

Element	Symbol	Fertilizer ppm	Source Water Analysis ppm	Adjustments ppm	PROFILE ppm	
Nitrate N	NO3	115.8	0	0	116	95.3%
Ammonium N	NH4	5.7	0	0	6	4.7%
Urea N	NH2	0.0	0	0	0	0.0%

Reservoir Volume

Nitrogen	N Total	121.5	0	0	122
Phosphorus	P	41.5	0	0	41
Potassium	K	171.0	0	0	171
Magnesium	Mg	50.1	0	0	50
Sulfur	S	65.1	0	0	65
Calcium	Ca	95.1	0	0	95
Iron	Fe	0.23778	0	0	0.23778
Boron	B	0.39630	0	0	0.39630
Manganese	Mn	0.39630	0	0	0.39630
Zinc	Zn	0.11889	0	0	0.11889
Molybdenum	Mo	0.07926	0	0	0.07926
Sodium	Na	0.00000	0	0	0.00000
Copper	Cu	0.11889	0	0	0.11889
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

Use Weights for Liquids

Product (solute)
Hydro
CaNO3
MAP
MKP
bloom booster
Potassium sulfate
silica
Cost for this solution mi

Comments:
full does jacks: 3.687
Full dose cano3: 2.438
.2 grams/gal cacl2
5ml protekt

Active Elements	546	0	0	546
Estimated TDS@.7	1230			
Estimated TDS@.5	879			
Estimated EC/mS	1.76			
Estimated EC/uS	1757			

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%	100	Mg 25.5 S 33.7
pH Down products			
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
pH Up products				
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.				

US Gal	Liters
100	378.5

<input type="checkbox"/> Use per Liter dilutions (default=per US Gal)			
Grams or mL per US Gal	Ttl Needed for 100 Gals	US Gal	Liter
3	300.0	3.00	0.79
2	200.0	2.00	0.53
	0.0	0.00	0.00
	0.0	0.00	0.00
	0.0	0.00	0.00
	0.0	0.00	0.00
	0.0	0.00	0.00
x	\$0.00		

