

LinePurge Irrigation Treatment

Formulation: 100

Liquid Agricultural Water Treatment

Applications Include:

Drip Irrigation	Nurseries
Microjet Irrigation	Greenhouses



Product Description:

LinePurge is a specialized blend of monocarbamide dihydrogensulfate, maleic homopolymers, and specific stabilizers manufactured to effectively, and more importantly safely, lower the pH and alkalinity of water in agricultural irrigation systems. The purpose of LinePurge is to eliminate existing mineral deposits from drip line emitters, improve water penetration of high pH soils thereby improving soil quality, and to increase fertilizer performance. LinePurge is a safer and more ecologically friendly alternative to sulfamic, phosphoric, sulfuric, acetic acid and others typically used for clearing out mineral deposits. LinePurge is best used as an initial cleansing treatment that should be injected at the end of an irrigation cycle and left to dissolve the mineral deposits over a period of time until the new cycle restarts. The effective dosage rate for LinePurge is generally determined by titration of the irrigation water to a pH of approximately 2 and then fed at that concentration. Typical injection rate for most systems is 1:2000 and is an economic solution when considering that the treatment is a one or two time feed at the last hour or so of an irrigation cycle. Once the drip irrigation is cleaned of deposits, the system is flushed thoroughly and a maintenance dosage of LineClear at a 1:100,000 rate will keep new deposits from forming.

LinePurge has very low BOD (biochemical oxygen demand)/COD (chemical oxygen demand) values when compared to other acids. LinePurge is essential odorless - unlike most acids that have very offensive smell. But best of all - there are no mandatory governmental regulations that you must adhere to or forms required to fill out with the use of this product. LinePurge has the strength of sulfuric acid but is much less harmful to the touch. However, good safety practices are a must with any chemical additive but in comparison, LinePurge is harmless in comparison to other acids.

Chemical Properties:

Composition	Liquid
Appearance	Clean, clear amber color
Bulk Density	10.90 lbs./gal
pH of 1% solution	< 1.0
Specific gravity	1.31
DOT shipping name	UN1760, Corrosive Liquid, Acidic, Organic, n.o.s., 8 PGIII

Application and Dosage:

LinePurge is applied to the water system by use of a chemical injector pump or peristaltic pump. Typical treatment dosage range to lower alkalinity and pH is from 1:1500 to 1:2000 and is injected at the end of an irrigation cycle. Consider our LineClear as an ongoing maintenance treatment to prevent new mineral deposits from developing. LineClear treatment dosage is typically fed at a rate of 1:100,000 and is an extremely stable sequestering agent over a wide range of temperatures.

For more complete information on properties and safe handling of this material, see the SPER Chemical Material Safety Data Sheet [MSDS].

NOTICE

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