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Southern 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, %	2.6	0.6	11.1	0.8	0.3	59.7	37.6	2.1	0.3
Phosphorus (P1), ppm	36	2	462	29	4.3	20.0	29.8	26.8	19.0
Phosphorus (P2), ppm	84	7	544	82	1.3	11.4	26.1	34.1	27.1
Bicarbonate P, ppm	45	4	86	19	1.9	1.9	17.0	29.2	50.0
Potassium (K), ppm	120	18	724	90					
Potassium (K), % Base Sat.	3.2	0.7	11.9	1.3	0.3	14.6	68.4	9.9	6.8
Magnesium (Mg), ppm	173	30	930	152					
Magnesium (Mg), % Base Sat.	14.0	3.2	46.3	5.4	0.1	21.0	47.2	27.1	4.5
Calcium (Ca), ppm	1356	150	6150	715					
Calcium (Ca), % Base Sat.	71.4	11.6	93.7	11.6	2.5	6.7	53.1	25.3	12.4
pH	6.6	4.2	8.1	0.6	0.4	10.5	58.8	22.2	8.0
CEC, meq/100g	9.5	2.4	38.9	4.7	0.3	44.9	46.1	6.1	2.6
Sulfur (S), ppm	9	5	29	2.7		23.9	68.2	6.1	1.8
Zinc (Zn), ppm	3.5	1.4	12.9	1.5		46.1	41.5	12.0	0.5
Manganese (Mn), ppm	68	17	113	19			1.1	23.2	75.8
Iron (Fe), ppm	48	14	128	22				70.5	29.5
Copper (Cu), ppm	3.0	0.5	5.0	1.4			15.1	26.0	58.9
Boron (B), ppm	0.8	0.2	1.9	0.5	25.3	13.7	34.7	26.3	