Element	Symbol	Fertilizer ppm	Source Water Analysis ppm	Adjustments ppm	**PROFILE ppm**	
Nitrate N	NO3	154.9	0	0	**155**	94.4%
Ammonium N	NH4	9.1	0	0	**9**	5.6%
Urea N	NH2	0.0	0	0	**0**	0.0%
Nitrogen	N Total	164.1	0	0	**164**	
Phosphorus	P	40.5	0		**41**	
Potassium	K	161.0	0		**161**	
Magnesium	Mg	41.7	0	0	**42**	
Sulfur	S	65.6	0		**66**	
Calcium	Ca	152.2	0	0	**152**	
Iron	Fe	4.16116	0	0	**4.16116**	
Boron	B	1.04359	0	0	**1.04359**	
Manganese	Mn	4.55746	0	0	**4.55746**	
Zinc	Zn	2.47688	0	0	**2.47688**	
Molybdenum	Mo	0.08719	0	0	**0.08719**	
Sodium	Na	0.00000	0	0	**0.00000**	
Copper	Cu	1.31440	0	0	**1.31440**	
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		639	0	0	**639**	
Estimated TDS@.7		#N/A				
Estimated TDS@.5		#N/A				
Estimated EC/mS		#N/A				
Estimated EC/uS		#N/A				

Reservoir Volume

☑ Use Weights for Liquids

Product (solute)
Hydro
CaNO3
MAP
MKP
0
Potassium sulfate
most
Cost for this solution mi

Comments:

full does jacks: 3.687

Full dose cano3: 2.438

1300 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 35 Gallon volume	
Epsom Salts				
magnesium sulfate heptahydrate (MgSO4.7H2O)	98%	20	**Mg**	**14.6**
			S	**19.2**
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
35	132.5

☐ Use per Liter dilutions (default=per US Gal)

Grams or mL per US Gal	Ttl Needed for 35 Gals	Solute per US Gal	Solute per Liter
2.5	87.5	**2.50**	~~0.66~~
3.2	112.0	**3.20**	~~0.85~~
	0.0	**0.00**	~~0.00~~
0.1	3.5	**0.10**	~~0.03~~
	0.0	**0.00**	~~0.00~~
0.1	3.5	**0.10**	~~0.03~~
0.2	7.0	**0.20**	~~0.05~~
x	$0.00		