

# TECHNICAL NOTES

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U.S. Department of Agriculture      Natural Resources Conservation Service

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Agronomy Technical Note #18

March 31, 199

## OREGON FERTILIZER GUIDES

This Technical Note transmits an updated list of Oregon State University Extension Service Fertilizer Guides. The State Agronomist will update the Fertilizer Guides list as needed and provide revised or new guides to field offices upon request. Guides are also available from the local County Extension office.

When planning Nutrient Management 580 with land users, the appropriate OSU Fertilizer Guide(s) will be referenced in the Nutrient Management Specification. A copy of the guide(s) should be provided to the land users with the specification.

Fertilizer Guides are intended to be used with good management practices. These practices include the use of recommended varieties, selection of adapted soils, integrated pest and crop management, proper seeding methods and timely harvest.

Recommended soil sampling procedures should be followed in order to estimate fertilizer needs. The extension agent in each county can provide soil sampling instructions and information sheets.

It should be noted that effective December 30, 1994 the Oregon State University, Central Analytical Lab was closed for commercial soil testing. FG 74 Analytical Laboratories serving Oregon should be consulted for commercial soil testing.

## FERTILIZER GUIDES

FG 1	Irrigated Clover-Grass Pastures (Western Oregon) (excluding Coos, Curry, Jackson, Josephine counties)...	1984
FG 4	Subclover - Grass Pasture (Western Oregon) (excluding Coos, Curry, Jackson, Josephine counties)...	1983
FG 5	Annual Ryegrass Seed (Western Oregon - West of Cascades).	1982
FG 6	Fescue Seed (Western Oregon - West of Cascades).....	1982
FG 7	Bentgrass Seed (Western Oregon - West of Cascades).....	1985
FG 9	Winter Wheat (Western Oregon - West of Cascades).....	1989
FG 8	Spring Grains (Western Oregon - West of Cascades).....	1983
FG 10	Field Corn (Western Oregon - West of Cascades).....	1983
FG 11	Sweet Corn (Western Oregon - West of Cascades).....	1983
FG 13	Table Beets (Western Oregon - West of Cascades).....	1984
FG 14	Strawberries (Western Oregon - West of Cascades).....	1988
FG 15	Peppermint (Western Oregon - West of Cascades).....	1983
FG 16	Perennial Grass Pasture (Western Oregon - West of Cascades) (Non-Irrigated).....	1984
FG 17	Red Clover (Western Oregon - West of Cascades).....	1983
FG 18	Alfalfa (Willamette Valley & Northwest Oregon).....	1983
FG 19	Potatoes (Western Oregon - West of Cascades) (Irrigated).....	1980
FG 21	Irrigated Clover-Grass Pastures (Eastern Oregon - East of Cascades).....	1983
FG 22	Native Meadows (Eastern Oregon - East of Cascades).....	1985
FG 23	Apples.....	1989
FG 24	Prunes (Oregon).....	1982
FG 25	Sweet Cherries (Oregon).....	1983
FG 26	Pears (Oregon - Except Hood River).....	1976
FG 27	Broccoli, Brussels Sprouts, Cabbage, Cauliflower (Western Oregon - West of Cascades).....	1983
FG 28	Bush Beans (Western Oregon - West of Cascades)	1983

