University Contacts / GreenBook 2000

Dr. Charles Overstreet, Louisiana Cooperative Extension Service, Plant Science Division, 2186 P.O. Box 25100, Baton Rouge, LA, 70894-5100; 225/388-2186; fax: 225/388-2478; email: coverstreet@agctr.lsu.edu www.lsu.edu

Maryland
Dr. Mark Carroll, University of Maryland, Natural Resource Sciences & Landscape Architecture, Room 1114 H. J. Patterson Hall, College Park, MD, 20742; 301/405-1339; fax: 301/314-904; email: mx92@umd.edu
Dr. Peter H. Dernoeden, University of Maryland, Natural Resource Sciences & Landscape Architecture, H. J. Patterson Hall, Room 1112, College Park, MD, 20742; 301/405-1337; fax: 301/314-904; email: pd9@umd.edu
Dr. Charles Overstreet, Louisiana Cooperative Extension, Room 1114 H. J. Patterson Hall, College Park, MD, 225/388-2186; fax: 225/388-2478; email: coverstreet@agctr.lsu.edu www.lsu.edu

Minnesota
Phil Baird, University of Minnesota at Crookston, Crookston, MN, 56716; 218/281-8130
Brad Pederson, University of Minnesota at Waseca, Landscape, Nursery and Turfgrass Technology, 1000 University Drive, SW, Waseca, MN, 56093
Richard Robinson, Anoka Technical College, Horticulture Dept., 1355 West Highway 10, Anoka, MN, 55303; 612/576-4700
Jon Powell, University of Minnesota, Dept. of Plant Pathology, 495 Borlaug Hall, St. Paul, MN, 55108-6030; 612/625-5290; fax: 612/625-9728; email: jpowell@pucinni.umn.edu
Dr. Donald B. White, University of Minnesota, Dept. of Horticultural Science, 1970 Wolflin Ave., St. Paul, MN, 55108; 612/624-9206; fax: 612/624-494; email: white007@maroon.tc.umn.edu www.umn.edu

Mississippi
Dr. G. Euel Coats, Mississippi State University, Weed Science, Box 9555, Mississippi State, MS, 39792-9648; 662/325-0560; fax: 662/325-065; email: ecoats@weedscience.msstate.edu
Dr. Michael Goatley Jr., Mississippi State Univ., Dept. of Agronomy, Box 9555, Mississippi State, MS, 39762-8742; 662/325-2111; fax: 662/325-8742; email: mgogatley@dorman.msstate.edu
Dr. Jeffrey Krans, Mississippi State University, Dept. of Agronomy, Box 9555, Mississippi State, MS, 39762-9649; 662/325-2311; fax: 662/325-8742; email: jkrans@pss.msstate.edu www.msstate.edu

Missouri
Dr. Patricia Donald, University of Missouri, Dept. of Plant Pathology, 1-87 Agriculture Bldg., Columbia, MO, 65211; 573/882-2716; fax: 573/882-1469; email: donaldp@missouri.edu
Dr. John Dunn, University of Missouri, Dept. of Horticulture, 187 Agriculture Bldg., Columbia, MO, 65211; 573/882-9622; fax: 573/882-1469; email: junnj@missouri.edu
Erik Ervin, University Of Missouri, 1-87 Agriculture Bldg., Columbia, MO, 65211; 573/884-2266; fax: 573/882-1469; email: ervine@missouri.edu
Paul R. Roberts, St. Louis Community College at Meramec, Horticulture Dept., 1133 Big Bend Blvd., St. Louis, MO, 63122; 314/984-7714; fax: 314/984-7112; email: proberts@mccmail.stlcc.cc.mo.us

Montana
Steven Kelley, Montana State University, Dept. of Plant Sciences, 314 Leon Johnson Hall, Bozeman, MT, 59717-3140; 406/994-7776; fax: 406/994-1848; email: skelley@montana.edu
Dr. R.E. Gough, Montana State University, Dept. of Plant Sciences, 313 Leon Johnson Hall, Bozeman, MT, 59717-0312; 406/994-6523; fax: 406/994-3933; email: rgough@montana.edu

