

## INSTRUCTIONS FOR SOIL TESTING SAMPLES

### *Testing serves Campbell County Residents*

**Soil Probe** – push end of probe 4”-6” deep, twist and pull up. Remove soil.

**Shovel** – push 4”-6” deep and bring up soil clump; take soil from top to bottom of clump. See details below.

#### ***Lawns***

Remove samples from several locations in yard. Mix together to equal two measuring cups (one pint or ½ quart freezer bag) of soil. Remove anything that is not soil. If soil is wet when taken, air dry on newspaper and break up large clumps. Place in any container and bring to the Extension Service office. You will be asked to provide the following information: Type of grass (bluegrass, fescue, etc.), if it is for new seeding or maintenance and if the sampled area is in a sunny or shady location.

#### ***Vegetable Gardens/Fruit***

Remove soil samples from several locations in garden. Mix together to equal two measuring cups (one pint or ½ quart freezer bag) of soil. Remove anything that is not soil. If soil is wet when taken, air dry on newspaper and break up large clumps. Place in any container and bring to the Extension Service office. You will be asked to provide the following information: Type of plant to be grown (vegetables, fruit type), if this is for a new planting or maintenance and if the sampled area is in a shady or sunny location.

#### ***Landscape Plants***

Remove samples from two or three locations around the planting site. Mix together to equal two measuring cups (one pint or ½ quart freezer bag) of soil. Remove anything that is not soil. If soil is wet when taken, air dry on newspaper and break up large clumps. Place in any container and bring to the Extension Service office. You will be asked to provide the following information: Type of plant (deciduous tree, deciduous shrub, needled evergreen tree or shrub, broadleaved evergreen tree or shrub, ground cover, flower garden, roses, azalea/rhododendron, or other), if this is for a new planting or maintenance and if the sampled area is in a shady or sunny location.

#### ***Farms***

Remove soil samples from several locations in the planting site. If the same crop is to be grown in a large tract, divide the acreage into smaller sample areas (approximately one to two acres). Mix together to equal two measuring cups (one pint or ½ quart freezer bag) of soil for each sample area. Remove anything that is not soil. If soil is wet when taken, air dry on newspaper and break up large clumps. Place in any container and bring to the Extension Service office. You will be asked to provide the following information:

<u>Crop to be grown:</u>	alfalfa	alfalfa/grass	canola
	canola/soybeans	cool season grass	corn
	fescue	fescue/lespedeza	forage crops
	grain crops	lespedeza	lespedeza/grass
	red clover	red clover/grass	small grains
	small grains/corn	small grains/soybeans	soybeans
	tobacco beds	tobacco – burley	warm season grass
	white clover/grass		

Previous Crop: (same list as above)

Crop Management for crop to be grown and previous crop:

conventional tillage  
no tillage  
hay or pasture less than 4 years  
hay or pasture 5 years or longer  
doublecrop – conventional  
doublecrop – no till  
new seeding  
renovation  
annual top dressing

Crop Use:

grain	silage – grain (double crop)
silage	grain – grain (double crop)
tobacco	silage – silage (double crop)
hay	cover crop
pasture	other
seed production	

Soil Drainage:

well	poorly
moderately well	poorly, but tilled
somewhat poorly	

Tobacco: What was there 2 years ago: good sod, medium sod, poor sod, tobacco, other

Fertilizer/Lime: How many pounds per acre of nitrogen, potassium and phosphorus was applied in the last 12 months?

Amount and date of lime applied in past 3 years.

Tons per acre of manure applied in past 12 months.

***Commercial Horticulture Growers***

Only one type of plant for each soil sample can be marked on soil test form. Remove samples from several locations in garden. Mix together to equal two measuring cups (one pint or ½ freezer bag) of soil. Remove anything that is not soil. If soil is wet when taken, air dry on newspaper and break up large clumps. Place in any container and bring to the Extension Service office. You will be asked to provide the following information: Type of plant to be grown (vegetable type, fruit type), type of plant previously grown in area, management system, irrigated or not, herbicides used last year and site drainage.

