



OASIS

MICRONUTRIENT PLANT FOOD

FORMULA

16-4-17

GUARANTEED ANALYSIS

Total nitrogen (N)	16%
3.40% ammoniacal nitrogen	
12.60% nitrate nitrogen	
Available phosphate (P2O5)	4%
Soluble potash (K2O)	17%
Calcium (Ca)	4%
Magnesium (Mg)	1.5%
1.5% water soluble magnesium (Mg)	
Boron (B)	0.0220%
Copper (Cu)	0.0140%
0.0140% chelated copper (Cu)	
Iron (Fe)	0.2200%
0.2200% chelated iron (Fe)	
Manganese (Mn)	0.0500%
0.0500% chelated manganese (Mn)	
Molybdenum (Mo)	0.0079%
Zinc (Zn)	0.0520%
0.0520% chelated zinc (Zn)	

Derived from: ammonium nitrate, monopotassium phosphate, potassium nitrate, ammonium calcium nitrate double salt, magnesium nitrate, boric acid, iron molybdate

EDTA, iron DTPA, iron EDDHA, manganese EDTA, zinc EDTA, copper EDTA, ammonium molybdate

Neutral: 0 lb. Calcium carbonate equivalent per ton.

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.aspco.org/metals.html>

FEATURES AND BENEFITS

- Designed for hydroponic production of lettuce, herbs, greens and most vegetables
- Technical grade pure nutrients do not cause any toxicity on young plants when applied at recommended rates
- Complete one-bag nutrient solution: Balanced nutrient proportion promotes robust growth
- Low phosphorus levels help prevent excessive elongation
- Healthy roots, green leaves, and rapid growth – all in one bag
- Chelated micronutrients make vital growth components highly soluble and available to plants
- Promotes vigorous plant growth and greater yield through a proprietary blend of iron chelates that keeps iron available even as the pH varies (up to a high of 8.0).
- Soluble calcium and magnesium for all-around plant nutrition.

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.

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

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

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
Hydroponic Herbs	100-150	250-350
Cut Flowers	175-225	300-450
Garden/Landscape	200-300	400-750
Heavy Feeders Geranium, Mum/Lily, Poinsettia, Rose	200-300	350-400
Light Feeders NG impatiens, Fuchsia, Begonia, Fern, Orchid, Native perennials	75-150	200-250

NET WT. 2 LB



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