Virginia Cooperative Extension
Virginia Tech • Virginia State University

Virginia Tech
Soil Testing Laboratory

Publication 452-124
Revised 2020

Soil Sample Information Sheet for Commercial Crop Production

Please Type or Write Legibly (Form expires July 2023)

Use another form for home gardens, lawns, golf courses, etc. Follow sampling instructions on box. Processing will be delayed if soil is not received in the lab's sample container. Each sample must have its own form. For more information, go to **www.soiltest.vt.edu** or contact your local Virginia Cooperative Extension office.

Your Name: _____ Phone: _____

E-mail To Send Report To: _____

Mailing Address: _____

_____

City: _____ ZIP Code (required): _____

County Where Soil is Located (required): _____

Copy Report To (Consultant, etc.): _____

Their E-mail: _____

Date sampled: _____ MM/DD/YY

Office Use only
Extension Unit Code:

SAMPLE ID - must match the ID you put on box of soil. Your optional Field ID helps you match each report to the correct sample.

Sample ID use letters or numbers						**Track & Field ID** use letters or numbers										

CROP INFORMATION - a crop code number is required to provide recommendations. Only one crop may be entered for each sample.

Crop to be Grown				**Last Crop (if a legume)**				
Crop Code # (from list on back)			Name	Crop Code # (from list on back)			Name	Yield Bu/A, T/A, etc.
			_____				_____	_____

SOIL INFORMATION - optional, but provides better recommendations. More information can be found on the reverse side of this form.

Last Lime Application	
Months Previous	Rate Ton/Acre
◯ Unknown	◯ 0
◯ 0-6	◯ 0.1-1.0
◯ 7-12	◯ 1.1-2.0
◯ 13-18	◯ 2.1-3.0
◯ 19+	◯ 3.1+

Check ☑ if
- ☐ Field has artificial drainage
- ☐ Soil is a Histosol
- ☐ Manure will be applied

Prominent Soils in Field (see back)		**Your Yield Estimate**	
Soil Map Unit Symbol for:*	Percent (%) of Field	(For crop to be grown)	Select Units
Largest area _____	_____		◯ Ton/Acre
2nd Largest area _____	_____		◯ Bushel/Acre
3rd Largest area _____	_____	_____	◯ Acre/AU**

* SMUs can be obtained from a County Soil Survey or NRCS Conservation plan.

** 1 Animal Unit = one 1000lb cow w/ calf, two 500lb steers, or five ewes w/ lambs.

SOIL TEST DESIRED AND FEES

	In-State cost per sample	Out-of-State cost per sample
☐ Routine (soil pH, P, K, Ca, Mg, Zn, Mn, Cu, Fe, B, and estimated CEC)	No-Charge	$16.00
☐ Organic Matter – Determines percentage in soil - no recommendation given	$4.00	$6.00
☐ Soluble Salts – Determines if fertilizer salts are too high	$2.00	$3.00

Method of payment: ☐ Check Enclosed ☐ Bill my Business Tax ID# required for billing _____

Make check or money order payable to ***"Treasurer, Virginia Tech"***. Please send this form, along with payment, together with corresponding samples in the same sturdy shipping container to: Virginia Tech Soil Testing Lab, 145 Smyth Hall (MC 0465), 185 Ag Quad Ln, Blacksburg VA 24061.

www.ext.vt.edu
Produced by Virginia Cooperative Extension, Virginia Tech, 2020

VT/0220/452-124 (SPES-174NP)

CROP CODES *(Select one and insert number on front of form)*

Field Crops

Corn:
- Grain, No Till . . . 1
- Grain, Conventional . . . 2
- Silage, No Till . . . 3
- Silage, Conventional . . . 4
- Irrigated . . . 20

Sorghum:
- Grain . . . 5
- Silage . . . 22

Canola . . . 21
Wheat . . . 6
Barley . . . 7
Barley Silage-Corn Silage Rotation . 23
Oats . . . 8
Rye, Grain or Silage only . . . 9
Double-Crop Rotations:
- Small Grain – Grain Sorghum . . 12
- Small Grain – Soybean . . . 11

Soybeans . . . 10
Peanuts . . . 13
Corn-Peanut Rotation . . . 19
Cotton . . . 14
Tobacco:
- Flue-Cured . . . 15
- Dark-Fired . . . 16
- Sun-Cured . . . 17
- Burley . . . 18

