

lb/A

BROOKSIDE LABORATORIES, INC.

SOIL AUDIT AND INVENTORY REPORT

73606-34

Name Seven Oaks CC City Bakersfield State CAIndependent Consultant Soil and Water Consulting Date 3/21/2024

Sample Location			OAKS	TEE				
Sample Identification				2				
Lab Number				0279-1				
Total Exchange Capacity (ME/100 g)				7.30				
pH (H ₂ O 1:1)				7.1				
Organic Matter (360°C LOI) %				4.01				
Estimated Nitrogen Release			lb/A	90				
ANIONS	SOLUBLE SULFUR*			ppm	11			
	PHOSPHORUS	MEHLICH III	lb/A P as P ₂ O ₅	ppm of P				
		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	14 3			
EXCHANGEABLE CATIONS	CALCIUM*		lb/A	2420				
			ppm	1210				
	MAGNESIUM*		lb/A	124				
			ppm	62				
	POTASSIUM*		lb/A	188				
			ppm	94				
	SODIUM*		lb/A	84				
			ppm	42				
BASE SATURATION PERCENT								
Calcium %				82.88				
Magnesium %				7.08				
Potassium %				3.30				
Sodium %				2.50				
Other Bases %				4.30				
Hydrogen %				0.00				
EXTRACTABLE MINORS								
Boron** (ppm)				0.75				
Iron** (ppm)				323				
Manganese** (ppm)				9				
Copper** (ppm)				1.73				
Zinc** (ppm)				9.67				
Aluminum** (ppm)				135				
OTHER TESTS	Soluble Salts (mmhos/cm)							
	Chlorides (ppm)							
	NO3-N (ppm)			3.9				
	NH4-N (ppm)			6.6				

* Ammonium Acetate Extractable (pH of 8.1)

** Mehlich III Extractable

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Sample Location	LAKES	TEE				
Sample Identification		2				
Lab Number		0280-1				
Total Exchange Capacity (ME/100 g)		8.96				
pH (H ₂ O 1:1)		7.1				
Organic Matter (360°C LOI) %		3.46				
Estimated Nitrogen Release lb/A		85				
ANIONS	SOLUBLE SULFUR*	ppm	17			
	MEHLICH III lb/A P as P ₂ O ₅	ppm of P				
	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	128 28			
EXCHANGEABLE CATIONS	CALCIUM*	lb/A	2746			
		ppm	1373			
	MAGNESIUM*	lb/A	218			
		ppm	109			
	POTASSIUM*	lb/A	454			
		ppm	227			
	SODIUM*	lb/A	102			
		ppm	51			
BASE SATURATION PERCENT						
	Calcium %		76.62			
	Magnesium %		10.14			
	Potassium %		6.50			
	Sodium %		2.47			
	Other Bases %		4.30			
	Hydrogen %		0.00			
EXTRACTABLE MINORS						
	Boron** (ppm)		0.83			
	Iron** (ppm)		402			
	Manganese** (ppm)		13			
	Copper** (ppm)		1.47			
	Zinc** (ppm)		9.28			
	Aluminum** (ppm)		234			
OTHER TESTS	Soluble Salts (mmhos/cm)					
	Chlorides (ppm)					
	NO3-N (ppm)		2.4			
	NH4-N (ppm)		2.8			

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Sample Location			ISLANDS	TEE				
Sample Identification				2				
Lab Number				0281-1				
Total Exchange Capacity (ME/100 g)				12.27				
pH (H ₂ O 1:1)				a 7.8				
Organic Matter (360°C LOI) %				3.54				
Estimated Nitrogen Release			lb/A	85				
ANIONS	SOLUBLE SULFUR*			ppm	7			
	PHOSPHORUS	MEHLICH III	lb/A	P as P ₂ O ₅ ppm of P				
		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	< 9 < 2			
EXCHANGEABLE CATIONS	CALCIUM*		lb/A	4184				
			ppm	2092				
	MAGNESIUM*		lb/A	216				
			ppm	108				
	POTASSIUM*		lb/A	202				
			ppm	101				
	SODIUM*		lb/A	96				
			ppm	48				
BASE SATURATION PERCENT								
Calcium %				85.25				
Magnesium %				7.33				
Potassium %				2.11				
Sodium %				1.70				
Other Bases %				3.60				
Hydrogen %				0.00				
EXTRACTABLE MINORS								
Boron** (ppm)				1.15				
Iron** (ppm)				214				
Manganese** (ppm)				28				
Copper** (ppm)				2.26				
Zinc** (ppm)				10.87				
Aluminum** (ppm)				171				
OTHER TESTS	Soluble Salts (mmhos/cm)							
	Chlorides (ppm)							
	NO3-N (ppm)			6.8				
	NH4-N (ppm)			1.5				

a - alkaline soil

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Name Seven Oaks CC City Bakersfield State CAIndependent Consultant Soil and Water Consulting Date 3/21/2024

