



Ohio

2024 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,%	3.3	1.6	(<1.0) 0.2	(1.0-2.5) 21.5	(2.5-5.0) 73.9	(5.0-7.0) 3.8	(7.0+) 0.6
Phosphorus (P1), ppm	33	34	(<10) 8.8	(10-20) 27.1	(20-30) 24.7	(30-50) 24.1	(50+) 15.4
Phosphorus (P2), ppm	55	38	(<14) 3.6	(14-29) 18.1	(29-44) 23.1	(44-74) 34.7	(74+) 20.5
Bicarbonate P, ppm	17	9	(<5)	(5-15) 66.7	(15-25) 20.0	(25-45) 13.3	(45+)
Potassium (K), ppm	142	61					
K, % Base Saturation	3.3	1.5	(<0.87) 0.4	(0.87-1.71) 5.7	(1.72-3.43) 56.5	(3.44-5.14) 31.1	(>5.14) 6.6
Magnesium (Mg), ppm	283	122					
Mg, % Base Saturation	20.1	5.6	(<5) 0.2	(5-10) 2.1	(10-15) 15.5	(15-25) 63.9	(25+) 18.3
Calcium (Ca), ppm	1485	727					
Ca, % Base Saturation	62.1	10.6	(<45) 6.1	(45-55) 16.3	(55-75) 67.8	(75-85) 8.4	(85+) 1.3
pH (1:1)	6.4	0.6	(<5.1) 1.1	(5.1-5.8) 15.0	(5.9-6.9) 66.3	(7.0-7.5) 15.0	(>7.5) 2.5
CEC, meq/100g	11.8	4.3	(<3.1) 0.2	(3.1-8.0) 17.1	(8.1-18.0) 63.1	(18.1-25.0) 19.0	(>25.0) 0.5
Sulfur (S), ppm	10	12.1	(<4) 0.8	(4-7) 32.1	(8-12) 54.5	(13-17) 9.5	(>17) 3.1
Zinc (Zn), ppm	3.2	3.1	(<1.0) 0.1	(1.1-2.9) 62.9	(3.0-4.9) 26.7	(5.0-10.0) 8.5	(>10.0) 1.9
Manganese (Mn), ppm	34	16	(<6) 2.3	(6-14) 12.1	(15-19) 20.6	(20-49) 50.2	(>49) 14.8
Iron (Fe), ppm	55	28		(<5) 0.1	(5-9) 0.3	(10-50) 51.0	(>50) 48.6
Copper (Cu), ppm	2.2	1.2		(<0.4) 0.3	(0.4-1.1) 16.7	(1.2-3.0) 61.7	(>3.0) 21.4
Boron (B), ppm	0.6	0.4	(<0.4) 31.0	(0.4-0.5) 25.2	(0.6-1.2) 39.5	(1.3-2.5) 4.0	(>2.5) 0.2
Nitrate (NO ₃ -N), ppm	26.8	27.3	(<5) 7.8	(5-9) 14.8	(10-19) 26.7	(20-39) 30.7	(>39) 20.0
Ammonium (NH ₄ -N), ppm	5.6	3.9	(<5) 19.4	(5-9) 65.4	(10-19) 12.3	(20-39) 1.9	(>39) 0.9