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Southwest 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, %	4.2	1.2	11.1	1.3		5.3	69.4	22.5	2.9
Phosphorus (P1), ppm	49	3	100	25	2.9	12.4	13.4	22.0	49.3
Phosphorus (P2), ppm	237	40	363	70			1.9	3.8	94.2
Bicarbonate P, ppm	45	4	86	19	1.9	1.9	15.4	29.8	51.0
Potassium (K), ppm	328	69	724	178					
Potassium (K), % Base Sat.	3.7	0.7	7.1	1.4		1.0	27.3	15.3	56.5
Magnesium (Mg), ppm	599	210	910	152					
Magnesium (Mg), % Base Sat.	23.8	13.7	39.6	6.5			4.8	60.8	34.4
Calcium (Ca), ppm	3125	1250	6150	1200					
Calcium (Ca), % Base Sat.	69.6	43.6	82.5	9.3	1.0	7.7	56.9	34.4	
pH	7.4	5.4	8.1	0.6		2.9	18.7	24.4	54.1
CEC, meq/100g	22.0	9.9	38.9	6.6			14.4	53.6	32.1
Sulfur (S), ppm	10	5	25	3.6		31.7	48.1	17.3	2.9
Zinc (Zn), ppm	4.4	1.9	6.2	0.9		7.7	71.2	21.2	
Manganese (Mn), ppm	77	17	98	15			1.9	5.8	92.3
Iron (Fe), ppm	50	14	128	23				66.3	33.7
Copper (Cu), ppm	3.7	1.4	5.0	0.8				17.3	82.7
Boron (B), ppm	1.1	0.3	1.9	0.3	1.9	7.7	42.3	48.1	