Nebraska
Dr. Fred Baxendale, University of Nebraska, Dept. of Entomology, Lincoln, NE, 68583; 402/472-2123; fax: 402/472-4687; email: fbaxendale@unl.unl.edu
Dr. Roch Gaussoin, University of Nebraska, Dept. of Horticulture, 377 Plant Sciences Bldg., Lincoln, NE, 68583-0724; 402/472-9619; fax: 402/472-8650; email: ragaussoin@unlinfo.unl.edu
Dr. Tellance P. Riordan, University of Nebraska-Lincoln, 377 Plant Science, Lincoln, NE, 68533-0724; 402/472-1142; fax: 402/472-1142
Dr. Robert Shearman, University of Nebraska-Lincoln, 377 Plant Science, Lincoln, NE, 68533-0724; 402/472-0022; fax: 402/472-8650; email: nshearman@unlinfo.unl.edu

New Hampshire
Dr. J.M. Roberts, University of New Hampshire, Dept. of Plant Biology, Stauding Hall, Room 115, Durham, NH, 03824; 603/862-3202; fax: 603/862-2717; email: john.roberts@unh.edu www.unh.edu

New Jersey
Dr. Bruce Clark, Rutgers University, Cook College, Box 231 Foran Hall, New Brunswick, NJ, 08903; 732/932-9400; fax: 732/932-9377
Dr. C. Reed Funk, Rutgers University, Plant Science Dept., Foran Hall, New Brunswick, NJ, 08903; 732/932-9480; fax: 732/932-9441

New York
Dr. Jennifer Johnson-Cicalese, Rutgers University, Plant Science Dept., Foran Hall, New Brunswick, NJ, 08903; 732/932-9441

New York
Dr. William Meyer, Rutgers University, Plant Science Dept., Foran Hall, New Brunswick, NJ, 08903; 732/932-0091; fax: 732/932-9441
Dr. James A Murphy, Rutgers University, Cook College, P.O. Box 231, New Brunswick, NJ,
South Carolina

Mr. James H. Blake, Clemson University, Dept. of Plant Pathology & Physiology, Clemson, SC, 29634-0377; 803/656-3125; email: jBlake@clust1.clemson.edu

Dr. J.J. Camberato, University of South Carolina, PeeDee Research & Extension Center, Route 1, Box 531, Florence, SC, 29501-9603; 803/669-1912, ext. 226; fax: 803/661-5676

Dr. Clyde S. Gorsuch, Clemson University, Dept. of Entomology, Clemson, SC, 29634-0377; PeeDee Research & Extension Center, Route 1, Dr. J J. Camberato, University of South Carolina, Florence, SC, 29634; 803/656-2607; fax: 803/656-4960

Dr. Bert McCarty, Clemson University, Dept. of Horticulture, 168 P& A Science Bldg., Clemson, SC, 29634-0375; 864/656-0120; fax: 864/656-4960; email: bmccrty@clemson.edu

South Dakota

Dr. Martin Maca, South Dakota State University, Horticulture, Forestry Landscape & Parks Dept., Room NPB, 210 Box 2140, Brookings, SD, 57007; 605/688-5136; email: martin-maca@sdsstate.edu www.sdsk.edu

Tennessee

Dr. Lloyd M. Callahan, University of Tennessee, Ornamental Horticulture & Landscape Design, Plant Science Bldg. 259, Knoxville, TN, 37996; 423/974-7324; fax: 423/974-2765

Dr. Tom Samples, University of Tennessee, Dept. of Ornamental Horticultural & Landscape, 12 McCord Hall, Knoxville, TN, 37996; 423/974-1840; fax: 423/974-6421

Texas

Dr. Phil Colbaugh, Texas A&M Research & Extension Center, 17360 Coit Road, Dallas, TX, 75252; 972/231-5362; fax: 972/952-9299; email: p-colbaugh@tamu.edu

Dr. Robert Crocker, Texas A&M Research & Extension Center, 17360 Coit Road, Dallas, TX, 75252; 972/231-5362; fax: 972/952-9291; email: r-crocker@tamu.edu

Sam Fare, Western Texas College, Golf & Landscape Technology, 6200 South College Ave., Snyder, TX, 79549; 915/573-8511; fax: 915/573-9321; email: swfare@yahoo.com

Dr. Milt Engelke, Texas A&M Research & Extension Center, 17360 Coit Road, Dallas, TX, 75252; 972/231-5362; fax: 972/952-9299; email: m-engelke@tamu.edu

