

Fertilizer Stock Solutions

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For Lettuce

Stock solution A consists of 1 lb/gal Chem-Gro 8-15-36 (Hydro-Gardens, Colorado) hydroponic fertilizer plus 0.6 lb/gal of magnesium sulfate.

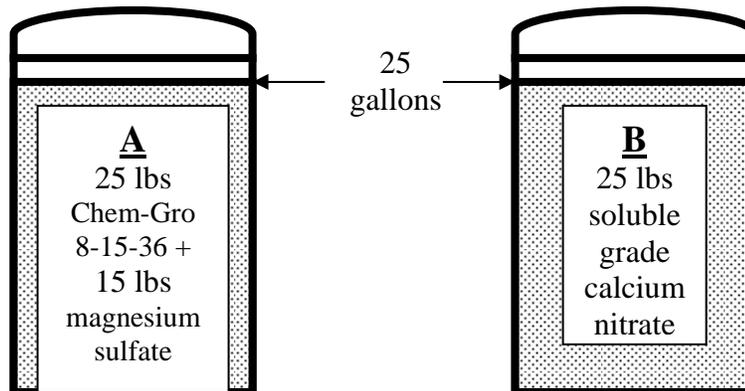
Stock solution B consists of 1 lb/gal of soluble grade calcium nitrate.

Stock solutions are added in equal volumes to prepare a nutrient solution with an electrical conductivity (EC) of 1.5 mS. If one does not have an electrical conductivity meter, then ½ ounce or 1 tablespoon of stock solution A and ½ ounce or 1 tablespoon of stock solution B should be added to each gallon of water in the tank.

One inch of water depth on 1 square foot = 0.625 gal of water.

Therefore, one inch of water in a 4 ft x 8 ft tank (32 sq. ft.) = 20 gallons.

Five inches of water in a 4 x 8 ft tank which is 5 inches deep = 100 gallons and would require 50 ounces of stock solution A and 50 ounces of stock solution B.



Each stock solution should have its own measuring cup and stirring rod. Stock solutions should be kept separate when in a concentrated form, because they will react. However, these solutions do not react when mixed in the dilute growing solution.