



pH Reducer

F000106

Soil Amendment

GUARANTEED ANALYSIS:

Also Contains Non-Plant Food Ingredients

50%	Citric Acid
50%	Inert Ingredients
pH	1.5
Weight per gallon	9.5 lbs.

PRODUCT DESCRIPTION:

pH Reducer is a safe alternative to phosphoric and sulfuric acids for lowering soil and soilless media pH into a more acidic range. Citric Acid solution is manufactured from food grade citric acid and can be used to neutralize or acidify soils & improve micronutrient uptake.

EQUIPMENT & TANK CLEANING:

Mixing: pH Reducer is acidic. It must first be diluted with water prior to mixing with other nutrients or technical materials. pH reducer should not be added as concentrate to highly alkaline materials. Hard and alkaline water sources will leave residues and mineral build up on tanks, lines and irrigation heads. Alleviate this by flushing tanks and lines with a solution of 1 gallon citric acid to 100 gallons of water. Follow by flushing with water to rinse out lines, to clean out drip irrigation systems.

APPLICATION RECOMMENDATIONS:

pH Reducer needs no mixing or agitation and will not settle out of solution. When using a variable proportioner, it can be siphoned directly out of its original container. Growth Products solutions are ideal for any type of fertigation systems.

Use pH Reducer with all types of: Bedding Plants, Perennials, Cut Flowers, Plugs, Woody Ornamentals, Nursery Crops, Trees, Foliage Plants and Container Plants.

ADJUSTING MEDIA PH:

Begin by mixing 4 fl oz pH Reducer with one gallon water (100 PPM rate) and moisten a sample of growing media. Let stand 24 hours and take pH reading. Adjust rate of pH Reducer accordingly. Do not exceed 6 fl oz pH Reducer (150 PPM) per gallon per irrigation. Instead adjust media pH, with 2-4 oz pH reducer over several waterings.

Application Rates		
Application	Rate	Frequency / Notes
Warm & Cool Season Turf Applications	2-6 fl oz in a minimum of 2 gal water per 1,000 ft ² (60-177 ml per 100 m ²)	Apply Monthly. Ideal pH Range 6 - 6.5
Trees & Ornamentals	Soil Drench: 1 quart per 100 gal. of tank mix (1 L per 400 L water)	Repeat the application every 30 days or as needed. Ideal pH Range 5 - 6.5
Greenhouse Growing Media	100 - 150 ppm rate Initial Application: Mix 4 - 6 fl oz per 1 gal. water (118 - 177 ml per 4 L water)	If pH is not sufficiently lowered, continue to adjust pH over several waterings, at a rate of 2-4 fl oz per gal water. (60 - 118 ml per 4L water)
Hand Watering	Mix ½ - ¾ teaspoon pH Reducer per gallon water	Saturate soil with solution.