

lb/A

BROOKSIDE LABORATORIES, INC.

SOIL AUDIT AND INVENTORY REPORT

47746-40

Name Dragon Ridge C.C. City Henderson State NVIndependent Consultant Soil and Water Consulting Date 6/24/2024

Sample Location	TEE	3	12			
Sample Identification						
Lab Number		1640-1	1641-1			
Total Exchange Capacity (ME/100 g)		7.64	7.57			
pH (H ₂ O 1:1)		7.2	^a 7.5			
Organic Matter (360°C LOI) %		2.98	2.73			
Estimated Nitrogen Release	lb/A	80	75			
ANIONS	SOLUBLE SULFUR*	ppm	147	81		
	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				
EXCHANGEABLE CATIONS	OLSEN	lb/A P as P ₂ O ₅ ppm of P	92 20	165 36		
	CALCIUM*	lb/A ppm	1886 943	2076 1038		
	MAGNESIUM*	lb/A ppm	254 127	240 120		
	POTASSIUM*	lb/A ppm	202 101	218 109		
	SODIUM*	lb/A ppm	594 297	372 186		
BASE SATURATION PERCENT						
	Calcium	%	61.71	68.56		
	Magnesium	%	13.85	13.21		
	Potassium	%	3.39	3.69		
	Sodium	%	16.90	10.68		
	Other Bases	%	4.20	3.90		
	Hydrogen	%	0.00	0.00		
EXTRACTABLE MINORS						
	Boron** (ppm)		1.36	1.10		
	Iron** (ppm)		206	228		
	Manganese** (ppm)		13	29		
	Copper** (ppm)		7.22	6.56		
	Zinc** (ppm)		15.64	17.88		
	Aluminum** (ppm)		58	98		
OTHER TESTS	Soluble Salts (mmhos/cm)					
	Chlorides (ppm)					
	NO ₃ -N (ppm)		9.4	5.8		
	NH ₄ -N (ppm)		7.5	4.7		

a - alkaline soil

* Ammonium Acetate Extractable (pH of 8.1)

** Mehlich III Extractable

lb/A

BROOKSIDE LABORATORIES, INC.

SOIL AUDIT AND INVENTORY REPORT

47746-40

Name Dragon Ridge C.C. City Henderson State NVIndependent Consultant Soil and Water Consulting Date 6/24/2024

Sample Location			FAIRWAY	3	12			
Sample Identification								
Lab Number				1642-1	1643-1			
Total Exchange Capacity (ME/100 g)				9.14	8.81			
pH (H ₂ O 1:1)				a 7.6	a 7.8			
Organic Matter (360°C LOI) %				2.15	1.78			
Estimated Nitrogen Release lb/A				63	56			
ANIONS	SOLUBLE SULFUR* ppm			91	128			
	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	115 25	137 30				
EXCHANGEABLE CATIONS	CALCIUM*		lb/A	2406	2288			
			ppm	1203	1144			
	MAGNESIUM*		lb/A	302	270			
			ppm	151	135			
	POTASSIUM*		lb/A	226	238			
			ppm	113	119			
	SODIUM*		lb/A	566	616			
			ppm	283	308			
BASE SATURATION PERCENT								
Calcium %				65.81	64.93			
Magnesium %				13.77	12.77			
Potassium %				3.17	3.46			
Sodium %				13.46	15.20			
Other Bases %				3.80	3.60			
Hydrogen %				0.00	0.00			
EXTRACTABLE MINORS								
Boron** (ppm)				1.51	1.67			
Iron** (ppm)				163	175			
Manganese** (ppm)				20	21			
Copper** (ppm)				4.36	3.87			
Zinc** (ppm)				18.34	19.79			
Aluminum** (ppm)				39	25			
OTHER TESTS	Soluble Salts (mmhos/cm)							
	Chlorides (ppm)							
	NO3-N (ppm)			15.2	15.8			
	NH4-N (ppm)			< 0.5	< 0.5			

a - alkaline soil

* Ammonium Acetate Extractable (pH of 8.1)

** Mehlich III Extractable

lb/A

BROOKSIDE LABORATORIES, INC.

SOIL AUDIT AND INVENTORY REPORT

47746-40

Name Dragon Ridge C.C. City Henderson State NVIndependent Consultant Soil and Water Consulting Date 6/24/2024

Sample Location	GREEN	PG	3	12		
Sample Identification						
Lab Number		1644-1	1645-1	1646-1		
Total Exchange Capacity (ME/100 g)		5.84	6.06	6.32		
pH (H ₂ O 1:1)		a 8.6	a 8.4	a 8.7		
Organic Matter (360°C LOI) %		0.52	0.44	0.49		
Estimated Nitrogen Release lb/A		21	18	20		
ANIONS	SOLUBLE SULFUR*	ppm	30	22	15	
	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	23 5	18 4	55 12	
EXCHANGEABLE CATIONS	CALCIUM*	lb/A	1764	1880	1986	
		ppm	882	940	993	
	MAGNESIUM*	lb/A	184	176	184	
		ppm	92	88	92	
	POTASSIUM*	lb/A	186	152	158	
		ppm	93	76	79	
	SODIUM*	lb/A	122	116	98	
		ppm	61	58	49	
BASE SATURATION PERCENT						
	Calcium	%	75.51	77.56	78.56	
	Magnesium	%	13.13	12.10	12.13	
	Potassium	%	4.08	3.22	3.21	
	Sodium	%	4.54	4.16	3.37	
	Other Bases	%	2.80	3.00	2.70	
	Hydrogen	%	0.00	0.00	0.00	
EXTRACTABLE MINORS						
	Boron** (ppm)		0.62	0.53	0.64	
	Iron** (ppm)		53	47	54	
	Manganese** (ppm)		28	14	23	
	Copper** (ppm)		0.36	0.27	0.34	
	Zinc** (ppm)		0.90	1.24	1.12	
	Aluminum** (ppm)		41	39	9	
OTHER TESTS	Soluble Salts (mmhos/cm)					
	Chlorides (ppm)					
	NO ₃ -N (ppm)		< 0.5	< 0.5	< 0.5	
	NH ₄ -N (ppm)		39.8	< 0.5	51.8	

a - alkaline soil

* Ammonium Acetate Extractable (pH of 8.1)

** Mehlich III Extractable