FEED

PART A GROWTH OF LEAVES & STRONG ROOTS

FORMULA

5-12-26

GUARANTEED ANALYSIS

Total Nitrogen (N)	5.0%
5.0% Nitrate Nitrogen	
Available Phosphate (P2O5)	12.0%
Soluble Potash (K2O)	26.0%
Magnesium (Mg)	6.3%
6.3% water soluble magnesium (Mg)	
Sulfur (S)	8.5%
8.5% combined sulfur (S)	
Boron (B)	0.05%
Copper (Cu)	0.015%
0.015% chelated copper (Cu)	
Iron (Fe)	0.30%
0.30% chelated iron (Fe)	
Manganese (Mn)	0.05%
0.05% chelated manganese (Mn)	
Molybdenum (Mo)	0.019%
Zinc (Zn)	0.015%
0.015% chelated zinc (Zn)	

Derived from: Potassium nitrate, magnesium sulfate, monopotassium phosphate, iron DTPA, iron EDTA, iron EDDHA, copper EDTA, manganese EDTA, zinc EDTA, boric acid, ammonium molybdate.

Potential Basic: 170 lbs. of calcium carbonate equivalent (CCE) per ton. Information regarding the contents and levels of metals in this product is available on the internet at: http://www.aapfco.org/metals.html

Limit of Solubility = 1 lb. per gallon

ATTENTION: The application of fertilizer material containing Molybdenum (Mo) may result in forage crops containing levels of Molybdenum (Mo) which are toxic to ruminant animals.

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(FOR CONTINUOUS LIQUID FEED PROGRAMS)

1 GALLON CONCENTRATE	30 LITERS	100 GALLONS
FOR INJECTORS AT 1:100 :	WHEN MEASURING BY VOLUME:	FOR LARGER SIZE GROWING SYSTEMS:
Mix 13 oz. per gallon of stock	Mix 30 mL of fertilizer in water as a constant liquid feed	Mix 13 dry oz of fertilizer in water as a constant liquid feed

NET WT. 2 LB

MIXING INSTRUCTIONS

FOR AN EC OF 1.0 (50 PPM N)

An improvement on the classic "Part A" formula for general vegetative growing. This redesigned blend is built with purely soluble and available nutrients to allow the grower maximum flexibility. This specific mixture of macro, secondary and micronutrients delivers a combination of nutrients suitable for many different growing environments and crop types. As with all Jack's fertilizers, we use only the highest grade ttechnical materials in our formulation. Manufacturing is done under laboratory control with the finest available mixing and blending equipment using an exclusive JR PETERS process.

Follow these steps to obtain a precipitate free solution:

Step 1: Dissolve 13 ounces of 5-12-26 Hydro FeED Part A in 100 gallons of final feed solution at a strength of 50 ppm N. Mix well. Using warm or hot water will speed up the dissolving process. To follow the Jack's 3-2-1 method, PROCEED WITH THE REMAINING STEPS.

Step 2: Dissolve any additional Epsom Salts (MgSO4) into the solution before proceeding. For most crops, 50 ppm Mg is an adequate level in solution. To increase Mg levels, a good equation to remember is for every 10 ounces of Epsom salts you will add 7.5 ppm of Mg and 12 ppm S.

Step 3: Dissolve 8.6 ounces of Calcium Nitrate into the above 100 gallon solution to obtain a total nutrient concentration of 150 PPM Nitrogen and 116 PPM Calcium. Please refer to elemental breakdown in the chart below.

For best results, keep in mind that fertilizer salts dissolve in an endothermic reaction which means that they absorb heat from their surroundings during the process. This is why hot water works best when dissolving high concentrations (over 1lb per gallon range). Maximum fertilizer solubilities per gallon of hot water are listed with each formula description.

ELEMENTAL CONCENTRATION

50 PPM N SOLUTION CONTAINS THE FOLLOWING ELEMENTAL PPM		
Nitrate - N	(NO3)	50.0
Ammonium - N	(NH4)	0.0
Urea – N	(Urea)	0.0
Phosphorus	(P)	52.35
Potassium	(K)	215.85
Calcium	(Ca)	0.0
Magnesium	(Mg)	63.2
Boron	(B)	0.500
Copper	(Cu)	0.150
Iron	(Fe)	3.000
Manganese	(Mn)	0.500
Molybdenum	(Mo)	0.100
Zinc	(Zn)	0.150