



Drilling Fluids, Inc.

HYDRONIUM ACID

- 100% Synthetic Acid
- Safe on Eyes & Skin
- 100% Acid/VOC Free
- Non-D.O.T Regulated
- 100% Biodegradable
- Non-Fuming
- Safe for all irrigation systems
- Broad spectrum control of bacteria, algae, and slimes.



PRINCIPAL FUNCTIONING AGENTS

Calcium Hydrogen Sulfate.....	0.3
CAS# - N/A	
H904.....	55%
CAS# - 12501-73-4	
Hydronium.....	15%
CAS# - 13968-08-6	
Inert Ingredients.....	29.7%

*All ingredients are exempt from requirements of tolerance in 40 CFR 180

GEO Drilling Fluids, Inc.

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GEO Hydronium Acid

**Safe low pH Adjuvant/Soil Amendment*

Until now, the AG industry has been forced to use dangerous acids and caustics to dissolve calcium carbonate, remove scale and biofilms, combat bacterial growth, and adjust pH.

GEO Hydronium Acid offers farmers and growers a product that has been proven effective through testing in the replacement of dangerous acids, caustics, and water treatment chemicals. This is particularly true against sulfuric acid.

Hydronium Acid is very cost competitive with other leading treatment chemicals, such as Sulfuric Acid.

Hydronium Acid is safe and suitable for pH adjustment of foliar sprays, cleaning mineral from irrigation lines and water wells, soil treatment to reduce lime and bicarbonates. Hydronium is safe to use on all plastics, metal and equipment except galvanized [zinc]. Flush with water to insure no damage to pot metal or zinc infused metals.

Directions for Use: Always charge irrigation system prior to injection of Hydronium Acid to assure even distribution.

Irrigation Line Cleaning: Inject 2-3 gallons of Hydronium Acid per acre. Higher rates for heavier mineral deposits. Shut down system and let stand overnight.

Irrigation lines with large mineral deposits might need to be flushed at the end to expel debris.

Lines can be maintained with one gallon per acre per month application. Continuous treatments will prevent calcium carbonate scale and iron carbonate scale.

Soil Treatment for pH Reduction: Inject or ground apply 2-5 gallons per acre. Amount depends on amount of free lime content and desired pH correction.

Foliar pH Adjustment: Hydronium Acid is low reactive, but strong pH adjuvant. It's best to jar test the final spray tank mix. In a 500 gallon tank it may take as little as a pint up to 1 gallon depending upon the quality on the water to buffer to the proper pH.

Water Well Treatment: When bringing water wells online or working-over an existing well, Hydronium Acid treatment will help eliminate carbonate scales and bacteria, such as Iron Reducing & Sulfate Reducing bacteria's, that form in the well.

Water treated with Hydronium Acid is extremely effective in well washing and scrapping operations.

Hydronium Acid will help the life span and quality of your water well.

