SOIL ANALYSIS  
INFORMATION SHEET

USU Analytical Labs  
Ag Science Rm 166  
Logan UT 84322-4830  
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www.usual.usu.edu

FIELD CROPS  
Crops to be Grown Sample Numbers

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  
Crops to be Grown Sample Numbers

1. Grain  
2. Alfalfa  
3. Grass Pasture  
4. Reclamation  
5. _____________

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

Tests Desired*

Sample Numbers

1 2 3 4
Sample I.D. __ __ __ __
Sample Depth __ __ __ __

*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.
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).