

# BROOKSIDE LABORATORIES, INC.

## SOIL AUDIT AND INVENTORY REPORT

Name Brookside Laboratories, Inc. City New Knoxville State OH

Independent Consultant Home Office Date 05/03/2000

Sample Location	Green	15			
Sample Identification					
Lab Number		0001-2			
Total Exchange Capacity (ME/100 g)		13.97			
pH (H <sub>2</sub> O 1:1)	a	7.9			
Organic Matter (humus) %		0.43			
Estimated Nitrogen Release	lb/A	17			
<b>ANIONS</b>	<b>SOLUBLE SULFUR*</b> ppm		17		
	<b>PHOSPHORUS</b>	MEHLICH III lb/A P as P <sub>2</sub> O <sub>5</sub> ppm of P	311 68		
		BRAY II lb/A P as P <sub>2</sub> O <sub>5</sub> ppm of P	302 66		
		OLSEN lb/A P as P <sub>2</sub> O <sub>5</sub> ppm of P			
<b>EXCHANGEABLE CATIONS</b>	CALCIUM*	lb/A _____ ppm _____	4646 2323		
	MAGNESIUM*	lb/A _____ ppm _____	398 199		
	POTASSIUM*	lb/A _____ ppm _____	114 57		
	SODIUM*	lb/A _____ ppm _____	28 14		
	<b>BASE SATURATION PERCENT</b>				
	Calcium %		83.14		
	Magnesium %		11.87		
	Potassium %		1.05		
	Sodium %		0.44		
	Other Bases %		3.50		
	Hydrogen %		0.00		
<b>EXTRACTABLE MINORS</b>					
	Boron* (ppm)		0.49		
	Iron* (ppm)		137		
	Manganese* (ppm)		48		
	Copper* (ppm)		2.18		
	Zinc* (ppm)		10.97		
	Aluminum* (ppm)		58		
<b>OTHER TESTS</b>	Soluble Salts (mmhos/cm)				
	Chlorides (ppm)				

a - alkaline soil

\* Mehlich III Extractable

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Sample Location		Farm	A				
Sample Identification							
Lab Number			0002-2				
Total Exchange Capacity (ME/100 g)			14.90				
pH	Buffer (SMP/Sikora)		6.8				
	H <sub>2</sub> O (1:1)		6.5				
Organic Matter (humus) %			3.18				
Estimated Nitrogen Release		lb/A	82				
<b>ANIONS</b>	SOLUBLE SULFUR* ppm		16				
	<b>PHOSPHORUS</b>	MEHLICH III lb/A P as P <sub>2</sub> O <sub>5</sub>	238				
			ppm of P	52			
		BRAY II lb/A P as P <sub>2</sub> O <sub>5</sub>					
		ppm of P					
	OLSEN lb/A P as P <sub>2</sub> O <sub>5</sub>						
		ppm of P					
<b>EXCHANGEABLE CATIONS</b>	CALCIUM*		lb/A	4364			
			ppm	2182			
	MAGNESIUM*		lb/A	468			
			ppm	234			
	POTASSIUM*		lb/A	228			
		ppm	114				
SODIUM*		lb/A	34				
		ppm	17				
<b>BASE SATURATION PERCENT</b>							
	Calcium	%	73.22				
	Magnesium	%	13.09				
	Potassium	%	1.96				
	Sodium	%	0.50				
	Other Bases	%	NA				
	Hydrogen	%	11.25				
<b>EXTRACTABLE MINORS</b>							
	Boron* (ppm)		0.56				
	Iron* (ppm)		190				
	Manganese* (ppm)		53				
	Copper* (ppm)		2.20				
	Zinc* (ppm)		2.10				
	Aluminum* (ppm)		844				
<b>OTHER TESTS</b>	Soluble Salts (mmhos/cm)						
	Chlorides (ppm)						

\* Mehlich III Extractable