

# 12 - 48 - 8

## QUICK START

### Professional Water Soluble Plant Food

#### Guaranteed Analysis

Total Nitrogen(N) .....	12%
Nitrate Nitrogen .....	2.50%
Ammoniacal Nitrogen .....	9.50%
Available Phosphate (P2O5) .....	48%
Soluble Potash (K2O) .....	8%
Sulfur (S) Combined .....	0.50%
Boron (B) .....	0.02%
Copper (Cu) .....	0.05%
0.05% Chelated (Cu)	
Iron (Fe) .....	0.10%
0.10% Chelated (Fe)	
Magnesium (Mg) .....	0.05%
0.05% Water Soluble (Mg)	
Manganese (Mn) .....	0.05%
0.05% Chelated (Mn)	
Molybdenum (Mo) .....	0.0005%
Zinc (Zn) .....	0.05%
0.05% Chelated (Zn)	

Derived from: Potassium Phosphate (MKP), Potassium Nitrate, Ammonium Phosphate, Ammonium Sulfate, Boric Acid, Copper EDTA, Iron EDTA, Magnesium Sulfate, Manganese EDTA, Sodium Molybdate, and Zinc EDTA.

Maximum Solubility = 1 lb. per gal. The use of hot/warm water, along with agitation will increase solubility.

Potential acidity = 945 lbs. Calcium Carbonate per ton.

Conductivity of 100 ppm N = 1.20 mmhos/cm

150 ppm N = 1.80 mmhos/cm

200 ppm N = 2.40 mmhos/cm

**NET WEIGHT: 25 LBS.**

***P.F.I. 12-48-8 is a premium grade, water soluble fertilizer that can be applied as a foliar spray, soil drench, in continuous feed soilless applications, or injector ratio feeders.***

***P.F.I. 12-48-8 water soluble fertilizer is fortified with the essential micronutrients to ensure healthy crops and increased yields, and is safe on all plants when used as directed.***

#### NOTICE:

Seller warrants that the product conforms to its chemical description and is reasonably fit for the purpose stated on this label when used in accordance with directions under normal conditions or use. Since weather, crop, soil, and other conditions may vary, Plant Foods, Inc. and the seller make NO WARRANTY of any kind, expressed or implied, concerning the use of this product. The user assumes all risks of use and handling whether or not in accordance with directions or suggestions for use.

Manufactured by: Plant Foods, Inc.

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**GENERAL DIRECTIONS FOR FOLIAR USE:** Dissolve 5-10 lbs. of concentrate per 100 gallons. 5-10 lbs. per 100 gallons will cover 1 acre.

CONVERSIONS: 5 LBS. PER ACRE = 5 KILOS PER HECTARE. ONE LB. = 2 CUPS. ONE OZ. = 2 TBSP.

#### DIRECTIONS FOR USE ON SPECIFIC CROPS:

**TRANSPLANTS:** In Field Crop production, dissolve 4 lbs. per 100 gallons of water. Use 200 gallons of concentrate solution per acre.

Use one Tablespoon per gallon when transplanting tender seedlings in a Greenhouse situation.

**TURF, GREENS & TEES:** Apply 5-10 lbs. per 100 gal. water and apply to 1000 sq. ft. every 2 weeks to improve grow-in, and damage in "high traffic" areas.

**GREENHOUSE / NURSERY:** For Bedding plants, Plugs, and most cut flowers, feed at 150-200 ppm (N) using a Constant Feed Method. Use 200 - 400 ppm (N) when using a Pulse Feeding Method. An average/normal watering = 1 qt. per sq. ft.

**ROW CROPS:** Use 5-10 lbs. per 100 gals. per acre. 1-5 applications may be necessary depending on crop growth and weather conditions.

**NOTE:** Concentrated mix SHOULD NOT exceed 10 lbs. in 10 gallons of water.

**NOTE:** These rates may or may not meet the growers and or crops needs. Weather conditions, air temp., soil temp., and water pH will affect a grower's rates and fertilizer requirements.