County Code: 

--	--	--

## Soil Testing—Agricultural Row Crop Submittal Form (AR)

A routine soil test will be conducted. Your report will show Phosphorus, Potassium, Calcium, Magnesium, Zinc, pH and buffer pH.

Name \_\_\_\_\_ Email \_\_\_\_\_

Address \_\_\_\_\_

City \_\_\_\_\_ State \_\_\_\_\_ Zip Code \_\_\_\_\_ Phone: \_\_\_\_\_

Number of Samples: \_\_\_\_\_

Enter codes from page 2  
 Multiple crops can be entered for each sample.

County Sample #	Optional Tests (Extra fee applies)	Owner Sample ID	Acres	Primary Crop (Required)	Primary Mgmt	Primary Use	Soil Drainage (Corn or Tobacco Only)	Previous Crop (Corn or Tobacco Only)	Previous Mgmt (Corn after Pasture Only)

*Extension office use:* Report sent: \_\_\_\_\_

Date Received: \_\_\_\_\_ Received by: \_\_\_\_\_ Date Entered: \_\_\_\_\_ Date Paid: \_\_\_\_\_

*Lab use:*

Date Received: \_\_\_\_\_ Received by: \_\_\_\_\_ Lab #(s) : \_\_\_\_\_ Billing Code: \_\_\_\_\_

# Soil Testing—Agricultural Row Crop Submittal Form Selections

Optional tests may be added to any sample.

## -- Optional Tests -- (Extra fee applies)

05 - Heavy Metals (Cadmium, Chromium, Copper, Lead, Nickel, Zinc)	BO - Boron
07 - Soil Texture (Sand, Silt, Clay & Textural Class)	OM - Organic Matter
23 - Micronutrients (Boron, Copper, Iron, Manganese)	PA - Potential Acidity (mine spoils)
NR - No routine test	SS - Soluble Salts

See our price list for additional tests. <https://www.rs.uky.edu/soil/forms/pricelist.pdf>

Call the lab for submittal instructions when ordering tests not listed above.

This information is needed to customize recommendations.

## -- select Primary Crop -- (Required)

Corn	Soybean
Grain Crops (multiple)*	Sunflower
Grain Sorghum	Tobacco, Burley
Hemp	Tobacco, Dark
Other (no recommendations)	Wheat
<b>Small Grain</b>	Wheat/Corn
<b>Small Grain/Corn</b>	Wheat/Soybean
<b>Small Grain/Soybean</b>	

\* Recommendations for Corn, Grain Sorghum, Soybean, Wheat

**Small Grain:** Barley, Canola, Oats, Rye, Triticale

## -- select Primary Management --

CT - Conventional Tillage
DC - Doublecrop-Conventional
DN - Doublecrop-No Till
NT - No Tillage

## -- select Primary Use --

CC - Cover Crop
GR - Grain
GG - Grain-Grain (double crop)
SP - Seed Production
SL - Silage
SG - Silage-Grain (double crop)
SS - Silage-Silage (double crop)
TB - Tobacco

This information is only needed when the primary crop is **Corn** or **Tobacco**.

## -- select Soil Drainage --

MW - Moderately Well
PD - Poorly Drained
PT - Poorly, but tiled
SP - Somewhat Poorly
WD - Well Drained

## -- select Previous Crop --

Alfalfa	Hemp	<b>Small Grain/Soybean</b>
Alfalfa/Grass	<b>Legume</b>	Soybean
<b>Cool Season Grass</b>	<b>Legume/Grass</b>	Sunflower
Corn	<b>Native Warm Season Grass</b>	Tobacco
Fallow	Other	<b>Warm Season Annual Grass</b>
Forage Sorghum	<b>Small Grain</b>	
Grain Sorghum	<b>Small Grain/Corn</b>	

**Cool Season Grass:** Kentucky Bluegrass, Fescue, Orchardgrass, Ryegrass, Timothy

**Legume:** Birdsfoot Trefoil, Crownvetch, Lespedeza, Red Clover, White Clover

**Native Warm Season Grass:** Bluestem, Indiangrass, Side Oats Grama, Switchgrass, Gammagrass

**Small Grain:** Barley, Canola, Oats, Rye, Triticale, Wheat

**Warm Season Annual Grass:** Forage Sorghum, Millet, Sudangrass, Sorghum-Sudangrass

This information is only needed when the primary crop is **Corn** and the previous crop was **Pasture**.