Sample Location			OAKS	GREEN				
Sample Identification				2				
Lab Number				0285-1				
Total Exchange Capacity (ME/100 g)				6.81				
pH (H ₂ O 1:1)				a 7.9				
Organic Matter (360°C LOI) %				1.03				
Estimated Nitrogen Release			lb/A	41				
ANIONS	SOLUBLE SULFUR*			ppm	29			
	PHOSPHORUS	MEHLICH III	lb/A P as P ₂ O ₅ ppm of P					
		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	87 19				
EXCHANGEABLE CATIONS	CALCIUM*		lb/A	2184				
			ppm	1092				
	MAGNESIUM*		lb/A	122				
			ppm	61				
	POTASSIUM*		lb/A	358				
			ppm	179				
	SODIUM*		lb/A	66				
			ppm	33				
BASE SATURATION PERCENT								
Calcium %				80.18				
Magnesium %				7.46				
Potassium %				6.74				
Sodium %				2.11				
Other Bases %				3.50				
Hydrogen %				0.00				
EXTRACTABLE MINORS								
Boron** (ppm)				1.08				
Iron** (ppm)				211				
Manganese** (ppm)				100				
Copper** (ppm)				4.71				
Zinc** (ppm)				17.55				
Aluminum** (ppm)				132				
OTHER TESTS	Soluble Salts (mmhos/cm)							
	Chlorides (ppm)							
	NO3-N (ppm)			0.6				
	NH4-N (ppm)			1.1				

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Name Seven Oaks CC City Bakersfield State CAIndependent Consultant Soil and Water Consulting Date 3/21/2024

Sample Location	LAKES	GREEN				
Sample Identification		2				
Lab Number		0286-1				
Total Exchange Capacity (ME/100 g)		8.04				
pH (H ₂ O 1:1)		a 7.9				
Organic Matter (360°C LOI) %		1.35				
Estimated Nitrogen Release lb/A		47				
ANIONS	SOLUBLE SULFUR*	ppm	32			
	MEHLICH III	lb/A P as P ₂ O ₅ ppm of P				
	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	101 22			
EXCHANGEABLE CATIONS	CALCIUM*	lb/A ppm	2568 1284			
	MAGNESIUM*	lb/A ppm	148 74			
	POTASSIUM*	lb/A ppm	440 220			
	SODIUM*	lb/A ppm	72 36			
BASE SATURATION PERCENT						
	Calcium	%	79.85			
	Magnesium	%	7.67			
	Potassium	%	7.02			
	Sodium	%	1.95			
	Other Bases	%	3.50			
	Hydrogen	%	0.00			
EXTRACTABLE MINORS						
	Boron** (ppm)		1.05			
	Iron** (ppm)		237			
	Manganese** (ppm)		95			
	Copper** (ppm)		4.63			
	Zinc** (ppm)		13.90			
	Aluminum** (ppm)		136			
OTHER TESTS	Soluble Salts (mmhos/cm)					
	Chlorides (ppm)					
	NO ₃ -N (ppm)		1.1			
	NH ₄ -N (ppm)		1.2			

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Name Seven Oaks CC City Bakersfield State CAIndependent Consultant Soil and Water Consulting Date 3/21/2024

Sample Location			ISLANDS	GREEN				
Sample Identification				2				
Lab Number				0287-1				
Total Exchange Capacity (ME/100 g)				3.96				
pH (H ₂ O 1:1)				a 7.9				
Organic Matter (360°C LOI) %				0.71				
Estimated Nitrogen Release lb/A				28				
ANIONS	SOLUBLE SULFUR* ppm			17				
	PHOSPHORUS	MEHLICH III lb/A P as P ₂ O ₅ ppm of P						
		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	27 6					
EXCHANGEABLE CATIONS	CALCIUM*		lb/A	1190				
			ppm	595				
	MAGNESIUM*		lb/A	118				
			ppm	59				
	POTASSIUM*		lb/A	218				
			ppm	109				
	SODIUM*		lb/A	36				
			ppm	18				
BASE SATURATION PERCENT								
Calcium %				75.13				
Magnesium %				12.42				
Potassium %				7.06				
Sodium %				1.98				
Other Bases %				3.50				
Hydrogen %				0.00				
EXTRACTABLE MINORS								
Boron** (ppm)				0.69				
Iron** (ppm)				151				
Manganese** (ppm)				86				
Copper** (ppm)				2.98				
Zinc** (ppm)				10.04				
Aluminum** (ppm)				118				
OTHER TESTS	Soluble Salts (mmhos/cm)							
	Chlorides (ppm)							
	NO3-N (ppm)			0.7				
	NH4-N (ppm)			1.2				

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