

Analytical Laboratories Serving Oregon

S. Andrews, D. Walenta, C. Sullivan, L. Henderson, L. Brewer

Commercial growers, gardeners, and homeowners use soil, plant, and water analyses to help them make decisions about the use of soil amendments and other management actions. Home- and business owners may also wish to test drinking water quality. In this guide, you will find a list of laboratories serving Oregon along with specific information about their laboratory services.

To compile this list, the authors requested information directly from laboratory managers. Neither Oregon State University nor the OSU Extension Service makes any endorsement by listing a laboratory, nor does omission of a laboratory indicate anything about the quality of its services. You can find other sources of laboratory services with an internet search or in the yellow pages.

Using a nutrient management guide

Many growers use a crop-specific, OSU Extension Service nutrient management guide that states exactly which testing protocols formed the basis of its fertilization recommendation. To follow the nutrient management guide's recommendation correctly, choose a lab that uses the same testing protocols. The results from an extraction method other than the one cited in the nutrient management guide may produce a different or unsupported fertilizer recommendation.

To make sure you can use your analytical lab results:

- Sample to the same depth or use the same plant part specified in the nutrient management guide.
- Make a composite sample from the recommended number of subsamples.
- Sample at the recommended time of year.
- Request the same analytical method that is stated in the nutrient management guide.

You can find nutrient management guides in the OSU Extension Service Catalog at <https://catalog.extension.oregonstate.edu/>



Photo by Clare Sullivan, © Oregon State University.

Collecting field pea tissue samples for nutrient analyses.

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Sampling for farms and gardens

Soil condition and plant stages vary depending on the season, their geographic location, or their position in the landscape. The usefulness of your lab results will vary depending on when, where, and how you collect the sample. See the OSU Extension Service publication, *A Guide to Collecting Soil Samples for Farms and Gardens* (EC 628) for more details. Local Extension faculty can also confirm that you are following standard sampling procedures.

If your main concern is to understand why plants don't grow in a certain area, a soil or plant nutrient analysis might not answer all of your questions. It is recommended that you work with your local Extension faculty to assess potential barriers and develop a plan to resolve plant performance issues.

Testing for contaminants

Many people are concerned that plants, soils, and water have been contaminated with heavy metals. While many labs analyze for these contaminants, different methods produce different results. If your concern is environmental health, look for a certified lab that uses the methods similar to the standards set by health and safety regulations. You can find more detail about these methods, standards, and regulations in *Reducing Lead Hazard in Gardens and Play Areas* (EC 1616).

This publication's list of labs includes services related to the overall health of the environment. The level of testing and services provided within each

category varies between labs. Confirm that the lab you are interested in can give you the results you seek.

Many plant production and environmental problems are interrelated. Quality analytical results can improve management decisions, environmental conditions—and your economic bottom line. You can find details for well-water sampling and interpretation of well-water analyses in the *Water Well Owner's Handbook, A guide to water wells in Oregon* (Oregon Health Authority).

Before you submit a sample

Consult your local OSU Extension Service faculty before you submit samples to a laboratory. They can help assure that the analysis you request will give you the information to support your management decisions.

Before submitting any sample, call the lab or visit the website for specifics about costs and payment, shipping instructions, the methods used for analysis, and their average turn-around time for results. Confirm that the lab contact understands what kind of decisions you want to make from your test results. This will ensure that you get the highest quality information from your investment.

Analytic labs can be accredited by professional organizations or participate in proficiency testing programs specific to the types of tests they perform. If you have questions about the accreditation of any laboratory, be sure to ask before submitting your samples.

