

NIAM HERBAL ACID

Niam Plant Acid is a mixture of low molecular weight organic acids that share part of a similar chemical structure. This common part includes a hydroxyl group located on the alpha carbon. By reducing the pH level of water, Niam Plant Acid enhances the effectiveness of pesticides and is recognized as an adjuvant.

Pesticide adjuvants are substances that improve the efficiency of pesticide sprays by reducing surface tension and lowering pH levels. This leads to better mixing of pesticides with water, more effective spraying, and improved coverage of fine droplets on the plant surface. When used in irrigation water, this acid also increases the solubility of micronutrients (iron, zinc, copper, and manganese) and phosphorus, making them more available to plants. In addition to lowering pH, organic acids also act as chelating agents, enhancing nutrient uptake. Other positive effects include stimulating soil microorganisms and promoting root growth when applied through irrigation systems.



Benefits of Niam Plant Acid:

- Easy and safe to use
- Enhances pesticide efficacy by lowering pH to an optimal range and increasing surface tension
- Provides long-lasting stability on plant leaves
- Increases the rate and efficiency of micronutrient uptake due to chelating properties
- Acts as an effective agent for adjusting soil and water pH
- Helps regulate and slightly reduce water electrical conductivity (EC)
- Removes bicarbonates from irrigation water

Application Method:

Add 250 ml of Niam Plant Acid to 1,000 liters of water in a spray tank and stir thoroughly until fully mixed. This will reduce the tank water pH by approximately 1 unit. Afterward, add the desired pesticide or agrochemical to the tank.

Alternatively, this solution can be added directly to water reservoirs or irrigation tanks to improve water quality, lower pH, and eliminate bicarbonates, which in turn increases the bioavailability of micronutrients, potassium, and phosphorus contributing to better plant growth and higher yields.

