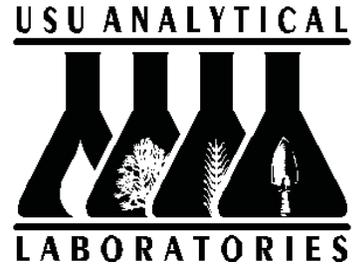


**SOIL ANALYSIS  
INFORMATION SHEET**

USU Analytical Labs  
1541 N 800 E / 9400 Old Main Hill  
Logan UT 84322-9400  
(435) 797-2217 or Fax (435) 797-2117  
www.usual.usu.edu



Date: \_\_\_\_\_  
Name: \_\_\_\_\_  
Mailing Address: \_\_\_\_\_  
City, State, Zip: \_\_\_\_\_  
County: \_\_\_\_\_  
Phone : \_\_\_\_\_  
Email : \_\_\_\_\_

	Sample Numbers			
	1	2	3	4
Sample I.D.	_____	_____	_____	_____
Sample Depth	_____	_____	_____	_____
Tests Desired*	_____	_____	_____	_____

**\*TESTS OFFERED**  
Price is per sample

1. Basic (Phosphorus (P) + Potassium (K) only) .....	14.00
2. Routine (pH, salinity, texture, Phosphorus (P), Potassium (K), recommendations-indicate crop!).....	25.00
3. Manure application - (Routine + Nitrate-N**) .....	35.00
4. Micro Plus (Routine + micronutrients (Zn, Fe, Cu, Mn))....	35.00
5. Complete (pH, salinity, texture, P, K, Nitrate-N**, micronutrients, sulfate, organic matter) .....	67.00
6. UDOT Required (pH, salinity, SAR, organic matter, particle size, >2mm).....	61.00
7. Landscaper (UDOT plus P, K, NO3-N**, micronutrients)..	90.00

Please contact the lab for individual analyses/additional analyses  
\*\*Nitrate-N analysis requires special sampling/handling. See procedures on reverse side.

**TESTS REQUIRE 2 CUPS OF SOIL PER  
SAMPLE**

Providing too much soil may cause delays, while too little soil may not be enough for all tests requested.

COMMENTS or special problems: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
Total cost of analysis: \$ \_\_\_\_\_

- Check # \_\_\_\_\_  Cash  
 # \_\_\_\_\_ **CALL FOR CC #**  
 Visa  Master card  Discover  AmEx

PLEASE INCLUDE PAYMENT WITH SAMPLE TO PREVENT  
DELAY ON SAMPLE PROCESSING.

**LAWN • GARDEN • ORCHARD**

Crops to be Grown	Sample Numbers			
	1	2	3	4
1. Garden/flowers/veg.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2. Lawn	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3. Shrubs/trees	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4. Fruit trees/canes	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
5. _____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

**MATERIALS APPLIED DURING PAST YEAR**

1. Manure	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2. Leaves/ grass/residues	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3. Commercial fertilizer	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4. _____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

**FIELD CROPS**

Crops to be Grown	Sample Numbers			
	1	2	3	4
<b>IRRIGATED</b>				
1. Alfalfa 100%	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2. Grass Hay 100%	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3. Legume /Grass Hay	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
% Legume(25% increments)_____				
4. Grass Pasture	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
5. Legume/Grass Pasture	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
% Legume(25% increments)_____				
6. Corn (silage)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
7. Corn for grain	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
8. Wheat	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
9. Barley/Oats for Grain	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
10. Potatoes	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
11. Turf (golf/sports)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
12. _____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

**NON-IRRIGATED**

13. Grain	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
14. Alfalfa	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
15. Grass Pasture	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
16. Reclamation	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
17. _____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

**YIELD GOAL\*\***

Acres in field	_____	_____	_____	_____
CROP LAST YEAR	_____	_____	_____	_____
Yield per acre	_____	_____	_____	_____
Was straw/stover removed?	<input type="checkbox"/> Yes	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/> No	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

**MANURE FOR THIS CROP:**

Tons per acre \_\_\_\_\_  
\*\*use realistic goals for your conditions

# SOIL SAMPLING PROCEDURE

Good samples are required to derive useful information from soil tests.