Services by laboratory

	Soil testing						Water analysis				Plant analysis				Disease testing/ identification	
	Full complement of agricultural soil tests	Agronomic recommendations based on soil test	Heavy metals	Contaminants (pesticides, other chemicals)	Soil health analysis	Analyze nutrient content of soil amends (manures, compost, feather meal, etc.)	Biological analyses (total or fecal coliform)	Pesticides or other contaminants	Nitrate, lead, metals	Irrigation water quality (hardness, pH, salts)	Plant tissue analysis for nutrient concentration	Provide agronomic recommendations based on tissue results	Analyze feed and forage (NDF/ADF, crude fiber, fat, protein, total ash)	Confirm presence of endophyte on ryegrass or fescue	Soil-borne pathogens (phytophthora, etc.)	Identify plant pathogens or diseases
A&L Western Agricultural Laboratories	•	•	•			•		•	•	•	•	•		•		
AgSource Laboratories	•	•	•		•	•		•	•	•	•	•		•		
ALS Environmental	•	•	•	•		•	•	•	•							
Analytical Resources			•	•			•	•	•							
AV Labs, Inc.	•	•				•		•	•	•		•				
Basin Agri-Serve	•	•				•				•	•	•				
Best-Test Analytical Services, LLC	•	•	•		•	•		•	•	•						
Brookside Laboratories, Inc.	•		•	•	•	•	•	•	•	•		•				
Cascade Analytical, Inc.	•		•			•		•	•	•						
Dairy One Forage Lab	•				•	•		•	•	•	•	•				
Dellavalle Laboratory, Inc.	•	•			•	•	•	•	•	•	•	•		•		
Edge Analytical	•	•	•				•	•	•							
Kuo Testing Laboratories, Inc.	•	•	•	•	•	•	•	•	•	•	•	•				
Magic Valley Labs							•	•	•							
Mukang Labs, Inc	•	•	•		•	•	•	•	•	•	•	•				
Northwest Agricultural Consultants	•	•	•	•	•	•		•	•	•	•	•				
OMIC USA, Inc.	•		•	•			•	•	•							
Oregon State University — Soil Health Lab	•		•		•	•		•	•			•				

Services by laboratory (continued)

	Soil testing						Water analysis				Plant analysis				Disease testing/ identification	
	Full complement of agricultural soil tests	Agronomic recommendations based on soil test	Heavy metals	Contaminants (pesticides, other chemicals)	Soil health analysis	Analyze nutrient content of soil amends (manures, compost, feather meal, etc.)	Biological analyses (total or fecal coliform)	Pesticides or other contaminants	Nitrate, lead, metals	Irrigation water quality (hardness, pH, salts)	Plant tissue analysis for nutrient concentration	Provide agronomic recommendations based on tissue results	Analyze feed and forage (NDF/ADF, crude fiber, fat, protein, total ash)	Confirm presence of endophyte on ryegrass or fescue	Soil-borne pathogens (phytophthora, etc.)	Identify plant pathogens or diseases
Oregon State University — Cooperative Chemical Analytical Laboratory								•	•							
Oregon State University — Endophyte Service Lab													•			
Oregon State University — Plant Disease Clinic														•	•	
Pacific Agricultural Laboratory				•			•									
Soiltest Farm Consultants, Inc.	•	•	•		•	•		•	•	•		•				
Specialty Analytical	•	•	•	•		•	•	•	•	•	•					
Stukenholtz Laboratory, Inc.	•	•				•		•	•	•	•	•				
Table Rock Labs	•	•					•	•	•							
University of Idaho — Analytical Sciences Laboratory	•		•			•		•	•	•	•					
USAg Analytical Services, Inc.	•							•	•	•		•				
Utah State University Analytical Lab	•	•	•			•		•	•	•	•	•				
Waterlab Corp.						•		•	•							

Services by laboratory (continued)

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Waypoint Analytical California, Inc.	•	•	•	•		•	•	•	•	•	•			•	•	
Western Laboratories, Inc.	•	•				•		•	•	•	•	•	•	•	•	
William F. Black Soil Testing	•	•	•			•			•	•						

Laboratory contact information

A&L Western Agricultural Laboratories

10220 SW Nimbus Ave., Bldg. K-9
Portland, OR 97223
503-968-9225
Fax: 503-598-7702
Web: www.al-labs-west.com
Email: alportland@al-labs-west.com

Ag Source Laboratories

323 Sixth St. – P.O. Box 1350
Umatilla, OR 97882
800-537-1129
Fax: 541-922-5496
Web: [http://agsource.crinet.com/page3780/
Umatilla-Locations](http://agsource.crinet.com/page3780/Umatilla-Locations)
Email: umatilla@agsource.com

ALS Environmental

1317 South 13th Avenue
Kelso, WA 98626
360-577-7222
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Email: kurt.clarkson@alsglobal.com

Analytical Resources

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206-621-6490
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Email: info@arilabs.com

AV Labs, Inc.