FG 30	Crimson Clover - Vetch - Field Peas (Western Oregon - West of Cascades).....	198
FG 31	Bluegrass Seed (Northeast Oregon).....	198
FG 34	Filberts (Oregon).....	198
FG 35	Walnuts (Oregon).....	197
FG 36	Tall Fescue (Western Oregon - West of Cascades).....	198
FG 37	Irrigated Spring-Planted Small Grains Mineral Soils (Eastern Oregon - East of Cascades).....	198
FG 38	Irrigated Pastures (Central Oregon).....	196
FG 40	Irrigated Wheat (Eastern Oregon - East of Cascades).....	198
FG 44	Blue Grass Seed (Western Oregon - West of Cascades).....	198
FG 45	Orchard Grass Seed (Western Oregon - West of Cascades)...	198
FG 46	Perennial Ryegrass (Western Oregon - West of Cascades)...	198
FG 48	Loganberries, Boysenberries & Marion Blackberries (Western Oregon - West of Cascades).....	1984
FG 49	Red Raspberries (Western Oregon - West of Cascades).....	1983
FG 50	Black Raspberries (Blackcaps) (Western Oregon - West of Cascades).....	1983
FG 51	Caneberries.....	1992
FG 52	Fertilizer & Lime Materials.....	1992
FG 53	Peaches (Oregon).....	1982
FG 54	Winter Wheat (Non-Irrigated -- Columbia Plateau).....	1980
FG 55	Peas (Western Oregon - West of Cascades).....	1984
FG 56	Irrigated Potatoes (Central Oregon & Klamath Areas).....	1978
FG 57	Irrigated Potatoes (Columbia Basin - Malheur County).....	1985
FG 58	Irrigated Clover-Grass Pastures (Southwest Oregon) (Coos, Curry, Jackson, Josephine counties).....	1984
FG 59	Pears.....	1991
FG 60	Alfalfa (Southwest Oregon) (Coos, Curry, Jackson, Josephine counties).....	1985
FG 62	Sweet Corn (Eastern Oregon - East of Cascades).....	1979
FG 63	Pastures (Western Oregon and W. Washington).....	1993

FG 65	Onions - Mineral Soils (Eastern Oregon - East of Cascades).....	1983
FG 66	Fertilizing Home Fruit, Vegetable & Ornamental Gardens...	1990
FG 67	Onions (Muck Soils - Willamette Valley).....	1984
FG 68	Western Oregon Vine Crops (Cucumbers, Melons, Squash, Pumpkins).....	1990
FG 69	Peppermint & Spearmint (Eastern Oregon - East of Cascades).....	1983
FG 70	Irrigated Spring-Planted Small Grains (Peat & Muck Soils) (Klamath & Lake Counties).....	1983
FG 71	Field Corn (Eastern Oregon - East of Cascades).....	1983
FG 72	Peas (Eastern Oregon - East of Cascades).....	1983
FG 73	Douglas-Fir Christmas Trees (in Oregon and Washington)...	1994
FG 74	A List of Analytical Laboratories Serving Oregon.....	1994
FG 75	South Coastal Oregon Cranberries.....	1994
FG 76	Irrigation Water Quality.....	1990
FG 78	Blueberries.....	1991
FG 79	Hops.....	1994

# Fertilizer Guide

Reprinted July

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## ANALYTICAL LABORATORIES SERVING OREGON

Soil testing and plant analysis aid commercial growers, gardeners, and homeowners in making decisions about fertilizing or applying soil amendments. This fertilizer guide lists a variety of laboratories serving Oregon and provides specific information about laboratory services.

To compile this information, the OSU Extension Service requested information from laboratories providing services for Oregon and adjacent areas. The mention of these laboratories does not constitute endorsement by the Oregon State University Extension Service, nor should exclusion be interpreted as criticism of any service. Another source of information about commercial laboratories is the yellow pages of your local telephone directory.

Laboratories wishing to be added to this list should write John Hart, Extension Soil Science Specialist, Department of Crop and Soil Science, Ag. & Life Sciences Building 3017, Oregon State University, Corvallis, OR 97331-7306, or call (503) 737-5712. This list will be revised annually. For additional or revised copies of this information, visit your local county office of the OSU Extension Service or write Publications Orders, Agricultural Communications, Oregon State University, Admin. Services A422, Corvallis, OR 97331-2119, (503) 737-2525.

