

Turfgrass Diagnostic Laboratories In the United States and Canada

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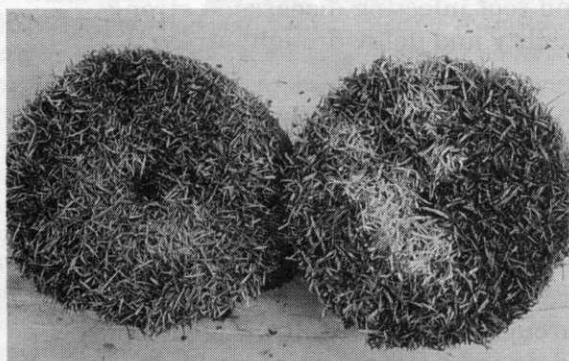
The proper diagnosis of turfgrass diseases is central to any successful disease management program. Accurate diagnosis is important for a number of reasons. First, it helps the turfgrass manager identify some of the conditions that may favor the development of the disease. In a sense, the nature of the diagnostic process helps the turfgrass manager learn about the biology and ecology of the causal agents. Second, many contemporary disease control strategies are quite specific, making them effective against one disease but not others — possibly even making other diseases worse. The mode of action of fungicides in particular can be very narrow, affecting only certain groups of fungal pathogens. Third, the effectiveness of IPM scouting and monitoring protocols designed to reduce overall pesticide usage is dependent on the accurate identification of turfgrass pest problems. This is relatively easily accomplished for weed and insect pests, but remains problematic for diseases.

To help turfgrass managers have suspected disease problems diagnosed accurately, we com-

plied a list of all the state-supported diagnostic laboratories in the United States and Canada that handle turfgrass problems. This list was first published in TurfGrass TRENDS a year ago. We've just finished contacting every lab mentioned to insure what is said about them is accurate. The list is as up to date as it can be. Use it to locate the nearest diagnostic lab providing the kinds of services you suspect you need.

A list of state-supported diagnostic laboratories, current as of October, 1996, is presented below. All handle turfgrass problems. Since some laboratories are better able than others to diagnose a particular problem, it is not uncommon for turfgrass managers to send specimens to diagnostic laboratories in other states or provinces. Refer to the "Laboratory Services" key at the bottom of each listing for guidance.

TGT Note: In talking with the laboratories, we heard one request again and again: "Please! Tell them to send in their specimens with documentation!" We are giving you phone and fax numbers to request the necessary forms and instructions.



Golf course cup cutter plugs make ideal samples for diagnostic laboratories. Both healthy and symptomatic turf should be included.

Key

- A Disease Diagnosis
- B Pest Diagnosis
- C Plant and Weed Identification
- D Insect Identification
- E Nematode Detection
- F Screening for
Turfgrass Endophytes
- G Screening for Resistance of
Fungi to Fungicides
- H Other

United States

Alabama

Plant Diagnostic Laboratory
101 Extension Hall
Department of Plant Pathology
Auburn University
Auburn, AL 36849-5624
Phone: (334) 844-5808
Fax: (334) 844-4072
E-mail: jmullen@acenet.auburn.edu
A, B, C, D, E

Alaska

Department of Plant Pathology
University of Alaska - Fairbanks
Agric. Forestry Experiment Station
Fairbanks, AK 99775-7200
Phone: (907) 474-7431
Fax: (907) 474-7439
E-mail: ffjhm@aurora.alaska.edu
A, B, E

Arizona

Department of Plant Pathology
University of Arizona
Forbes 204
Tucson, AZ 85721
Phone: (520) 621-1828
Fax: (520) 621-9290
A, C, E, G

Arkansas

Plant Disease Clinic
Lonoke Agricultural Center
P.O. Drawer D
Hwy. 70 East
Lonoke, AR 72086
Phone: (501) 676-3124
Fax: (501) 676-7847
E-mail:
fungus@uaexsun.uaex.arknet.edu
A, B, C, D