## -- select Previous Management --

L4 - Hay or Pasture less than 4 years ago
G4 - Hay or Pasture greater than 4 years ago

--	--	--

## Soil Testing—Commercial Horticulture Submittal Form (CH)

A routine soil test will be conducted. Your report will show Phosphorus, Potassium, Calcium, Magnesium, Zinc, pH and buffer pH.

Name \_\_\_\_\_ Email \_\_\_\_\_

Address \_\_\_\_\_

City \_\_\_\_\_ State \_\_\_\_\_ Zip Code \_\_\_\_\_ Phone: \_\_\_\_\_

Number of Samples: \_\_\_\_\_

Enter codes from page 2  
Multiple crops can be entered for each sample.

County Sample #	Optional Tests (Extra fee applies)	Owner Sample ID	Acres	Primary Crop (Required)	Primary Mgmt.	Irrigation	Soil Drainage	Previous Crop	Previous Mgmt.

*Extension office use:* Report sent:

Date Received: \_\_\_\_\_ Received by: \_\_\_\_\_ Date Entered: \_\_\_\_\_ Date Paid: \_\_\_\_\_

*Lab use:*

Date Received: \_\_\_\_\_ Received by: \_\_\_\_\_ Lab #(s) : \_\_\_\_\_ Billing Code: \_\_\_\_\_

# Soil Testing—Commercial Horticulture Submittal Form Selections

Optional tests may be added to any sample.

## -- Optional Tests -- (Extra fee applies)

05 - Heavy Metals (Cadmium, Chromium, Copper, Lead, Nickel, Zinc)  
07 - Soil Texture (Sand, Silt, Clay & Textural Class)  
23 - Micronutrients (Boron, Copper, Iron, Manganese)  
NR - No routine test

BO - Boron  
OM - Organic Matter  
SS - Soluble Salts

See our price list for additional tests. <https://www.rs.uky.edu/soil/forms/pricelist.pdf>

Call the lab for submittal instructions when ordering tests not listed above.

This information is needed to customize recommendations.

## -- select Crop -- (Primary Crop Required)

Annuals	Currants and Gooseberries	Perennials (not bulbs)	Squash
Apples	Eggplant	Plums	Strawberries
Asparagus	Grapes	Potatoes	Sweet Potatoes
Azaleas	Greens (collards, kale, etc.)	Pumpkins	Tomatoes
Beans (snap, dry, lima etc.)	Hollies	Raspberries	Tomatoes, High Tunnel
Blackberries	Okra	Rhododendrons	Trees, Broadleaved Evergreen
Blueberries	Onions (green & bulb)	Rhubarb	Trees, Conifers (junipers)
Bulbs	Other (no recommendations)	Root Crops (beets, carrots etc.)	Trees, Conifers (not pines or junipers)
Cantaloupes	Peaches	Shrubs, Broadleaved Evergreen	Trees, Conifers (pines)
Cherries, Tart	Pears	Shrubs, Deciduous	Trees, Deciduous
Cole Crops (broccoli, etc.)	Pecans	Snap Peas	Walnuts
Corn, Sweet	Peppers (bell & pimento)	Southern Peas	Watermelons
Cucumbers			

## -- select Management --

BS - Bare sod  
BPM - Black plastic mulch  
CT - Conventional Tillage  
LT - Limited Tillage with no weed control  
LTW - Limited Tillage with weed control  
NT - No Tillage  
OM - Organic mulch  
SN - Sod Nursery  
SO - Sod Orchard  
TNW - Tilled Nursery with weed control

## -- select Irrigation --

IR - Irrigated  
NI - Not Irrigated

## -- select Soil Drainage --

MW - Moderately Well Drained  
PD - Poorly Drained  
SP - Somewhat Poorly Drained  
WD - Well Drained

--	--	--

## Soil Testing—Home Garden Submittal Form (HG)

A routine soil test will be conducted. Your report will show Phosphorus, Potassium, Calcium, Magnesium, Zinc, pH and buffer pH.

