

# Garden Marvel

Garden Marvel 25-5-20<sup>PLUS</sup> is recommended for soil mixes high in phosphate or where phosphates have been incorporated into the soil. It is an excellent formula for truck gardening in fields that have proven to be already high in phosphorous or for crops that require very little phosphorous at a particular stage of growth. In the greenhouse, 25-5-20 is widely used as an occasional feed on carnations, lilies and even blue hydrangeas.

**MIXING RATE FOR 200 PPM NITROGEN HOSE END SPRAYER:** 1:15 ratio- Premix 1.6 oz. per gallon (12 grams per litre).  
**TANK:** 0.11 oz. per gallon (0.8 gram per litre).  
**PROPORTIONER:** 1:100 ratio use 10.66 oz. per gal. of concentrate (80 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>25-5-20+ Garden Marvel</b>	<b>Percent</b>	<b>Lbs/Ton</b>	<b>Concentration at 200 PPM</b>
Total Nitrogen (N) .....	25%	500	200 PPM as N
2.99% Ammoniacal Nitrogen			
6.09% Nitrate Nitrogen			
15.95% Urea Nitrogen			
Available Phosphate (P <sub>2</sub> O <sub>5</sub> ) .....	5%	100	40 PPM as P <sub>2</sub> O <sub>5</sub>
Soluble Potash (K <sub>2</sub> O) .....	20%	400	160 PPM as K <sub>2</sub> O
Magnesium (Mg) .....	0.05%	1.0	0.40 PPM as Mg
Sulphur (S) .....	2%	40	16 PPM as S
2% Combined Sulphur (S)			
Boron (B) .....	0.02%	0.40	0.16 PPM as B
Copper (Cu) .....	0.05%	1.0	0.40 PPM as Cu
0.05% Water Soluble Copper (Cu)			
Iron (Fe) .....	0.10%	2.0	0.80 PPM as Fe
0.10% Chelated Iron (Fe)			
Manganese (Mn) .....	0.06%	1.2	0.48 PPM as Mn
0.06% Water Soluble Manganese (Mn)			
Molybdenum (Mo) .....	0.0009%	0.02	0.008 PPM as Mo
Zinc (Zn) .....	0.05%	1.0	0.40 PPM as Zn
0.05% Water Soluble Zinc (Zn)			
Derived from Ammonium Phosphate, Ammonium Sulfate, Potassium Nitrate, Magnesium Sulfate, Urea, Borax, Sodium Molybdate, Copper Sulfate, Iron EDTA, Manganese Sulfate and Zinc Sulfate. Potential acidity equivalent to 647 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>	2.67	4.00	5.34	8.01
<b>1:100</b>	5.34	8.01	10.68	16.02
<b>1:150</b>	8.01	12.01	16.02	24.03
<b>1:200</b>	10.66	15.99	21.32	31.98
<b>1:300</b>	16.02	24.03	32.04	48.06
Based on 1/2 gallon per square foot coverage. Two Tablespoons equals One Ounce (approximately) One Cup equals One Pound (approximately)				

<b>Conductivity of 25-5-20+</b> <i>using distilled water mixed at: (allow +/- 10%)</i>	
50 PPM Nitrogen =	.16 Millimhos/CM
100 PPM Nitrogen =	.32 Millimhos/CM
150 PPM Nitrogen =	.48 Millimhos/CM
200 PPM Nitrogen =	.64 Millimhos/CM
300 PPM Nitrogen =	.96 Millimhos/CM
400 PPM Nitrogen =	1.28 Millimhos/CM
500 PPM Nitrogen =	1.60 Millimhos/CM