14-0-8
Hydroponic Boost
G99395

Peters® Professional

Usage

Peters Professional 14-0-8 Hydroponic Boost is intended for use in conjunction with Peters Professional 5-11-26 Hydroponic Special base feed to provide supplemental N, K, Ca and Mg needed by many hydroponic crops.

Guaranteed analysis

Total Nitrogen (N) 14%
0.7% Ammoniacal Nitrogen ($N\text{-}NH_4$)
13.3% Nitrate Nitrogen ($N\text{-}NO_3$)
Soluble Potash (K_2O) 8%
Calcium (Ca) 13.6%
Magnesium (Mg) 0.9%
0.9% Water Soluble Magnesium (Mg)

Derived from: Potassium Nitrate, Calcium Nitrate, Magnesium Nitrate

Product properties

Potential basicity	417.6 lbs. calcium carbonate equivalent per ton
Conductivity (100 ppm N)	0.95 mmhos/cm.
Maximum solubility	5.6 lbs./gal.

Directions (non-injector tank mix)

1. Fill tank with water to at least 25% volume.

2. Add the correct amount of 5-11-26 Hydroponic Special to the tank and agitate. Typical rate is 1.05 grams per liter or 8 pounds, 12 ounces per 1000 gallons of solution (rate can be varied depending on nutrient target).

3. Add water to fill tank to 50% volume.

4. Add Peters Professional 14-0-8 Hydroponic Boost to tank and agitate. Typical rate is 1.35 grams per liter or 11 pounds, 4 ounces per 1000 gallons of solution (rate can be varied depending on nutrient target).

5. Add water to top off tank.

Note: If using injectors and concentrated stock tanks, 14-0-8 and 5-11-26 cannot be mixed in the same tank (two stock tanks and two injector ports will be needed).

Nutrients

Nutrients at 80 ounces per 1,000 gallons	PPM
Nitrogen (N)	189
Potassium (K)	108
Calcium (Ca)	183.6
Magnesium (Mg)	12.1

Weight (oz.) of product needed to mix one gallon of concentrate

Target concentration (N/ppm) after dilution	Injector ratios			EC (mmhos/cm.) of target feed rate after dilution
	1:15	1:100	1:128	
50	0.7	4.8	9.5	0.48
100	1.4	9.5	19.1	0.95
200	2.9	19.1	38.1	1.90
300	4.3	28.6	57.2	2.85

Gallons of water needed to dissolve one 25 lb. bag of fertilizer

Target concentration (N/ppm) after dilution	Injector ratios	
	1:100	1:200
50	83.9	41.9
100	41.9	21
200	21	10.5
300	14	7

ICL