Specialty Crops

Hemp – Fiber . . . 171
Hemp – Seed . . . 172
Hemp – Flower . . . 173
Hops . . . 175

Forage Crops – Establishment

Alfalfa, Alfalfa-Grass . . . 30
Tall Fescue/Orchardgrass without or with Clover (Red/Ladino) . . . 31
Bermudagrass . . . 34
Sorghum-Sudan, Millet, Sudan . . . 35
Small Grains with Winter Annual Legumes for Hay or Grazing . . . 36
Wildlife/Erosion Control Mixture . . 32

Forage Crops – Maintenance

Hay:
- Alfalfa or Alfalfa with Grass . . . 37
- Tall Grass with Clover . . . 38
- Tall Fescue/Orchardgrass . . . 44
- Bermudagrass . . . 47

Pasture:
- Fescue/Orchardgrass - Clover . . 40
- Native or Unimproved . . . 42
- Bermudagrass . . . 46

Stockpiled Tall Fescue . . . 45
Switchgrass . . . 48

Commercial Vegetable Crops

Asparagus – Nonhybrid Strains . . . 50
Asparagus – New Hybrid . . . 51
Bean, Lima . . . 52
Beans, Snap . . . 53
Broccoli, Cauliflower . . . 54
Cabbage . . . 55
Brussels Sprouts, Collards . . . 56
Cucumbers . . . 57
Muskmelons . . . 58
Onions, Bulbs . . . 59
Onion, Scallions . . . 60
Peas . . . 61
Peppers . . . 62
Potatoes, White . . . 63
Potatoes, Sweet . . . 64
Pumpkins . . . 65
Spinach . . . 66
Squash . . . 67
Sweet Corn – Fresh Market . . . 69
Sweet Corn – Processing . . . 70
Tomatoes – Fresh Market, Bare Ground . . . 71
Tomatoes - Fresh Market, Polyethylene Mulched . . . 76
Tomatoes – Process, Multiple Harvests 72
Tomatoes – Process, Single Harvest . 73
Watermelons . . . 74

Commercial Turf Production

Sod Production:
- Kentucky Bluegrass, Fescue . . . 90
- Bermuda, Zoysia . . . 91

Fruit Crops

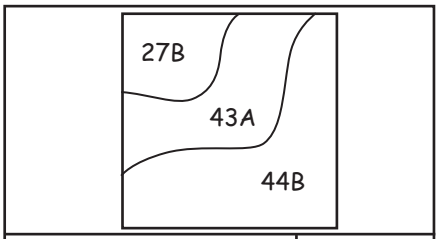
Grapes . . . 94
Apples . . . 95
Peaches . . . 96
Strawberries . . . 97
Blueberries . . . 98
Blackberries, Raspberries . . . 99

Commercial Forest Tree

Hardwood:
- Establishment 105
- Maintenance 106
- Nursery, Black Walnut 107

Pine:
- Establishment 109
- Maintenance 110
- Nursery 111

Christmas Trees:
- Frazer Fir, Norway Spruce, Hemlock . . . 113
- White Pine, Virginia Pine, Scotch Pine . . . 114
- Blue Spruce, Red Cedar 115
- Nursery 116



Soil Map Unit Symbol for:		Percent (%) of Field
Largest area	44B	50%
2nd Largest Area	43A	30%
3rd Largest Area	27B	20%

Example: Obtaining soil information

Providing Soils Information

Fertilizer recommendations are based on potential crop yield. Since yields vary from soil to soil, information on your soils will enable the Soil Testing Lab to make a customized recommendation for your field. Soil information may be obtained from a County Soil Survey Report (http://soils.usda.gov/survey) or a NRCS Conservation Plan. Locate your field on the appropriate map and indicate on the front of this form 1) the major Soil Map Unit Symbols in the field, 2) the approximate percent (%) of the field each soil occupies, and 3) the county the field is in. See example above. ***Please note:*** Soil Map Unit symbols are requested rather than the soil name because the symbols give information on soil series, soil type, slope phase, and degree of erosion, all of which affect projected crop yield.

When Soil Maps Are Not Available

If unable to provide Soil Map Units, please provide a yield estimate for your field as follows: average the *three* highest yields achieved over the last *five* crop years the particular crop was grown in the field (i.e., exclude the two lowest crop yields before calculating the average).

Reviewed by Steve Heckendorn, laboratory manager, School of Plant and Environmental Sciences