

Magnesium Sulfate EPSOM Stock Solution

HydroBuddy v1.50 - Programmed and Designed by Daniel Fernandez at <http://scienceinhydroponics.com>

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Substance Name	Formula	Mass (g) [Edit to fine-tune]	Preparation Cost
CHN Giles Magnesium Sulfate EPSOM 4-11	9.8% magnesium 12.9% sulfur	1360.8	1.3

3 pounds per gallon

ADJUSTABLE NUTRIENT INJECTION SYSTEM

Element	Result (ppm)	Gross Error	Instrumental Error
N (NO3-)	0		
K	0		
P	0		
Mg	35229.562		
Ca	0		
S	46373.607		
Fe	0		
Zn	0		
B	0		
Cu	0		
Mo	0		
Na	0		
Si	0		
Cl	0		
Mn	0		
N (NH4+)	0		

Total Cost is 1.3

Values calculated for the preparation of 1 gallons

Mg : 3.5% w/v 3% w/w

SO₄: 4.6% w/v 4% w/w

1.15 g/mL
9.59 lbs./gal

Predicted EC Value: EC=250.6 mS/cm

Stock Solution Analysis

Nutrient Ratio Analysis

Detailed Per Substance Contribution Analysis

Export To Csv

INJECTOR SETTING - WORKING SOLUTION PPM
0.23% (1:440) - 80 PPM Mg & 105 PPM S
0.17% (1:587) - 60 PPM Mg & 79 PPM S
0.11% (1:881) - 40 PPM Mg & 53 PPM S

50 gallons of this concentrate will make:
 22,000 gallons of working solution @ 80 ppm Mg
 29,350 gallons @ 60 ppm Mg
 44,000 gallons @ 40 ppm Mg



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