

SOIL ANALYSIS

Soil test bags are available from the Oconee County Extension Office (769-3946) behind the Oconee County Courthouse. Routine tests can be run on up to five crops for \$6.00/bag (please see Crop Code Sheets for available crops). Please make the check payable to the Oconee Co. 4-H Club. Extension publications are available at <http://extension.caes.uga.edu>.

	<u>Test Description</u>	<u>Fee</u>	<u>Laboratory</u>
S1	Routine Test	\$6.00	SPW
	pH ^w Potassium (K) Zinc (Zn)		
	Lime requirement (pH ^b) Calcium (Ca) Manganese (Mn)		
	Phosphorus (P) Magnesium (Mg)		
	NOTE: Cast (Peanut pegging Zone)	\$3.00	SPW
S2	CEC (Cation Exchange Capacity) Sodium (by summation) (S1 Test required) <i>Includes Base Saturation Calculation</i>	\$5.00	SPW
S3	Boron (Hot water extractable)	\$7.00	SPW
S4	Soluble Salts (electrical conductivity – EC)	\$7.00	SPW
S5	Texture/Mechanical (sand, silt, clay)	\$12.00	SPW
S6	Organic Matter (loss on ignition)	\$5.00	SPW
S7	Nitrate (available NO ₃ -N)	\$8.00	SPW
S8	Ammonium (available NH ₄ -N)	\$8.00	SPW
S9	Nitrite – Nitrogen (NO ₂ -N)	\$8.00	SPW
S11	Greenhouse/Nursery Test (artificial mixes only)	\$25.00	SPW
	pH Calcium (Ca) Ammonium (NH ₄ -N)		
	Phosphorus (P) Magnesium (Mg) Soluble Salts (SS)		
	Potassium (K) Nitrate (NO ₃ -N)		
S12	pH only for greenhouse/nursery media only	\$8.00	SPW
S13	Total Elemental Analysis (not for fertilizer recommendations)	\$20.00	SPW
	Phosphorus (P) Sulfur (S) Boron (B)		
	Potassium (K) Manganese (Mn) Copper (Cu)		
	Calcium (Ca) Iron (Fe) Zinc (Zn)		
	Magnesium (Mg) Aluminum (Al) Sodium (Na)		
	Lead (Pb) Cadmium (Cd) Chromium (Cr)		
	Nickel (Ni) Molybdenum (Mo)		
S14	Arsenic (As)	\$30.00	SPW
S15	Selenium (Se)	\$30.00	SPW
S16	Arsenic + Selenium (Se)	\$50.00	SPW
S17	Mercury	\$40.00	SPW
S18	Gypsum Subsoil Test Alfalfa	\$7.00	SPW
S19	Total Carbon (C) + Total Nitrogen (N) + Total Sulfur (S)	\$18.00	SPW
S20	Any single element (in Test S19)	\$8.00	SPW
S21	Any 2 elements (in Test S19)	\$14.00	SPW

PESTICIDE ANALYSIS IN SOIL

To provide a proper interpretation, it is very important to submit a representative sample as well as an adequate amount of sample to be analyzed. Refer to “**fill line**” on soil bag. An additional amount of sample may be required if several tests are requested. Provide sample depth information. The sample should not be dried. **Do not** submit samples for pesticide analysis in plastic containers.

S24	Insecticide Screen.		\$100.00	PHW
	Aldrin	Ethion	Mirex	
	Chlordane	Heptachlor	Parathion	
	DDD	Heptachlor Epoxide	PCB 1242	
	DDE	Lindane	PCB 1254	
	DDT	Malathion	PCB 1260	
	Dieldrin	Methoxychlor	Toxaphene	
	Endrin			

S25	Herbicide Analysis		\$100.00	PHW
	Atrazine	Hexazinone	Prowl	Tolban
	Balan	Lasso	Roneet	Treflan
	Bromacil	Ordram	Sencor	Vernam
	Devrinol	Oxadiazon	Simazine	(glass jar)
	Dual	Paarlan	Sutan	
	Eptam	Propachlor	Terbacil	
	Goal	Propazine	Tillam	

S26	Phenoxyherbicide Analysis.		\$100.00	PHW
------------	------------------------------------	--	----------	-----

S27	Termiticide Analysis.		\$100.00	PHW
------------	-------------------------------	--	----------	-----

Call the Pesticide and Hazardous Waste Laboratory for a written method for taking a composite soil sample from around building foundations.

Dursban	Cypermethrin
Chlordane	Bifenthrin
Pydrin	Permethrin

NOTE: Other insecticide, herbicide, pesticide and termiticide analyses are available upon request. Normal analysis time is approximately two (2) weeks. Faster analysis time is available upon request.

Check with PHW lab for multiple-sample discounts.

A soil analysis can be done through the Oconee County Extension Office. It requires about two (2) cups of soil. Routine Tests are \$6.00 each. Please call 769-3946 for more information.