

**SOIL SAMPLE INFORMATION SHEET  
NEW MEXICO STATE UNIVERSITY  
SWAT LABORATORY**

Date: \_\_\_\_\_  
 Name: \_\_\_\_\_  
 Address: \_\_\_\_\_  
 City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_  
 Phone: \_\_\_\_\_  
 E-mail address: \_\_\_\_\_

**Check Desired Analysis:**

- Soil Sample for:  Farm - Standard  \$26.00/sample  
 Garden/Home - Standard &  
 Orchard Micronutrients  \$38.00/sample  
 Other - Only  
 Micronutrients  \$30.00/sample

|   |                        |                        |                        |                        |
|---|------------------------|------------------------|------------------------|------------------------|
| Lab ID No.<br><b>(SWAT lab use only)</b>            |                        |                        |                        |                        |
| Field or Area ID.                                   |                        |                        |                        |                        |
| Area Size (Sq ft. or Acres)                         |                        |                        |                        |                        |
| Depth Of Sample<br><b>(Circle One)</b>              | 2 4 6 8 12 inches      | 2 4 6 8 12 inches      | 2 4 6 8 12 inches      | 2 4 6 8 12 inches      |
| Last Years Crop                                     |                        |                        |                        |                        |
| Crop (See List Below)                               |                        |                        |                        |                        |
| Organic Nutrient Source<br>to be applied:(See Back) | Enter Quantity of Each | Enter Quantity of Each | Enter Quantity of Each | Enter Quantity of Each |
| *Solids (Ton/Acre)                                  |                        |                        |                        |                        |
| *Liquid (1000 gal/Acre)                             |                        |                        |                        |                        |
| *Liquid handling Ac-in/Acre)                        |                        |                        |                        |                        |
| Yield Goal  |                        |                        |                        |                        |
| Number of trees per Acre<br><b>ORCHARD ONLY</b>     | Age:            Years  | Age:            Years  | Age:            Years  | Age:            Years  |

**Irrigation method:**  Flood  Drip  Sprinkler  Sub Surface    **Amount** \_\_\_\_\_ Ac-in/Ac  
 Depth to Water Table:  < 6 ft     6-12 ft     > 12 ft

Irrigation Water Credits (Water Analyzed for Nitrate?)     Yes     No    Amount \_\_\_\_\_ mg/L)

Person Taking Sample: \_\_\_\_\_ Phone: \_\_\_\_\_  
 Comments:

**RECOMMENDATIONS AVAILABLE FOR: (WRITE IN THE BOX ABOVE) No Recommendations for incomplete forms.**

- |  |  |  |
|--|--|--|
| - Alfalfa, established stands          | - Cucumber                                 | - Pecans, 1-5 yrs                      |
| - Alfalfa, new seeding                 | - Grains, spring                           | - Pecans, 6-10 yrs                     |
| - Apples                               | - Grapes                                   | - Pecans, 11-20 yrs                    |
| - Barley, Spring or Winter             | - Grass, Bermuda or Brome                  | - Pecans, >20 yrs                      |
| - Beans, green snap                    | - Grass, Fescue or Orchard                 | - Potato, Irish or Sweet               |
| - Beans, pinto after high residue crop | - Grass, Rye                               | - Sorghum Forage or Grain              |
| - Beans, pinto after legume            | - Lettuce                                  | - Sudangrass                           |
| - Beets, sugar                         | - Oats, spring                             | - Tomatoes, Hand (multiple harvest)    |
| - Broccoli                             | - Onions, Grano(Fall Planted)              | - Tomatoes, Machine harvest            |
| - Cabbage                              | - Onions, spanish sweet                    | - Tree Fruit, New (<5yrs old)          |
| - Cantaloupes                          | - Pasture, alfalfa                         | - Tree Fruit, Old                      |
| - Carrots, fresh                       | - Pasture, alfalfa < 50% grass             | - Turfgrass, cool season, average      |
| - Cauliflower                          | - Pasture, alfalfa > 50% grass             | - Turfgrass, cool season, high quality |
| - Chile, Green or Red                  | - Pasture, grass, Good stand, Long season  | - Watermelon                           |
| - Corn, grain                          | Pasture, grass, Good stand, Short season   | - Wheat, winter                        |
| - Corn, silage 35%DM                   | - Pasture, grass, Poor stand, Long season  | - Ornamental, Woody                    |
| - Corn, sweet                          | - Pasture, grass, Poor stand, Short season | - Christmas Trees                      |
| - Cotton, pima                         | - Peanuts                                  |  |
| - Cotton, upland                       | - Peas, dry edible                         |  |

