Hi-Sulfur Special

23-8-16 PLUS TRACE ELEMENTS

Nutriculture Hi-Sulfur Special 23-8-16+ is designed to temporarily overcome nutrient starvation caused by high pH until more corrective measures can be taken in the soil. This formula will reduce the pH of the water solution and have an acidifying effect when applied to alkaline or high pH soils. Repeat applications as frequently as every 5 to 10 days if required. May be applied in solution by a proportioner through sprinkler systems, by irrigation or any conventional ground rig, and may be applied in combination with most insecticides, herbicides and fungicides. Avoid applications during peak sunlight hours. Increase the amount of water used to dilute the fertilizer when soil moisture is low. Increase concentrations when soil moisture is high. Use caution when concentration is 1 lb. or more per 5 gallons of water. For free Spoon-Feeding recommendations guide call 800-524-7031.

For Continuous Liquid Feeding

GUARANTEED ANALYSIS

Total Nitrogen (N)	23%
6.30% Ammoniacal Nitrogen	
4.68% Nitrate Nitrogen	
12.02% Urea Nitrogen	
Available Phosphate (P_2O_5)	8%
Soluble Potash (K_2O)	16%
Magnesium (Mg)	0.02%
0.02% Water Soluble Magnesium (Mg)	
Sulfur (S)	5.39%
5.39% Combined Sulfur (S)	
Boron (B)	0.02%
Copper (Cu)	0.05%
0.05% Chelated Copper (Cu)	
Iron (Fe)	0.10%
0.10% Chelated Iron (Fe)	
Manganese (Mn)	0.05%
0.05% Chelated Manganese (Mn)	
Molybdenum (Mo)	0.0009%
Zinc (Zn)	0.05%
0.05% Chelated Zinc (Zn)	

Derived from Ammonium Sulfate, Monoammonium Phosphate, Potassium Nitrate, Magnesium Sulfate, Urea, Borax, Sodium Molybdate, and the EDTA form of Copper, Iron, Manganese and Zinc.

Potential acidity equivalent to 900.65 lbs. Calcium Carbonate per ton.

Information regarding the contents and levels of metals in this product is available on the internet at http://www.aapfco.org/metals.htm F593 071014

Turf Spoon Feeding application rates to achieve desired "N" per given area.
Apply weekly or up to twenty days apart in a convenient amount of water for even coverage. Adjust rate to get desired results.

Desired Pounds of Nitrogen per 1000 square ft	**1/10**	**1/8**	**1/4**	**1/2**	**1**
Fertilizer required in ounces per thousand sqft	6.96	8.7	17.39	34.78	69.57
Pounds required per acre	18.95	23.69	47.34	94.69	189.4

Desired Grams of Nitrogen per square meter	**0.49**	**0.61**	**1.22**	**2.44**	**4.88**
Fertilizer required in Grams	2.1	2.7	5.3	10.6	21.2
Kilograms required per hectare	21	27	53	106	212
Fertilizer required in Kilograms per 500 sq. meter	1.05	1.35	2.65	5.3	10.6

MIXING RATE FOR VARIOUS PPM NITROGEN

Parts Per Million		50	100	150	200	300	400
		Ounces of Fertilizer Required per Gallon of Concentrate					
Injector Ratios	1:15	0.43	0.87	1.30	1.74	2.61	3.48
	1:50	1.45	2.90	4.35	5.79	8.69	11.59
	1:100	2.90	5.79	8.69	11.59	17.38	23.18
	1:200	5.79	11.59	17.38	23.18	34.77	46.36
	1:300	8.69	17.38	26.08	34.77	52.15	*

*Maximum solubility approx. 3 lbs 12 ozs. per gallon.

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