64 N. Broadway
Othello, WA 99344
509-488-2468
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Email: von@avlabsinc.com

Basin Agri-Serve

22109 Stateline Rd., P.O. Box R
Merrill, OR 97633
541-798-5112
Fax: 541-798-5114
Email: basinagri@fireserve.net

Best-Test Analytical Services, LLC

3394 Bell Rd. NE
Moses Lake, WA 98837
509-766-7701
Fax: 509-766-7705
Web: www.besttestlabs.com
Email: service@besttestlabs.com

Brookside Laboratories, Inc.

200 White Mountain Drive
New Bremen, OH 45869
419-977-2766
Fax: 419-977-2767
Web: www.blinc.com
Email: info@blinc.com

Cascade Analytical, Inc.

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Wenatchee, WA 98801
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Web: www.cascadeanalytical.com
Email: info@cascadeanalytical.com

Dairy One Forage Lab

730 Warren Rd.
Ithaca, NY 14850
607-257-1272
Fax: 607-257-1350
Web: www.dairyone.com
Email: forage@dairyone.com

Dellavalle Laboratory, Inc.

1910 W McKinley Ave.
Fresno, CA 93728
559-233-6129
Fax: 559-268-8174
Web: www.dellavallelab.com

Edge Analytical

540 SW Third
Corvallis, OR 97333
541-753-4946
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Email: lab@edgeanalytical.com

Kuo Testing Laboratories, Inc.

337 S First Ave.
Othello, WA 99344
509-488-0112
Fax: 509-488-0118
1300 Sixth St., Suite J
Umatilla, OR 97882
541-922-6435
Fax: 541-922-6435
Web: www.kuotestinglabs.com
Email: info@kuotestinglabs.com

Magic Valley Labs

210 Addison Ave.
Twin Falls, ID 83301
208-733-4250
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Email: mvlabs@cablone.net

Mukang Labs, Inc.

2526 E. St. Helens St.
Pasco, WA 99301
509-544-2159
Fax: 509-547-4605
Web: www.mukanglabs.com
Email: services@mukanglabs.com

Northwest Agricultural Consultants

2545 W Falls Ave
Kennewick, WA 99336
509-783-7450
Fax: 509-783-5305
Web: www.nwag.com
Email: lab@nwag.com

OMIC USA, Inc.

3344 NW Industrial St.
Portland, OR 97210
503-223-1497
Fax: 503-223-9436
Web: <http://www.omicnet.com/en/index.html>
Email: sales.us@omicusa.com

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Web: www.pacaglab.com
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Soiltest Farm Consultants, Inc.

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800-759-3050
Fax: 208-734-3919
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Fax: 541-276-2041
Web: <http://tablerocklaboratory.com/>
Email: trocklab@gmail.com

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Pasco, WA 99301
509-547-3838
Fax: 509-547-8645

Utah State University Analytical Lab

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435-797-2217
Fax: 435-797-2117
Web: www.usual.usu.edu
Email: usual@usu.edu

Waterlab Corp.

2603 12th St. SE
Salem, OR 97302
503-363-0473
Fax: 503-363-8900
Web: www.waterlabcorp.com
Email: waterlab@comcast.net

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Fax: 408-727-5125
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211 Hwy 95
Parma, ID 83660
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800-658-3858
Fax: 208-402-5303
Web: www.westernlaboratories.com
Email: westernl@westernlaboratories.com

William F. Black Soil Testing

503 Gardner – P.O. Box 317
Burlington, WA 98233
360-770-6437
Fax: 360-757-6112
email: wfblacksoiltester@gmail.com

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