



# State of Ohio

## 2018 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	1.4	<small>(&lt;1.0)</small> 0.1	<small>(1.0-2.5)</small> 21.7	<small>(2.5-5.0)</small> 74.1	<small>(5.0-7.0)</small> 3.4	<small>(7.0+)</small> 0.7
Phosphorus (P1), ppm	35	37	<small>(&lt;10)</small> 9.0	<small>(10-20)</small> 25.6	<small>(20-30)</small> 22.7	<small>(30-50)</small> 23.8	<small>(50+)</small> 18.9
Phosphorus (P2), ppm	56	54	<small>(&lt;14)</small> 10.3	<small>(14-29)</small> 22.1	<small>(29-44)</small> 19.9	<small>(44-74)</small> 25.7	<small>(74+)</small> 22.1
Potassium (K), ppm	145	60					
K, % Base Saturation	3.2	1.4	<small>(&lt;0.83)</small> 0.6	<small>(0.83-1.64)</small> 5.8	<small>(1.65-3.29)</small> 53.7	<small>(3.30-4.93)</small> 34.1	<small>(&gt;4.93)</small> 6.3
Magnesium (Mg), ppm	301	134					
Mg, % Base Saturation	20.3	5.8	<small>(&lt;5)</small> 0.3	<small>(5-10)</small> 1.9	<small>(10-15)</small> 14.9	<small>(15-25)</small> 63.4	<small>(25+)</small> 19.6
Calcium (Ca), ppm	1609	866					
Ca, % Base Saturation	63.7	10.3	<small>(&lt;45)</small> 4.3	<small>(45-55)</small> 13.8	<small>(55-75)</small> 69.6	<small>(75-85)</small> 10.7	<small>(85+)</small> 1.6
pH (1:1)	6.5	0.6	<small>(&lt;5.1)</small> 0.5	<small>(5.1-5.8)</small> 11.6	<small>(5.9-6.0)</small> 67.1	<small>(7.0-7.5)</small> 17.6	<small>(&gt;7.5)</small> 3.2
CEC, meq/100g	12.4	4.9	<small>(&lt;3.1)</small> 0.2	<small>(3.1-8.0)</small> 17.6	<small>(8.1-15.0)</small> 54.1	<small>(15.1-25.0)</small> 27.4	<small>(&gt;25.0)</small> 0.7
Sulfur (S), ppm	9	21.4	<small>(&lt;4)</small> 0.7	<small>(4-7)</small> 44.9	<small>(8-12)</small> 47.2	<small>(13-17)</small> 4.6	<small>(&gt;17)</small> 2.7
Zinc (Zn), ppm	3.3	2.8	<small>(&lt;1.0)</small> 58.4	<small>(1.1-2.9)</small> 30.8	<small>(3.0-4.9)</small> 9.1	<small>(5.0-10.0)</small> 1.7	<small>(&gt;10.0)</small> 1.7
Manganese (Mn), ppm	31	16	<small>(&lt;6)</small> 1.5	<small>(6-14)</small> 15.6	<small>(15-19)</small> 25.5	<small>(20-49)</small> 46.7	<small>(&gt;49)</small> 10.7
Iron (Fe), ppm	55	27		<small>(&lt;5)</small> 0.1	<small>(5-9)</small> 0.3	<small>(10-50)</small> 50.0	<small>(&gt;50)</small> 49.6
Copper (Cu), ppm	2.3	1.3		<small>(&lt;0.4)</small> 12.2	<small>(0.4-1.1)</small> 66.4	<small>(1.2-3.0)</small> 21.4	<small>(&gt;3.0)</small> 21.4
Boron (B), ppm	0.6	0.4	<small>(&lt;0.4)</small> 23.5	<small>(0.4-0.5)</small> 22.8	<small>(0.6-1.2)</small> 48.3	<small>(1.3-2.5)</small> 5.2	<small>(&gt;2.5)</small> 0.2
Nitrate (NO <sub>3</sub> -N), ppm	27.6	19.9	<small>(&lt;5)</small> 6.1	<small>(5-9)</small> 14.2	<small>(10-19)</small> 18.0	<small>(20-39)</small> 36.4	<small>(&gt;39)</small> 25.3
Ammonium (NH <sub>4</sub> -N), ppm	13.5	76.5	<small>(&lt;5)</small> 51.1	<small>(5-9)</small> 39.0	<small>(10-19)</small> 6.4	<small>(20-39)</small> 1.4	<small>(&gt;39)</small> 2.1