

Element	Symbol	Fertilizer ppm	Source Water Analysis ppm	Adjustments ppm	PROFILE ppm	
Nitrate N	NO3	122.4	0	0	122	90.9%
Ammonium N	NH4	12.3	0	0	12	9.1%
Urea N	NH2	0.0	0	0	0	0.0%

Reservoir Volume	US Gal	Liters
	100	378.5

Nitrogen N Total		134.7	0	0	135
Phosphorus P		58.7	0	0	59
Potassium K		193.0	0	0	193
Magnesium Mg		50.8	0	0	51
Sulfur S		65.2	0	0	65
Calcium Ca		95.1	0	0	95
Iron Fe		0.46896	0	0	0.46896
Boron B		0.44055	0	0	0.44055
Manganese Mn		0.50198	0	0	0.50198
Zinc Zn		0.17834	0	0	0.17834
Molybdenum Mo		0.07979	0	0	0.07979
Sodium Na		0.00000	0	0	0.00000
Copper Cu		0.21532	0	0	0.21532
Chlorine Cl		0.00000	0	0	0.00000
Cobalt Co		0.00000	0	0	0.00000
Silicon Si		0.00000	0	0	0.00000
Selenium Se		0.00000	0	0	0.00000

Product (solute)	Grams or mL per US Gal	Liters Needed for 100 Gals	Solute per	
			US Gal	Liter
Hydro	3	300.0	3.00	0.79
CaNO3	2	200.0	2.00	0.53
MAP		0.0	0.00	0.00
MKP	0	0.0	0.00	0.00
bloom booster	0.5	50.0	0.50	0.13
Potassium sulfate		0.0	0.00	0.00
most	0.005	0.5	0.01	0.00
Cost for this solution mix			\$0.00	

Comments:  
 full does jacks: 3.687  
 Full dose cano3: 2.438  
 .2 grams/gal cacl2

Active Elements	599	0	0	599
Estimated TDS@.7	#N/A			
Estimated TDS@.5	#N/A			
Estimated EC/mS	#N/A			
Estimated EC/uS	#N/A			

### The Handy-Dandy Little From-To Converter

Convert	1	tsp	To	ml	=	4.929994084
For this converter to function, the Excel Analysis ToolPak Add-In must be installed.						

### Common additions to nutrient solutions

Product	Purity%	Grams or mL added to mix	Element(s) / ppm for your 100 Gallon volume
<b>Epsom Salts</b>			
magnesium sulfate heptahydrate (MgSO4.7H2O)	98%	100	Mg 25.5 S 33.7
<b>pH Down products</b>			
Phosphoric acid (H3PO4)	9%	0	P 0.0
Phosphoric acid (ortho) (H3PO4)	95%	0	P 0.0
Nitric acid (HNO3)	95%	0	NO3 0.0
Sulfuric acid (H2SO4)	100%	0	S 0.0
<b>pH Up products</b>			
Potassium hydroxide (KOH)	15%		K 0.0
pH UP (8% K2O)	8%		K 0.0

Manually add the ppm for your additions to the Adjustments column of your profile. Product purity% should be available from the product label. Two products supplying P or K are commonly found at standard concentrations, their purity% cannot be changed.