

Southern Illinois

2016 SOIL TEST DATA SUMMARY

Soil Test	Statistics		Percent Samples by Soil Test Rating				
	Average	Std. Dev.	Very Low	Low	Medium	High	Very High
Organic Matter,%	3.0	1.1	<small>(<1.0)</small>	43.5	50.2	6.0	0.3
Phosphorus (P1), ppm	30	28	<small>(<10)</small>	30.3	25.6	23.3	12.5
Phosphorus (P2), ppm	63	46	<small>(<14)</small>	9.6	26.6	38.2	23.5
Potassium (K), ppm	131	65					
K, % Base Saturation	3.0	1.3	<small>(<0.86)</small>	11.3	60.1	22.5	5.7
Magnesium (Mg), ppm	209	133					
Mg, % Base Saturation	13.9	4.9	<small>(<5)</small>	23.0	42.1	31.9	2.6
Calcium (Ca), ppm	1629	644					
Ca, % Base Saturation	69.6	11.6	<small>(<45)</small>	7.3	58.8	20.8	10.3
pH (1:1)	6.5	0.6	<small>(<5.1)</small>	13.1	66.2	17.6	2.2
CEC, meq/100g	11.9	4.8	<small>(<3.1)</small>	22.3	54.3	22.4	1.0
Sulfur (S), ppm	8	5.1	<small>(<4)</small>	50.2	45.3	1.6	1.1
Zinc (Zn), ppm	2.7	2.5	<small>(<1.0)</small>	76.4	18.0	4.1	1.4
Manganese (Mn), ppm	41	16	<small>(<6)</small>	2.6	14.9	59.7	22.7
Iron (Fe), ppm	35	25		0.8	2.2	80.3	16.7
Copper (Cu), ppm	1.4	0.4			29.3	70.5	0.2
Boron (B), ppm	0.4	0.2	<small>(<0.4)</small>	24.9	17.6	1.0	
Nitrate (NO ₃ -N), ppm	16.1	15.8	<small>(<5)</small>	34.8	28.2	21.1	6.8
Ammonium (NH ₄ -N), ppm	6.6	9.1	<small>(<5)</small>	39.8	10.6	2.9	1.3