

General Purpose

General Purpose 20-20-20^{PLUS} provides over 60% nutrient value in a 1-1-1 ratio which makes it suitable for general use in a wide variety of growing situations. It is widely used on containerized stock in the nursery industry and for greenhouse crops such as foliage plants and bedding plants. For institutional and general landscape maintenance, it is ideal because it works well on turf, trees or shrubs as well as blooming plants and can be used as a single all purpose spray feed. It contains high levels of ammoniacal nitrogen, which makes it an ideal warm weather all purpose feed. It is not recommended for use on poinsettias, gloxinias, Easter lilies, mums, geraniums, and other flowering crops that specifically require a higher nitrate nitrogen ratio. Select a formulation with a higher percentage of nitrate nitrogen such as our 20-10-20 or 17-17-17 or a specific formulation designed for that particular crop.

**MIXING RATE FOR
200 PPM
NITROGEN**

HOSE ENDS PRAYER:
1:15 ratio- Premix 2
oz. per gallon (15
grams per litre).

TANK: 0.13 oz. per gal-
lon (1 gram per litre).

PROPORTIONER:
1:100 ratio use 13.33
oz. per gal. of concen-
trate (100 grams per
litre).

OTHER RATIOS: Mul-
tiply ratio times
weight divided by 100.

OTHER PPM: Multiply
desired PPM times
weight divided by 200.

Increase or decrease
PPMN according to
crop response.

Guaranteed Analysis

(For continuous liquid feeding)

20-20-20+	Percent	Lbs/Ton	Concentration at
Total Nitrogen (N)	20%	400	200 PPM as N
3.87% Ammoniacal Nitrogen			
5.87% Nitrate Nitrogen			
10.26% Urea Nitrogen			
Available Phosphate (P ₂ O ₅)	20%	400	200 PPM as P ₂ O ₅
Soluble Potash (K ₂ O)	20%	400	200 PPM as K ₂ O
Magnesium (Mg)	0.05%	1.0	0.50 PPM as Mg
0.05% Water Soluble Magnesium (Mg)			
Sulfur (S)	0.07%	1.4	0.70 PPM as S
0.07% Combined Sulfur (S)			
Boron (B)	0.02%	0.40	0.20 PPM as B
Copper (Cu)	0.05%	1.00	0.50 PPM as Cu
0.05% Chelated Copper (Cu)			
Iron (Fe)	0.10%	2.00	1.0 PPM as Fe
0.10% Chelated Iron (Fe)			
Manganese (Mn)	0.05%	1.00	0.50 PPM as Mn
0.05% Chelated Manganese (Mn)			
Molybdenum (Mo)	0.0009%	0.018	0.009 PPM as Mo
Zinc (Zn)	0.05%	1.00	0.50 PPM as Zn
0.05% Chelated Zinc (Zn)			
Derived from Ammonium Phosphate, Potassium Nitrate, Magnesium Sulfate, Urea, Borax, Sodium Molybdate, Copper EDTA, Iron EDTA, Manganese EDTA and Zinc EDTA. Potential acidity equivalent to 507 lbs. Calcium Carbonate per ton.			

Nitrogen Parts Per Million Chart

Injector Ratio	Ounces required per Gallon of concentrate			
	100 PPM	150 PPM	200 PPM	300 PPM
1:50	3.33	4.99	6.66	9.99
1:100	6.66	9.99	13.32	19.98
1:150	9.99	14.98	19.98	29.97
1:200	13.33	19.99	26.66	39.99
1:300	19.99	29.98	39.98	59.97

Based on 1/2 gallon per square foot coverage.
Two Tablespoons equals One Ounce (approximately)
One Cup equals One Pound (approximately)

Conductivity of 20-20-20+

using distilled water mixed at:
(allow +/- 10%)

50 PPM Nitrogen =	.21 Millimhos/CM
100 PPM Nitrogen =	.41 Millimhos/CM
150 PPM Nitrogen =	.62 Millimhos/CM
200 PPM Nitrogen =	.82 Millimhos/CM
300 PPM Nitrogen =	1.23 Millimhos/CM
400 PPM Nitrogen =	1.64 Millimhos/CM
500 PPM Nitrogen =	2.05 Millimhos/CM