



BIO-ORGANIC CATALYST
THE POWER IN NATURE®

PHYTO-CAT™
PHYTO-CATALYST™

BIO-CATALYTIC WATER & SOIL CONDITIONER



Phyto-Cat™ is a bio-catalytic water and soil conditioner that provides superior cleaning of slime and mineral fouling in irrigation lines and emitters, and enhances soil microbiology.

Phyto-Cat™ improves the solubility of nutrients so they can be utilized by roots in a more efficient manner, producing greater root growth.

Phyto-Cat™ allows enhanced water percolation and moisture retention within soils.

Phyto-Cat™ offers excellent bio-dispersant performance for applications in treatments of plant diseases and insect control.

Phyto-Cat™ attributes include:

- Maintains irrigation lines and emitters.
- Promotes aerobic soil conditions and soil microbiology.
- Improves moisture penetration and retention.
- Enhances the bioavailability of nutrients.
- Improves root growth.
- Enhances water uptake.

Phyto-Cat™ offers a breakthrough ecological agricultural technology with benefits to plant and soil health, by improving water quality.

Phyto-Cat™ can be used for a maintenance clean-out of drip lines and emitters at a dosage rate of 1 liter (34 oz.) per acre.

Phyto-Cat™ can also be used periodically during the growing season concurrently with fertilizer use to maintain clean lines and emitters.

Phyto-Cat™ can be used on a periodic basis in enhancing soil conditions for allowing improved nutrient and water uptake in ranges from 1:400 up to 1:1,000 depending upon crop and soil conditions.

Phyto-Cat™ can be utilized as a bio-dispersant in foliar applications at dilutions of 1: 2,500, or higher.

PRODUCT SPECIFICATIONS

Phyto-Cat™ is non-toxic, non-caustic, and safe to handle, with a recommended shelf life of two years. May be stored with confidence at temperatures below 122°F/50°C.

CONTENTS

Water, highly purified bio-organic catalysts from plant and mineral sources, non-ionic surfactants.

CAUTION

Keep out of the reach of children. If product from this container splashes in eyes, rinse well with water.

Information on Basic Physical and Chemical Properties

Appearance	Liquid
Physical State	Colorless - pale amber
Color	Mild
Odor	Full Strength Concentrate 3.9 – 4.3
pH	At recommended use dilutions, pH ranges 6.3 to 6.9
Freezing Point	See Pour Point
Boiling Point (760 mmHg)	> 100 °C at 760 mmHg Calculated
Flash Point	ASTM D 93 Closed Cup >93oC
Density (water = 1)	1.002 @ 20°C / 20°C
Water Solubility	100% in water
Kinematic Viscosity	@ 40oC 2.3373 cst
Pour Point	2.22°C or (+28°F)

Environmental fate: Persistence and Degradability:

The material is readily biodegradable. Passes OECD test(s) for ready biodegradability.



SEAL OF SAFETY

The Bio-Organic Seal of Safety is our commitment to offering the highest bio-aquatic safety on the market today.

PHYTO-CAT™

MANUFACTURED IN THE USA UNDER
DOMESTIC AND INTERNATIONAL PATENTS

bio-organic.com