



# Southwest Michigan

## 2021 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,%	2.7	4.5	<small>(&lt;1.0)</small> 2.8	<small>(1.0-2.5)</small> 71.2	<small>(2.5-5.0)</small> 22.1	<small>(5.0-7.0)</small> 1.4	<small>(7.0+)</small> 2.5
Phosphorus (P1), ppm	59	64	<small>(&lt;10)</small> 3.6	<small>(10-20)</small> 14.3	<small>(20-30)</small> 17.1	<small>(30-50)</small> 25.0	<small>(50+)</small> 40.1
Phosphorus (P2), ppm	63	53	<small>(&lt;14)</small> 3.2	<small>(14-29)</small> 18.3	<small>(29-44)</small> 20.5	<small>(44-74)</small> 30.6	<small>(74+)</small> 27.3
Potassium (K), ppm	119	56					
K, % Base Saturation	4.7	2.4	<small>(&lt;1.24)</small> 1.4	<small>(1.24-2.46)</small> 13.1	<small>(2.47-4.93)</small> 54.5	<small>(4.94-7.39)</small> 25.4	<small>(&gt;7.39)</small> 5.7
Magnesium (Mg), ppm	146	89					
Mg, % Base Saturation	16.7	5.9	<small>(&lt;5)</small> 3.4	<small>(5-10)</small> 8.0	<small>(10-15)</small> 27.5	<small>(15-25)</small> 53.8	<small>(25+)</small> 7.3
Calcium (Ca), ppm	946	810					
Ca, % Base Saturation	62.0	14.5	<small>(&lt;45)</small> 8.8	<small>(45-55)</small> 16.4	<small>(55-75)</small> 58.5	<small>(75-85)</small> 14.6	<small>(85+)</small> 1.7
pH (1:1)	6.4	0.7	<small>(&lt;5.1)</small> 4.5	<small>(5.1-5.8)</small> 13.3	<small>(5.9-6.9)</small> 61.7	<small>(7.0-7.5)</small> 17.8	<small>(&gt;7.5)</small> 2.7
CEC, meq/100g	7.5	4.7	<small>(&lt;3.1)</small> 2.4	<small>(3.1-8.0)</small> 66.7	<small>(8.1-15.0)</small> 26.1	<small>(15.1-25.0)</small> 3.9	<small>(&gt;25.0)</small> 0.9
Sulfur (S), ppm	9	8.6	<small>(&lt;4)</small> 1.8	<small>(4-7)</small> 46.5	<small>(8-12)</small> 41.3	<small>(13-17)</small> 5.3	<small>(&gt;17)</small> 5.1
Zinc (Zn), ppm	3.6	3.2	<small>(&lt;1.0)</small>	<small>(1.1-2.9)</small> 54.5	<small>(3.0-4.9)</small> 30.1	<small>(5.0-10.0)</small> 12.5	<small>(&gt;10.0)</small> 2.9
Manganese (Mn), ppm	39	15	<small>(&lt;6)</small> 3.4	<small>(6-14)</small> 6.5	<small>(15-19)</small> 7.1	<small>(20-49)</small> 62.0	<small>(&gt;49)</small> 21.1
Iron (Fe), ppm	45	25		<small>(&lt;5)</small> 0.3	<small>(5-9)</small> 0.4	<small>(10-50)</small> 70.4	<small>(&gt;50)</small> 28.8
Copper (Cu), ppm	1.5	1.5		<small>(&lt;0.4)</small> 3.3	<small>(0.4-1.1)</small> 56.0	<small>(1.2-3.0)</small> 32.8	<small>(&gt;3.0)</small> 7.9
Boron (B), ppm	0.4	0.3	<small>(&lt;0.4)</small> 59.4	<small>(0.4-0.5)</small> 25.7	<small>(0.6-1.2)</small> 13.6	<small>(1.3-2.5)</small> 1.1	<small>(&gt;2.5)</small> 0.2
Nitrate (NO3-N), ppm	28.1	32.2	<small>(&lt;5)</small> 12.4	<small>(5-9)</small> 30.7	<small>(10-19)</small> 19.7	<small>(20-39)</small> 9.5	<small>(&gt;39)</small> 27.7
Ammonium (NH4-N), ppm	13.8	44.9	<small>(&lt;5)</small> 29.2	<small>(5-9)</small> 46.9	<small>(10-19)</small> 9.7	<small>(20-39)</small> 3.5	<small>(&gt;39)</small> 10.6