

**Plug Special**

Plug Special 14-0-14<sup>PLUS</sup> 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.

**MIXING RATE FOR  
200 PPM NITROGEN  
HOSE END SPRAYER:**

1:15 ratio- Premix  
2.86 oz. in 1 gallon  
(21.43 grams per  
litre).

TANK: 0.19 oz. per  
gallon (1.43 grams per  
litre).

PROPORTIONER:  
1:100 ratio use 19.04  
oz. per gal. of concen-  
trate (143 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.

<b>Guaranteed Analysis</b> (For continuous liquid feeding)			
<b>14-0-14+ Plug Special</b>	<b>Percent</b>	<b>Lbs/Ton</b>	<b>Concentration at 200 PPM</b>
Total Nitrogen (N) .....	14%	280	200 PPM as N
13.05% Nitrate Nitrogen			
0.95% Ammoniacal Nitrogen			
Soluble Potash (K <sub>2</sub> O) .....	14%	280	200 PPM as K <sub>2</sub> O
Calcium (Ca) .....	6%	120	86 PPM as Ca
Magnesium (Mg) .....	3%	60	43 PPM as Mg
Boron (B) .....	0.0017%	0.034	0.024 PPM as B
Copper (Cu) .....	0.0044%	0.08	0.063 PPM as Cu
0.0044% Chelated Copper (Cu)			
Iron (Fe) .....	0.05%	1.00	0.71 PPM as Fe
0.05% Chelated Iron (Fe)			
Total Manganese (Mn) .....	0.003%	0.06	0.04 PPM as Mn
0.003% Chelated Manganese (Mn)			
Molybdenum (Mo) .....	0.0009%	0.198	0.141 PPM as Mo
Zinc (Zn) .....	0.0025%	0.05	0.04 PPM as Zn
0.0025% Chelated Zinc (Zn)			
Derived from Ammonium Nitrate, Potassium Nitrate, Magnesium Nitrate, Calcium Nitrate, Borax, Sodium Molybdate and the EDTA form of Copper, Iron, Manganese, and Zinc. Potential basicity equivalent to 239 lbs. Calcium Carbonate per ton.			

<b>Nitrogen Parts Per Million Chart</b>				
<b>Injector Ratio</b>	<b>Ounces required per Gallon of concentrate</b>			
	<b>100 PPM</b>	<b>150 PPM</b>	<b>200 PPM</b>	<b>300 PPM</b>
<b>1:50</b>	4.76	7.14	9.52	14.28
<b>1:100</b>	9.52	14.28	19.04	28.56
<b>1:150</b>	14.28	21.42	28.56	42.84
<b>1:200</b>	19.04	28.56	38.08	57.12
<b>1:300</b>	28.56	42.84	57.12	85.68
Based on 1/2 gallon per square foot coverage. Two Tablespoons equals One Ounce (approximately) One Cup equals One Pound (approximately)				

<b>Conductivity of 14-0-14+</b> using distilled water mixed at: (allow +/- 10%)	
50 PPM Nitrogen =	.37 Millimhos/CM
100 PPM Nitrogen =	.75 Millimhos/CM
150 PPM Nitrogen =	1.12 Millimhos/CM
200 PPM Nitrogen =	1.50 Millimhos/CM
300 PPM Nitrogen =	2.25 Millimhos/CM
400 PPM Nitrogen =	3.00 Millimhos/CM
500 PPM Nitrogen =	3.75 Millimhos/CM