

lb/A

BROOKSIDE LABORATORIES, INC.

SOIL AUDIT AND INVENTORY REPORT

73606-26

Name Seven Oaks CC City Bakersfield State CA

Independent Consultant Soil and Water Consulting Date 10/7/2021

Sample Location	FAIRWAY	LAKES 4			
Sample Identification					
Lab Number		0550-1			
Total Exchange Capacity (ME/100 g)		7.24			
pH	Buffer (SMP/Sikora)	7.5			
	H ₂ O (1:1)	6.9			
Organic Matter (360°C LOI) %		3.07			
Estimated Nitrogen Release	lb/A	81			
ANIONS	SOLUBLE SULFUR*				
	ppm	27			
	MEHLICH III lb/A P as P ₂ O ₅	371			
	ppm of P	81			
	BRAY II lb/A P as P ₂ O ₅				
EXCHANGEABLE CATIONS	ppm of P				
	OLSEN lb/A P as P ₂ O ₅				
	ppm of P				
	CALCIUM* lb/A	1914			
	ppm	957			
EXCHANGEABLE CATIONS	MAGNESIUM* lb/A	246			
	ppm	123			
	POTASSIUM* lb/A	456			
	ppm	228			
	SODIUM* lb/A	188			
EXCHANGEABLE CATIONS	ppm	94			
BASE SATURATION PERCENT					
	Calcium %	66.09			
	Magnesium %	14.16			
	Potassium %	8.07			
	Sodium %	5.64			
	Other Bases %	4.50			
	Hydrogen %	1.50			
EXTRACTABLE MINORS					
	Boron* (ppm)	0.68			
	Iron* (ppm)	302			
	Manganese* (ppm)	26			
	Copper* (ppm)	0.97			
	Zinc* (ppm)	6.78			
	Aluminum* (ppm)	185			
OTHER TESTS	Soluble Salts (mmhos/cm)				
	Chlorides (ppm)				
	NO ₃ -N (ppm)	4.6			
	NH ₄ -N (ppm)	1.6			

* Mehlich III Extractable

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Sample Location		FAIRWAY	OAKS 4				
Sample Identification							
Lab Number			0551-1				
Total Exchange Capacity (ME/100 g)			8.71				
pH	Buffer (SMP/Sikora)	a	NA				
	H ₂ O (1:1)		7.8				
Organic Matter (360°C LOI) %			3.37				
Estimated Nitrogen Release		lb/A	84				
ANIONS	SOLUBLE SULFUR*						
	PHOSPHORUS		ppm	28			
		MEHLICH III	lb/A P as P ₂ O ₅	224			
			ppm of P	49			
		BRAY II	lb/A P as P ₂ O ₅				
		ppm of P					
	OLSEN	lb/A P as P ₂ O ₅					
		ppm of P					
EXCHANGEABLE CATIONS	CALCIUM*		lb/A	2416			
		ppm	1208				
	MAGNESIUM*		lb/A	350			
		ppm	175				
	POTASSIUM*		lb/A	212			
		ppm	106				
	SODIUM*		lb/A	288			
		ppm	144				
BASE SATURATION PERCENT							
Calcium		%	69.35				
Magnesium		%	16.74				
Potassium		%	3.12				
Sodium		%	7.19				
Other Bases		%	3.60				
Hydrogen		%	0.00				
EXTRACTABLE MINORS							
Boron* (ppm)			1.17				
Iron* (ppm)			235				
Manganese* (ppm)			38				
Copper* (ppm)			1.63				
Zinc* (ppm)			6.23				
Aluminum* (ppm)			165				
OTHER TESTS	Soluble Salts (mmhos/cm)						
	Chlorides (ppm)						
	NO ₃ -N (ppm)			2.5			
	NH ₄ -N (ppm)			0.8			

a - alkaline soil

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Independent Consultant Soil and Water Consulting Date 10/7/2021

Sample Location	FAIRWAY	ISLAND 4			
Sample Identification					
Lab Number		0552-1			
Total Exchange Capacity (ME/100 g)		5.31			
pH	Buffer (SMP/Sikora)	7.5			
	H ₂ O (1:1)	6.6			
Organic Matter (360°C LOI) %		1.89			
Estimated Nitrogen Release	lb/A	58			
ANIONS	SOLUBLE SULFUR*				
	ppm	12			
	MEHLICH III lb/A P as P ₂ O ₅	160			
	ppm of P	35			
	BRAY II lb/A P as P ₂ O ₅				
EXCHANGEABLE CATIONS	ppm of P				
	OLSEN lb/A P as P ₂ O ₅				
	ppm of P				
	CALCIUM* lb/A	1466			
	ppm	733			
BASE SATURATION PERCENT	MAGNESIUM* lb/A	132			
	ppm	66			
	POTASSIUM* lb/A	212			
	ppm	106			
	SODIUM* lb/A	116			
EXTRACTABLE MINORS	ppm	58			
	Calcium %	69.02			
	Magnesium %	10.36			
	Potassium %	5.12			
	Sodium %	4.75			
OTHER TESTS	Other Bases %	4.80			
	Hydrogen %	6.00			
	Boron* (ppm)	0.62			
	Iron* (ppm)	120			
	Manganese* (ppm)	18			
OTHER TESTS	Copper* (ppm)	0.60			
	Zinc* (ppm)	5.81			
	Aluminum* (ppm)	140			
	Soluble Salts (mmhos/cm)				
	Chlorides (ppm)				
OTHER TESTS	NO ₃ -N (ppm)	9.1			
	NH ₄ -N (ppm)	1.7			

* Mehlich III Extractable