Dr. James McAfee, Texas A&M Research & Extension Center, 17360 Coit Road, Dallas, TX, 75252; 972/231-5362; fax: 972/952-9299

Dr. Mike Merchant, Texas A&M Research & Extension Center, 17360 Coit Road, Dallas, TX, 75252; 972/231-5362; fax: 972/952-9299

Dr. James Reed, Texas A & M Research & Extension Center, 17360 Coit Road, Dallas, TX, 75252; 972/231-5362; fax: 972/952-9299

Dr. James Reinert, Texas A & M Research & Extension Center, 17360 Coit Road, Dallas, TX, 75252; 972/231-5362; fax: 972/952-9299

tension Center, 17360 Coit Road, Dallas, TX 75252; 972/231-5362; fax: 972/952-9299

Terry Erhardt, Texas State Technical College, Horticulture & Landscape Management, 3801 Campus Drive, Waco, TX, 76705; 254/867-4867; fax: 254/867-2658; email: tehrrhardt@tstc.edu

Dr. R.H. White, Texas A & M University, Soil & Crop Science Dept., College Station, TX, 77843-2474; 409/845-1550; fax: 409/845-0456; email: r-white@ramu.edu www.tamu.edu

Utah

Dr. Phil S. Allen, Brigham Young University, Dept. of Agronomy & Horticulture, 271 WIDB, Provo, Utah, 84602; 801/378-2421; fax: 801/378-7499; email: phil.allen@byu.edu www.byu.edu

Vermont

Dr. Sid Bosworth, University of Vermont, Plant Science & Soil Dept., Burlington, VT, 05405; 802/656-0478; fax: 802/656-4656; email: sid.bosworth@uvm.edu.

Dr. Leonard Perry, University of Vermont, Plant Science & Soil Dept., Burlington, VT, 05405; 802/656-0479; fax: 802/656-4656; email: leonard.perry@uvm.edu

Dr. Mark Starrett, University of Vermont, Plant Science & Soil Dept., Burlington, VT, 05405; 802/656-0467; fax: 802/656-4656; email: mark.starrett@uvm.edu

Virginia

Dr. D.R. Chalmers, Virginia Tech, CSES Dept., Blacksburg, VA, 24061; 540/231-9738; fax: 540/231-3075; email: chalmers@vt.edu

Dr. Houston Couch, Virginia Tech, Plant Pathology, Smyth Hall, Blacksburg, VA, 24061; 540/231-6266; fax: 540/231-3221; email: hcouch@vt.edu

Dr. John Hall, Virginia Tech, Dept. of CSES, Blacksburg, VA, 24061-0403; 504/231-9738; fax: 504/231-3431; email: jrhall@vt.edu

Dr. Dick Schmidt, Virginia Tech, Dept. of Agronomy, Crop & Soil Environmental Science, Blacksburg, VA, 24061; 540/231-9796; fax: 540/231-3431; email: rschmidt@vt.edu

Dr. John F. Shoulders, Virginia Tech., 509 Monte Vista Drive, Blacksburg, VA, 24060; 703/552-4518 www.vt.edu

Washington

Dr. Eric Miltnner, Washington State University, Puyallup Research & Extension Center, 7612 Pioneer Way, East, Puyallup, WA, 98371-4998; 253/445-4594; fax: 253/445-4539

Dr. William J. Johnston, Washington State University, Dept. of Crop & Soil Science, Pullman, WA, 99164-6420; 509/335-3620; fax: 509/335-8674; email: wjohnston@wsu.edu

Dr. Gwen Stahnke, Washington State University, Puyallup Research & Extension Center, 7612 Pioneer Way, East, Puyallup, WA, 98371-4998; 253/840-4513; fax: 253/840-4669 www.wsu.edu

Wisconsin

R. Chris Williamson, University of Wisconsin, Dept. of Entomology, 1630 Linden Drive, Madison, WI, 53706; 608/262-4608; fax 608/262-3322; email: rcwillie@entomology.wisc.edu

Dr. Wayne Kussow, University of Wisconsin, Dept. of Soil Science, 1525 Observatory Drive, Madison, WI, 53706; 608/263-3631; email: wkussow@facstaff.wisc.edu