Laboratory	Area Served*			Analyses						Fertilizer recomm. (FR)	Consulting (Cnslt.)	Comments
	Oregon (OR)	Idaho (ID)	Washington WA	Tissue	Soil	Water	Feed	Pesticides (Pest.)	Heavy Metal (HM)			
<b>A &amp; L WESTERN AGRICULTURAL LABORATORIES</b> 1311 Woodland Ave., Suite 1 Modesto, CA 95351-4732 209/529-4080	X	X	X	X	X	X (1) (2)	X	X	X	X	X	Certified professional agronomist. Technical support for agriculture, nursery, golf course, and lawn care. Manure, compost, fertilizer, and soil testing. California DHS certified for water and env. analysis. Certified forage testing laboratory.
<b>AGRI-CHECK, INC.</b> 323 Sixth Street P.O. Box 1705 Umatilla, OR 97882 503/922-4894 1-800-537-1129	X	X	X	X	X	X (1) (2)	X	X	X	X	X	Certified by: Nat'l. Forage Testing Assn., Washington State University Conservation Service. Industrial waste, sludge, manure. Environmental testing, wetland mitigation, forestry.
<b>AGRI-TEST, INC.</b> 2043 Kimberly Road P.O. Box 4 Twin Falls, ID 83303-0004 208/734-2303	X	X	X	X	X	X (1)	X	X	X	X	X	Industrial and animal waste testing, plant toxins, fertilizer analysis, chemistry, plant tissue, feed analysis, soil, irrigation scheduling.
<b>ANALYTICAL LABORATORY AND CONSULTANTS</b> 361 W. 5th Avenue Eugene, OR 97401 503/485-8404 or 800/262-5973	X	X	X	X	X	X (1) (2)	X	X	X		X	Certified in Oregon, Washington, and Idaho for drinking water analysis. Also analyze irrigation water.

Laboratory	Area * Served			Analyses							(FR)	(Cnslt.)	Comments
	(OR)	(ID)	(WA)	Tissue	Soil	Water	Feed	(Pest.)	(HM)				
<b>ANTECH</b> 501 NE Thompson Mill Rd. Corbett, OR 97019 503/695-2135	X	X	X	X	X	X (1) (2)	X	X	X	X	X	X	Commodities testing, microbiological nutrient analysis, pesticide residues and soil analysis.
<b>WILLIAM F. BLACK SOIL TESTING</b> 503 N. Gardner P.O. Box 317 Burlington, WA 98233 206/757-6112	E W		E W	X	X	X (1)			X	X	X	Chemical and physical soil tests. Fertilizer recommendations for crops, landscaping, nursery, greenhouse. Fertilizer and lime analysis. Specific gravity, dry matter, moisture content, etc.	
<b>BRAUN INTERTEC NORTHWEST, INC.</b> 5405 N. Lagoon P.O. Box 17126 Portland, OR 97217-0126 503/289-1778 Fax: 289-1918	X	X	X		X	X (1) (2)	X	X	X			X	On-site sampling, hazardous waste assessment, total petroleum hydrocarbons (TPH), volatile/semi-volatile organics; GC-MS, environmental hazardous waste testing, sludge, industrial effluents, PCB's.
<b>BROOKSIDE LABORATORIES, INC.</b> 308 S. Main Street New Knoxville, OH 45871 419/753-2448	X	X	E	X	X	X (1) (2)	X	X	X			X	Manures; Nat'l Alfalfa Hay Testing certified, environmental and hazardous waste analysis; complete soil phytochemical testing (USGA procedures) for golf courses.
<b>CASCADE ANALYTICAL, INC.</b> 3019 G.S. Center Road Wenatchee, WA 98801 509/662-1888	X	X	X	X	X	X (1) (2)	X	X	X			X	Sludge and hazardous waste analysis and lime material analysis; contract research. DOE accredited, wastewater. Certified by Dept. of Health (Formerly: Stemilt Testing Lab).
<b>CENTURY TESTING LABORATORIES, INC.</b> P.O. Box 1174 Bend, OR 97709 503/382-6432	X	X	X	X	X	X (1) (2)	X	X	X			X	Environmental, hazardous waste, irrigation and drinking water analysis laboratory. Multi-state accredited certified under USEPA CLP Laboratory Program, and by Nat'l Alfalfa Hay Testing Association.
<b>CH2M HILL</b> Redding Environmental Laboratory 5090 Caterpillar Road Redding, CA 96003 916/244-5227	X	X	X	X	X	X (2)		X	X			X	Environmental, hazardous waste, agricultural analysis in water, wastewater, soil, sludge, and plant tissue sampling.
<b>COFFEY LABORATORIES, INC.</b> 12423 NE Whitaker Way Portland, OR 97230 503/254-1794 Fax: 503/254-1452	X	X	X	X	X	X (1) (2)	X	X	X	X	X	X	Comprehensive environmental laboratory soil, forage, feed and water testing. NIR analysis of hay. Fertilizer and pesticide/herbicide residue analysis. Certified under Nat'l Alfalfa Hay Testing Association. Microbiological, microbiological and nutritional analysis.
<b>COLUMBIA LABORATORIES</b> P.O. Box 40 Corbett, OR 97019 503/695-2287	X	X	X	X	X	X (1) (2)	X	X	X			X	Comprehensive pesticide/herbicide residue analysis of crops, water, soil; environmental, microbiological and nutritional analysis.
<b>DATA CHEM LABORATORIES, INC.</b> Sorenson Research Park 960 West LeVoy Drive Salt Lake City, UT 84123-2547 800/356-9135	X	X	X	X	X	X	X	X	X				Environmental and hazardous waste testing and IH analysis. EPA Contract Lab, AIHA, CDC accredited. Not a primary contract lab. Mixed with radioactive chemistry capability.
<b>DATA LAB</b> Route 1, Box 129 Colfax, WA 99111 509/827-2422	E	N	E	X	X	X (1) (2)	X		X	X	X	X	Analysis of drinking water (certified of Wash.), waste and irrigation water, plant tissue, and feeds. Accredited by Dept. of Ecology. Agricultural and

