

September 13, 2023

Ventura County Parks

11201 Riverbank Drive, Suite A1
Ventura, CA 93004

Description : Soil
Project : Ventura County Parks

Lab ID : SP 2314901-002
Customer : 2027477

Sampled On : August 31, 2023
Sampled By : Ben Waddell
Received On : August 31, 2023
Depth : 0-24"

Oak Soil Analysis

Test Description	Result	Units	Optimum Range	Graphical Results Presentation				
				Very Low	Moderately Low	Optimum	Moderately High	Very High
Primary Nutrients								
Nitrate-Nitrogen	37.4	Lbs/AF	58 - 98					
Phosphorus-P ₂ O ₅	339	Lbs/AF	150 - 290					
Potassium-K ₂ O (Exch)	509	Lbs/AF	200 - 1200					
Potassium-K ₂ O (Sol)	72.2	Lbs/AF	120 - 500	5%				
Secondary Nutrients								
Calcium (Exch)	6970	Lbs/AF	5000 - 6700					
Calcium (Sol)	415	Lbs/AF	240 - 800	68%				
Magnesium (Exch)	734	Lbs/AF	510 - 1000					
Magnesium (Sol)	80.7	Lbs/AF	110 - 280	22%				
Sodium (Exch)	<80.0	Lbs/AF	0.0 - 480					
Sodium (Sol)	33.3	Lbs/AF	< 1000	5%				
Sulfate	215	Lbs/AF	170 - 3900					
Micro Nutrients								
Zinc	30.0	Lbs/AF	5.2 - 160					
Manganese	87.2	Lbs/AF	8.4 - 240					
Iron	238	Lbs/AF	52 - 210					
Copper	3.20	Lbs/AF	1.6 - 42					
Boron	2.20	Lbs/AF	1.4 - 8.6					
Chloride	33.3	Lbs/AF	20 - 670					
CEC	10.5	meq/100g	14 - 35					
% Base Saturation								
CEC - Calcium	82.9	%	60 - 80					
CEC - Magnesium	14.4	%	10 - 20					
CEC - Potassium	2.57	%	1.0 - 6.0					
CEC - Sodium	0.00	%	0.0 - 5.0					
CEC - Hydrogen	< 1.00	%	0.0 - 3.0					
				Strongly Acidic	Moderately Acidic	Near Neutral	Moderately Alkaline	Strongly Alkaline
pH	6.29		4.8 - 7.8					



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Test Description	Result	Units	Optimum Range	Graphical Results Presentation							
Others				Satisfactory		Possible Problem		Moderate Problem		Increasing Problem	
Soil Salinity	0.622	dS/m	0.0 - 2.0								
SAR	0.2		0.0 - 6.0								
Limestone	<0.10	%	0.0 - 0.50								
				0	1	2	3	4	5	6	
Lime Requirement	0	Tons/AF	---								
Gypsum Requirement	<0.50	Tons/AF	---								
				Very Low		Moderately Low		Optimum		Moderately High	
Moisture	8.9	%	3.9 - 27								
				Loamy Sand	Sandy Loam	Loam	Silt Loam	Clay Loam	Clay	Organic	
Saturation	38.9	%	40 - 50								

Good Problem Indicates physical and/or phenological and amendment requirements.

Note: Color coded bar graphs have been used to provide you with 'AT-A-GLANCE' interpretations.

Note: Soils with gypsum requirements over 10 tons should be applied incrementally at a maximum of 10 tons per acre per year and reanalyzed yearly after each application.

BRW:KEH

Reviewed and Approved By **Ben Waddell**  Digitally signed by Ben Waddell
Title: Director of Ag. Services
Date: 2023-09-13

September 8, 2023

Ventura County Parks
11201 Riverbank Drive, Suite A1
Ventura, CA 93004

Subject: Subcontract Analysis for FGL Lab No. SP 2314901

Enclosed please find results for the following sample(s) which were received by FGL.

- Subcontracted for Multi-Residue Pesticide Screen + Imazypyr

Please note that this analysis was performed by Primus Group, Inc.

Thank you for using FGL Environmental.

