

Element	Symbol	Fertilizer ppm	Source Water Analysis ppm	Adjustments ppm	PROFILE ppm	
Nitrate N	NO3	113.0	0	0	113	95.0%
Ammonium N	NH4	6.0	0	0	6	5.0%
Urea N	NH2	0.0	0	0	0	0.0%

Reservoir Volume

Nitrogen	N Total	119.0	0	0	119
Phosphorus	P	58.5	0	0	59
Potassium	K	303.9	0	0	304
Magnesium	Mg	41.7	0	0	42
Sulfur	S	111.6	0	0	112
Calcium	Ca	99.9	0	0	100
Iron	Fe	2.17966	0	0	2.17966
Boron	B	0.68692	0	0	0.68692
Manganese	Mn	2.44386	0	0	2.44386
Zinc	Zn	1.28798	0	0	1.28798
Molybdenum	Mo	0.07662	0	0	0.07662
Sodium	Na	0.00000	0	0	0.00000
Copper	Cu	0.70674	0	0	0.70674
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
diamond k mag
MKP
LKB
Potassium sulfate
most
Cost for this solution mi

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

.5 grams/gal cacl2

Part A ppm
Part B ppm

Active Elements	742	0	0	742
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 130 Gallon volume
Epsom Salts			
magnesium sulfate heptahydrate (MgSO4.7H2O)	98%	130	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
130	492.1

<input type="checkbox"/> Use per Liter dilutions (default=per US Gal)			
Grams or mL per US Gal	Ttl Needed for 130 Gals	Solute per	
		US Gal	Liter
2.5	325.0	2.50	0.66
2.1	273.0	2.10	0.55
	0.0	0.00	0.00
0.4	52.0	0.40	0.11
	0.0	0.00	0.00
1.2	156.0	1.20	0.32
0.1	13.0	0.10	0.03
x	\$0.00		

