

Hi-Cal Special

Hi-Cal Special 15-0-15^{PLUS} is a plug growing formula with high nitrate nitrogen, calcium, magnesium, and minor elements, most derived from the sulfate form, and all combined into a totally soluble mix. The trace elements are delicately balanced at levels that have proven to perform well. This formula will work well when phosphate is not a problem or is being supplied separately. Although designed for plug growing, this formula will work equally well on any crop that may be sensitive to ammoniacal nitrogen during low light periods.

Test nutrient levels in both water and growing media prior to use. Suggested use on a constant feed basis is at 100 PPM nitrogen or on an intermittent feed basis 200 PPM nitrogen. Use growth results and nutritional monitoring to adjust this rate.

**MIXING RATE FOR
200 PPM NITROGEN**

HOSE END SPRAYER:

1:15 ratio- Premix
2.67 oz. in 1 gallon
(20 grams per litre).

TANK: 0.18 oz. per
gallon (1.33 grams per
litre).

PROPORTIONER:

1:100 ratio use 17.77
oz. per gal. of concen-
trate (133 grams per
litre).

OTHER RATIOS:

Multiply 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)			
15-0-15+ Hi-Cal Special	Percent	Lbs/Ton	Concentration at 200 PPM
Total Nitrogen (N)	15%	300	200 PPM as N
13% Nitrate Nitrogen			
2% Urea Nitrogen			
Soluble Potash (K ₂ O)	15%	300	200 PPM as K ₂ O
Calcium (Ca)	10.50%	210	140 PPM as Ca
Magnesium (Mg)	0.3%	0.6	0.4 PPM as Mg
Sulfur (S)	0.12%	2.4	1.6 PPM as S
Boron (B)	0.02%	0.40	0.27 PPM as B
Copper (Cu)	0.05%	1.0	0.67 PPM as Cu
0.05% Chelated Copper (Cu)			
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 as Mn
0.05% Chelated Manganese (Mn)			
Molybdenum (Mo)	0.0009%	0.02	0.01 PPM as Mo
Zinc (Zn)	0.05%	1.0	0.67 PPM as Zn
0.05% Chelated Zinc (Zn)			

Derived from Potassium Nitrate, Calcium Nitrate, Magnesium Sulphate, Urea, Borax, Sodium Molybdate and the EDTA form of Copper, Iron, Manganese and Zinc. Potential basicity equivalent to 319 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	4.44	6.66	8.88	13.32
1:100	8.88	13.32	17.76	26.64
1:150	13.32	19.98	26.64	39.96
1:200	17.77	26.65	35.54	53.31
1:300	26.66	39.99	53.32	79.98

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

Conductivity of 15-0-15+ using distilled water mixed at: (allow +/- 10%)	
50 PPM Nitrogen =	.34 Millimhos/CM
100 PPM Nitrogen =	.69 Millimhos/CM
150 PPM Nitrogen =	1.03 Millimhos/CM
200 PPM Nitrogen =	1.38 Millimhos/CM
300 PPM Nitrogen =	2.06 Millimhos/CM
400 PPM Nitrogen =	2.75 Millimhos/CM
500 PPM Nitrogen =	3.44 Millimhos/CM