BIO-ORGANIC CATALYST
THE POWER IN NATURE®

PHYTO-C_3™
Irrigation Cleaning Program

DOSING GUIDELINES

When applying Phyto-C_3™ for the first time on an irrigation system that is not completely clean, a thorough clean-out treatment should be applied. After an irrigation system is completely clean, the best and easiest way to maintain a clean system is with a continuous low dose in all the irrigation water applied.

For maintaining a clean system, a gallon of Phyto-C_3™ treatment per acre, per year, will keep an irrigation system completely clean. Whenever possible Phyto-C_3™ should be injected into the irrigation system "up stream" of any filters so the filters will also be kept clean as well. Phyto-C_3™ can be safely applied with any fertigant or nutrient application. By infusing the irrigation water with oxygen the Phyto-C_3™ will make any fertilizer more effective.

APPLYING A CLEAN OUT TREATMENT

Phyto-C_3™ can be applied to the irrigation system at any time of the year.

1. Prepare to treat with one quart per acre of Phyto-C_3™ into irrigation water over a 4 to 8 hour clean-out period. If you do not have a microdosing pump available, you may use a Solution Master or Mazzei injector.
2. Before starting the treatment make sure the system is full of plain irrigation water.
3. Begin irrigation with Phyto-C_3™ until the entire system is full of the treatment. This should take no more than a few minutes. There will be some slight foaming visible at the emitters indicating that the system is full of the Phyto-C_3™ treatment. When you see foaming throughout the system, stop the treatment and let the treatment rest in the system overnight or for at least several hours. This marination will soften and breakdown of clogging and mineral deposits. It is recommended to marinate the system overnight in order to soften up the deposits.
4. After the marination period, continue the treatment using the entire dose of one quart per acre.
5. At the end of the cleaning session, open up the irrigation tube ends and flush out the system as you would normally. You will observe an unusual amount of sludge flush out of the system. You may never need to flush out the system again.

APPLYING A MAINTENANCE TREATMENT

After a system is clean, a maintenance dose of a gallon per acre per year will keep the system clean. It is prefer-able to use a dedicated dosing pump wired so it turns on with the irrigation pumps. Appropriate maintenance dosing will vary from 1 to 10 parts per million, depending on the crop and the level of nutrients and biology in the water. In vineyards we recommend a maintenance dose of 2ppm to 3 ppm.In greenhouses, where there is usually a much higher level of nutrients, a dose of 10ppm may be needed. If a dedicated microdosing pump is not used, a system can be cleaned with 4 (one quart) clean-out treatments per season.