



## Soil Sample Information Sheet for Commercial Crop Production

Please write legibly or download form and type information before printing. (Form expires July 2026)

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](http://www.soiltest.vt.edu) or contact your local Virginia Cooperative Extension office.

Your Name: _____ Phone: _____ E-mail (results sent by email only*): _____ Adding <a href="mailto:soiltestlab@vt.edu">soiltestlab@vt.edu</a> to your email contact list may help ensure delivery. Also check spam folder. Mailing Address (results not mailed): _____ City: _____ ZIP Code: _____ <b>County Where Soil is Located (required):</b> _____ Copy Report To (Consultant, etc.): _____ Their E-mail: _____	Date sampled: _____ MM/DD/YY <hr/> Office Use only Extension Unit Code: <div style="border: 1px solid black; width: 60px; height: 40px; margin: 0 auto;"></div>
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**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.

<b>Sample ID</b> <small>use letters or numbers</small>		<b>Track &amp; Field ID</b> <small>use letters or numbers</small>	
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**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 # <small>(from list on back)</small>	Name		Crop Code # <small>(from list on back)</small>	Name	Yield <small>Bu/A, T/A, etc.</small>

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

<b>Last Lime Application</b>		<b>Check <input checked="" type="checkbox"/> if</b>	<b>Prominent Soils in Field</b> <small>(see back)</small>	<b>Your Yield Estimate</b>		* 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.																												
<table style="width:100%; border-collapse: collapse;"> <tr> <th style="width:50%;">Months Previous</th> <th style="width:50%;">Rate Ton/Acre</th> </tr> <tr> <td><input type="radio"/> Unknown</td> <td><input type="radio"/> 0</td> </tr> <tr> <td><input type="radio"/> 0-6</td> <td><input type="radio"/> 0.1-1.0</td> </tr> <tr> <td><input type="radio"/> 7-12</td> <td><input type="radio"/> 1.1-2.0</td> </tr> <tr> <td><input type="radio"/> 13-18</td> <td><input type="radio"/> 2.1-3.0</td> </tr> <tr> <td><input type="radio"/> 19+</td> <td><input type="radio"/> 3.1+</td> </tr> </table>	Months Previous	Rate Ton/Acre	<input type="radio"/> Unknown	<input type="radio"/> 0	<input type="radio"/> 0-6		<input type="radio"/> 0.1-1.0	<input type="radio"/> 7-12	<input type="radio"/> 1.1-2.0	<input type="radio"/> 13-18	<input type="radio"/> 2.1-3.0	<input type="radio"/> 19+	<input type="radio"/> 3.1+	<input type="checkbox"/> Field has artificial drainage <input type="checkbox"/> Soil is a Histosol <input type="checkbox"/> Manure will be applied	<table style="width:100%; border-collapse: collapse;"> <tr> <th style="width:50%;">Soil Map Unit Symbol for:*</th> <th style="width:50%;">Percent (%) of Field</th> </tr> <tr> <td>Largest area _____</td> <td>_____</td> </tr> <tr> <td>2<sup>nd</sup> Largest area _____</td> <td>_____</td> </tr> <tr> <td>3<sup>rd</sup> Largest area _____</td> <td>_____</td> </tr> </table>	Soil Map Unit Symbol for:*	Percent (%) of Field	Largest area _____	_____	2 <sup>nd</sup> Largest area _____	_____	3 <sup>rd</sup> Largest area _____	_____	<table style="width:100%; border-collapse: collapse;"> <tr> <th style="width:50%;">(For crop to be grown)</th> <th style="width:50%;">Select Units</th> </tr> <tr> <td> </td> <td><input type="checkbox"/> Ton/Acre</td> </tr> <tr> <td> </td> <td><input type="checkbox"/> Bushel/Acre</td> </tr> <tr> <td> </td> <td><input type="checkbox"/> Acre/AU**</td> </tr> </table>	(For crop to be grown)	Select Units		<input type="checkbox"/> Ton/Acre		<input type="checkbox"/> Bushel/Acre		<input type="checkbox"/> Acre/AU**		
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**SOIL TEST DESIRED AND FEES**

	In-State cost per sample	Out-of-State cost per sample
<input type="checkbox"/> Routine (soil pH, P, K, Ca, Mg, Zn, Mn, Cu, Fe, B, and estimated CEC)	No-Charge	\$16.00
<input type="checkbox"/> Organic Matter – Determines percentage in soil - no recommendation given	\$4.00	\$6.00
<input type="checkbox"/> 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”**. Do not send cash by mail. 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.

**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

**Field Grown Specialty Crops**

Cut Flowers . . . . . 151  
 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**

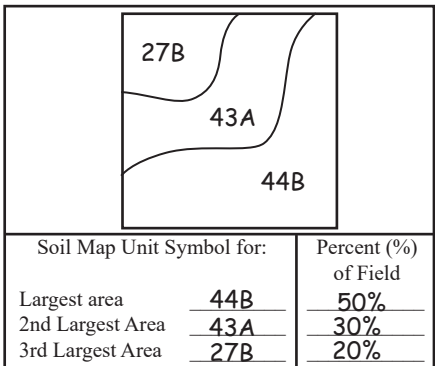
Sod Production:  
 Kentucky Bluegrass, Fescue . . . . 90  
 Bermuda, Zoysia . . . . . 91

**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



**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*