

lb/A

BROOKSIDE LABORATORIES, INC.

SOIL AUDIT AND INVENTORY REPORT

82218-10

Name City of Kingman-Parks City _____ State _____Independent Consultant Soil and Water Consulting Date 10/10/2024

Sample Location		CENTENIAL PARK	FOOTBALL	NORTH	SOUTH		
Sample Identification			FIELD	SOCCER	SOCCER		
Lab Number			0250-1	0251-1	0252-1		
Total Exchange Capacity (ME/100 g)			21.29	19.32	22.58		
pH (H ₂ O 1:1)			a 8.1	a 7.7	a 7.8		
Organic Matter (360°C LOI) %			3.63	4.72	5.18		
Estimated Nitrogen Release lb/A			86	97	101		
ANIONS	SOLUBLE SULFUR*	ppm	36	27	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	211 46	128 28	220 48		
EXCHANGEABLE CATIONS	CALCIUM*	lb/A ppm	5632 2816	4638 2319	5542 2771		
	MAGNESIUM*	lb/A ppm	1206 603	1284 642	1434 717		
	POTASSIUM*	lb/A ppm	752 376	1002 501	1150 575		
	SODIUM*	lb/A ppm	238 119	172 86	212 106		
BASE SATURATION PERCENT							
	Calcium	%	66.13	60.02	61.36		
	Magnesium	%	23.60	27.69	26.46		
	Potassium	%	4.53	6.65	6.53		
	Sodium	%	2.43	1.94	2.04		
	Other Bases	%	3.30	3.70	3.60		
	Hydrogen	%	0.00	0.00	0.00		
EXTRACTABLE MINORS							
	Boron** (ppm)		2.25	1.89	1.83		
	Iron** (ppm)		74	68	80		
	Manganese** (ppm)		73	56	55		
	Copper** (ppm)		2.64	2.22	2.78		
	Zinc** (ppm)		10.38	14.56	11.55		
	Aluminum** (ppm)		171	136	129		
OTHER TESTS	Soluble Salts (mmhos/cm)						
	Chlorides (ppm)						
	NO ₃ -N (ppm)		34.5	36.2	22.4		
	NH ₄ -N (ppm)		45.5	35.5	4.8		

a - alkaline soil

* Ammonium Acetate Extractable (pH of 8.1)

** Mehlich III Extractable