

12-4-16

PRODUCT NUMBER 79040



FEED

12-4-16

NUTRIENT UPTAKE IN PURE &
REVERSE OSMOSIS WATERS

FORMULA

guaranteed analysis

F1313

mixing instructions

Total Nitrogen (N)	12.0%
0.2% ammoniacal nitrogen	
11.8% nitrate nitrogen	
Available Phosphate (P ₂ O ₅)	4.0%
Soluble Potash (K ₂ O)	16.0%
Calcium (Ca)	7.0%
Magnesium (Mg)	2.0%
2.0% water soluble magnesium (Mg)	
Boron (B)	0.02%
Copper (Cu)	0.02%
0.02% chelated copper (Cu)	
Iron (Fe)	0.15%
0.15% chelated iron (Fe)	
Manganese (Mn)	0.05%
0.05% chelated manganese (Mn)	
Molybdenum (Mo)	0.001%
Zinc (Zn)	0.035%
0.035% chelated zinc (Zn)	

Derived from: ammonium calcium nitrate double salt, potassium nitrate, magnesium nitrate, monopotassium phosphate, iron DTPA, iron EDTA, iron EDDHA, manganese EDTA, zinc EDTA, copper EDTA, boric acid, ammonium molybdate

Potential Basicity: 338 lb. of calcium carbonate equivalent (CCE) per ton.

Limit of Solubility: 5 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.

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

FOR AN EC OF 1.96 (200 PPM N)

When you are starting with water that is very pure, one key is to remember that it is up to YOU to add back all the good nutrients that your crop needs to survive. Formula designers at JR Peters ensured this blend will provide a highly soluble NPK plus an enhanced micronutrient package along with 7% calcium and 2% soluble magnesium to help replace the nutrients that are missing from pure water and RO filter water types.

Dissolve 17 oz. in 100 gallons of water to achieve a final feed strength of 150 PPM.

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 1 lb. per gallon range). Maximum fertilizer solubilities per gallon of hot water are listed with each formula description.

FOR A CONTINUOUS LIQUID FEED PROGRAM

1 GALLON
CONCENTRATE

FOR INJECTORS
AT 1:100:

Mix 17 dry ounces of
fertilizer per gallon
of stock

1 GALLON
READY TO USE

SMALL VOLUME
MIXING:

Mix 6.31 grams per
gallon of water as a
constant liquid feed

100
GALLONS

FOR A
LARGE SOLUTION
RESERVOIR:

Mix 17 dry ounces of
fertilizer in 100 gallons
of water as a constant
liquid feed

*USEFUL CONVERSIONS:

1 GAL = 3.78 L

1 TSP = 5 GM

elemental concentration

100 ppm N solution contains the following elemental ppm:	
Element	ppm
Total Nitrogen (N)	100.0
Nitrate - N (NO ₃)	98.3
Ammonium - N (NH ₄)	1.7
Urea - N	0.0
Phosphorus (P)	14.5
Available Phosphate (P ₂ O ₅)	33.2
Potassium (K)	110.7
Soluble Potash (K ₂ O)	133.4
Calcium (Ca)	58.3
Magnesium (Mg)	16.7
Sulfur (S)	0.0
Boron (B)	0.17
Copper (Cu)	0.17
Iron (Fe)	1.25
Manganese (Mn)	0.42
Molybdenum (Mo)	0.01
Zinc (Zn)	0.29



NET WT. 25 LB. (11.34 KG)

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