SAMPLING PROCEDURE

SOIL TESTS CAN BE NO BETTER THAN THE SAMPLE ITSELF

1. Use any clean suitable sampling tool to take sample from plow depth. Rusty tools will contaminate the sample(s).
2. Each sample should represent a uniform area. Size up the area and observe these variations:  
\* Differences in texture (sand, silt, clay), color, slope, degree of erosion, drainage, past management (fertilization, rotation, etc.).
3. Take 15 to 20 samples from each uniform area. Mix thoroughly in a plastic container and air dry. Then fill a paper bag with a quart of soil. This is the composite sample which represents the field or area. Label each container with your name and address and the number of the sample corresponding to the number on the information sheet. Information on additional tests (Soil, Water, and Plant) are available from the Soil, Water, and Air Testing Laboratory. Expected turn around time of two weeks. Mail to: NMSU, SWAT Lab, Box 30003, Dept. 3Q, Las Cruces, NM 88003. Or ship to NMSU, SWAT Lab, PGEL Building – West Door, Las Cruces, NM 88003.
4. Avoid (or sample separately, if of interest) such area as: Dead or back furrows, old straw piles, waterways, terraces, fence rows, and unusual spots.
5. Repeat the sampling procedure outlined on each uniform area you want tested.
6. Air dry the sample before mailing. Do not use heat for drying. Wet samples will delay analyses up to one week.

**IMPORTANT**

If your sample is to be tested for available micronutrients, rusty tools will contaminate the sample with iron, and galvanized or brass containers will contaminate it with zinc. The resultant soil analysis could indicate a sufficiency of these elements when actually a deficiency exists.

ALL EQUIPMENT MUST BE ABSOLUTELY CLEAN

SOIL TESTS AVAILABLE

| <u>TEST</u>   | <u>PURPOSE</u>   | <u>COST PER SAMPLE</u> |
|---|--|------------------------|
| Standard:<br>Saturated Paste pH, EC, Na, Ca, and Mg; SAR; Organic Matter; Nitrate-nitrogen; Bicarbonate phosphorous; potassium; and a Texture estimate. | Basic evaluation for characterizing the soil fertility status for growing crops. A fertilizer recommendation is given. Normally these tests are sufficient, unless a special problem is suspected. | \$26.00                |
| Micronutrients:<br>Iron, Zinc, Copper, and Manganese  | Information on the micronutrients  | \$30.00                |
| Both Standard and Micronutrients:   | (See above for info.)  | \$38.00                |

ORGANIC NUTRIENT SOURCE

**\* SOLID HANDLING SYSTEMS**

- Bat, Guano
- Goose
- Beef (20% wet wt)
- Horses-w/o bedding (10% wet wt)
- Beef (25% wet wt)
- Horses-w/o bedding (15% wet wt)
- Beef (32% wet wt) avg
- Horses-w/o bedding (22% wet wt) Avg
- Beef (35% wet wt)
- Horses-w/o bedding (25% wet wt)
- Beef (40% wet wt)
- Horses-w/o bedding (30% wet wt)
- Beef (DM)\*
- Horses-w/o bedding (DM)\*
- Chickens-w/litter (15% wet wt)
- Sewage Sludge, Activated
- Chickens-w/litter (20% wet wt)
- Sewage Sludge, Composted
- Chickens-w/litter(25% wet wt)
- Sheep (20% wet wt)
- Chickens-w/litter (30% wet wt)
- Sheep (25% wet wt)
- Chickens-w/litter (35% wet wt)
- Sheep (31% wet wt) avg
- Chickens-w/litter (DM)\*
- Sheep (40% wet wt)
- Chickens-w/o litter (45% wet wt)
- Sheep (DM)\*
- Chickens-w/o litter (50% wet wt)
- Swine (70% wet wt)
- Chickens-w/o litter (55% wet wt)
- Swine (75% wet wt)
- Chickens-w/o litter (60% wet wt)
- Swine (82% wet wt)
- Chickens-w/o litter (65% wet wt)
- Swine (85% wet wt)
- Chickens-w/o litter (DM)\*
- Swine (90% wet wt)
- Dairy Cattle (35% wet wt)
- Swine (DM)\*
- Dairy Cattle (40% wet wt)
- Turkeys-w/litter (60% wet wt)
- Dairy Cattle (46% wet wt) Avg
- Turkeys-w/litter (65% wet wt)
- Dairy Cattle (50% wet wt)
- Turkeys-w/litter (71% wet wt)
- Dairy Cattle (55% wet wt)
- Turkeys-w/litter (75% wet wt)
- Dairy Cattle (DM)\*
- Turkeys-w/litter (80% wet wt)
- Duck
- Turkeys-w/litter (DM)\*

- Turkeys-w/o litter (70% wet wt)
- Turkeys-w/o litter (75% wet wt)
- Turkeys-w/o litter (78% wet wt) avg
- Turkeys-w/o litter (85% wet wt)
- Turkeys-w/o litter (90% wet wt)
- Turkeys-w/o litter (DM)

(\*DM= Dry Manure)

**\* LIQUID**

- Beef & Dairy Liquid (anaerobic)
- Swine Liquid (anaerobic)
- Lagoon or diluted Pond

**\*\* LIQUID HANDLING SYSTEMS**

- Beef-lagoon
- Dairy-Cattle-lagoon, Alley Flush
- Dairy-Cattle-lagoon, Hand Wash
- Dairy-Cattle-lagoon, Spk Wash
- Dairy-Cattle-liquid pit
- Poultry-liquid pit
- Swine-liquid pit
- Swine-single anaerobic
- Swine-two stage anaerobic