



Reno Food System Comparative Soil Test 2021

Nutrient	Measure	Desired Level				
Square Feet						
Date			12/13/17	2/18/2020	3/32/2021	
Test #			3391	599	889	
Humus		30-40	8	6	10	Bank Account Of The Soil: Humus Based Compost
Nitrates	lbs. / Acre	40	25	60	80	Main Growth Nutrient: Organic and Non-organic
Ammonia	lbs. / Acre	40	4	12	12	Seed Production Nutrient: Organic and Non-organic
Phosphorus	lbs. / Acre	174	27	35	150	The "Redbull" For Plants: Mined Minerals
Potassium	lbs. / Acre	167	130	194	358	The Structure Builder: Compost Comes High
Calcium	lbs. / Acre	3,000	937	2047	2654	The Soil Nutrient Transporter: A Must Have Multiple Types
Magnesium	lbs. / Acre	429	195	287	304	The Key Chlorophyll Molecule: Photosynthesis
Sodium	PPM	<35	4	18	76	Try An Keep It Low: Humus Can Buffer
ERGS	mS/Centimeter	200	117	236	835	Growth Energy: Not Too Much And Not Too Little
ORP		28	25	26	28	Oxidation Potential Of Nutrients
pH		6.5	5.8	5.7	6.2	pH Is A Symptom: Do Not Chase Just Balance Fungi/Bacteria
Copper	PPM	0.8-2.5	1	2.2	2	Flexibility: Bend And Don't Break
Iron	PPM	10-25	180.2	199	200.7	The Strength Builder: Watch Chemical Fertilizers
Zinc	PPM	1-6	3	2.8	6.7	Water Infiltration Element
Manganese	PPM	8-30	7.8	6.7	14.6	Photosynthesis Power House
Boron	PPM	0.8-1.2	1.2	1.4	3	Driver Of The Calcium Nutrient Truck
Sulfur	PPM	30	Not Tested	Not Tested	Not Tested	Great pH Lowering In Moderation
Formazan	PPM	600	Not Tested	Not Tested	Not Tested	
P:K		1P:1K	.21:1	.18:1	.42:1	Very Important!
Ca:Mg		1Ca:1Mg	4.8:1	7.1:1	8.7:1	Very Important!
C.E.C. Test						
Phosphorus						
Bray 1	(ppm)		34	27	72	
Olsen	(ppm)		43.9	22.9	58.4	
Potassium	(ppm)		62	86	211	
Calcium	(ppm)		1338.55	1305.03	2299.44	
Magnesium			237.84	375.8	473.72	
Sodium			4	18	76	
Organic Matter	%		4.33	3.06	5.82	2% Minimum and 5% Amazing
pH			5.8	5.7	6.2	
K	%	2-5%	0.8	1	2.2	Balance Totals And Balance Base Saturation
Ca	%	60-70%	31.9	28.3	46.3	Balance Totals And Balance Base Saturation
Mg	%	10-20%	9.5	13.6	15.9	Balance Totals And Balance Base Saturation
Na	%	0.5-3%	0.1	0.3	1.3	Balance Totals And Balance Base Saturation
C.E.C	meq/100g		8.9	10	16.3	3 = Sand 30 = Clay Balance At 20 For Nutrient Exchange
Acidity	meq/100g		12.1	13.1	8.5	