

## Mission statements

## For more information

### UF/IFAS Analytical Services (ANSERV) Laboratories

Offer a suite of high-quality analytical services to faculty, researchers, and students throughout the year.

### Analytical Research Laboratory (ARL)

Offer researchers high quality analytical services for an appropriate selection of standard tests in a timely manner, following standard procedures and quality assurance protocols.

### Environmental Water Quality Laboratory (EWQL)

Offer agricultural and environmental testing compliant with applicable NELAP protocols.

### UF/IFAS ANSERV Laboratories

2390 Mowry Road, Building 631  
PO Box 110740  
Gainesville, FL 32611-0740  
352-392-1950

Email: [arl@ifas.ufl.edu](mailto:arl@ifas.ufl.edu)  
[soilslab.ifas.ufl.edu](http://soilslab.ifas.ufl.edu)

# UF/IFAS Analytical Services Laboratories



**UF IFAS**  
UNIVERSITY of FLORIDA



SOIL, WATER, AND  
ECOSYSTEM SCIENCES



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# UF/IFAS ANSERV Laboratories

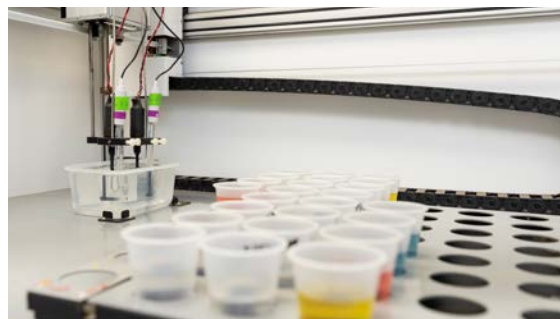
The UF/IFAS ANSERV Laboratories offer analytical services to researchers and students through its Analytical Research Laboratory (ARL) for non-certified samples and through the Environmental Water Quality Laboratory (EWQL) for NELAP-accredited analyses.

Non-certified analyses are available for soil, water, solution, and plant tissue samples. The EWQL is accredited to analyze non-potable water.

Both the ARL and the EWQL accept samples on a walk-in basis. However, it is advisable to schedule samples with the laboratory in advance.

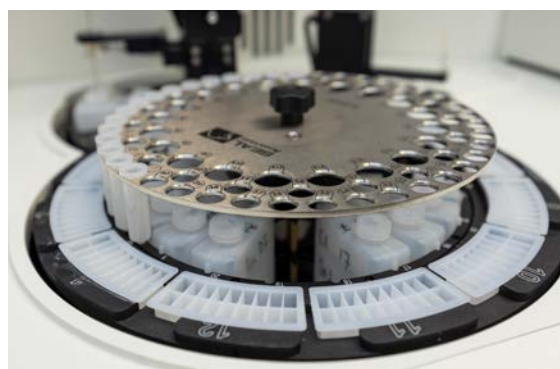
Researchers are responsible for following field sampling protocols, sample holding times, and sample preservation when using the accredited services of the EWQL.

The ANSERV Labs use modern analytical equipment including ICP spectroscopy, segmented flow analyzers, discrete analyzers, combustion analyzers, and dual probe pH/EC robots.



## List of analyses

- Soil pH and Adams-Evans buffer pH
- Electrical conductivity
- ICP metals
- Combustion analysis for total C, N, and S
- Total Kjeldahl Nitrogen
- Ammonia and NOx
- Orthophosphates
- Total phosphorus
- Chloride
- Organic matter
- Plant tissue
- Soil extractions: Mehlich-3, Mehlich-1, KCl, water, AB-DTPA
- Sample digestion
- Dilutions
- Matrix matches and unusual matrices
- Plant tissue sample preparation



## Detection limits

MDLs and PQLs for our suite of analyses are available on our web site. Please contact the ANSERV Labs for more detailed information.

- Please schedule your analyses with the ARL prior to delivering samples.
- Typical turnaround times range from 7 to 21 days. Please call the ARL to inquire about turnaround times for samples.

## Sample acceptance requirements

- Solution samples are accepted in 20 mL scintillation vials.
- Soil samples should be air dried and screened through a 2 mm mesh sieve prior to submission.
- Plant tissue samples should be dried and ground prior to submission.
- Samples should be labelled sequentially for lab submission and a record of the sample IDs should be maintained by the researcher.
- Please see sample submission form checklists for recommended sample amounts.

Manure and compost testing is also available through our Livestock Waste Testing Lab. [soilslab.ifas.ufl.edu/livestock-waste-testing](http://soilslab.ifas.ufl.edu/livestock-waste-testing).

Please visit our web site for information on analytical services and test packages through our Extension Soil Testing Laboratory (ESTL), [soilslab.ifas.ufl.edu/extension-soil-testing-laboratory](http://soilslab.ifas.ufl.edu/extension-soil-testing-laboratory).

- Submission forms are available on our website.
- For pricing, special matrices, sample volumes, or special requirements, please visit our web site or contact the ANSERV Labs.

