

lb/A

BROOKSIDE LABORATORIES, INC.

SOIL AUDIT AND INVENTORY REPORT

47746-37

Name Dragon Ridge C.C. City Henderson State NVIndependent Consultant Soil and Water Consulting Date 9/18/2023

Sample Location	GREEN	1	3			
Sample Identification						
Lab Number		0145-1	0146-1			
Total Exchange Capacity (ME/100 g)		6.87	4.84			
pH (H ₂ O 1:1)		a 8.3	a 8.4			
Organic Matter (360°C LOI) %		0.56	0.58			
Estimated Nitrogen Release lb/A		22	23			
ANIONS	SOLUBLE SULFUR*	ppm	11	9		
	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	32 7		
EXCHANGEABLE CATIONS	CALCIUM*	lb/A ppm	1988 994	1414 707		
	MAGNESIUM*	lb/A ppm	310 155	214 107		
	POTASSIUM*	lb/A ppm	148 74	72 36		
	SODIUM*	lb/A ppm	96 48	80 40		
BASE SATURATION PERCENT						
	Calcium	%	72.34	73.04		
	Magnesium	%	18.80	18.42		
	Potassium	%	2.76	1.91		
	Sodium	%	3.04	3.59		
	Other Bases	%	3.10	3.00		
	Hydrogen	%	0.00	0.00		
EXTRACTABLE MINORS						
	Boron** (ppm)		0.28	0.34		
	Iron** (ppm)		45	40		
	Manganese** (ppm)		10	9		
	Copper** (ppm)		0.70	< 0.2		
	Zinc** (ppm)		1.09	0.61		
	Aluminum** (ppm)		61	41		
OTHER TESTS	Soluble Salts (mmhos/cm)					
	Chlorides (ppm)					
	NO ₃ -N (ppm)		0.8	1.6		
	NH ₄ -N (ppm)		2.7	2.1		

a - alkaline soil

* Ammonium Acetate Extractable (pH of 8.1)

** Mehlich III Extractable

lb/A

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Sample Location	GREEN	6	P.G.			
Sample Identification						
Lab Number		0147-1	0148-1			
Total Exchange Capacity (ME/100 g)		6.67	4.67			
pH (H ₂ O 1:1)		a 8.4	a 8.3			
Organic Matter (360°C LOI) %		0.64	0.55			
Estimated Nitrogen Release lb/A		26	22			
ANIONS	SOLUBLE SULFUR*	ppm	16	8		
	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	69 15	50 11		
EXCHANGEABLE CATIONS	CALCIUM*	lb/A ppm	1852 926	1406 703		
	MAGNESIUM*	lb/A ppm	374 187	178 89		
	POTASSIUM*	lb/A ppm	92 46	92 46		
	SODIUM*	lb/A ppm	74 37	70 35		
BASE SATURATION PERCENT						
	Calcium	%	69.42	75.27		
	Magnesium	%	23.36	15.88		
	Potassium	%	1.77	2.53		
	Sodium	%	2.41	3.26		
	Other Bases	%	3.00	3.10		
	Hydrogen	%	0.00	0.00		
EXTRACTABLE MINORS						
	Boron** (ppm)		0.31	0.22		
	Iron** (ppm)		38	38		
	Manganese** (ppm)		10	10		
	Copper** (ppm)		< 0.2	0.20		
	Zinc** (ppm)		3.58	0.79		
	Aluminum** (ppm)		35	42		
OTHER TESTS	Soluble Salts (mmhos/cm)					
	Chlorides (ppm)					
	NO ₃ -N (ppm)		3.8	2.7		
	NH ₄ -N (ppm)		2.6	< 0.5		

a - alkaline soil

* Ammonium Acetate Extractable (pH of 8.1)

** Mehlich III Extractable