California

Contact your local County Extension
Service

Colorado

Jefferson County Plant Diagnostic
Clinic
15200 West 6th Avenue
Golden, CO 80401
Phone: (303) 271-6628
Fax: (303) 271-6644
E-mail: jefferso@coop.ext.colostate.edu
A, B, C

Identification & Diagnostic Service

Plant Science Bldg. E-20
Colorado State University
Fort Collins, CO 80523-1174
Phone: (970) 491-6950
Fax: (970) 491-0564
A, B, C, D

Connecticut

The Connecticut Agricultural
Experiment Station
P.O. Box 1106
123 Huntington Street
New Haven, CT 06504
Phone: (203) 789-7235
Fax: (203) 789-7232
E-mail: gbugbee@caes.state.ct.us
A, B, C, D, E, H

Consumer Horticulture Center

1376 Storrs Road, U-67
Storrs, CT 06269-4067
Phone: (860) 486-3437
Fax: (860) 480-0682
E-mail: emarrott@canr1.cag.uconn.edu
A, B, C, D

Delaware

University of Delaware Cooperative
Extension
Plant Diagnostic Lab
154 Townsend Hall
University of Delaware
Newark, DE 19717-1303
Phone: (302) 831-4865
Fax: (302) 831-3651
E-mail: bobmul@udel.edu
A, B, E

Florida

Nematode Assay Laboratory
Bldg. 78 Mowry Road
University of Florida
Gainesville, FL 32611
Phone: (904) 392-1994
Fax: (904) 392-3438
E

Florida Extension Services

Plant Disease Clinic
Bldg. 78 Mowry Road
University of Florida
Gainesville, FL 32611
Phone: (904) 392-1795
Fax: (904) 392-3438
A, G, H

Southwest Florida

Research and Education Center
University of Florida, IFAS
P.O. Drawer 5127
Immokalee, FL 33934
Phone: (941) 657-5221
Fax: (941) 657-5224
A

Plant Diagnostic Clinic

University of Florida, NFREC
Route 3, Box 4370
Quincy, FL 32351
Phone: (904) 875-7140
Fax: (904) 875-7148
E-mail: doc@gnv.ifas.ufl.edu
A, D

University of Florida, IFAS

Southwest Florida
Research & Education Center
18905 SW 280th Street
Homestead, FL 33031-3314
Phone: (305) 246-6340
Fax: (305) 246-7003
E-mail: rtmcm@gnv.ifas.ufl.edu
A, B, C, D, E, G

Georgia

Contact your local County Extension
Service

Hawaii

Agricultural Diagnostic Service Center
College of Tropical Agriculture and
Human Resources
University of Hawaii at Manoa
1910 East-West Road
Sherman Hall 112
Honolulu, HI 96822
Phone: (808) 956-6706
Fax: (808) 956-2592
E-mail: tasvcctr@avax.ctahr.hawaii.edu
A, C, D, E, H

Idaho

University of Idaho
29603 University of Idaho Lane
Plant Pathology Lab
Parma, ID 83660
Phone: (208) 722-6701
Fax: (208) 722-6708
E-mail: kmohan@uidho.edu
A

Illinois

Plant Clinic
1401 West St. Mary's Road
University of Illinois
Urbana, IL 61801
Phone: (217) 333-0519
Fax: (217) 244-1230
A, B, C, E

Indiana

Plant and Pest Diagnostic Laboratory
Purdue University
1155 LSPS
West Lafayette, IN 47907-1155
Phone: (317) 494-7071
Fax: (317) 494-3958
A, B, C, D, E

Iowa

Plant Disease Clinic
Department of Plant Pathology
323 Bessey Hall
Iowa State University
Ames, IA 50011
Phone: (515) 294-0581
Fax: (515) 294-9420
E-mail: x1flynn@iastate.edu
A, E

Kansas

Plant Disease Diagnostic Laboratory
Department of Plant Pathology
Throckmorton Hall
Kansas State University
Manhattan, KS 66506-5502
Phone: (913) 532-5810
Fax: (913) 532-5692
A

Kentucky

Plant Disease Diagnostic Laboratory
Department of Plant Pathology
University of Kentucky
Lexington, KY 40546-0091
Phone: (606) 257-8949
Fax: (606) 323-1961
A, B

