



Bermuda Special 25-5-20 PLUS

- **Balanced to offset excess phosphate tie up of micro**
- **Prevents phosphate flush in bodies of water**

Bermuda Special's 5-1-4 ratio was specially formulated to replace the nutritive elements removed from the soil by bermuda grasses. Research shows that bermuda grasses remove about 5.5 pounds of nitrogen, 1.5 pounds of phosphorus and 3.5 pounds of potash from each 1,000 square feet of turf on an

annual basis. Spoon-feeding Bermuda Special, at weekly intervals, will replace the N-P-K the grass removes and will promote highest quality turf all season long.

Bermuda Special is recommended for use on tees, approaches and fairways, but its special balance of nutrients works especially well on greens.

Formulated to promote the maximum amount of top growth of good fibrous quality, Bermuda Special permits considerable traffic, close mowing, rapid decomposition of thatch and promotes deep-penetrating root development - for greener turf even under the most severe stress.

Bermuda Special is compatible with most water based fungicide and insecticide sprays and adapts to your regular spray program.

MIXING RATE FOR 200 PPM NITROGEN

HOSE END SPRAYER: 1:15 ratio- Premix 1.6 oz.. per gallon (12 grams per liter).
TANK: 0.11 oz.. per gallon (0.8 gram per liter).

PROPORTIONER: 1:100 ratio use 10.66 oz.. per gal. of concentrate (80 grams per liter). OTHER RATIOS: Multiply ratio times weight divided by 100.

OTHER PPM: Multiply desired PPM times weight divided by 200. Increase or decrease PPM according to response.

Guaranteed Analysis (For continuous liquid feeding)			
25-5-20+	Percent	Lbs/Ton	Concentration at
Total Nitrogen (N)	25%	500	200 PPM as N
2.81% Ammoniacal Nitrogen			
6.04% Nitrate Nitrogen			
16.15% Urea Nitrogen			
Available Phosphate (P ₂ O ₅)	5%	100	40 PPM as P ₂ O ₅
Soluble Potash (K ₂ O)	20%	400	160 PPM as K ₂ O
Magnesium (Mg)	0.05%	1.0	0.4 PPM as Mg
Sulfur (S)	2.00%	41	16.5 PPM as S
2.00% Combined Sulfur (S)			
Boron (B)	0.02%	0.4	0.16 PPM as B
Copper (Cu)	0.05%	1.0	0.4 PPM as Cu
0.05% Water Soluble Copper (Cu)			
Iron (Fe)	0.10%	2.0	0.8 PPM as Fe
0.10% Chelated Iron (Fe)			
Manganese (Mn)	0.05%	1.0	0.4 PPM as Mn
0.05% Water Soluble Manganese (Mn)			
Molybdenum (Mo)	0.0009%	0.018	0.0072 PPM as Mo
Zinc (Zn)	0.05%	1.0	0.4 PPM as Zn
0.05% Water Soluble Zinc (Zn)			

Derived from Ammonium Phosphate, Ammonium Sulfate, Potassium Nitrate, Urea, Magnesium Sulfate, Urea, Borax, Sodium Molybdate, Copper Sulfate, Iron EDTA, Manganese Sulfate and Zinc Sulfate. 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 637 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	6.4	8	16	32	64
Pounds required per acre	17.42	21.78	43.56	87.12	174.24
Desired Grams of Nitrogen per square meter	0.49	0.61	1.22	2.44	4.88
Fertilizer required in grams	2	2.4	4.9	9.8	19.5
Kilograms required per hectare	20	25	49	98	195
Fertilizer required in kilograms per 500 sq. meter	1	1.2	2.45	4.9	9.75

NITROGEN PARTS PER MILLION CHART						
Parts per Million	50	100	150	200	300	400
Injector Ratios	Ounces required per gal of concentrate					
1:15	0.42	0.83	1.25	1.67	2.4	3.2
1:50	1.33	2.67	4.00	5.33	8.00	10.66
1:100	2.67	5.33	8.00	10.66	15.99	21.32
1:200	5.33	10.66	15.99	21.32	31.99	42.65
1:300	8.00	15.99	23.99	31.99	47.98	63.97

EC (+ - 10%) mmhos/cm

*Maximum solubility approx. 60 oz.. per gallon

