



High Sulfur Turf Special 23-8-16 PLUS

- **Helps control high pH in soils**
- **Increases soil acidity**
- **Promotes increased root development**
- **Maintains dark green color**

This Nutriculture Plus fertilizer was formulated for turf and designed to overcome nutrient starvation caused by high pH. Ideal for Spoon-feeding problem areas High Sulfur Turf 23-8-16 PLUS contains over 4% sulfur and has a complete blend of chelated micro nutrients. With a high potential acidity, it will buffer the water solution it is applied in, and have an acidifying effect when applied to alkaline or high pH soils. This will make the

nutrients in the soil which were ordinarily tied up more readily available. iron, copper, manganese and zinc are especially susceptible to tie up with high pH.

Although, the acidifying action in the soil is temporary, these formulas can provide immediate relief to nutrient starved turf both by foliar penetration of leaf surface and by acidifying action in the soil which releases additional nutrients. Results can be seen in a matter of days. This allows time for more permanent corrective action.

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.

Using 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.

Guaranteed Analysis (For continuous liquid feeding)

23-8-16+	Percent	Lbs/Ton	Concentration at
Total Nitrogen (N)	23%	460	200 PPM as N
6.25% Ammoniacal Nitrogen			
5.19% Nitrate Nitrogen			
11.56% Urea Nitrogen			
Available Phosphate (P ₂ O ₅)	8%	160	70 PPM as P ₂ O ₅
Soluble Potash (K ₂ O)	16%	320	139 PPM as K ₂ O
Magnesium (Mg)	0.02%	0.4	0.17 PPM as Mg
0.02% Water Soluble Magnesium (Mg)			
Sulfur (S)	5.30%	108	46.9 PPM as S
Boron (B)	0.02%	0.4	0.17 PPM as B
Copper (Cu)	0.05%	1.0	0.43 PPM as Cu
0.05% Chelated Copper (Cu)			
Iron (Fe)	0.10%	2.08	0.9 PPM as Fe
0.10% Chelated Iron (Fe)			
Manganese (Mn)	0.05%	1.0	0.43 PPM as Mn
0.05% Chelated Manganese (Mn)			
Molybdenum (Mo)	0.0009%	0.018	0.01 PPM as Mo
Zinc (Zn)	0.05%	1.0	0.43 PPM as Zn
0.05% Chelated Zinc (Zn)			

Derived from Ammonium Sulfate, Ammonium Phosphate, Potassium Nitrate, Urea, Magnesium Sulfate, Boric Acid, Sodium Molybdate, and the EDTA form of Copper, Iron, Manganese and Zinc. CAUTION: This fertilizer is to be used on soils which respond to molybdenum. Crops high in molybdenum are toxic to grazing animals. Potential acidity equivalent to 900 lbs. Calcium Carbonate per ton.

TURF RATES PER SQUARE FOOT

Desired Pounds of Nitrogen per 1000 square feet	1/10	1/8	1/4	1/2	1
Fertilizer required in ounces	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



Laboratories, Inc.
 371 East 16th Street
 Chicago Heights, IL 60411
www.plantmarvel.com
 Fax 708-757-5924
 Phone 800-524-7031