

Rev 01/11

Product Number
77990

21-5-20 All Purpose

(FOR CONTINUOUS LIQUID FEED PROGRAMS)

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GUARANTEED ANALYSIS		F1313
Total nitrogen (N)	7.92% ammoniacal nitrogen	21%
Available phosphate (P ₂ O ₅)	13.08% nitrate nitrogen	5%
Soluble potash (K ₂ O)	20%	0.1500%
Magnesium (Mg)	0.1500% water soluble magnesium (Mg)	0.0210%
Boron (B)	0.0105% chelated copper (Cu)	0.0105%
Copper (Cu)	0.1050% chelated iron (Fe)	0.1050%
Iron (Fe)	0.0525% chelated manganese (Mn)	0.0105%
Manganese (Mn)	0.0525% chelated manganese (Mn)	0.0525%
Molybdenum (Mo)	0.0525% chelated zinc (Zn)	
Zinc (Zn)		

Derived from: ammonium nitrate, monopotassium phosphate, potassium nitrate, magnesium sulfate, boric acid, iron EDTA, manganese EDTA, zinc EDTA, copper EDTA, ammonium molybdate

Potential Acidity: 407 lbs. Calcium carbonate equivalent 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>

WARNING: This product contains Molybdenum (Mo) and may be harmful to ruminant animals foraging on grass where applications have been made.

SUGGESTED FEEDING CONCENTRATIONS PPM NITROGEN
Jack's Professional® recommends these feed rates for the following crops. Remember to also consider plant stage, pot size, leaching fraction, and environmental conditions when applying suggested rates. The quality of your water source will also affect overall feed rates, frequency and other additions in order to achieve optimum growth.

	Constant Liquid Feed (CLF)	Periodic (Every 7-10 days)
Plugs/Salt Sensitive	50-125	175-225
Woody Ornamentals	50-100	200-375
Bedding Plants	100-150	200-250
General Foliage	100-200	250-300
Cut Flowers	175-225	300-450
Garden/Landscape	200-300	400-750
Heavy Feeders Geraniums, Mums, Lilies, Poinsettias, Vegetables	200-300	350-400
Light Feeders NG impatiens, Fuchsia, Begonia, Fern, Orchid, Native perennial	75-150	200-250

MIXING INSTRUCTIONS

Chart displays the amount of dry fertilizer (oz.) to add to each gallon of water to make a concentrated solution. Please check your injector setting before use.

Desired N feed rate	Injector Setting			E.C. value (mmhos)
	1:15	1:100	1:200	
50 ppm	.48	3.22	6.43	.32
100 ppm	.96	6.43	12.86	.65
200 ppm	1.93	12.86	25.72	1.29

Limit of Solubility = 4.5 lbs per gallon

Important Notes:

E.C. value is the best method to determine fertilizer strength. Fertilizer appearance may vary in color due to variation in raw material size and tracer dye distribution upon the particles in the bag. In solution, color will remain consistent.

For best results, use warm water to dissolve product. Jack's fertilizers are made with 100% soluble raw materials that will form a true solution. Some raw materials are slower to dissolve than others. Keep stock tank covered to reduce light and debris inputs.



Small Volume Measuring

(Indicates ppm N delivered)

%N in the fert	1/2 tsp	1 tsp	1 tbsp
20%	125	250	750
15%	94	188	564
10%	67.5	125	375

NET WT. 25LB (11.34KG)

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