lb/A

BROOKSIDE LABORATORIES, INC.

34091-1

SOIL AUDIT AND INVENTORY REPORT

Name Pitstick Pork Farm, Inc. City Fairborn State OH

Independent Consultant Menke Consulting, Inc. Date 02/26/2016

Sample Location	SEHBI FARM		S-1		S-1	
Sample Identification			A		C	
Lab Number			0006-1		0007-1	
Total Exchange Capacity (ME/100 g)			5.45		10.26	
pH	Buffer (SMP/Skora)		7.1		7.2	
	H_2O (1:1)		5.4		5.7	
Organic Matter (humus) %			1.84		1.98	
Estimated Nitrogen Release		lb/A	57		60	
ANIONS	SOLUBLE SULFUR*	ppm	9		9	
PHOSPHORUS	MEHLICH III	lb/A P as P_2O_5	124		64	
		ppm of P	27		14	
	BRAY II	lb/A P as P_2O_5				
		ppm of P				
	OLSEN	lb/A P as P_2O_5				
		ppm of P				
EXCHANGEABLE CATIONS	CALCIUM*	lb/A	1698		2936	
		ppm	849		1468	
	MAGNESIUM*	lb/A	208		626	
		ppm	104		313	
	POTASSIUM*	lb/A	190		188	
		ppm	95		94	
	SODIUM*	lb/A	44		34	
		ppm	22		17	
BASE SATURATION PERCENT						
Calcium	%		77.89		71.54	
Magnesium	%		15.90		25.42	
Potassium	%		4.47		2.35	
Sodium	%		1.76		0.72	
Other Bases	%		NA		NA	
Hydrogen	%		0.00		0.00	
EXTRACTABLE MINORS						
Boron* (ppm)			0.20		0.24	
Iron* (ppm)			140		146	
Manganese* (ppm)			90		90	
Copper* (ppm)			1.82		1.61	
Zinc* (ppm)			2.01		0.89	
Aluminum* (ppm)			737		869	
OTHER TESTS	Soluble Salts (mmhos/cm)					
	Chlorides (ppm)					

* Mehlich III Extractable

lb/A

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Name Pitstick Pork Farm, Inc. City Fairborn State OH

Independent Consultant Menke Consulting, Inc. Date 02/26/2016

Sample Location	SEHBI FARM		S-2		S-2	
Sample Identification			A		C	
Lab Number			0008-1		0009-1	
Total Exchange Capacity (ME/100 g)			5.41		8.69	
pH	Buffer (SMP/Skora)		7.0		7.0	
	H_2O (1:1)		5.0		5.3	
Organic Matter (humus) %			1.90		2.03	
Estimated Nitrogen Release		lb/A	58		61	
ANIONS	SOLUBLE SULFUR*	ppm	11		8	
PHOSPHORUS	MEHLICH III	lb/A P as P_2O_5	137		87	
		ppm of P	30		19	
	BRAY II	lb/A P as P_2O_5				
		ppm of P				
	OLSEN	lb/A P as P_2O_5				
		ppm of P				
EXCHANGEABLE CATIONS	CALCIUM*	lb/A	1626		2440	
		ppm	813		1220	
	MAGNESIUM*	lb/A	228		532	
		ppm	114		266	
	POTASSIUM*	lb/A	226		238	
		ppm	113		119	
	SODIUM*	lb/A	50		30	
		ppm	25		15	
BASE SATURATION PERCENT						
Calcium		%	75.14		70.20	
Magnesium		%	17.56		25.51	
Potassium		%	5.36		3.51	
Sodium		%	2.01		0.75	
Other Bases		%	NA		NA	
Hydrogen		%	0.00		0.00	
EXTRACTABLE MINORS						
Boron* (ppm)			0.24		0.24	
Iron* (ppm)			160		142	
Manganese* (ppm)			109		72	
Copper* (ppm)			1.60		1.31	
Zinc* (ppm)			1.21		0.66	
Aluminum* (ppm)			921		960	
OTHER TESTS	Soluble Salts (mmhos/cm)					
	Chlorides (ppm)					

