lb/A

38734-16

BROOKSIDE LABORATORIES, INC.

SOIL AUDIT AND INVENTORY REPORT

Name Ringler Feedlots City Marengo State OH

Independent Consultant Brookside Consultants of Ohio, Inc. Date 07/10/2014

MOQ-05-01

Sample Location CARDINGTON			6217			
Sample Identification			2458-1			
Lab Number			0334-1			
Total Exchange Capacity (ME/100 g)			15.64			
pH (H_2O 1:1)			5.6			
Organic Matter (humus) %			2.61			
Estimated Nitrogen Release		lb/A	72			
ANIONS	SOLUBLE SULFUR*	ppm	10			
PHOSPHORUS	MEHLICH III	lb/A P as P_2O_5	69			
		ppm of P	15			
	BRAY II	lb/A P as P_2O_5	96			
		ppm of P	21			
	OLSEN	lb/A P as P_2O_5				
		ppm of P				
EXCHANGEABLE CATIONS	CALCIUM*	lb/A	3152			
		ppm	1576			
	MAGNESIUM*	lb/A	530			
		ppm	265			
	POTASSIUM*	lb/A	210			
		ppm	105			
	SODIUM*	lb/A	40			
		ppm	20			
BASE SATURATION PERCENT						
Calcium		%	50.38			
Magnesium		%	14.12			
Potassium		%	1.72			
Sodium		%	0.56			
Other Bases		%	6.20			
Hydrogen		%	27.00			
EXTRACTABLE MINORS						
Boron* (ppm)			0.28			
Iron* (ppm)			157			
Manganese* (ppm)			31			
Copper* (ppm)			2.09			
Zinc* (ppm)			1.13			
Aluminum* (ppm)			892			
OTHER TESTS	Soluble Salts (mmhos/cm)					
	Chlorides (ppm)					

* Mehlich III Extractable