

# 16-4-17 Hydro-Herb FeED

(FOR CONTINUOUS LIQUID FEED PROGRAMS)

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GUARANTEED ANALYSIS		F1313
Total nitrogen (N)	16%	16%
3.60% ammoniacal nitrogen		
12.80% nitrate nitrogen		
Available phosphate (P <sub>2</sub> O <sub>5</sub> )	4%	4%
Soluble potash (K <sub>2</sub> O)	17%	17%
Calcium (Ca)	4%	4%
Magnesium (Mg), total	2.0%	2.0%
2.0% water soluble magnesium (Mg)		
Boron (B)	0.0160%	0.0160%
Copper (Cu)	0.0090%	0.0090%
0.0090% chelated copper (Cu)		
Iron (Fe)	0.1000%	0.1000%
0.1000% chelated iron (Fe)		
Manganese (Mn)	0.0500%	0.0500%
0.0500% chelated manganese (Mn)		
Molybdenum (Mo)	0.0080%	0.0080%
Zinc (Zn)	0.0400%	0.0400%
0.0400% chelated zinc (Zn)		
Derived from: ammonium nitrate, potassium phosphate, potassium nitrate, calcium nitrate, magnesium nitrate, boric acid, iron EDTA, iron DTPA, iron EDDHA, manganese EDTA, zinc EDTA, copper EDTA, ammonium molybdate		
Neutral: 0 lb. Calcium carbonate equivalent per ton.		
Information regarding the contents and levels of metals in this product is available on the internet at: <a href="http://www.aapfco.org/metals.html">http://www.aapfco.org/metals.html</a>		
<b>WARNING: This product contains Molybdenum (Mo) and may be harmful to ruminant animals foraging on grass where applications have been made</b>		

**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)
<b>Plugs/Salt Sensitive</b>	50-125	175-225
<b>Woody Ornamentals</b>	50-100	200-375
<b>Bedding Plants</b>	100-150	200-250
<b>Hydroponic Herbs</b>	100-150	250-350
<b>Cut Flowers</b>	175-225	300-450
<b>Garden/Landscape</b>	200-300	400-750
<b>Heavy Feeders</b> <i>Geranium, Mum, Lily, Poinsettia, Vegetable</i>	200-300	350-400
<b>Light Feeders</b> <i>NG impatiens, Fuscia, Begonia, Fern, Orchid, Native perennial</i>	75-150	200-250

**Small Volume Measuring**  
(Indicates ppm N delivered)

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

**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	.63	4.22	8.44	.39
100 ppm	1.27	8.44	16.88	.78
200 ppm	2.53	16.88	33.76	1.56

Limit of Solubility = 4 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.

Jack's Hydro Herb was specifically designed for growing herbs and other crops in a hydroponic or aquaponic environment. This complete nutrient system is designed to deliver all the essential nutrients for balanced uptake from the root zone. Can be used as CLF or as a nutrient booster. In house and laboratory monitoring is key to maintaining nutrient balance and understanding nutrient addition timing. Follow EC guidelines listed to determine the most accurate concentration.



Product Number  
**77710**

**NET WT. 25LB (11.34KG)**