Laboratory	Area Served*			Analyses							(FR)	(Cnslt.)	Comments
	(OR)	(ID)	(WA)	Tissue	Soil	Water	Feed	(Pest.)	(HM)				
<b>DELLAVALLE LABORATORY, INC.</b> 1910 W. McKinley, Suite 110 Fresno, CA 93728-1298 209/233-6129	X	X	X	X	X	X (1) (2)	X	X	X	X	X	X	Accredited by California Dept. of Industrial Resources for inorganic drink and waste water analyses. scheduling, soil reclamation mgmt. and related services
<b>FPL, ENVIRONMENTAL FOOD PRODUCTS LAB, INC.</b> 12003 N.E. Airsworth Circle Portland, OR 97220 503/253-9136	X	X	X	X	X	X (1) (2)	X	X	X			X	Pesticides, herbicides, drink HPLC, GC, AA, microbiology
<b>HARVEY LABORATORIES</b> P.O. Box 686 Patterson, CA 95363 209/892-9661 or 209/531-6184	X	X	X	X	X	X (1)						X	Systems analysis program for tissue, water, manure.
<b>KDHS ANALYTICAL SERVICE</b> P.O. Box 249 Bay City, OR 97107 503/377-2250	X	X	X				X						Certified by National Forage Association. Wet chemistry 24 hour turn-around time. sample bags. Veterinary and consulting.
<b>LAUCKS TESTING LABORATORY</b> 940 South Harney Street Seattle, WA 98108 206/767-5060 Fax 767-5063	X	X	X	X	X	X (1) (2)	X	X	X			X	Complete environmental analysis including hazardous waste and sludge. Certifications/accred include Wa. Dept. of Ecology DSHS, USDA, Wa. Dept. of USEPA contract lab program
<b>NEILSON RESEARCH CORP.</b> 245 S. Grape Street Medford, OR 97501-3123 503/770-5678	X	X	X	X	X	X (1) (2)	X	X	X			X	Specialize in complete environmental hazardous waste, and sewer testing. Certified by EPA and Oregon.
<b>NORTHWEST AGRICULTURAL CONSULTANTS</b> 2545 West Falls Kennewick, WA 99336 509/783-7450	X	X	X	X	X	X (1) (2)	X					X	Soil and plant analysis. Fe recommendation. Water and nematode bioassay. Certified D.O.H., WSU soil and plant program.
<b>OREGON STATE UNIVERSITY Central Analytical Laboratory</b> Ag & Life Sciences Bldg., Rm 3079 Corvallis, OR 97331-7306 503/737-2187 Soil samples 503/737-5716 Plant samples	E W			X	X	X (1)						X	Formerly Soil Testing Laboratory Horticulture Plant Analysis Lab Located in new Agriculture and Sciences Building. Plant samples July - Sept. Soil samples accepted throughout the year.
<b>PENINSU-LAB</b> 5795 NE Minder Poulsbo, WA 98370 206/297-3295 or 1-800-635-6866	X	X	X	X	X							X	Comprehensive field/lab nem and disease evaluation. Fe recommendations for small farms landscaping, soil microorganism compost eval. and contract
<b>SOIL &amp; PLANT LABORATORY INC.</b> P.O. Box 1648 Bellevue, WA 98009-1648 206/746-6665 Fax: 562-9531	X	X	X	X	X	X (1)						X	On-site field calls. Manure analysis Lab at P.O. Box 153 (352 M Santa Clara, CA 95052-0153 408/727-0330