Sincerely,

Kelsey Harvey  Digitally signed by Kelsey Harvey
Title: Customer Service Rep
Date: 2023-09-08

Enclosure

Tested Result Sheet

Customer
FGL Environmental, Inc.
853 Corporation Street
Santa Paula, California, United States 93060

Sampled by: Client/Ben Waddell
Date: Aug 31, 2023
Date Received: Sep 06, 2023
Lab Location: Santa Maria

R23.04954-002 - Soil\Fertilizer

Product:	Soil	Sample Location:	Santa Paula, California	Date/Time:	08-31-2023
Sample ID:	Samp Num 1				
Additional Sample Information:	Method of Sampling: Composite (C) ; Type of Sample: S; Project: SP 2314901				

ANALYSIS REQUESTED MRS; Imazapyr

COMPOUND	AMOUNT	UNIT	COMMENTS
IMAZAPYR			
Imazapyr	ND	N/A	
METHYL CARBAMATES			
ND	N/A	N/A	LDL 0.01
ORGANOHALIDES			
DDT op'	0.03	ppm	
ORGANONITROGENS			
ND	N/A	N/A	LDL 0.01
ORGANOPHOSPHATES			
ND	N/A	N/A	LDL 0.01
COMMENTS:			
METHODS / LDLs:			
AOAC 2007.01 - QuEChERS. Unless otherwise noted, all Lower Detection Levels are at 0.01 ppm			
Amendments:			

MRLs provided by  **BCGLOBAL** PESTICIDE MRLS bryantchristie.com

0 GPS POINTS Available

ND = None detected
MRL = Maximum residue limit
US = United States

N/A = No MRL available
A = FDA Action Level

LDL = Lower detection limit
NT = No Tolerance

PPM = Parts per million
C = Canada

Tested Result Sheet

Disclaimer: This is a statement of the comparison between detected levels and the tolerance or MRLs of countries provided, and does not provide assurance that the product is acceptable to a buyer or meets the requirement of a governing body. PrimusLabs makes no warranties as to the method's capabilities. Chemicals listed and detection limits are those provided by the FDA unless otherwise specified. The "Maximum Residue Limits" (MRL) listed were acquired from external databases. The MRL values presented by Primus should be confirmed by the client or an agent of the client for accuracy. PrimusLabs' representation of the results of this laboratory analysis is limited to the analyzed sample only. PrimusLabs makes no representations of warranties about other portions of this commodity/lot. PrimusLabs' liability is limited to the cost of the laboratory test.

APPROVED BY	APPROVED DATE
 Tessie Valeriano / Residue Chemist	Sep 08, 2023

ISO/IEC 17025:2005-Pesticide Analysis of Food (QuEChERS Method). Japanese Ministry of Health, Labour and Welfare Registered Foreign Laboratory

Version 1 - R23.04954.002

Tested Result Sheet

Definition of compounds

Aldicarb (sum of Aldicarb, Aldicarb sulfone and Aldicarb sulfoxide)

BHC (sum of BHC-alpha, BHC-beta, BHC-delta)

Captan (sum of Captan and THPI--Tetrahydrophthalimide)

Chlordane (sum of nonachlor-cis, nonachlor-trans, chlordane-cis, and chlordane-trans)

DDT (sum of DDD-o,p', DDD-p,p', DDE-o,p', DDE-p,p', DDT-o,p', and DDT-p,p')

Diazinon (sum of Diazinon and Diazinon o-analogue)

Dicofol (sum of Dicofol-o,p' and Dicofol-p,p')

Dimethoate (Omethoate), Total (sum of omethate and dimethoate)

Disulfoton (sum of Disulfoton, Demeton-S and Disulfoton sulfone)

Endosulfan, Total (Sum of Endosulfan I, Endosulfan II and Endosulfan Sulfate)

Fenamiphos (sum of Fenamiphos, Fenamiphos sulfone and Fenamiphos sulfoxide)

Folpet (sum of Folpet and Phthalimide)

Malathion (sum of Malathion and Malaaxon)

Methoxychlor (sum of Methoxychlor-o,p and Methoxychlor-p,p')

Oxamyl (sum of Oxamyl and Oxamyl oxime)

Oxydemeton methyl (sum of Oxydemeton methyl and Oxydemeton methyl sulfone)

Phorate (sum of Phorate, Phorate sulfone and Phorate sulfoxide)

Pyrethrins (sum of Pyrethrin I and Pyrethrin II)