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-05-03

Sample Location	CARDINGTON			6217	6217	6217	
Sample Identification				2466-1	2466-2	2466-3	
Lab Number				0336-1	0337-1	0338-1	
Total Exchange Capacity (ME/100 g)				16.54	16.12	18.66	
pH (H_2O 1:1)				6.0	5.5	6.0	
Organic Matter (humus) %				3.52	2.99	3.65	
Estimated Nitrogen Release			lb/A	85	80	86	
ANIONS	SOLUBLE SULFUR*		ppm	8	9	8	
	PHOSPHORUS	MEHLICH III	lb/A P as P_2O_5	105	73	69	
			ppm of P	23	16	15	
		BRAY II	lb/A P as P_2O_5	188	115	110	
			ppm of P	41	25	24	
		OLSEN	lb/A P as P_2O_5				
			ppm of P				
EXCHANGEABLE CATIONS	CALCIUM*		lb/A	4236	3196	4506	
			ppm	2118	1598	2253	
	MAGNESIUM*		lb/A	536	462	780	
			ppm	268	231	390	
	POTASSIUM*		lb/A	192	210	196	
			ppm	96	105	98	
	SODIUM*		lb/A	44	32	40	
			ppm	22	16	20	
BASE SATURATION PERCENT							
Calcium			%	64.03	49.57	60.37	
Magnesium			%	13.50	11.94	17.42	
Potassium			%	1.49	1.67	1.35	
Sodium			%	0.58	0.43	0.47	
Other Bases			%	5.40	6.40	5.40	
Hydrogen			%	15.00	30.00	15.00	
EXTRACTABLE MINORS							
Boron* (ppm)				0.33	0.29	0.43	
Iron* (ppm)				313	191	168	
Manganese* (ppm)				14	36	25	
Copper* (ppm)				5.59	3.68	3.75	
Zinc* (ppm)				3.60	1.80	1.32	
Aluminum* (ppm)				716	809	826	
OTHER TESTS	Soluble Salts (mmhos/cm)						
	Chlorides (ppm)						

* Mehlich III Extractable