Hydroponic Nutrient Mixing and Dosage

Creating concentrated stock solutions:

PART A - Add 1000g of **Jack's Part A 5-12-26** to 1 gallon of distilled water.

PART B - Add 333g of **Epsom Salt (Magnesium Sulfate Heptahydrate)** to 1 gallon of distilled water.

PART C - Add 666g of **Calcium Nitrate 15-0-0** to 1 gallon of distilled water

Adding **13ml** of each to a gallon of rez water will result in a concentration of **1.4 EC** (**700ppm** on .500 scale)

Dosing Breakdown for Updated Jack's 3-2-1 schedule:

3785 ml per gallon / 1000g BASE = 3.785 ml per gram * **3.6g = 13.6 ml of Part A**

3785 ml per gallon / 333g EPSOM = 11.37 ml per gram * **1.2g = 13.6 ml of Part B**

3785 ml per gallon / 666g CALNIT = 5.68 ml per gram * **2.4g = 13.6 ml of Part C**

Final solution comes out to approximately 750ppm with good low-ppm municipal tap water.

Mixing Notes:

Always add the concentrated solutions to the water in the mixing tank in the following order:

PART A, PART B, PART C

Mixing in any other order could cause precipitation.

OPTIONAL – Using Calcium Hypochlorite (Pool Shock):

Add 1g Calcium Hypochlorite (at least 65% chlorine) to 1 gallon of distilled water to create a concentrated stock solution.

Use 1tsp (5ml) of the above stock solution per gallon of fertigation solution. Always add this last, after all other fertigation components.