

Phyto-Cat is a bio-catalytic water conditioner that provides superior cleaning of the slimes, biofilms and mineral deposits that foul irrigation lines and emitters. Phyto-Cat is engineered to immediately oxidize and dissolve mineral scaling and biofilms. Phyto-Cat is not acid or alkaline and will not affect the PH of the soil. Phyto-Cat is completely safe to handle and saturates water with dissolved oxygen which supports healthy aerobic microbial activity in the soil.

To get the most benefit from the Phyto-Cat treatment always inject Phyto-Cat upstream of any filtration system. Phyto-Cat will clean filtration systems as well as the irrigation lines. You can plan to use about one gallon per acre per year to clean and maintain a drip irrigation or micro-irrigation system.

Continuous Dosing Treatment Program

Continuos Dosing Shock Treatment

Applying Phyto-Cat using a continuos dosing pump such as an <u>LMI Chemical Metering Pump</u> At the beginning of the season or when irrigation lines are experiencing reduced water flow or there is visible algae or biofilm build-up. Irrigate normally until water has reached the furthest point of your irrigation set. Begin dosing at approximately 63 ML/min until 1 quart of Phyto-Cat per acre has been injected. End the water irrigation as soon as the Phyto-Cat has been injected so that Phyto-Cat is still in the system and it will continue to degrade biofilms and breakdown mineral scales and deposits after the irrigation is over.

Maintenance Treatment

After the initial shock treatment, three quarts (or three litres) of Phyto-Cat per acre should be micro-dosed into the system throughout the irrigation season. Connect a container of Phyto-Cat via continuous dosing pum to your irrigation system upstream of any filtration. Supply 3 quarts of Phyto-Cat per acre and according to your estimated irrigation water use for the year, set the pump rate so that the 3 quarts will be consumed by the end of the season. Many continuous dosing pumps can also be wired to turn on automatically when irrigation is started. Phyto-Cat can be injected at 1:250,000 (ie. 1 gallon of Phyto-Cat per 250,000 gallons) depending on water and soil conditions and irrigation usage.

Manual Injection Treatment Program

Manual Injection Shock Treatment

If a continuous dosing pump is not available mix Phyto-Cat with water prior to injection so that the quart can be injected gradually over the entire irrigation and the water is aerated while containing Phyto-Cat. Phyto-Cat can be injected either centrally or in the field at an individual irrigation set using equiptment such as a <u>Maezzi</u> <u>Injector</u> or a <u>Solution Master</u>. If you are mixing mechanically outside of the irrigation system we recommend using a foam suppressing agent such as <u>Miller Foam Fighter</u> at 4 oz./100 gallons of water.

Manual Injection Maintenance Treatment

Inject 3 quarts of Phyto-Cat per acre in equal increments every two to four weeks during the irrigation season with an amount of Phyto-Cat. Three quarts equals 6 treatments of 16 ounces per acre, or 12 treatments of 8 ounces per acre.

PHYTO-CATTM MANUFACTURED IN THE USA UNDER DOMESTIC AND INTERNATIONAL PATENTS





Seal of Safety

The Bio-Organic Seal of Safety is our commitment to offering the highest bio-aquatic safety on the market today. Our products are not only completely safe and non-toxic, but offer a new model for green chemistry that improves the ecological health of ecosystems.