

Hi-Cal Special

15-0-15 PLUS TRACE ELEMENTS

With 10.5% Calcium

This formula supplies most of its nitrogen in the nitrate form and is an ideal feed for crops responsive to nitrate nitrogen during low light periods and all ammonium sensitive plants. It is also an ideal source of calcium that is immediately available and ideal for overcoming a calcium deficiency. May be applied in solution by 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. To avoid calcium precipitation do not mix with other fertilizers or materials that contain phosphate or sulfur compounds.

For Continuous Liquid Feeding

GUARANTEED ANALYSIS

Total Nitrogen (N)	15%
1.34% Ammoniacal Nitrogen	
13.66% Nitrate Nitrogen	
Soluble Potash (K ₂ O).....	15%
Calcium (Ca).....	10.50%
Magnesium (Mg)	0.38%
0.38% Water Soluble Magnesium (Mg)	
Sulfur (S)	0.12%
Boron (B).....	0.02%
Copper (Cu).....	0.05%
0.05% Chelated Copper (Cu)	
Iron (Fe).....	0.10%
0.10% Chelated Iron (Fe)	
Manganese (Mn)	0.05%
0.05% Chelated Manganese (Mn)	
Molybdenum (Mo).....	0.0009%
Zinc (Zn).....	0.05%
0.05% Chelated Zinc (Zn)	

Derived from Ammonium Nitrate, Potassium Nitrate, Calcium Nitrate, Magnesium Sulfate, Borax, Sodium Molybdate, Copper EDTA, Iron EDTA, Manganese EDTA and Zinc EDTA. Potential basicity equivalent to 330 lbs. Calcium Carbonate per ton.

CAUTION: This product is to be used on crops which respond to molybdenum. Crops high in molybdenum are toxic to grazing animals.

This material is very sensitive to humidity and once opened it should be resealed and stored in a cool dry place.

Information regarding the contents and levels of metals in this product is available on the internet at <http://www.aapfco.org/metals.htm> F593 061714

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. Best results will be obtained by Spoon Feeding smaller amounts more frequently.

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

MIXING RATE FOR VARIOUS PPM NITROGEN

Parts Per Million		50	100	150	200	300	400
Ounces of Fertilizer Required per Gallon of Concentrate							
Injector Ratios	1:15	0.67	1.33	2.00	2.67	4.00	5.33
	1:50	2.22	4.44	6.66	8.89	13.30	17.77
	1:100	4.44	8.89	13.33	17.77	26.66	35.54
	1:200	8.89	17.77	26.66	35.54	53.31	*
	1:300	13.33	26.66	39.98	53.31	*	*
EC (+/- 10%) mmhos/cm		.18	.36	.54	0.72	1.07	1.43

*Maximum solubility approx. 3 lbs 12 ozs. per gallon.



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