

April 8, 2025

Jordan and Bain Landscape Arch.

459 North Ventura Avenue
Ventura, CA 93001

Description : Turf Playfield
Project : EP Foster ES Turf Playfield

Lab ID : SP 2505131-001
Customer : 2014146

Sampled On : April 1, 2025
Sampled By : Jay Bain
Received On : April 2, 2025
Depth : N/A

Landscape Soil Analysis

Test Description	Result	Units	Optimum Range	Graphical Results Presentation				
Primary Nutrients				Very Low	Moderately Low	Optimum	Moderately High	Very High
Nitrate-Nitrogen	1.48	Lbs/1000ft	2.0 - 3.8					
Phosphorus-P ₂ O ₅	4.63	Lbs/1000ft	6.9 - 9.0					
Potassium-K ₂ O (Exch)	21.9	Lbs/1000ft	10 - 60					
Potassium-K ₂ O (Sol)	2.9	Lbs/1000ft	4.9 - 14		5%			
Secondary Nutrients								
Calcium (Exch)	364	Lbs/1000ft	260 - 340					
Calcium (Sol)	17.9	Lbs/1000ft	6.4 - 18				68%	
Magnesium (Exch)	31.7	Lbs/1000ft	26 - 52					
Magnesium (Sol)	3.35	Lbs/1000ft	1.5 - 4.9				21%	
Sodium (Exch)	3.3	Lbs/1000ft	0.0 - 25					
Sodium (Sol)	2.03	Lbs/1000ft	< 31				7%	
Sulfate	11.7	Lbs/1000ft	7.7 - 96					
Micro Nutrients								
Zinc	4.66	Lbs/1000ft	0.16 - 3.8					
Manganese	1.52	Lbs/1000ft	0.32 - 5.7					
Iron	5.60	Lbs/1000ft	1.4 - 7.0					
Copper	0.248	Lbs/1000ft	0.039 - 3.7					
Boron	0.0154	Lbs/1000ft	0.038 - 0.15					
Chloride	1.94	Lbs/1000ft	0.69 - 16					
CEC	23.3	meq/100g	14 - 35					
% Base Saturation								
CEC - Calcium	85.0	%	60 - 80					
CEC - Magnesium	12.2	%	10 - 20					
CEC - Potassium	2.18	%	1.0 - 6.0					
CEC - Sodium	0.670	%	0.0 - 5.0					
CEC - Hydrogen	< 1.00	%	0.0 - 3.0					
				Strongly Acidic	Moderately Acidic	Near Neutral	Moderately Alkaline	Strongly Alkaline
pH	7.1		6.5 - 7.5					



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Test Description	Result	Units	Optimum Range	Graphical Results Presentation							
Others				Satisfactory		Possible Problem		Moderate Problem		Increasing Problem	
Soil Salinity	1.05	dS/m	0.0 - 2.0								
SAR	0.4		0.0 - 6.0								
Limestone	1.6	%	0.0 - 0.50								
				0	1	2	3	4	5	6	
Lime Requirement	0	Tons/AF	---								
Gypsum Requirement	<0.50	Tons/AF	---								
				Loamy Sand	Sandy Loam	Loam	Silt Loam	Clay Loam	Clay	Organic	
Saturation	52.6	%	40 - 50								
				Mineral				Organic			
% Organic Matter	6.02	%	---								
Soil Texture				0-20	20-40	40-60	60-80	80-100			
% Sand	52.6	%	40 - 60								
% Silt	29.9	%	40 - 60								
% Clay	17.5	%	40 - 60								

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 appied incrementally at a maximum of 10 tons per acre per year and reanalyzed yearly after each application.

Soil pH & Limestone levels are important to consider when making plant selections. Soil pH levels above 7.0 are not suitable for acid loving plants. Soils containing limestone are not suitable for plants sensitive to Limestone.

Note: The Infiltration Rate is approximately 0.25 inches per hour based on soil texture.

