

Element	Symbol	Fertilizer ppm	Source Water Analysis ppm	Adjustments ppm	PROFILE ppm	
Nitrate N	NO3	86.9	0	0	87	95.3%
Ammonium N	NH4	4.3	0	0	4	4.7%
Urea N	NH2	0.0	0	0	0	0.0%

Reservoir Volume	US Gal	Liters
	100	378.5

Nitrogen N Total	91.1	0	0	91
Phosphorus P	44.6	0		45
Potassium K	158.2	0		158
Magnesium Mg	37.6	0	0	38
Sulfur S	61.1	0		61
Calcium Ca	71.3	0	0	71
Iron Fe	4.14135	0	0	4.14135
Boron B	1.01057	0	0	1.01057
Manganese Mn	4.52444	0	0	4.52444
Zinc Zn	2.46697	0	0	2.46697
Molybdenum Mo	0.08058	0	0	0.08058
Sodium Na	0.00000	0	0	0.00000
Copper Cu	1.30449	0	0	1.30449
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

Active Elements	477	0	0	477
Estimated TDS@.7	#N/A			
Estimated TDS@.5	#N/A			
Estimated EC/mS	#N/A			
Estimated EC/uS	#N/A			

Product (solute)	Grams or mL per US Gal	Liters Needed for 100 Gals	Solute per	
			US Gal	Liter
Hydro	2.25	225.0	2.25	0.59
CaNO3	1.5	150.0	1.50	0.40
diamond k mag		0.0	0.00	0.00
MKP	0.225	22.5	0.23	0.06
LKB		0.0	0.00	0.00
Potassium sulfate	0.12	12.0	0.12	0.03
most	0.2	20.0	0.20	0.05
Cost for this solution mix		\$0.00		

Comments:
 full does jacks: 3.687
 Full dose cano3: 2.438

 .3 grams/gal cacl2

 Part A ppm
 Part B ppm

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
Epsom Salts			
magnesium sulfate heptahydrate (MgSO4.7H2O)	98%	35	Mg 8.9 S 11.8