



State of Wisconsin

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,%	3.4	2.7	<small>(<1.0)</small> 2.2	<small>(1.0-2.5)</small> 29.3	<small>(2.5-5.0)</small> 58.6	<small>(5.0-7.0)</small> 7.5	<small>(7.0+)</small> 2.3
Phosphorus (P1), ppm	44	46	<small>(<10)</small> 7.6	<small>(10-20)</small> 1.9	<small>(20-30)</small> 30.4	<small>(30-50)</small> 12.4	<small>(50+)</small> 28.7
Phosphorus (P2), ppm	76	119	<small>(<14)</small> 2.5	<small>(14-29)</small> 11.4	<small>(29-44)</small> 25.6	<small>(44-74)</small> 32.7	<small>(74+)</small> 27.8
Potassium (K), ppm	153	87					
K, % Base Saturation	3.2	1.5	<small>(<0.68)</small> 1.1	<small>(0.68-1.35)</small> 8.6	<small>(1.36-2.70)</small> 49.3	<small>(2.71-4.04)</small> 27.1	<small>(>4.04)</small> 14.4
Magnesium (Mg), ppm	449	185					
Mg, % Base Saturation	27.4	6.4	<small>(<5)</small> 0.2	<small>(5-10)</small> 1.1	<small>(10-15)</small> 2.6	<small>(15-25)</small> 16.5	<small>(25+)</small> 79.7
Calcium (Ca), ppm	1495	933					
Ca, % Base Saturation	59.9	9.4	<small>(<45)</small> 7.8	<small>(45-55)</small> 15.9	<small>(55-75)</small> 73.1	<small>(75-85)</small> 2.4	<small>(85+)</small> 0.9
pH (1:1)	6.6	0.6	<small>(<5.1)</small> 0.7	<small>(5.1-5.8)</small> 9.0	<small>(5.9-6.0)</small> 57.1	<small>(7.0-7.5)</small> 28.8	<small>(>7.5)</small> 4.3
CEC, meq/100g	16.2	5.7	<small>(<3.1)</small> 1.3	<small>(3.1-8.0)</small> 13.8	<small>(8.1-15.0)</small> 63.2	<small>(15.1-25.0)</small> 19.7	<small>(>25.0)</small> 2.1
Sulfur (S), ppm	10	20.8	<small>(<4)</small> 0.8	<small>(4-7)</small> 48.9	<small>(8-12)</small> 41.4	<small>(13-17)</small> 5.3	<small>(>17)</small> 3.6
Zinc (Zn), ppm	4.8	4.2	<small>(<1.0)</small> 0.2	<small>(1.1-2.9)</small> 31.3	<small>(3.0-4.9)</small> 37.0	<small>(5.0-10.0)</small> 25.8	<small>(>10.0)</small> 5.8
Manganese (Mn), ppm	55	21	<small>(<6)</small> 3.2	<small>(6-14)</small> 1.8	<small>(15-19)</small> 1.9	<small>(20-49)</small> 34.6	<small>(>49)</small> 58.5
Iron (Fe), ppm	37	20		<small>(<5)</small> 1.3	<small>(5-9)</small> 2.0	<small>(10-50)</small> 79.6	<small>(>50)</small> 17.1
Copper (Cu), ppm	2.0	1.3		<small>(<0.4)</small> 0.2	<small>(0.4-1.1)</small> 29.6	<small>(1.2-3.0)</small> 48.4	<small>(>3.0)</small> 21.7
Boron (B), ppm	0.5	0.4	<small>(<0.4)</small> 39.3	<small>(0.4-0.5)</small> 28.4	<small>(0.6-1.2)</small> 26.7	<small>(1.3-2.5)</small> 5.1	<small>(>2.5)</small> 0.5
Nitrate (NO ₃ -N), ppm	18.6	19.9	<small>(<5)</small> 17.6	<small>(5-9)</small> 26.4	<small>(10-19)</small> 25.3	<small>(20-39)</small> 16.9	<small>(>39)</small> 13.8
Ammonium (NH ₄ -N), ppm	8.3	14.8	<small>(<5)</small> 24.4	<small>(5-9)</small> 70.0	<small>(10-19)</small>	<small>(20-39)</small>	<small>(>39)</small> 5.6