SOIL ANALYSIS INFORMATION SHEET

Utah State University Extension

USU Analytical Labs
Ag Science Rm 166
Logan UT 84322-4830
(435) 797-2217 or Fax (435) 797-2117
www.usual.usu.edu

USU ANALYTICAL LABORATORIES

Date: _____

Name: _____

Address: _____

_____

County: _____

Phone : _____

Fax: _____

Email : _____

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

*TESTS DESIRED	Price/sample
1. Routine (pH, salinity, texture, P, K, recommendations)	14.00
2. Basic (Phosphorus + Potassium only =P+K)	10.00
3. Manure application - (Routine + Nitrate-N**)	24.00
4. Micro Plus (Routine + micronutrients)	24.00
5. Complete (pH, salinity, texture, P, K, Nitrate-N**, micronutrients, sulfate, organic matter)	50.00
6. UDOT Required (pH, salinity, SAR, organic matter, particle size, >2mm)	50.00
Individual Component Analysis	
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/SAMPLE - FILL BOX COMPLETELY FULL

COMMENTS or special problems: _____
_____
_____

Total cost of analysis: $ _____

☐ Check # _____ ☐ Cash
☐ Credit Card
#_____ exp _____
☐ Visa ☐ Master card ☐ Discover

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	☐	☐	☐	☐
2. Lawn	☐	☐	☐	☐
3. Shrubs/trees	☐	☐	☐	☐
4. Fruit trees	☐	☐	☐	☐
5._____	☐	☐	☐	☐

MATERIALS APPLIED DURING PAST YEAR

1. Manure	☐	☐	☐	☐
2. Leaves/ grass/residues	☐	☐	☐	☐
3. Commercial fertilizer	☐	☐	☐	☐
4. _____	☐	☐	☐	☐

FIELD CROPS

Crops to be Grown	Sample Numbers 1	2	3	4
IRRIGATED				
1. Alfalfa 100%	☐	☐	☐	☐
2. Grass Hay 100%	☐	☐	☐	☐
3. Legume /Grass Hay	☐	☐	☐	☐
% Legume	____	____	____	____
4. Grass Pasture	☐	☐	☐	☐
5. Legume/Grass Pasture	☐	☐	☐	☐
% Legume	____	____	____	____
6. Corn (silage)	☐	☐	☐	☐
7. Corn for grain	☐	☐	☐	☐
8. Wheat	☐	☐	☐	☐
9. Barley/Oats	☐	☐	☐	☐
10. Potatoes	☐	☐	☐	☐
11. Turf (golf/sports)	☐	☐	☐	☐
12. _____	☐	☐	☐	☐
NON-IRRIGATED				
13. Grain	☐	☐	☐	☐
14. Alfalfa	☐	☐	☐	☐
15. Grass Pasture	☐	☐	☐	☐
16. Reclamation	☐	☐	☐	☐
17._____	☐	☐	☐	☐
YIELD GOAL**	____	____	____	____
Acres in field	____	____	____	____
CROP LAST YEAR	____	____	____	____
Yield per acre	____	____	____	____
Was straw/stover removed? __Yes	☐	☐	☐	☐
__No	☐	☐	☐	☐
MANURE FOR THIS CROP:				
Tons per acre	____	____	____	____

**use realistic goals for your conditions

Rev. 10/15/2003

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.

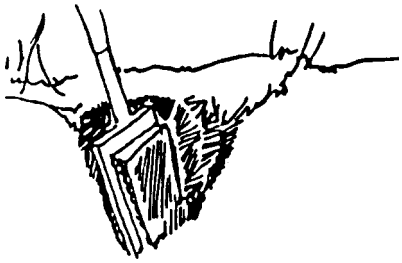
DEPTH: (a) Standard topsoil sample: from surface down to 12 inches; (b) Turf samples: surface down to 6 inches (4 inches for golf greens); (c) For special nitrate tests, see instructions below.

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

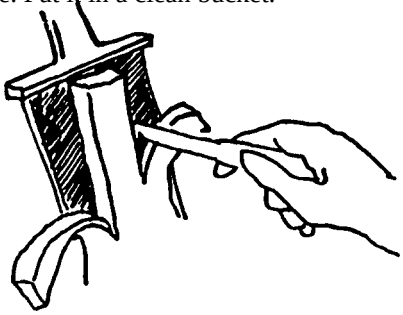
(a) Using a soil tube or auger: follow the instructions given with the tool.

(b) Using shovel:

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



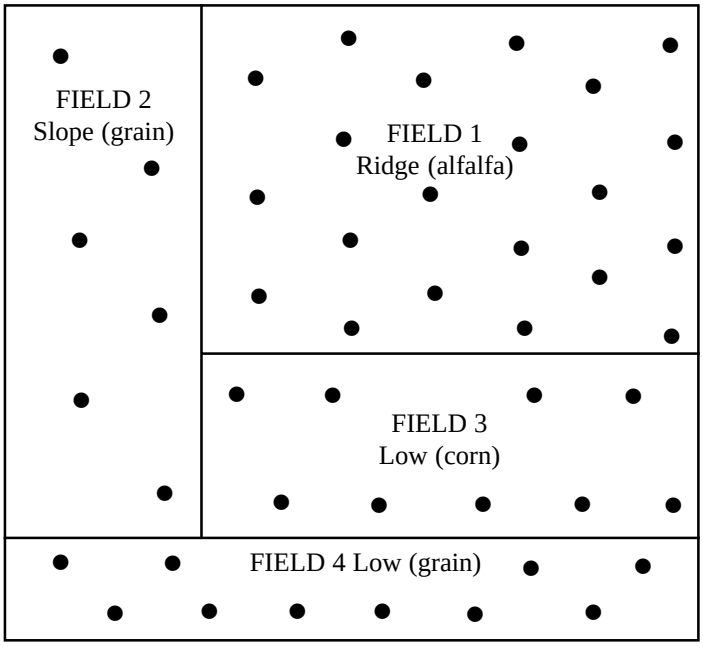
2. Discard the edges of the slice until your sample is about 1 or 2 inches wide. Put it in a clean bucket.



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 soil box provided)** to send for analysis. Assign it an identification and record details in your files.

SHIPPING:Send samples prepaid by parcel post or express, accompanied by this description form and a check payable to USU Analytical Laboratories, Logan, UT 84322-4830. Retain a copy for your files.



SPECIAL SAMPLING for nitrate-N or suspected salinity problems:

a. Sample for nitrate-N in the spring.

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.

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