Laboratory	Area Served *			Analyses							(FR)	(Cnst.)	Comments
	(OR)	(ID)	(WA)	Tissue	Soil	Water	Feed	(Pest.)	(HM)				
<b>SOILTEST FARM CONSULTANTS, INC.</b> 2925 Wapato Drive Moses Lake, WA 98837 509/765-1622	X	X	X	X	X	X (1)	X		X	X	X	Certified by Nat'l. Alfalfa Hay Test Assoc., Wash. State Univ., WA State of Health and Dept. of Ecology; Mo and Western States soil exchange program, irrigation scheduling, eff and environmental testing, manure and sewage sludge analysis.	
<b>SOUTHERN OREGON ANALYTICAL</b> 22109 Stateline Road P.O. Box R Merrill, OR 97633 503/798-5112	SW	E		X	X		X	X		X		Tissue and soil analysis; nematode sampling and mapping; hay testing irrigation scheduling. Also serve N California. Certified by Nat'l. Forage Testing Assn.. Utah State Univ. Soil Tissue Referee program	
<b>STUKENHOLTZ LABORATORY INC.</b> Addison Avenue East Box 353 Twin Falls, ID 83303-0353 208/734-3050 or 1-800-759-3050 FAX 208/734-3919	X	X	X	X	X	X (1) (2)	X	X	X	X	X	Irrigation scheduling. Manure and sludge analysis. Fertilizer and plant tissue analysis. Research.	
<b>TWISS ANALYTICAL LABORATORY</b> 7865 NE Day Road West Bainbridge Island, WA 98110 206/780-5109	X	X	X	X	X	X (1) (2)			X	X	X	Irrigation water analysis, Tissue analysis. WA DOH drinking water analysis, WA St. Dept. of Ecology accreditation; Bacteriological testing	
<b>UNIVERSITY OF IDAHO Analytical Laboratory</b> Holm Research Center Moscow, ID 83843 208/885-7081	X	X	X	X	X	X (1) (2)	X	X	X			Irrigation and drinking water analysis, tissue analysis, fertilizer analysis, pesticide and herbicide analysis.	
<b>USAg ANALYTICAL SERVICES</b> 1320A E. Spokane Street Pasco, WA 99301 509/547-3838 FAX 509/547-8645	X	N	X	X	X	X (1) (2)	X			X	X	Contract Research. Fertilizer and Irrigation water analysis. Quality Assurance. All Western States. D.O.H. drinking water analysis - only.	
<b>WESTERN LABORATORIES, INC.</b> P.O. Box 1020 Parma, ID 83660 208/722-6564	X	X		X	X	X (1)	X	X	X	X	X	Certified by National Alfalfa Hay Test Association.	
<b>WOOD'S SOIL ANALYSIS LAB</b> Rt. 3, Box 134B Tum-a-Lum Road Milton-Freewater, OR 97862 503/938-7446	E		E		X	X (1)				X		Thirty years in the lab business, working with crops and soils of Eastern Oregon and Washington.	

\* E, W, S or N indicate portion of a state.

(1) indicates testing of irrigation water; (2) indicates testing of drinking water.

A listing of laboratories approved by the Oregon Health Division for drinking water analysis can be obtained by contacting the Oregon Health Division, Drinking Water Systems, P.O. Box 14450, Portland, OR 97214-0450, or call 503/731-4010 or 503/731-4009.

