


# NIAM IRRIGATION ACID

Niam Irrigation Acid is a specially formulated blend of organic acids derived from natural sources, designed for use in irrigation systems. This product is completely safe and non-corrosive, making it ideal for drip irrigation and foliar application systems. It effectively removes mineral deposits from emitters and lines without damaging equipment. Unlike mineral acids, Niam Irrigation Acid significantly lowers soil pH without increasing soil or water salinity (EC). It enhances the solubility and availability of key micronutrients such as iron (Fe), zinc (Zn), manganese (Mn), copper (Cu) as well as potassium, ammonium, nitrate, and phosphorus in the soil.



Manufactured in Iran 

## BENEFITS OF USING NIAM IRRIGATION ACID

- Easy and safe to apply
- Effectively reduces and stabilizes soil pH, improving nutrient availability
- Does not raise EC, unlike mineral or synthetic acids
- Removes scale and deposits in drip irrigation systems
- Enhances nutrient uptake through natural chelating activity
- Boosts beneficial microbial activity in the soil
- Preserves and enriches soil organic matter
- Reduces heavy metal toxicity in soil
- Improves water quality by removing bicarbonates from irrigation water
- Long-term improvement of soil's chemical and biological balance

## DOSAGE AND APPLICATION TIMING

Crop Type	Application Rate	Frequency
Field Crops	20 liters per hectare	Once per season or divided into multiple applications
Orchards	40 liters per hectare	Several applications throughout the season
Greenhouses	2 liters per 1,000 m <sup>2</sup>	3 times during the growing season

The above doses represent the minimum effective application rates. Due to its entirely natural and plant-based composition, higher application rates will not lower the soil pH beyond the optimal range and may further enhance soil structure and nutrient availability.

