Rev 4/22

Product Number 77140

9-45-15 Plant Starter

(FOR CONTINUOUS LIQUID FEED PROGRAMS)

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9-45-15 Plant Starter

F1313

GUARANTEED ANALYSIS

Total nitrogen (N) 9%
9.00% ammoniacal nitrogen
Available phosphate (P_2O_5) 45%
Soluble potash (K_2O) 15%
Magnesium (Mg), ... 0.0500%
0.0500% water soluble magnesium (Mg)
Boron (B) 0.0068%
Copper (Cu) 0.0036%
0.0036% chelated copper (Cu)
Iron (Fe) 0.0500%
0.0500% chelated iron (Fe)
Manganese (Mn) 0.0250%
0.0250% chelated manganese (Mn)
Zinc (Zn) 0.0025%
0.0025% chelated zinc (Zn)

Derived from: monoammonium phosphate, potassium chloride, magnesium sulfate, boric acid, iron EDTA, manganese EDTA, zinc EDTA, copper EDTA

Potential Acidity: 965 lb. 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.htm

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.

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)
Plugs/Salt Sensitive	50-125
Woody Ornamentals	50-100
Bedding Plants	100-150
General Foliage	100-200
Cut Flowers	175-225
Garden/Landscape	200-300
Heavy Feeders *Geranium, Mum, Lily, Poinsettia, Vegetable*	200-300
Light Feeders *NG impatiens, Fuscia, Begonia, Fern, Orchid, Native perennial*	75-150

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	1.13	7.5	15.0	.6
100 ppm	2.25	15	30.0	1.2
200 ppm	4.50	30	**	2.4

Limit of Solubility = 2.5 lbs per gallon
***beyond the limit of solubility*

***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	*Fertilizer/Gallon*		
	1/2 tsp	**1 tsp**	**1 Tbsp**
20%	125	250	750
15%	94	188	564
10%	67.5	125	375

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NET WT. 25LB (11.34KG)