



Soil Sample Information Sheet for Commercial Crop Production

Please Type or Write Legibly (Form expires July 2020)

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 <hr/> Office Use only Extension Unit Code: <div style="border: 1px solid black; width: 80px; height: 60px; margin: 0 auto;"></div> |
|---|---|

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 <small>use letters or numbers</small> | | Track & Field ID <small>use letters or numbers</small> | |
|---|--|--|--|

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.

| Last Lime Application | | Check <input checked="" type="checkbox"/> if | Prominent Soils in Field <small>(see back)</small> | Your Yield Estimate | <small>* 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.</small> | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--|--------------------------------------|---|--|----------------------------|--|-------------------------------|----------------------------|-------------------------------|-----------------------------|-------------------------------|---------------------------|----------------------------|--|---|----------------------------|----------------------|--------------------|-------|------------------------------------|-------|------------------------------------|-------|--|------------------------|--------------|--|-----------------------------------|--|--------------------------------------|--|------------------------------------|--|--|
| <table border="1" 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 border="1" 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>2nd Largest area _____</td> <td>_____</td> </tr> <tr> <td>3rd Largest area _____</td> <td>_____</td> </tr> </table> | Soil Map Unit Symbol for:* | Percent (%) of Field | Largest area _____ | _____ | 2 nd Largest area _____ | _____ | 3 rd Largest area _____ | _____ | <table border="1" 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 Map Unit Symbol for:* | Percent (%) of Field | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Largest area _____ | _____ | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2 nd Largest area _____ | _____ | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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SOIL TEST DESIRED AND FEES

| <input type="checkbox"/> Routine (soil pH, P, K, Ca, Mg, Zn, Mn, Cu, Fe, B, and estimated CEC) <input type="checkbox"/> Organic Matter – Determines percentage in soil - no recommendation given <input type="checkbox"/> Soluble Salts – Determines if fertilizer salts are too high | <table border="1" style="width:100%; border-collapse: collapse;"> <tr> <th style="text-align: center;">In-State cost per sample</th> <th style="text-align: center;">Out-of-State cost per sample</th> </tr> <tr> <td style="text-align: center;">No-Charge</td> <td style="text-align: center;">\$16.00</td> </tr> <tr> <td style="text-align: center;">\$4.00</td> <td style="text-align: center;">\$6.00</td> </tr> <tr> <td style="text-align: center;">\$2.00</td> <td style="text-align: center;">\$3.00</td> </tr> </table> | In-State cost per sample | Out-of-State cost per sample | No-Charge | \$16.00 | \$4.00 | \$6.00 | \$2.00 | \$3.00 | |
|---|--|--------------------------|------------------------------|-----------|---------|--------|--------|--------|--------|--|
| In-State cost per sample | Out-of-State cost per sample | | | | | | | | | |
| No-Charge | \$16.00 | | | | | | | | | |
| \$4.00 | \$6.00 | | | | | | | | | |
| \$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

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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

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

Hops 75

Commercial Turf Production

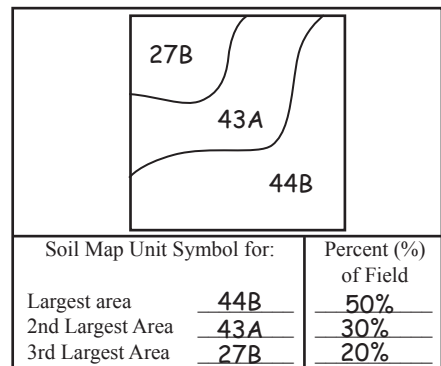
Sod Production:
 Kentucky Bluegrass, Fescue 90
 Bermuda, Zoysia 91

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