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Southeast Illinois 2009 SOIL TEST DATA SUMMARY

Soil Test	Soil Test Result				Percent of Samples by Soil Test Rating				
	Average	Minimum	Maximum	Std. Dev.	Very Low	Low	Medium	High	Very High
Organic Matter, %	2.4	0.6	8.0	0.5	0.3	64.6	34.8	0.3	
Phosphorus (P1), ppm	35	2	462	29	4.5	20.7	31.3	27.2	16.3
Phosphorus (P2), ppm	53	7	544	36	1.6	13.7	31.1	40.2	13.5
Bicarbonate P, ppm	19	19	19				100.0		
Potassium (K), ppm	101	18	522	41					
Potassium (K), % Base Sat.	3.2	0.8	11.9	1.3	0.3	15.8	72.1	9.4	2.4
Magnesium (Mg), ppm	135	30	930	74					
Magnesium (Mg), % Base Sat.	13.1	3.2	46.3	4.3	0.1	22.9	51.1	24.1	1.8
Calcium (Ca), ppm	1197	150	3950	350					
Calcium (Ca), % Base Sat.	71.6	11.6	93.7	11.7	2.6	6.7	52.8	24.5	13.5
pH	6.6	4.2	8.1	0.6	0.5	11.2	62.4	22.0	3.9
CEC, meq/100g	8.4	2.4	22.8	2.1	0.3	48.9	49.0	1.8	
Sulfur (S), ppm	9	6	29	2.2		21.1	75.4	2.1	1.4
Zinc (Zn), ppm	3.2	1.4	12.9	1.5		59.9	30.8	8.7	0.7
Manganese (Mn), ppm	57	30	113	18				44.2	55.8
Iron (Fe), ppm	41	18	104	16				81.0	19.0
Copper (Cu), ppm	1.2	0.5	1.8	0.3			52.4	47.6	
Boron (B), ppm	0.4	0.2	1.2	0.3	53.5	20.9	25.6		