Calcimer and Pheoflore technologies. It supplies labile forms of calcium, sulfur, magnesium, and trace amounts of boron, iron, and zinc, and stimulates soil microbes.

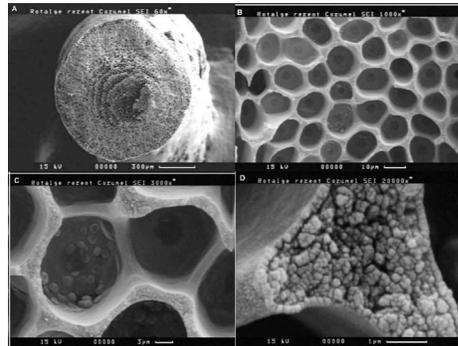
Calcimer is a porous marine calcium carbonate that improves soil structure and provides trace minerals with enhanced solubility and reactivity. Calcimer is a source of calcium that is more soluble than other forms of agricultural lime.

The Pheoflore Complex stimulates soil microbes and improves soil biological health and nutrient availability through mineralization.



Traditional Calcium Carbonate Lime

VS.



CALCIMER

Marine calcium, or Calcimer, within HUMISTART offers a unique honeycomb microstructure that promotes microbial activity. The highly permeable nature of its structure ensures high solubility. Calcimer helps reduce compaction in the soil, which leads to better drainage and more porous soil structure which results in better root development and nutrient absorption.

RATE & TARGET USE:

A rate of 50–200 lbs/ac is appropriate for most crops. Tree fruit and vegetables benefit from rates of 200–400 lbs/ac to increase calcium. Works well on soils with more than 2% organic matter, no-till operations, and fields with heavy manure use. Apply alone or blend with fertilizer, especially if soil pH is 6.5–7.0 to maintain neutrality.

ANALYSIS:

Nitrogen.....	4%
4% Ammoniacal Nitrogen	
Calcium (Ca).....	23%
Magnesium (Mg)	0.5%
Sulfur (S)	5%
Boron (B)	0.15%
Iron (Fe)	0.1%
Zinc (Zn)	0.25%
Derived from: marine calcium carbonate, ammonium sulfate, zinc oxide, calcium borate	



EARLY SUCCESS

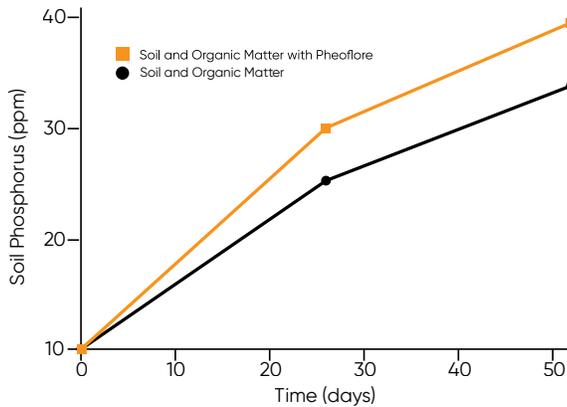


SOIL FUNCTION

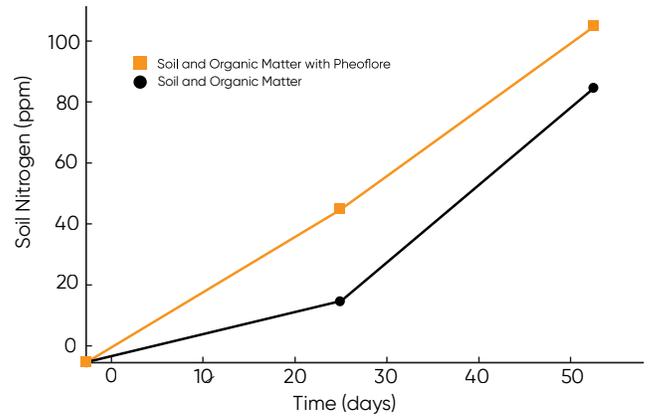


NUTRIENT EFFICIENCY

Pheoflore Effects on Soil Phosphorus Availability

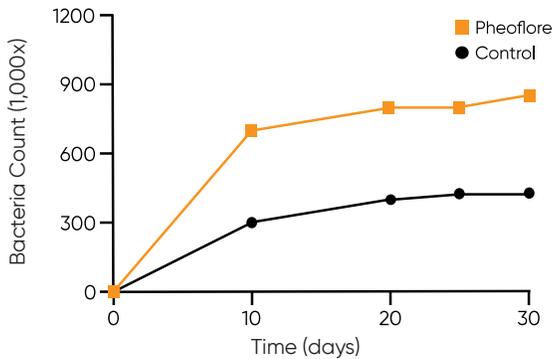


Pheoflore Effects on Soil Nitrogen Availability

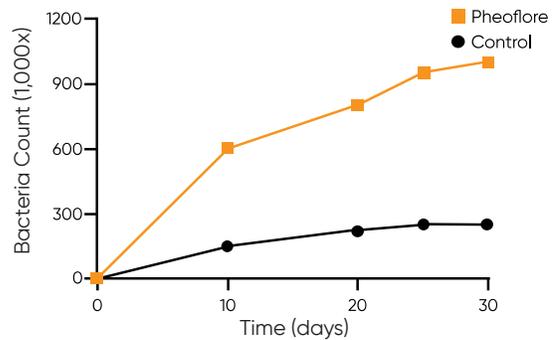


Pheoflore supports soil microorganism activity associated with greater release of N and P

Pheoflore Effects on Proteolytic Bacteria Growth

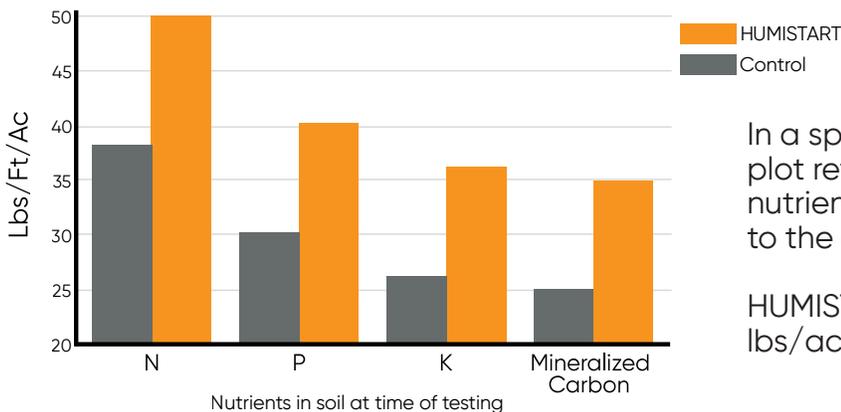


Pheoflore Effects on Cellulytic Bacteria Growth



Pheoflore improves the activity of cellulolytic and proteolytic bacteria, microorganisms responsible for digesting soil organic matter and crop residues, improving nutrient availability.

Mid-Season Soil Mineral Analysis



In a split-field research trial, the HUMISTART plot retained, on average, 35% more nutrients in a mid-season soil test compared to the control.

HUMISTART was applied pre-plant at 400 lbs/ac on a silt-sand soil, with a pH of 7.