Gehnwha Jung, University of Wisconsin, Dept. of Plant Pathology, 1630 Linden Drive, Madison, WI, 53706; 608/262-9795, fax: 608/262-2626

Canada

ALBERTA

Boggan, Southern Alberta Institute of Technology, Physical & Leisure Education Dept., 1301-16 Avenue NW, Calgary, Alberta, Canada T2M 0L4

OTTARIO

J. L. Eggen, Univ. of Guelph, Dept. of Horticulture Science, Guelph, Ontario, Canada N1G 2W1

Queens, Kemptville College of Agriculture Technology, Kemptville, Ontario, Canada K0G 1J0

Bettie Lynne Smith, Niagara Parks Commission School of Horticulture, P.O. Box 150, Niagara Falls, Ontario, Canada L2E 6T2

Gordon Wells, Algonquin College, Horticulture Dept., 140 Main St., Ottawa, Ontario, Canada K1S 1C2

Saskatchewan

E.A. Maginness, Univ. of Saskatchewan, Horticulture Science, Saskatoon, Saskatchewan, Canada S7N 0W0

GreenBook 2000
THE LARGEST SELECTION OF MICRO-INJECTION PRODUCTS AVAILABLE!

INSECTICIDES:
- IMICIDE
- ABACIDE
- INJECT-A-CIDE
- INJECT-A-CIDE B

FUNGICIDES:
- FUNGISOL
- CARBOJECT
- TEBUJECT

ANTIBIOTICS:
- MYCOJECT

FERTILIZERS:
- STEMIX
- STEMIX HI-VOL
- STEMIX ZINC
- STEMIX IRON/ZINC

INJECT-A-MIN IRON/ZINC
INJECT-A-MIN MANGANESE

COMBINATION PRODUCTS:
- IMISOL (FUNGISOL + IMICIDE)
- ABASOL (FUNGISOL + ABACIDE)

Mauget
800-TREE Rx
877-TREE HLP
(New toll-free technical support line)

(800-873-3779)  (877-873-3457)
www.mauget.com

Circle No. 138 on Reader Inquiry Card
We've found these web sites below have useful information for professional landscape managers, and many have extensive links to other great sites. Please share your favorites by sending an email to: sgibson@advanstar.com. We can include it in upcoming Landscape Management issues.

**Our Site**

www.landscapegroup.com - Landscape Management, Turfgrass Trends, Golfdom, Athletic Turf magazines

**Turf**

www.msu.edu/user/karcherd/turflinks/ - This "ultimate" turf site has hundreds of links.

www.turf.uiuc.edu/turfspecies - Turf types, management and selection.

www.umass.edu/umext/programs/agro/turfgrass/ - Turf problems and pests.

www.natorp.com/tipSheets/LawnCare - Master gardener advises on turfgrasses.


www.aces.edu/department/ipm/turfipm.htm - Turf and landscape IPM plus links.


www.whitneyfarm.com/garden/geninfo/lawn-tip2_main.html - Much information on organic turf care and other aspects of landscape management.

www.pan.ci.seattle.wa.us/seattle/util/rescons/n_resgud.htm - Natural Lawn Care Resource Guide carries referrals regarding the Northwestern U.S.

www.turf-tec.com/index.html - Diagnostic golf/home/athletic turfgrass tools and online turf consulting service, plus links.

www.wisc.edu/phlealthser/tddl/tddl.htm - The Turfgrass Disease Diagnostic Laboratory at the University of Wisconsin.

www.vccty.net/cybergarden/eatem.htm - If you can't beat 'em, eat 'em—benefits and recipes for weeds.

www.sgt.nsw.gov.au - From Australia, but with numerous worldwide links covering all things horticultural.

www.ampacseed.com - Great seed links covering turfgrass, weeds, etc.

www.lib.msu.edu/tgif - From Michigan State University, it's the Turfgrass Information Center containing much information and links to other sites.