Name \_\_\_\_\_ Email \_\_\_\_\_

Address \_\_\_\_\_

City \_\_\_\_\_ State \_\_\_\_\_ Zip Code \_\_\_\_\_ Phone: \_\_\_\_\_

Number of Samples: \_\_\_\_\_

Enter codes from below  
Multiple plants can be entered for each sample.

County Sample #	Optional Tests (Extra fee applies)	Owner Sample ID	Plant (Required)	Location	Shady or Sunny

**-- Optional Tests -- (Extra fee applies)**

- 05 - Heavy Metals (Cadmium, Chromium, Copper, Lead, Nickel, Zinc)
- 07 - Soil Texture (Sand, Silt, Clay & Textural Class)
- 23 - Micronutrients (Boron, Copper, Iron, Manganese)
- NR - No routine test

- BO - Boron
- OM - Organic Matter
- SS - Soluble Salts

See our price list for additional tests. <https://www.rs.uky.edu/soil/forms/pricelist.pdf>

Call the lab for submittal instructions when ordering tests not listed above.

This information is needed to customize recommendations.

-- select Plant -- (Required)	-- select Location --	-- select Shady or Sunny --
Azalea/Rhododendron	EG - Existing Garden or Planting	SHD - Shady Location <7 hrs.
Blueberries	NEW - New Garden or Planting	SUN - Sunny Location 7+ hrs.
Blackberries	RB - Raised Bed (Veg or Flowers only)	
Broadleaved Evergreen Tree or Shrub		
Deciduous Shrub		
Deciduous Tree		
Flowers, Annual		
Flowers, Perennial		
Fruit Tree		
Grapes		
Ground Covers		
Needled Evergreen Tree or Shrub		
Nut Tree		
Other (no recommendations)		
Raspberries		
Roses		
Strawberries		
Vegetable Garden		

*Extension office use:* Report sent:

Date Received: \_\_\_\_\_ Received by: \_\_\_\_\_ Date Entered: \_\_\_\_\_ Date Paid: \_\_\_\_\_

*Lab use:*

Date Received: \_\_\_\_\_ Received by: \_\_\_\_\_ Lab #(s) : \_\_\_\_\_ Billing Code: \_\_\_\_\_

--	--	--

## Soil Testing—Home Lawn and Turfgrass Submittal Form (HL)

A routine soil test will be conducted. Your report will show Phosphorus, Potassium, Calcium, Magnesium, Zinc, pH and buffer pH.

Name \_\_\_\_\_ Email \_\_\_\_\_

Address \_\_\_\_\_

City \_\_\_\_\_ State \_\_\_\_\_ Zip Code \_\_\_\_\_ Phone: \_\_\_\_\_

Number of Samples: \_\_\_\_\_

Enter codes from below

Multiple plants can be entered for each sample.

County Sample #	Optional Tests (Extra fee applies)	Owner Sample ID	Plant (Required)	Location	Existing or New	Shady or Sunny

### -- Optional Tests -- (Extra fee applies)

05 - Heavy Metals (Cadmium, Chromium, Copper, Lead, Nickel, Zinc)

07 - Soil Texture (Sand, Silt, Clay & Textural Class)

23 - Micronutrients (Boron, Copper, Iron, Manganese)

NR - No routine test

See our price list for additional tests.

<https://www.rs.uky.edu/soil/forms/pricelist.pdf>

Call the lab for submittal instructions when ordering tests not listed above.

BO - Boron

OM - Organic Matter

SS - Soluble Salts

This information is needed to customize recommendations.