BRW:EHB

Reviewed and Approved By Ben Waddell Digitally signed by Ben Waddell
Title: Director of Ag. Services
Date: 2025-04-08

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Recommendations for EP Foster ES Turf Playfield

The following report presents the results of analyses conducted on your soil. See page 4 for sample information and analyses results. The following recommendations are based upon the current conditions of the soil. All application recommendations are for each 1,000 square feet of growing area. Please be sure to read the standard application notes presented on page 3.

I. Plant Selection

The Analyses of this soil indicates the following plant selection requirements:

- A Select only non-acidic loving plants for this soil.
- B Select only those plants that have a slight or greater tolerance to free limestone for planting at this site.

II. Preplant Soil Amendments and Fertilizers

A Turf and Groundcover

1. Soil Amendments

Apply per 1000 sq. ft.

- a Organic (Well-composted) 6.00 cu. yds.
- b Limestone 0.00 lbs.
- c Soil Sulfur 25.00 lbs.

2. Fertilizers

Apply per 1000 sq. ft.

- a Nitrogen (N) 0.00 lbs.
- b Phosphorus (P2O5) 0.00 lbs.
- c Potassium (K2O) 0.00 lbs.
- d Magnesium (Mg) 0.00 lbs.
- e Zinc (Zn) 0.00 lbs.
- f Manganese (Mn) 0.00 lbs.
- g Iron (Fe) 0.00 lbs.
- h Copper (Cu) 0.00 lbs.
- i Boron (B) 0.01 lbs.



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B Tree and Shrub Backfill Mix

1. Native (site) soil	66%
2. Organic Soil Amendment	33%
3. Commercial Fertilizer (15-15-15)	1 lb./cu. yd.
4. Iron	2 oz./cu. yd.
5. Zinc	1 oz./cu. yd.
6. Manganese	1 oz./cu. yd.

When planting specifications do not call for a separate backfill mix, as specified above, use the same soil amended and prepared for your "turf and groundcover(II. A. 1,2)" on page 1 as your backfill mix for container plants, shrubs and trees.

III. Leaching Requirement

None

IV. Post-Plant Fertilization - lbs./1000 sq. ft. (To be applied 6 - 8 weeks after initial planting).

a Nitrogen	1/2 lb.
b Phosphorus	1/2 lb.
c Potassium	1/2 lb.

The actual post-plant requirements for fertilizers and soil amendments will vary depending upon the specific site conditions. Periodic post-plant analyses can be used to assure proper soil conditions and balanced levels of plant nutrition.

V. Irrigation

Make certain that the irrigation water being applied is penetrating to a depth slightly greater than the root zone of the plants being grown. Water with a frequency needed to maintain moist soil at all times - never wet for long periods and never let the soil dry out.

VI. Mulch (Surface Applied Organic Materials)

Surface mulching is not recommended based on the soil analysis. However, there are many benefits to applying mulches to landscape plantings. The primary benefits are water savings, weed control and improved soil physical,chemical and biological characteristics. Mulches also create a more aesthetically pleasing landscape. Mulches are usually applied to a depth of 3-6 inches and consist of numerous organic materials such as tree bark, wood shavings and shredded green waste materials. Mulches that consist of woody particles and larger particles breakdown more slowly and do not require replenishment nearly as often as other smaller size mulch materials. * Do not apply organic mulches directly to plants, trunks or crown areas. Always keep mulches 3-18 inches away from the crown of the plant or tree (3 inches for small plants - 18 inches for trees).

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Application Notes

The application instructions listed below apply only if the material(s) is recommended in this report on page 1. Materials not included in the recommendations are excluded either because the analyses data did not indicate a need or the analysis to determine if a need existed was not requested.

Organic Materials

Nitrolized redwood compost is preferred but other organic soil amendment mixes may be substituted depending upon the site requirements. Organic soil amendments should thoroughly be composted and certified free of weeds and pathogens. Particle size should be less than 1/2 inch in diameter and relatively uniform. Organic materials should be spread uniformly over the surface soils and should be incorporated to a depth of four to six inches.

