POTTING MEDIA REPORT

BASIC NUTRIENTS



Imperial Analytics 1703 Giuntoli Lane Suite B Arcata, CA 95521 707-630-4173 Monday - Friday 9 a.m. - 5 p.m. lab@imperialanalytics

Analysis Type	Result	Optimal Range						
рН	6.3	6 - 7						
Electrical Conductivity *EC (dS/m)	1.97	2 - 4						
Bulk Density (g/cm³)		0.25-0.75						
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						
Micronutrients								
Analyte Type in ppm	Result	Optimal Range (ppm)						
Zinc (Zn)		5 - 30						
Manganese (Mn)		5 - 30						
Copper (Cu)		0.5 - 1.5						
Iron (Fe)		15 - 40						
Boron (B)		0.7 - 2.5						
Chloride (Cl⁻)		<45						
Total Plant Available Macronutrier	nts							
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 Percent Exchangeable Cations								
How Calcium, Magnesium, Sodium, and Potassium relate to each other. These will add up to 100%. By increasing one, others will decrease. If the percentages differ greatly from the given optimal ranges see comments for further instruction.								
Analyte Type in Percent	Result	Optimal Range (%)						
Calcium (Ca)	22	45						
Magnesium (Mg)	8	9						
Potassium (K)	42	38						
Sodium (Na)	28	<5						
Calculated Calcium to Magnesium Ratio								
Analyte Type	Result	Optimal Ratio						
Ca:Mg	1.6	>3						
Calculated Salinity & Lime Requirement								
Analysis Type	Result	Optimal Range						
SAR (sodium absorption ratio)		<13						
ESP (exchangeable sodium percent)		<15%						
Lime Req* lbs/100ft ³		Calcium Carbonate to raise						
		pro						

^{*}Lime Req1* ibs/100rt*

*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.

Custoffic								
Name: Jane Do	е							
Phone: 707-630								
Email: lab@imp								
Date Received:	02/04/2019							
Report date: 02/0	8/2019							
Report Approved	by: ZM			QC Approved	by: LS			
Sample Info	:							
Received by: IA								
Sample Name:	Garden							
Lab ID: 1000 pf	1							
Results at a Glance:								
See Page 2 for complete Interpretations & Recommendations								
Nutrient Recommendations lbs/10Yd ³								
Ca	Mg	K₂O	NO ₃	P ₂ O ₅				
Amendment Application Rates lb/10Yd ³			-					
Gypsum	Epsom Salt	Sulfate of Potash	Micronized Oyster Shell					
				•				
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.								

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