Louisiana

Plant Disease Diagnostic Clinic
220 H.D. Wilson Building
Louisiana State University
Baton Rouge, LA 70803
Phone: (504) 388-5724
Fax: (504) 388-2478
E-mail: chollie@lsuvm.sncc.lsu.edu
A, E

Maine

Insect & Plant Disease Diagnostic
Laboratory
University of Maine
Cooperative Extension
491 College Avenue
Orono, ME 04473-1295
Phone: (207) 581-3879, (207) 581-2963
Fax: (207) 581-3881
A, B, D

Maryland

Plant Diagnostic Laboratory
Department of Plant Biology
The University of Maryland
College Park, MD 20742
Phone: (301) 405-1611
Fax: (301) 314-9082
E-mail: ed16@umail.umd.edu
A, B, C

Massachusetts

Department of Plant Pathology
209 Fernald Hall
University of Massachusetts
Amherst, MA 01003-2420
Phone: (413) 545-3413
Fax: (413) 545-2532
E-mail: schumann@pltpath.umass.edu
A
or
Phone: (413) 545-1045
Fax: (413) 545-2532
E-mail: rwick@pltpath.umass.edu
E

Michigan

Plant Diagnostic Clinic
Department of Botany & Plant
Pathology
138 Plant Biology
Michigan State University
East Lansing, MI 48824-1312
Phone: (517) 255-4536
Fax: (517) 353-1761
E-mail: robertsd@pilot.msu.edu
A, B, C, D, E, H

Minnesota

Plant Disease Clinic
495 Borlang Hall
University of Minnesota
1991 Upper Buford Circle
St. Paul, MN 55108
Phone: (612) 625-1275
Fax: (612) 625-9728
E-mail: sandyg@puccini.crl.umn.edu
A, E

Mississippi

Plant Pathology Laboratory
Box 9655
Mississippi Cooperative Extension
Service
9 Bost Extension Center
Mississippi State, MS 39762-9655
Phone: (601) 325-2146
Fax: (601) 325-8407
E-mail: pplab@mces.msstate.edu
A, E, F

Missouri

Extension Plant Disease Clinic
University of Missouri
Room 45 Agriculture Building
Columbia, MO 65211
Phone: (573) 882-3019
Fax: (573) 884-5405
E-mail: corwinb@ext.missouri.edu
A, B, C, D, E, H

Montana

Contact your local County Extension
Service

Nebraska

Plant and Pest Diagnostic Clinic
448 Plant Sciences
University of Nebraska
Lincoln, NE 68583-0722
Phone: (402) 472-2559
Fax: (402) 472-2853
A, B, C, D, E

Nevada

Center for Urban Water Conservation
Department of Biological Sciences
University of Nevada - Las Vegas
Las Vegas, NV 89154
Phone: (702) 895-4699
Fax: (702) 895-3956
E-mail: dev50@aurora.nsvce.edu
H

Nevada Division of Agriculture
350 Capitol Hill Avenue
Reno, NV 89502
Phone: (702) 688-1180
Fax: (702) 688-1178
E-mail: jeff@intercomm.com
A, B, C, D, E

New Hampshire

UNH Plant Diagnostic Lab
241 Spaulding Hall
University of New Hampshire
Durham, NH 03824
Phone: (603) 862-3200
Fax: (603) 862-4757
E-mail: cheryl.smith@unh.edu
A, D

New Jersey

Rutgers Plant Diagnostic Laboratory
and Nematode Detection Service
P.O. Box 550
Milltown, NJ 08850-0550
Phone: (908) 932-9140
Fax: (908) 932-1270
E-mail: clinic@aesop.rutgers.edu
A, B, C, D, E, F, G

New Mexico

Cooperative Extension Service
New Mexico State University
Box 3AE
Las Cruces, NM 88003
Phone: (505) 646-1621
Fax: (505) 646-8085
E-mail: ngoldber@nmsu.edu
A, B, C, D