### -- select Plant -- (Required)

Bermudagrass

Creeping Bentgrass

Fine Fescue

Kentucky Bluegrass

Other (no recommendations)

Perennial Ryegrass

Tall Fescue

Zoysiagrass

Select Tall Fescue if Primary Crop is unknown

### -- select Location --

AF - Athletic Field

TRF - General Turf

GF - Golf Fairway

GG - Golf Green

GT - Golf Tee

HL - Home Lawn

OTH - Other Location

SP - Sod Production

### -- select Existing or New --

EL - Existing Lawn

NL - New Lawn

### -- select Shady or Sunny --

SHD - Shady Location <7 hrs.

SUN - Sunny Location 7+ hrs.

Extension office use: Report sent:

Date Received:

Received by:

Date Entered:

Date Paid:

Lab use:

Date Received:

Received by:

Lab #(s) :

Billing Code:



County Code: 

--	--	--

## Soil Testing—Agricultural Pasture/Hay Submittal Form (AP)

A routine soil test will be conducted. Your report will show Phosphorus, Potassium, Calcium, Magnesium, Zinc, pH and buffer pH.

Name \_\_\_\_\_ Email \_\_\_\_\_

Address \_\_\_\_\_

City \_\_\_\_\_ State \_\_\_\_\_ Zip Code \_\_\_\_\_ Phone: \_\_\_\_\_

Number of Samples: \_\_\_\_\_

Enter codes from page 2  
Multiple crops can be entered for each sample.

County Sample #	Optional Tests (Extra fee applies)	Owner Sample ID	Acres	Primary Crop (Required)	Primary Mgmt.	Primary Use

*Extension office use:* Report sent: \_\_\_\_\_

Date Received: \_\_\_\_\_ Received by: \_\_\_\_\_ Date Entered: \_\_\_\_\_ Date Paid: \_\_\_\_\_

*Lab use:*

Date Received: \_\_\_\_\_ Received by: \_\_\_\_\_ Lab #(s) : \_\_\_\_\_ Billing Code: \_\_\_\_\_

# Soil Testing—Agricultural Pasture/Hay Submittal Selections

Optional tests may be added to any sample.

## -- Optional Tests -- (Extra fee applies)

05 - Heavy Metals (Cadmium, Chromium, Copper, Lead, Nickel, Zinc)	BO - Boron
07 - Soil Texture (Sand, Silt, Clay & Textural Class)	OM - Organic Matter
23 - Micronutrients (Boron, Copper, Iron, Manganese)	PA - Potential Acidity (mine spoils)
NR - No routine test	SS - Soluble Salts

See our price list for additional tests. <https://www.rs.uky.edu/soil/forms/pricelist.pdf>

Call the lab for submittal instructions when ordering tests not listed above.

This information is needed to customize recommendations.

## -- select Primary Crop -- (Required)

Alfalfa	<b>Cool Season Grass</b>	<b>Native Warm Season Grass</b>
Alfalfa/Grass	Corn	Other (no recommendations)
Bermudagrass	Forage Crops (multiple)*	<b>Small Grain</b>
Buffer or Filter Strip	<b>Legume</b>	<b>Warm Season Annual Grass</b>
Clover	<b>Legume/Grass</b>	Wildlife Food Plot
Clover/Grass	* Recommendations for Alfalfa, Alfalfa/Grass, Cool Season Grass and Clover/Grass	

Select **Cool Season Grass** if Primary Crop is unknown

**Cool Season Grass or Grass:** Kentucky Bluegrass, Fescue, Orchardgrass, Ryegrass, Timothy

**Legume :** Birdsfoot Trefoil, Crownvetch, Lespedeza, Red Clover, White Clover

**Native Warm Season Grass:** Bluestem, Indiangrass, Side Oats Grama, Switchgrass, Gammagrass

**Small Grain:** Barley, Canola, Oats, Rye, Triticale, Wheat

**Warm Season Annual Grass:** Forage Sorghum, Millet, Sudangrass, Sorghum-Sudangrass

## -- select Primary Management --

AT - Annual Top Dressing
NS - New Seeding
RN - Renovation (seeding of clover, lespedeza, or other legume in an established grass stand)

## -- select Primary Use --

CC - Cover Crop
HA - Hay or Silage
HP - Horse Pasture
PS - Pasture
SP - Seed Production
WL - Wildlife