* Mehlich III Extractable

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SOIL AUDIT AND INVENTORY REPORT

Name Pitstick Pork Farm, Inc. City Fairborn State OH

Independent Consultant Menke Consulting, Inc. Date 02/26/2016

Sample Location		SEHBI FARM	S-3			
Sample Identification			AC			
Lab Number			0010-1			
Total Exchange Capacity (ME/100 g)			6.79			
pH	Buffer (SMP/Skora)		7.0			
	H_2O (1:1)		5.2			
Organic Matter (humus)	%		1.89			
Estimated Nitrogen Release		lb/A	58			
ANIONS	SOLUBLE SULFUR*	ppm	10			
PHOSPHORUS	MEHLICH III	lb/A P as P_2O_5	82			
		ppm of P	18			
	BRAY II	lb/A P as P_2O_5				
		ppm of P				
	OLSEN	lb/A P as P_2O_5				
		ppm of P				
EXCHANGEABLE CATIONS	CALCIUM*	lb/A	1968			
		ppm	984			
	MAGNESIUM*	lb/A	346			
		ppm	173			
	POTASSIUM*	lb/A	276			
		ppm	138			
	SODIUM*	lb/A	34			
		ppm	17			
BASE SATURATION PERCENT						
Calcium	%		72.46			
Magnesium	%		21.23			
Potassium	%		5.21			
Sodium	%		1.09			
Other Bases	%		NA			
Hydrogen	%		0.00			
EXTRACTABLE MINORS						
Boron* (ppm)			< 0.20			
Iron* (ppm)			154			
Manganese* (ppm)			88			
Copper* (ppm)			1.54			
Zinc* (ppm)			1.01			
Aluminum* (ppm)			870			
OTHER TESTS	Soluble Salts (mmhos/cm)					
	Chlorides (ppm)					

* Mehlich III Extractable

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Name Pitstick Pork Farm, Inc. City Fairborn State OH

Independent Consultant Menke Consulting, Inc. Date 02/26/2016

Sample Location	SEHBI FARM		S-4		S-4	
Sample Identification			A		C	
Lab Number			0011-1		0012-1	
Total Exchange Capacity (ME/100 g)			5.29		5.69	
pH	Buffer (SMP/Skora)		7.2		7.0	
	H_2O (1:1)		5.4		5.3	
Organic Matter (humus) %			1.72		1.33	
Estimated Nitrogen Release		lb/A	54		47	
ANIONS	SOLUBLE SULFUR*	ppm	9		8	
PHOSPHORUS	MEHLICH III	lb/A P as P_2O_5	110		64	
		ppm of P	24		14	
	BRAY II	lb/A P as P_2O_5				
		ppm of P				
	OLSEN	lb/A P as P_2O_5				
		ppm of P				
EXCHANGEABLE CATIONS	CALCIUM*	lb/A	1620		1692	
		ppm	810		846	
	MAGNESIUM*	lb/A	236		294	
		ppm	118		147	
	POTASSIUM*	lb/A	146		118	
		ppm	73		59	
	SODIUM*	lb/A	32		40	
		ppm	16		20	
BASE SATURATION PERCENT						
Calcium	%		76.56		74.34	
Magnesium	%		18.59		21.53	
Potassium	%		3.54		2.66	
Sodium	%		1.32		1.53	
Other Bases	%		NA		NA	
Hydrogen	%		0.00		0.00	
EXTRACTABLE MINORS						
Boron* (ppm)			0.20		0.21	
Iron* (ppm)			158		172	
Manganese* (ppm)			117		163	
Copper* (ppm)			1.52		1.35	
Zinc* (ppm)			1.21		1.00	
Aluminum* (ppm)			784		775	
OTHER TESTS	Soluble Salts (mmhos/cm)					
	Chlorides (ppm)					

* Mehlich III Extractable