

K-Mag

- **Promotes Stiff Stems and sturdy leaf growth**
- **High Nitrate N**
- **Provides Magnesium**
- **Helps prevent tip burn**

This high potash formula is ideal for overcoming potash deficiency or for building up hardiness and fibrous qualities of stems and leaves. 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. TURF: 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. Apply every week to ten days at the rate of 1 lb.

(1/8 lb. of actual N) per 1000 sq. ft. of area, dissolved in approximately 10 to 20 gallons of water. For free Spoon-Feeding recommendations guide for use on Turf call your Plant Marvel distributor.

MIXING RATE FOR 200 PPM NITROGEN

HOSE END SPRAYER: 1:15 ratio-Premix 2.67 oz. per gallon.

TANK: 4.5 oz. per 25 gallons

PROPORTIONER: 1:100 ratio use 17.77 oz. per gal. of concentrate.

OTHER RATIOS: Multiply ratio times ounces divided by 100.

OTHER PPM: Multiply desired PPM times ounces divided by 100. Increase or decrease PPM according to crop response.

Guaranteed Analysis (For continuous liquid feeding)			
15-5-30+	Percent	Lbs/Ton	Concentration at
Total Nitrogen (N)	15%	300	200 PPM as N
2.82% Ammoniacal Nitrogen			
12.18% Nitrate Nitrogen			
Available Phosphate (P ₂ O ₅)	5%	100	67 PPM as P ₂ O ₅
Soluble Potash (K ₂ O)	30%	600	400 PPM as K ₂ O
Magnesium (Mg).....	1.26%	25	16 PPM as Mg
Iron (Fe).....	0.10%	2.0	1.33 PPM as Fe
0.10% Chelated Iron (Fe)			
Total Manganese (Mn)	0.05%	1.0	0.67 PPM Mn
0.05% Chelated Manganese (Mn)			
Molybdenum (Mo)	0.0005%	0.01	0.01 PPM as Mo
Zinc (Zn)	0.03%	0.62	0.41 PPM as Zn
0.03% Chelated Zinc (Zn)			

Derived from Ammonium Nitrate, Potassium Nitrate, Potassium Phosphate, Magnesium Nitrate, Sodium Molybdate, and the EDTA form of Iron, Manganese and Zinc. Potential basicity equivalent to 72 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	10.67	13.33	26.67	53.33	106.67
Pounds required per acre	29.05	36.29	72.61	145.19	290.41
Desired Grams of Nitrogen per square meter	0.49	0.61	1.22	2.44	4.88
Fertilizer required in Grams	3.3	4.1	8.1	16.3	32.6
Kilograms required per hectare	33	41	81	163	326
Fertilizer required in Kilograms per 500 sq. meter	1.65	2.05	4.05	8.15	16.3

NITROGEN PARTS PER MILLION CHART

Parts per Million	50	100	150	200	300	400
Injector Ratios	Ounces required per gal of concentrate					
1:15	.67	1.33	2.0	2.67	4.0	5.33
1:50	2.22	4.45	6.67	8.89	13.33	17.77
1:100	4.44	8.89	13.33	17.77	26.66	35.54
1:200	8.88	17.78	26.66	35.54	53.31	*
1:300	13.32	26.67	39.99	53.31	*	*

EC (+ - 10%) mmhos/cm 368 .73 1.11 1.47 2.21 2.95

*Maximum solubility approx. 60 oz. per gallon



Laboratories, Inc.
 371 East 16 th Street
 Chicago Heights, IL 60411
 www.plantmarvel.com
 Fax 708-757-5224
 Phone 800-524-7031