

Southeast Ohio

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, %	3.5	1.2	<1.0	15.8 (1.0-2.5)	72.5 (2.5-5.0)	10.9 (5.0-7.0)	0.8 (7.0+)
Phosphorus (P1), ppm	30	38	17.0 (<10)	35.8 (10-20)	18.6 (20-30)	14.8 (30-50)	13.8 (50+)
Phosphorus (P2), ppm	105	5	<14	(14-29)	(29-44)	(44-74)	100.0 (74+)
Potassium (K), ppm	149	88					
K, % Base Saturation	3.0	1.2	1.4 (<0.80)	6.1 (0.80-1.58)	59.5 (1.59-3.16)	22.9 (3.17-4.74)	11.1 (>4.74)
Magnesium (Mg), ppm	312	151					
Mg, % Base Saturation	20.1	5.6	0.2 (<5)	2.0 (5-10)	12.8 (10-15)	67.2 (15-25)	17.8 (25+)
Calcium (Ca), ppm	1704	953					
Ca, % Base Saturation	64.2	10.5	4.9 (<45)	12.3 (45-55)	67.8 (55-75)	13.0 (75-85)	2.0 (85+)
pH (1:1)	6.5	0.6	1.0 (<5.1)	12.1 (5.1-5.8)	61.1 (5.9-6.0)	19.8 (7.0-7.5)	5.9 (>7.5)
CEC, meq/100g	13.1	6.0	<3.1	14.2 (3.1-8.0)	59.3 (8.1-15.0)	21.9 (15.1-25.0)	4.7 (>25.0)
Sulfur (S), ppm	11	11.5	1.3 (<4)	32.4 (4-7)	48.2 (8-12)	6.8 (13-17)	11.3 (>17)
Zinc (Zn), ppm	4.5	3.1	<1.0	30.3 (1.1-2.9)	39.2 (3.0-4.9)	27.4 (5.0-10.0)	3.2 (>10.0)
Manganese (Mn), ppm	39	14	0.5 (<6)	3.7 (6-14)	10.0 (15-19)	69.5 (20-49)	16.3 (>49)
Iron (Fe), ppm	36	20		0.5 (<5)	1.6 (5-9)	77.4 (10-50)	20.5 (>50)
Copper (Cu), ppm	2.1	0.9			8.1 (0.4-1.1)	79.0 (1.2-3.0)	12.9 (>3.0)
Boron (B), ppm	0.7	0.8	31.6 (<0.4)	25.5 (0.4-0.5)	31.3 (0.6-1.2)	8.7 (1.3-2.5)	2.9 (>2.5)
Nitrate (NO ₃ -N), ppm	19.7	9.0	<5	4.8 (5-9)	61.9 (10-19)	33.3 (20-59)	>39 (>39)
Ammonium (NH ₄ -N), ppm	3.9	1.1	47.6 (<5)	52.4 (5-9)			>39 (>39)