

Southeast 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,%	3.2	1.1	<1.0	1.0-2.5	2.5-5.0	5.0-7.0	7.0+
Phosphorus (P1), ppm	29	24	<10	10-20	20-30	30-50	50+
Phosphorus (P2), ppm	63	46	<14	14-29	29-44	44-74	74+
Potassium (K), ppm	141	62					
K, % Base Saturation	3.0	1.3	<0.81	0.81-1.59	1.60-3.19	3.20-4.78	>4.78
Magnesium (Mg), ppm	231	140					
Mg, % Base Saturation	14.1	4.8	<5	5-10	10-15	15-25	25+
Calcium (Ca), ppm	1759	688					
Ca, % Base Saturation	68.8	10.9	<45	45-55	55-75	75-85	85+
pH (1:1)	6.4	0.5	<5.1	5.1-5.8	5.9-6.0	7.0-7.5	>7.5
CEC, meq/100g	12.9	5.0	<3.1	3.1-8.0	8.1-15.0	15.1-25.0	>25.0
Sulfur (S), ppm	8	5.2	<4	4-7	8-12	13-17	>17
Zinc (Zn), ppm	2.6	2.0	<1.0	1.1-2.9	3.0-4.9	5.0-10.0	>10.0
Manganese (Mn), ppm	40	16	<6	6-14	15-19	20-49	>49
Iron (Fe), ppm	33	22		<5	5-9	10-50	>50
Copper (Cu), ppm	1.4	0.4		<0.4	0.4-1.1	1.2-3.0	>3.0
Boron (B), ppm	0.4	0.2	<0.4	0.4-0.5	0.6-1.2	1.3-2.5	>2.5
Nitrate (NO ₃ -N), ppm	14.0	14.4	<5	5-9	10-19	20-39	>39
Ammonium (NH ₄ -N), ppm	6.9	9.4	<5	5-9	10-19	20-39	>39