**WHEN:** Any time of the year; early fall is often preferred. Allow two weeks to get results before buying fertilizer. For special nitrate tests, sample in the spring (see instructions below).

**TOOLS:** (a) A clean plastic container for each depth to be sampled. (b) Sampling auger or tube (USU Extension Office) or a shovel will serve for plow-layer samples.

**AREA:** Select an area having uniform color, texture, drainage, and the same cropping and fertilizer treatment last year. Leave out non-typical spots or sample them separately. For each area to be sampled, take separate samples from 8 to 10 locations in a pattern that will represent the entire area.

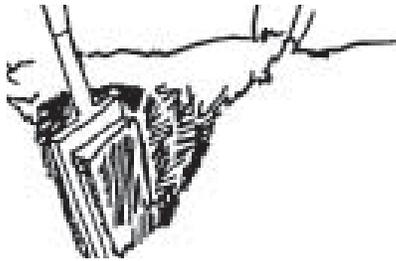
**DEPTH:** (a) Standard topsoil sample: from surface down to 12 inches; (b) Turf samples: surface down to 6 inches (4 inches for golf greens); (c) For special nitrate tests, see instructions below.

**TAKING THE SAMPLE:** Scrape away surface litter. Avoid manure spots. If previous fertilizer was banded, take special care to get a representative sample.

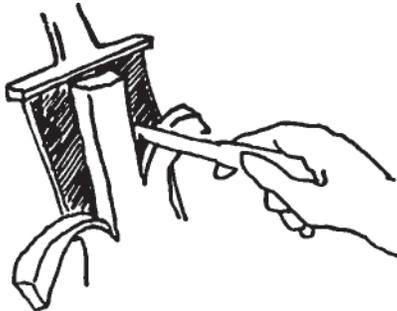
(a) Using a soil tube or auger: follow the instructions given with the tool.

(b) Using shovel:

1. Dig a V-shaped hole to plow depth. Remove a 1-inch slice of soil from one side.



2. Discard the edges of the slice until your sample is about 1 or 2 inches wide. Put it in a clean bucket.



3. Repeat 1 and 2 for other samples for the sampling areas.

**SAMPLE HANDLING:** Combine the samples from the field in a clean container. Mix them well, then take about 1 pint (to fill the bag provided, or a heavy-duty, resealable plastic bag) to send for analysis. Assign it an identification (please keep it brief, and it

should match both the form and the sample container sent to the lab) and record details in your files.

**SHIPPING:** Send samples prepaid by mail or express, accompanied by this description form and a check payable to USU Analytical Laboratories, Logan, UT 84322-9400. Retain a copy for your files.

X		X		X		X
FIELD 2	X		X		X	
Slope (grain)		X	FIELD 1	X		X
X			Ridge (alfalfa)			
	X		X		X	
X		X		X		X
	X		X		X	
X		X	FIELD 3	X		X
			Low (corn)			
X		X	X	X	X	X
X	X	FIELD 4	Low (grain)	X		X
	X	X	X	X	X	X

**SPECIAL SAMPLING** for nitrate-N when applying manure.

b. Take samples 0 to 12 inches deep as described above. Put these in one container.

c. Starting at the bottom of the hole in (b), sample the 12 to 24-inch (or 12 to 36-inch) depth. Put these subsoil samples into a separate container. Mix and label the combined subsoil sample as above. This sample will be analyzed for Nitrate-N only, and is not included in the cost of the analysis for the 0-12 inch deep sample.

d. Spread samples out on a clean surface and air-dry them before mailing (or deliver them to the lab within 24 hours).