



## Soil Sample Information Sheet for Commercial Crop Production

*Please Print (Form expires July 2016)*

INSTRUCTIONS: Follow sampling instructions on box. For a recommendation, be sure to fill in the crop code number. Place check marks (✓) where appropriate. Use another form for home lawns, gardens, etc. Send samples, forms, and any payment to Virginia Tech Soil Testing Lab, 145 Smyth Hall (MC 0465), 185 Ag Quad Ln, Blacksburg VA 24061, in a sturdy shipping carton weighing less than 37 pounds. Processing will be delayed if soil is not received in an official sample box. See [www.soiltest.vt.edu](http://www.soiltest.vt.edu) for more information.

Your Name: _____ E-mail: _____ Phone: _____ Mailing Address: _____ _____ City: _____ ZIP Code (required): _____ <b>County Where Soil is Located (required):</b> _____ Copy Report To (Consultant, etc.): _____ Their E-mail: _____	Date sampled: _____ MM/DD/YY  Office Use only Extension Unit Code: <div style="border: 1px solid black; width: 50px; height: 50px; margin: 5px auto;"></div>
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**Your Sample Box ID**        
use letters or numbers

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

### CROP INFORMATION

Crop to be Grown		Last Crop (if a legume)		
Crop Code # <small>(from list on back)</small>	Name	Crop Code # <small>(from list on back)</small>	Name	Yield Bu/A, etc.
<input type="text"/> <input type="text"/> <input type="text"/>	_____	<input type="text"/> <input type="text"/> <input type="text"/>	_____	_____

### SOIL INFORMATION

Last Lime Application		Check <input checked="" type="checkbox"/> if	Prominent Soils in Field (see back)		Your Yield Estimate
Months Previous	Rate Ton/Acre		Soil Map Unit Symbol for:*	Percent (%) of Field	(For crop to be grown) Select Units
<input type="radio"/> -	<input type="radio"/> 0	<input type="checkbox"/> Field has artificial drainage <input type="checkbox"/> Soil is a Histosol <input type="checkbox"/> Manure will be applied	Largest area _____	_____	<input type="checkbox"/> Tons/Acre
<input type="radio"/> 0-6	<input type="radio"/> 0.1-1.0		2 <sup>nd</sup> Largest Area _____	_____	<input type="checkbox"/> Bushels/Acre
<input type="radio"/> 7-v12	<input type="radio"/> 1.1-2.0		3 <sup>rd</sup> Largest Area _____	_____	<input type="checkbox"/> Acres/AU*
<input type="radio"/> 13-18	<input type="radio"/> 2.1-3.0		*Soil Map Unit Symbol may be obtained from a County Soil Survey Report or a NRCS Conservation Plan. Include only areas that make up at least 20% of field.		*Animal Unit = one 1,000 lb cow w/calf or two 500 lb steers, or five ewes w/lambs.
<input type="radio"/> 19+	<input type="radio"/> 3.1+				

### SOIL TEST DESIRED AND FEES

#### COST PER SAMPLE

	IN-STATE	OUT-OF-STATE
	<input type="checkbox"/> Routine (soil pH, P, K, Ca, Mg, Zn, Mn, Cu, Fe, B, and estimated CEC)	No-Charge
<input type="checkbox"/> Organic Matter	\$4.00	\$6.00
<input type="checkbox"/> Soluble Salts	\$2.00	\$3.00
<input type="checkbox"/> Fax Results: FAX # (w/area code) _____	\$1.00	\$2.00

Method of Payment:  Check Enclosed *or*  Bill my Business Tax ID # required for billing \_\_\_\_\_

Send in payment along with soil sample and form; make check or money order payable to **"Treasurer, Virginia Tech."**

[www.ext.vt.edu](http://www.ext.vt.edu)

Produced by Communications and Marketing, College of Agriculture and Life Sciences, Virginia Tech, 2015

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VT/0915/CSES-137NP

## CROP CODES *(Insert crop number and name 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

### 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 . . . . .	71
Tomatoes – Process, Multiple Harvests . . . . .	72
Tomatoes – Process, Single Harvest . . . . .	73
Watermelons . . . . .	74

Hops . . . . .	75
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### Commercial Turf Production

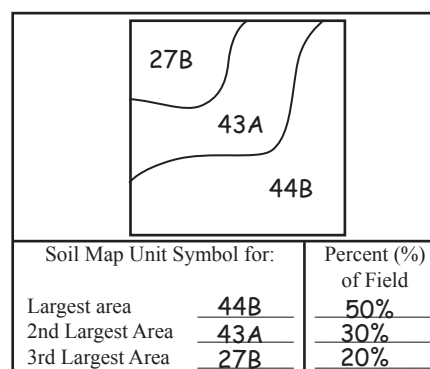
Sod Production:	
Kentucky Bluegrass, Fescue . . . . .	90
Bermuda, Zoysia . . . . .	91

### 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



**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 your county hasn't been mapped, or if you don't have a soil map for your farm, 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, Crop and Soil Environmental Sciences*