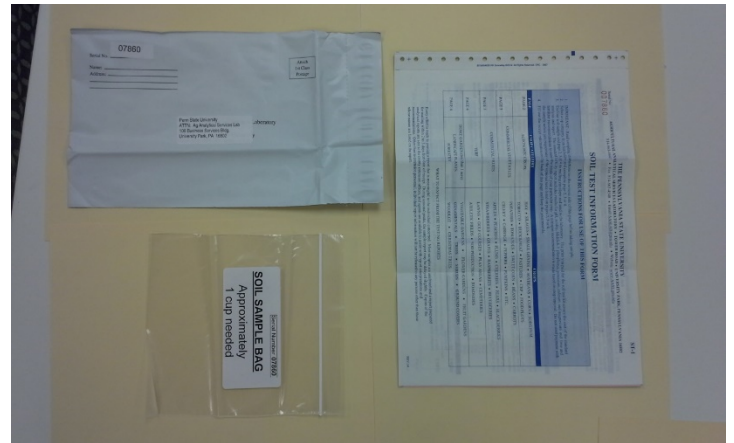


Soil Test Program Muskingum County

Clifton Martin, Extension Educator, OSU Extension, Muskingum County, The Ohio State University.

The Muskingum County Extension Office proudly offers soil test kits to its customers and clientele. Kits are sold to the public for \$9 and provide core soil management information recommendations for pH, phosphorous, and potassium in addition to other metrics.

Year	Acres	Reports
2016	1959	195
2017	1341	179
2018	1009	126
Total	4309	500



Soil Test Kit

Penn State Soil Analytical Laboratory

In the absence of a commercial soil testing laboratory at Ohio State University, Muskingum County uses the commercial soil test laboratory at Penn State University with a long history of Extension outreach and a Land Grant mission.

Muskingum County Extension Soil Test Page

<https://muskingum.osu.edu/soiltest>

Table: Top 10 uses of soil test by acreage (three year summary).

Rank	Report Crop Name	Acres
1	Soybeans	938
2	Established Mixed Grasses	605
3	Corn for Grain	544
4	Corn for Grain (no-till)	253
5	Planting Mixed Grasses	224
6	Planting Alfalfa-Grass	223
7	Established Pasture (without legume)	175
8	Established Alfalfa-Grass	160
9	Planting Orchardgrass	128
10	Established Trefoil-grass	102

Table: Top 20 uses of soil tests (three year history)

Rank	Report Crop Name	Count
1	Soybeans	58
2	Mixed Vegetables	49
3	Corn for Grain	45
4	Established Mixed Grasses	38
5	Corn for Grain (no-till)	24
6	Established Alfalfa-Grass	21
7	Home Lawn to Maintain	20
8	Planting Mixed Grasses	18
9	Established Pasture (without legume)	16
10	Flower Bed	13
11	Wildlife Food Plot	12
12	Established Pasture (with legume)	11
13	Planting Orchardgrass	11
14	Planting Alfalfa-Grass	10
15	Unspecified Garden Crop	10
16	Home Lawn to Plant	9
17	Planting Alfalfa	9
18	Disturbed Lands	7
19	Woodlot, Hardwood, To Plant	6
20	Planting Ladino Clover	6
	Other Categories	107

OSU vs. PSU

There are a few differences to be aware of between recommendations from OSU Extension and PSU Extension. Phosphorus use has been under high scrutiny in Ohio and recommendations for Phosphorus may vary in Ohio compared to Pennsylvania. In Ohio, agronomic producers should pay attention to the established research-supported critical levels for P in Ohio.

It is also common to use “Buffer pH” in Ohio when making a lime recommendation. Customers will notice an absence of this term on PSU soil tests, but will instead see an “Acidity” score. The Acidity score correlates to a table established for use in Pennsylvania for a lime recommendation similar to a table used in Ohio with Buffer pH.

Any reliable soil test with an interpretation should be supported by sound research that demonstrates a response to the recommended fertilizer use.

Other Sources for Information

Interpreting a Soil Test Report

<https://ohioline.osu.edu/factsheet/AGF-514>

PennState Agricultural Analytical Services Lab

<https://agsci.psu.edu/aasl>

Muskingum County Soil Test Page

<https://muskingum.osu.edu/soiltest>

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Charts on the right side depict soil test values in Muskingum County from three years of reporting history.

