

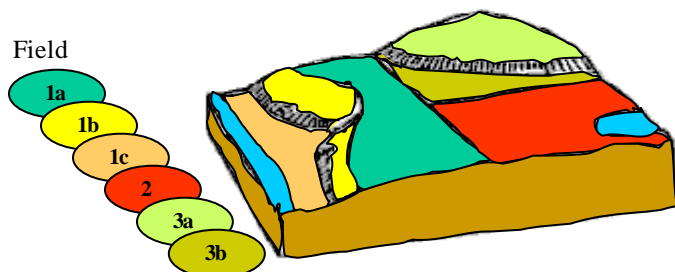
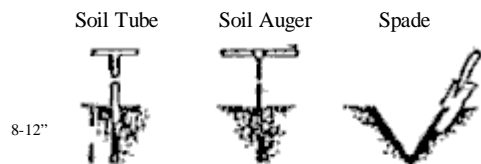
Sampling Date:		SOIL SAMPLE INFORMATION SHEET NEW MEXICO STATE UNIVERSITY SWAT LABORATORY				CHECK DESIRED ANALYSIS										
Name						Standard	\$19.00 <input type="checkbox"/>									
Address						Subsoil Nitrate (requires separate subsoil sample)	\$5.00 <input type="checkbox"/>									
City						State		Zip		Iron & Zinc w/std test	\$6.00 <input type="checkbox"/>					
Phone Number	()					Manganese & Copper w/std test	\$6.00 <input type="checkbox"/>									
Email address:		Received Date:				Verify Prices at: http://swatlab.nmsu.edu/soilist.html										
Sample is for:	<input type="checkbox"/> Farm <input type="checkbox"/> Home <input type="checkbox"/> Orchard				<input type="checkbox"/> Farm <input type="checkbox"/> Home <input type="checkbox"/> Orchard				<input type="checkbox"/> Farm <input type="checkbox"/> Home <input type="checkbox"/> Orchard <input type="checkbox"/> Farm <input type="checkbox"/> Home <input type="checkbox"/> Orchard							
Lab ID Number																
Field ID																
Geographic Location (TRS, X, Y, Lat/Long)																
Acres or Square Feet																
Sampling Depth (circle one)	0-2 2-4 4-6 6-8 8-12 12-24 0-24				0-2 2-4 4-6 6-8 8-12 12-24 0-24				0-2 2-4 4-6 6-8 8-12 12-24 0-24 0-2 2-4 4-6 6-8 8-12 12-24 0-24							
Last years crop																
This years crop																
Yield Goal																
Orchard or Vineyard?																
Establishment year & trees/vines per acre																
Organic Amendments	Enter Quantity of Each				Enter Quantity of Each				Enter Quantity of Each				Enter Quantity of Each			
Solids																
Liquids																
Irrigation System	<input type="checkbox"/> Drip <input type="checkbox"/> Flood <input type="checkbox"/> Sprinkler				<input type="checkbox"/> Drip <input type="checkbox"/> Flood <input type="checkbox"/> Sprinkler				<input type="checkbox"/> Drip <input type="checkbox"/> Flood <input type="checkbox"/> Sprinkler				<input type="checkbox"/> Drip <input type="checkbox"/> Flood <input type="checkbox"/> Sprinkler			
Depth to Groundwater	<input type="checkbox"/> <6' <input type="checkbox"/> 6-12' <input type="checkbox"/> >12'				<input type="checkbox"/> <6' <input type="checkbox"/> 6-12' <input type="checkbox"/> >12'				<input type="checkbox"/> <6' <input type="checkbox"/> 6-12' <input type="checkbox"/> >12'				<input type="checkbox"/> <6' <input type="checkbox"/> 6-12' <input type="checkbox"/> >12'			
Water Nitrate-N Credit	mg/l (ppm)				mg/l (ppm)				mg/l (ppm)				mg/l (ppm)			
Person taking sample:																
COMMENTS:																

Please remove any rocks from the sample. Submit a minimum of 2 cups of soil that has been air dried. Avoid using rusty tools or containers. See back for sampling instructions and analysis description.

SAMPLING PROCEDURE

SOIL TESTS CAN BE NO BETTER THAN THE SAMPLE ITSELF

1. Use any of the tools shown below to take sample. Sample to the plow depth (Usually 8-12").



These three fields need six soil samples

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 subsamples from each uniform area. Mix thoroughly in a plastic container and fill a plastic bag with a pint of soil. This is the composite sample which represents the field or area. Label each container with your name and address and the field or sample identification (ID) corresponding to the ID on the information sheet.
4. Avoid (or sample separately, if of interest) such areas as: Dead or back furrows, old straw piles, waterways, terraces, fence rows, and unusual or difficult spots.
5. Repeat the sampling procedure outlined on each uniform area you want tested.
6. Air dry the samples 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 zinc and iron, 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. **Use plastic containers whenever possible.**

ALL EQUIPMENT MUST BE ABSOLUTELY CLEAN

AVAILABLE SOIL TESTS

TEST	PURPOSE	COST PER SAMPLE
Standard: pH, total soluble salts, sodium adsorption ratio, organic matter nitrate-nitrogen (water extractable), phosphorus (bicarb method), and water soluble potassium.	Basic evaluation for characterizing the soil fertility status for growing crops. A fertilizer recommendation is given with sufficient information. Normally this test is sufficient unless a special problem is suspected.	\$19.00
Subsoil Nitrate:	Evaluation of nitrate supply below the plow depth. Fertilizer nitrogen recommendation based on routine soil test of surface soil is adjusted if subsoil nitrate is high.	\$5.00
NOTE: This test REQUIRES a separate subsoil (> 6") sample in addition to the std sample.		
Iron and Zinc:	Information on the micronutrients Iron and Zinc. Zinc is usually deficient in New Mexico soil. Carbonates interfere with iron and zinc uptake.	\$15.00 w/std test \$6.00
Manganese and Copper:	Information on the micronutrients Manganese and Copper.	\$15.00 w/std test \$6.00

Checks or Money Orders are made payable to New Mexico State University. Always verify prices by contacting the lab or visiting their website at <http://swatlab.nmsu.edu/>. Click on soil for a price list. Water samples can also be tested at this laboratory.

Information on additional tests (soil, water, and plant) is available from the Soil, Water, and Agricultural Testing Laboratory. Expected turn-around time is one week in lab. If a delay is expected, you will be notified by phone.

USPS Address:
New Mexico State University
SWAT LAB
Box 30003, Dept. 3Q
Agronomy and Hort Dept.
Las Cruces, New Mexico 88003

Physical Address:
New Mexico State University
SWAT LAB
2290 Knox Street, PGEL West
Las Cruces, NM 88003

