lb/A

38734-17

BROOKSIDE LABORATORIES, INC.

SOIL AUDIT AND INVENTORY REPORT

Name Ringler Feedlots City Marengo State OH

Independent Consultant Brookside Consultants of Ohio, Inc. Date 07/29/2014

MOQ-06-01

Sample Location ASHLEY			TH40A	TH40A		
Sample Identification			1	2		
Lab Number			0011-1	0012-1		
Total Exchange Capacity (ME/100 g)			15.81	13.92		
pH (H_2O 1:1)			5.9	6.1		
Organic Matter (humus) %			2.00	2.19		
Estimated Nitrogen Release		lb/A	60	64		
ANIONS	SOLUBLE SULFUR*	ppm	10	7		
PHOSPHORUS	MEHLICH III	lb/A P as P_2O_5	115	96		
		ppm of P	25	21		
	BRAY II	lb/A P as P_2O_5	174	119		
		ppm of P	38	26		
	OLSEN	lb/A P as P_2O_5				
		ppm of P				
EXCHANGEABLE CATIONS	CALCIUM*	lb/A	3508	3422		
		ppm	1754	1711		
	MAGNESIUM*	lb/A	658	558		
		ppm	329	279		
	POTASSIUM*	lb/A	336	254		
		ppm	168	127		
	SODIUM*	lb/A	62	52		
		ppm	31	26		
BASE SATURATION PERCENT						
Calcium		%	55.47	61.46		
Magnesium		%	17.34	16.70		
Potassium		%	2.72	2.34		
Sodium		%	0.85	0.81		
Other Bases		%	5.60	5.20		
Hydrogen		%	18.00	13.50		
EXTRACTABLE MINORS						
Boron* (ppm)			0.38	0.40		
Iron* (ppm)			289	234		
Manganese* (ppm)			43	40		
Copper* (ppm)			2.63	2.69		
Zinc* (ppm)			1.99	1.52		
Aluminum* (ppm)			968	873		
OTHER TESTS	Soluble Salts (mmhos/cm)					
	Chlorides (ppm)					

* Mehlich III Extractable