Limestone, Dolomite & Sulfur

These materials should be broadcast uniformly over the surface soils and then incorporated to a depth of four to six inches.

Gypsum

This material should be broadcast uniformly over surface soils for water penetration. For best results do not incorporate.

Preplant Phosphorus, Zinc, Manganese, Iron & Copper

These materials should be broadcast uniformly over the surface soils and then incorporated to a depth of four to six inches. Post-plant applications can be surface applied for water penetration.

Nitrogen, Potassium & Magnesium

These materials are water soluble and can be applied uniformly over the soil surface, or they can be incorporated with other recommended materials. Magnesium sources for plant nutrition include Epsom salts (Magnesium Sulfate), and the double salt of Potassium-Magnesium Sulfate (Sulfate of Potash-magnesia).

CLIENT DETAILS SECTION I

Client: Jordan & Bain Landscape Architects, Inc.
☐ New Customer Customer Number: 2-14146
 Address: 459 N. Ventura Ave.
Ventura, CA 93001
 Contact Person: Jay Bain
 Office Phone: (805) 642-3641
 Cell Phone: _____
 E-Mail: john@jordan-gilbert.com
 Billing Information (if different from above)
 Name: Same
 Address: _____

 Contact Person: _____
 Office Phone: _____ Cell Phone: _____
 Email: _____
 PO: _____

* SHADED AREAS REQUIRED *
SAMPLING SECTION II

Sampler Name: Jay Bain
 Sampler Phone Number: (805) 642-3641
 Date of Sampling: 4/1/25
 Time: _____ Mileage: _____

OFFICE USE ONLY ORIGINAL

Lab Number: 2505131
 Lab Location: ☐ SP ☐ STK ☐ VI ☐ CH ☐ CC
 Irrigation Suitability Subject to Rush Surcharge: ☐
 QA/QC Report Required: ☐

(2014146)
Jordan and Bain Landscape Arch.
SP 2505131
 srp 04/02/2025 10:54:09

SAMPLE INFORMATION SECTION III

PROJECT/RANCH NAME: EP Foster ES Turf Playfield				
Sample #	Location/Description	Crop	Growth Stage	Sample Depth
1	<u>Turf Playfield</u>			

REMARKS SECTION IV

CUSTODY SECTION V

Relinquished by and subject to the terms and conditions on the reverse of this document:

Relinquished by: [Signature] Print Name: Arvaliz Date: 4/1/25 Time: 1558

Received by: [Signature] Print Name: S. Kool Date: 4/1/25 Time: 0858

Relinquished by: _____ Print Name: _____ Date: _____ Time: _____

Received by: _____ Print Name: _____ Date: _____ Time: _____

ANALYSES REQUESTED									
PLANT TISSUE ANALYSES					SOIL ANALYSES				
Recommendations: Yes (Y) No (N) P: _____ H: _____	Soil Texture: Light (L) Medium (M) Heavy (H) _____	Irrigation: Solid Set Sprinklers (SSS) Drip (D) _____	Furrow (F) Fanjet (FJ) Flood (FL) Drip (D) _____	Plant Condition: Very Good (VG) Good (G) Fair (F) Poor (P) _____	Comprehensive Leaf _____	Comprehensive Soil Suitability _____	Organic Amendment/Compost _____	% Organic Matter _____	Particle Size: () Hydrometer/Sand, Silt, Clay () Sieve _____
Other (List): _____	Comprehensive Petiole _____	Leaf/Petiole Combination _____	Other (List): _____	Comprehensive Root _____	Phytophthora: () Avocado () Citrus _____	Nematode: () Citrus () Parasitic _____	Plant-Disease Assay-Subcontracted _____	Botryosphacteria- Crop: _____	Irrigation Suitability: Rush () 3 Day () 5 Day _____
									Whole Fruit/Vegetable Analysis _____
									Multi-Residue Pesticide Screen-Subcontracted _____
									Subcontracted To: _____
									Subcontract Analysis: _____
									Other (List): _____