

BASIC NUTRIENTS



Soluble Plant Available Macronutrients		
Analyte Type in ppm	Result	Optimal Range (ppm)
Calcium (Ca)	118	80 - 400
Magnesium (Mg)	44	30-70
Potassium (K)	223	60-200
Sodium (Na)	147	0 - 80
Nitrate (NO ₃ ⁻ -N)	60	70 - 200
Phosphate (PO ₄ ³⁻ -P)	12	15 - 25

Total Plant Available Macronutrients		
Analyte Type in ppm	Result	Optimal Range (ppm)
Calcium (Ca)		2000-4000
Magnesium (Mg)		100-500
Potassium (K)		150-800
Sodium (Na)		See ESP

Calculated Calcium to Magnesium Ratio		
Analyte Type	Result	Optimal Ratio
Ca:Mg	1.6	>3

*Lime Requirement is reported as 100% CaCO₃ to a pH of 6.5 - Compare to the % CaCO₃ in your liming product to determine application rate.

ND - No Detection - This means there was not a detected amount of this substance in your sample

Sample Info:
Received by: IA
Sample Name: Garden
Lab ID: 1000 pf1

[illegible]

The reported lime application rate is intended to raise pH to 6.5, HOWEVER a soil can only process 5lb/100 sq-ft (10lb/100 cubic-ft) of liming agent per application. Applications that are larger than 5lb/100Ft² should be split with one half applied now and the half at the end of the season before planting a cover crop.

For further details about your report give us a call to discuss a consultation. You can also check out our website at www.imperialanalytics.com for more information, helpful hints and disclaimers.