New York

Plant Disease Diagnostic Laboratory
Department of Plant Pathology
334 Plant Science Building
Cornell University
Ithaca, NY 14853
Phone: (607) 255-7850
Fax: (607) 255-04471
E-mail: dmk8@cornell.edu
A, B, C, D, E

Insect Diagnostic Laboratory
Department of Entomology
4140 Comstock Hall
Cornell University
Ithaca, NY 14853
Phone: (607) 255-3144
Fax: (607) 255-0939
E-mail: cklass@cce.cornell.edu
B, D

Monroe County Cooperative
Extension
Diagnostic Laboratory
249 Highland Avenue
Rochester, NY 14620
Phone: (716) 461-1000
Fax: (716) 442-7577
A, B, C, D

North Carolina

Plant Disease and Insect Clinic
North Carolina State University
Box 7211
Raleigh, NC 27695-7211
Phone: (919) 515-3619
Fax: (919) 515-3670
A, B, C, D, E

North Dakota

NDSU Plant Pest Diagnostic Lab
Box 5012
North Dakota State University
Fargo, ND 58105
Phone: (701) 231-7851
Fax: (701) 231-7851
E-mail: diaglab@ndsuxext.nodak.edu
A, B, C, D

Ohio

Plant & Peat Diagnostic Clinic
110 Kottman Hall
2021 Coffey Road
The Ohio State University
Columbus, OH 43210
Phone: (614) 292-5006
Fax: (614) 292-7162
E-mail: ppdc@agvax2.ag.ohio-state.edu
A, B, C, D, E

Oklahoma

Plant Disease Diagnostic Laboratory
Oklahoma State University
Plant Pathology Department
110 NRC
Stillwater, OK 74078-3032
Phone: (405) 744-9961
Fax: (405) 744-7373
E-mail: hudson@vm1.ucc.okstate.edu
A, E

Oregon

Plant Disease Clinic
Extension Plant Pathology
Cordley Hall 1089
Oregon State University
Corvallis, OR 97331-2903
Phone: (503) 737-3472
Fax: (503) 737-2412
A, B

Pennsylvania

Plant Disease Clinic
Pennsylvania State University
220 Buckhout Laboratory
University Park, PA 16802
Phone: (814) 865-2204
Fax: (814) 863-7217
E-mail: jdp3@psu.edu
A, E

Rhode Island

Plant Pathology Department
234 Woodward Hall
University of Rhode Island
Kingston, RI 02881
Phone: (401) 792-2932
Fax: (401) 792-4017
A, B, C, D, E, F, G

South Carolina

Clemson University Plant Problem
Clinic
Cherry Road
Clemson University
Clemson, SC 29634-0395
Phone: (803) 656-3125
Fax: (803) 656-2069
A, B, C, D, E

South Dakota

Contact your local County Extension
Service

Tennessee

Plant and Pest Diagnostic Center
University of Tennessee
5201 Marchant Drive
Nashville, TN 37211-5112
Phone: (615) 832-6802
Fax: (615) 832-0043
E-mail:
102021.1065@compuserve.com
A, D, E

Texas

Texas Plant Disease Diagnostic Lab
Texas A&M University
Room 101 Peterson
College Station, TX 77843-2132
Phone: (409) 845-8033
Fax: (409) 845-6499
E-mail: barnes@ppserver.tamu.edu
A, E, F

Utah

Contact your local County Extension
Service

Vermont

Plant Diagnostic Laboratory
Hills Building
Plant & Soil Science
University of Vermont
Burlington, VT 05405
Phone: (802) 656-0493
Fax: (802) 656-4656
E-mail: ahazelri@moose.uvm.edu
A, B, C, D

Virginia

Plant Disease Clinic
106 Price Hall
Virginia Polytechnic Institute & State
University
Blacksburg, VA 24061
Phone: (540) 231-6758
Fax: (540) 231-3221
A, E

Washington

WSU Puyallup Plant Diagnostic
Laboratory
7612 Pioneer Way East
Puyallup, WA 98371-4998
Phone: (206) 840-4582
Fax: (206) 840-4669
E-mail: clinic@wsu.edu
A, B, D

