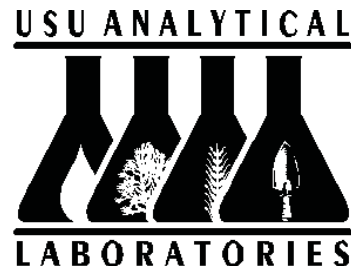




# SOIL ANALYSIS INFORMATION SHEET

USU Analytical Labs  
9400 Old Main Hill (mailing address)  
1541 N 800 E (physical location)  
Logan UT 84322-9400



(435) 797-2217 or Fax (435) 797-2117  
soiltest.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* | _____          | _____ | _____ | _____ |

|  |        |
|--|--------|
| <b>*TESTS OFFERED</b>  |        |
| Price is per sample  |        |
| 1. Basic (Phosphorus (P) + Potassium (K) only) .....   | 15.00  |
| 2. Routine (pH, salinity, texture, Phosphorus (P), Potassium (K), recommendations-indicate crop!)..... | 30.00  |
| 3. Manure application - (Routine + Nitrate-N**) .....  | 40.00  |
| 4. Micro Plus (Routine + micronutrients (Zn, Fe, Cu, Mn)) ....   | 45.00  |
| 5. Complete (pH, salinity, texture, P, K, Nitrate-N**, micronutrients, sulfate, organic matter) .....  | 80.00  |
| 6. UDOT Required (pH, salinity, SAR, organic matter, particle size, >2mm) .....                        | 80.00  |
| 7. Landscaper (UDOT plus P, K, NO3-N**, micronutrients) .  | 120.00 |
| 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

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  
 PLEASE INVOICE FOR CREDIT CARD PAYMENT

ONLINE PAYMENT OPTIONS AVAILABLE AT SOILTEST.USU.EDU

**PLEASE FILL OUT COLUMN AT RIGHT TO ENSURE BEST RECOMMENDATIONS FOR YOUR SPECIFIC CROP AND PREVIOUS MANAGEMENT**

| FOR GROWING 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"/> |

| FOR GROWING 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                     | <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. Oats                      | <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"/> |

|                      |                          |                          |                          |                          |
|----------------------|--------------------------|--------------------------|--------------------------|--------------------------|
| <b>NON-IRRIGATED</b> |                          |                          |                          |                          |
| 13. Small Grains     | <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. Safflower        | <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"/> |

|                           |                                 |                          |                          |                          |
|---------------------------|---------------------------------|--------------------------|--------------------------|--------------------------|
| <b>YIELD GOAL**</b>       | _____                           | _____                    | _____                    | _____                    |
| Acres in field            | _____                           | _____                    | _____                    | _____                    |
| <b>CROP LAST YEAR</b>     | _____                           | _____                    | _____                    | _____                    |
| Yield per acre            | _____                           | _____                    | _____                    | _____                    |
| Was straw/stover removed? | ___Yes <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
|                           | ___No <input type="checkbox"/>  | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |

**MANURE APPLIED 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 (see your Extension office).

**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 manured or composted spots. If previous fertilizer was banded, take special care to get a representative sample.

Sample areas in a yard or farm that will be managed separately (in a yard this means sampling flower beds separate from lawn, separate from a vegetable garden area; for farms this may mean areas with different soil types, different crop areas, different topography, etc.)

Sample multiple locations within each similar area in a random pattern (see example pattern in the graphic) in an effort to create a representative physical average of the soil conditions in that area.

Combine the samples from the similar area in a clean container. Mix them well, then take about 1 pint and enclose in a heavy-duty, resealable plastic bag, then into a small mailing box, to send for analysis. Assign samples unique identifications (please keep it brief, which 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  
9400 Old Main Hill  
Logan, UT 84322-9400.

**ONLINE PAYMENT OPTIONS ARE AVAILABLE AT  
SOILTEST.USU.EDU**

|               |   |   |                     |   |   |   |
|---------------|---|---|---------------------|---|---|---|
| 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 | X |                     | X | X |   |
|               |   |   | FIELD 3             |   |   |   |
| 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).