**Pests and Disease**

www.msu.edu/user/karcherd/turflinks/ - This "ultimate" turf site has hundreds of links.

www.msu.edu/user/karcherd/turflinks/ - This "ultimate" turf site has hundreds of links.

www.turf.uiuc.edu/turfspecies - Turf types, management and selection.

www.umass.edu/umext/programs/agro/turfgrass/ - Turf problems and pests.

www.natorp.com/tipSheets/LawnCare - Master gardener advises on turfgrasses.


www.aces.edu/department/ipm/turfipm.htm - Turf and landscape IPM plus links.


www.whitneyfarm.com/garden/geninfo/lawn-tip2_main.html - Much information on organic turf care and other aspects of landscape management.

www.pan.ci.seattle.wa.us/seattle/util/rescons/n_resgud.htm - Natural Lawn Care Resource Guide carries referrals regarding the Northwestern U.S.

www.turf-tec.com/index.html - Diagnostic golf/home/athletic turfgrass tools and online turf consulting service, plus links.

www.wisc.edu/phlealthser/tddl/tddl.htm - The Turfgrass Disease Diagnostic Laboratory at the University of Wisconsin.

www.vccty.net/cybergarden/eatem.htm - If you can't beat 'em, eat 'em—benefits and recipes for weeds.

www.sgt.nsw.gov.au - From Australia, but with numerous worldwide links covering all things horticultural.

www.ampacseed.com - Great seed links covering turfgrass, weeds, etc.

www.lib.msu.edu/tgif - From Michigan State University, it's the Turfgrass Information Center containing much information and links to other sites.

www.bahiagrass.com - All about bahiagrass linking to other southern grass sites.


www.horizonco.com - Turfgrass guide in Spanish, French, German, as well as other languages.

www.rapidturf.com - Grass grown via a plastic medium.

http://ext.agni.tamu.edu/wysa - The Weed Science Society of America has a virtual compendium of information about weeds and weed control.


www.ohkappa.org/ - From Ohio State University Turfgrass Program's professional links.


**Soils**

www.soil.ncsu.edu/ - North Carolina State's detailed site.

www.agrsci.usu.edu/soilscience/soils延伸/ - Utah University Information on issues relating to soils.


www.ag.ohio-state.edu/~ohioline/hyg/ - Plant health information on issues relating to soils.

**Trees**


www.naturalpath.com - Urban forestry services, software, consulting, GIS mapping.

www.treeclimbing.com - "Everything in the world about tree climbing," Great graphics.

www.treecare.com - Specialized site.


www.naturalapp.com - "A garden upkeep" site with numerous links to key sites.

www.pdflinks.org - List of each state's certification organization regarding organic plant management strategies and resources.

www.pestweb.com - Insects and other organisms.
Horticulture

www.pestfacts.org - RISE's (Responsible Industry for a Sound Environment) site concentrates on benefits of pesticide use.


gardenweb.com/vfl - Wow! Extraordinary site with astounding number of key links — "The Internet's Gardening Community."


cabarrus.ces.state.nc.us/staff/dogforth/mdgdwor.html - Information and selection guide for woody ornamentals.

www.realpittsburgh.com/living/1999/03/04/prune.html - Pruning ornamentals.


www.cltoronto.edu/1080/clr.html - Center For Landscape Research.

www.ces.ncsu.edu/hil/landscape-index.html - Topics include landscape design, installation and maintenance.


www.geocities.com/athens/4134 - "The Horticultural Guy" answers frequently asked questions about plants and their care.

www.hcs.ohio-state.edu/webgarden.html - Extensive site.

garden.cas.psu.edu - Penn State Horticultural Dept.; testing flower varieties.

hort.unl.edu - From the University of Nebraska.

134 58.73.250/ishs/ishshome.htm - International Society for Horticultural Science.

www.hostas.com - You have to like this site dedicated to hosts and ornamental grasses.

www.s6.garden.com - Extensive site matches plant materials with environmental conditions; also contains garden design software.


www.growzone.com - "The Online Professional Horticultural Resource."


www.wildflower.org - From the National Wildflower Research Center.

garden.org - From the National Gardening Association.

Water

www.arborman.com - Detailed site and links on pond care and construction, with fish index and other aspects of landscape management.

www.waterwisetexas.org - Water conservation tips.


reality.sgi.com/Peteo/Peteo.html - Pete's Pond Page; how to plan and build a pond.


www.urwin.siu.edu - Universities Water Information Network.


www.tpl.net/users/lakes - Management tips for ponds and lakes.

www.iorr.org - Search engine developed by the Irrigation Association.

www.waterright.org - Irrigation scheduling programs.