Canada

Alberta

Brooks Diagnostic, Ltd.
P.O. Box 1701
Brooks, Alberta, T1R 1C5
Phone: (403) 362-5555
Fax: (403) 362-5556
A, B, C, D, E

Regional Crop Laboratory
Alberta Agriculture
Provincial Building
Box 159
Fairview, Alberta, T0H 1L0
Phone: (403) 835-2291
Fax: (403) 835-3600
A, B, D

British Columbia

Plant Diagnostic Laboratory
B.C. Ministry of Agriculture, Fisheries
& Food
Abbotsford Agriculture Center
1767 Angus Campbell Road
Abbotsford, BC V3G 2M3
Phone: (604) 556-3127
Fax: (604) 556-3030
A, B, C, D, E

Manitoba

Crop Diagnostic Centre
545 University Crescent
Room 201
Winnipeg, Manitoba, R3T 5S6
Phone: (204) 945-7706
Fax: (204) 945-4327
A, B, C, D

West Virginia

Pest Identification Laboratory
414 Brooks Hall
West Virginia University
Morgantown, WV 26506
Phone: (304) 293-3911
Fax: (304) 293-2872
E-mail: ranecki@wvnmvs.wvnet.edu
A, B, D, E

Wisconsin

Plant Pathogen Detection Clinic
Department of Plant Pathology
1630 Linden Drive
University of Wisconsin
Madison, WI 53706
Phone: (608) 262-2863
Fax: (608) 263-2626
E-mail: mfh@plantpath.wisc.edu
A

New Brunswick

New Brunswick Department of
Agriculture &
Rural Development
Plant Industry Branch
P.O. Box 6000
Fredericton, New Brunswick, E3B
5H1
Phone: (506) 453-2108
Fax: (506) 453-7978
A, B, C, D, F

Nova Scotia

Plant Pathology Laboratory
Nova Scotia Department of
Agriculture & Marketing
Plant Industry Branch
Kentville Agricultural Center
Kentville, Nova Scotia, B4N 1J5
Phone: (902) 679-6040
Fax: (902) 679-6062
E-mail: rdecbridge@kent.nsac.ns.ca
A

Ontario

Pest Diagnostic Clinic
Agriculture and Food Laboratory
Services Centre
Box 3650
95 Stone Road West, Lane 2
Guelph, ON N1H-8J7
Phone: (519) 767-6256
Fax: (519) 767-6240
E-mail: dykstrma@epo.gov.on.ca
A, B, C, D, E

Turfgrass Disease Diagnostic Lab
O.J. Noer Turfgrass Research &
Education Facility
3101 Highway M
Verona, WI 53593-9537
Phone: (608) 845-2535
Fax: (608) 845-8162
E-mail: gzg@plantpath.wisc.edu
A, B, C, D, E

Wyoming

Plant Disease Clinic
Department of Plant, Soil and Insect
Sciences
University of Wyoming
P.O. Box 3354
Laramie, WY 82071-3354
Phone: (307) 766-5083
Fax: (307) 766-5549
E-mail: colette@uwyo.edu
A, B, C, E

Prince Edwards Island

PEI Department of Agriculture
Soil & Feed Testing Laboratory
P.O. Box 1600
Charlottetown, PEI C1A 7N3
Phone: (902) 368-5628
Fax: (902) 368-6299
H

Quebec

Laboratoire de Diagnostic en
Phytoprotection
Complexe Scientifique
2700 Rue Einstein D.I. 200H
Sainte-Foy, QU G1P 3W8
Phone: (418) 643-4925
Fax: (418) 646-6806
A, B, C, D, E, G

Note

The first place to contact in search of a diagnosis is the nearest extension service office, even if your problem will be handled eventually by the laboratory. For more background information on disease diagnosis, and detailed instructions on how to use laboratories most effectively, you can refer to the July 1995 issue of *TurfGrass TRENDS*, where the subject was addressed in depth. If you are a recent subscriber and don't have this issue on file, send your pre-paid order (\$15) to: *TurfGrass TRENDS*, 1775 T Street NW, Washington, DC 20009-7124