Snow

www.pialaska.net/kodiak1 - Snow plows made in the Land of the Midnight Sun.

www.meyerproducts.com - Snow removal equipment site.

www.westernplows.com - Snow removal equipment site.

www.fisherplows.com - Snow removal equipment site.

www.articsnowplows.com - Snow removal equipment site.

Equipment/Suppliers

members.aol.com/asmith669/autolinks.html - Chuck's links point to all types of industry and related equipment.


www.mathesquarry.com/products - Excellent guide to stone products ranging from sand to boulders.
When someone suggests you spend more money on a less effective preemergent, it's time to hold on to your wallet.
Field trials confirm that PENDULUM® consistently gives you more dependable, broad-spectrum weed control than any other preemergent herbicide.

So, even when compared to premium-priced products, PENDULUM controls more weeds. You can take that to the bank.

For the PENDULUM herbicide distributor nearest you, call 1-800-545-9525, ext. T2611.

Or visit our website at www.turffacts.com.
### WARM-SEASON INSECT PESTS

<table>
<thead>
<tr>
<th>INSECT</th>
<th>WHERE TO FIND THEM</th>
<th>DAMAGE SYMPTOMS</th>
<th>CONTROL PRACTICES</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Cutworms/Armyworms</strong></td>
<td>Warm-season grasses</td>
<td>Turf clipped at soil level; large bare areas</td>
<td>1. treat late in day. 2. do not mow or remove clippings for 1-3 days; 3. may be present from early spring to late fall</td>
</tr>
<tr>
<td><strong>Fire ants</strong></td>
<td>Warm-season grasses</td>
<td>Unsightly mounds that may damage mowers, painful stings a problem in high-traffic areas</td>
<td>1. control in spring and fall when workers forage for food; 2. labor-intensive mound treatments are most effective; 3. use continuous control once you start; 4. do not disturb mounds in treatment; 5. use baits before using contact insecticides (they return baits to mound)</td>
</tr>
<tr>
<td><strong>Mole crickets</strong></td>
<td>Bahiagrass, close-cut turf</td>
<td>Tunneling, dieback, thin spots</td>
<td>1. treat in June/July when eggs hatch; 2. follow-up treatments usually needed; 3. Watch adults in March/April to pinpoint egg hatch areas</td>
</tr>
<tr>
<td><strong>Ground pearls</strong></td>
<td>Bermudagrass, centipedegrass</td>
<td>Yellowing, turf dieback, no new regrowth the following season</td>
<td>1. no known effective controls; 2. manage for turf tolerance; 3. irrigate during dry weather</td>
</tr>
<tr>
<td><strong>Southern chinch bugs</strong></td>
<td>All warm-season grasses, especially St. Augustinegrass</td>
<td>Yellowed turf, turning reddish brown</td>
<td>1. avoid overfertilizing; 2. manage thatch; 3. irrigate in dry spells; 4. apply pesticides with plenty of water; 5. multiple treatments often needed</td>
</tr>
<tr>
<td><strong>Twolined spittlebugs</strong></td>
<td>Warm-season grasses</td>
<td>Yellowed turf, unsightly &quot;spittle masses&quot;</td>
<td>1. control adults on ornamentals like hollies; 2. treat on cloudy days when bugs are higher up on turf; 3. start monitoring in early summer</td>
</tr>
<tr>
<td><strong>White grubs</strong></td>
<td>Warm-season grasses</td>
<td>Drought stress and turf dieback, may attract hungry moles or skunks</td>
<td>1. treatments most effective late Aug./early Sept.; 2. grubs like low-cut, high maintenance turf; 3. avoid ornamentals attractive to adult Japanese beetles or green June beetles</td>
</tr>
<tr>
<td><strong>Bermudagrass mites</strong></td>
<td>Bermudagrass</td>
<td>Yellowing of leaf tips, then shortened internodes for tufted growth, death</td>
<td>1. irrigate during dry spells; 2. proper fertilization helps turf outgrow damage; 3. use resistant cultivars; 4. multiple treatments often needed</td>
</tr>
<tr>
<td><strong>Bees &amp; wasps</strong></td>
<td>All turf types</td>
<td>Holes, mounds, tunneling in turf, visible flying insects</td>
<td>1. maintain healthy, lush turf; 2. mulch under shrubs and trees and keep it fresh to discourage nesting</td>
</tr>
</tbody>
</table>