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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/turfinks/ - 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 - Advice on lawns and renovations.

www.mes.umn.edu/Documents/B/G/BG528.html - Repairing flooded lawns, from the University of Minnesota Extension Service.

leviathan.tamu.edu:70/1s/mg/turfgrass - Master gardener advises on turfgrasses.

www.roundup.com/easy_steps/lawns.html - Lawn renovation guide featuring use of nonselective herbicide.

www.lowes.com/lowes/howto/library/lawn-gard/tips/lush.asp - Establishing and maintaining turf in the South.

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

www.nysaes.cornell.edu/ent/biocontrol/ - Guide to biological controls.

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/plhealthser/tddl/tddl.htm - The Turfgrass Disease Diagnostic Laboratory at the University of Wisconsin.

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

www.scgt.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.lawnseed.com - The webmaster calls himself "The Sodfather," with tips on selecting and blending grass seed.

aggie-horticulture.tamu.edu/ - Guide to turfgrass species, plus a search engine.

turf.wsu.edu - Superb collection of links to many turfgrass-oriented websites—very complete guide.

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

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

<http://ext.agn.uiuc.edu/wssa> - The Weed Science Society of America has a virtual compendium of information about weeds and weed control.

<http://www.floridaturf.com> - A huge library of information on warm-season turfgrasses.

edis.ifas.ufl.edu - The Florida Agricultural Information Retrieval System for warm-season grasses.

<http://www.turf.uiuc.edu> - The University of Illinois Turfgrass Program's professional links.

www.texasturf.com - Texas Turfgrass Association.

Soils

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

rbt.agsci.usu.edu/soil.science/soils.extension/ - Utah State University information on issues relating to soils.

soils.uwyo.edu-brewer/solfert.shtml - Review/summary of soil and fertility sites posted by Land Grant universities.

www.ext.vt.edu/pubs/envirohort/426-313/426-313.html - Soil preparation and other tips.

www.wagcom.ads.orst.edu/agcomwebfile/garden/soil - How to improve clay soils along with many other soil tips, mulching, etc.

www.ag.ohio-state.edu/~ohioline/hygfact/1000/1144.html - Interpreting soil test results.

ianrwww.unl.edu/ianr/pubs/extnpuhs/hort/g945.htm#soil - Soil guide, nutrient management—very complete.

Trees

www.treelink.org - Wow! News, views, tips and links all about tree care. www.sufa.com - The Tree care Information Center.

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

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

willow.ncfes.umn.edu/FAQs/treefaq.htm - Frequently asked tree questions.

www.urban-forestry.com - Society of Municipal Arborists.

www.forestapps.com/news/html - Chain saw safety and tips; includes "tree height measuring made easy."

www.chesco.com/~treeman/treeinfo.html - Tree guru Dr. Alex Shigo.

www.ctpa.org - Connecticut Tree Protective Association.

www.state.ct.us/caes - Covers tree pests.

www.treeview.com - Plants and large trees.

forestry.miningco.com - A search site with links to tree care-related web sites.

www.teleport.com/~pnwisa/ - "Landscape Tree Care 101."

www2.champaign.isa-arbor.com/ - From the International Society of Arboriculture.

www.natlarb.com - National Arborist Association home page.

Pests and Disease

www.scisoc.org - Plant disease data from the American Phytopathological Society.

www.nal.usda.gov/speccoll/Plant_Pests_and_Diseases - From the National Agricultural Library via the USDA, extensive information.

hammock.ifas.ufl.edu/txt/fairs/31573 - Plant disease management guide.

aceis.agr.ca/icar/E/440000.html - Controls for plant diseases.

www.ipm.ucdavis.edu/PMG/us_pmg.html - Pest management guidelines.

www.reeusda.gov/nipmn/ - Integrated Pest Management in the U.S., links to region-specific pest problem-solving.

www.public.iastate.edu/~jvandyk - "Personal home page for John K. VanDyk, entomologist turned computer geek. Drop by—you could win a free bucket o' chicken." Contains links for pest control.

www.ent.iastate.edu/ - From Iowa State University's entomology department..

entowww.tamu.edu/ - Entomology department at Texas A&M.

persephone.agcom.purdue.edu/AgCom/Pubs/pdflinks/E-70.html - Flower garden pests, from Purdue University.

www.gardenline.com/ - Wow! Links to all types of landscape management resources on the Internet. Helpful tips for pros and amateurs.

alexia.lis.uiuc.edu/~shahane/diglib/garden.html - A "garden upkeep" site with numerous links to key sites.

freenet.macatawa.org/org/ogm/orgcert.htm - List of each state's certification organization regarding organic plant management strategies and resources.

www.cdpr.ca.gov/docs/dprdocs/goodbug/organisms.htm - Suppliers of beneficial organisms in North America.

www.magick.net/~tower/molefact/htm - Information on moles and gophers.

www.pestweb.com - Insects and other organ-

isms are covered by Van Waters and Rogers.

www.agnic.org/agdb/terc.html - Turfgrass entomology reference chart with photos.

www.biohaven.com/links - Important links for biology/entomology.

ace.orst.edu/info/extoxnet - From the Extension Toxicology Network, explains toxicological risk from pesticides in laymen's terms.

cygnus.tamu.edu/Textlab/Lawns/lawq.html - Texas Plant Disease Handbook.

Horticulture

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

wysiwyg://36/http://www.whitneyfarm.com/garden/guide_main.html - Garden Guide Index covers plant materials and aspects of landscape management.

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

www.anr.ces.purdue.edu/anr/anr/ornament.html - Advice on ornamentals.

www.foodsafety.org/dh/dh095.htm - Guide for salvaging flood-damaged shrubs and ornamentals.

cabarrus.ces.state.nc.us/staff/dgoforth/mgdg-wor.html - Information and selection guide for woody ornamentals.

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

www.wildhorses.com/compost.html - Composting and organic gardening.

www.clr.toronto.edu:1080/cldr.html - Center For Landscape Research.

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

www.hort.purdue.edu/ext/garden_calendars.html - Month-by-month guides for landscape maintenance strategies.

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 hostas and ornamental grasses.

www6.garden.com - Extensive site matches plant materials with environmental conditions; also contains garden design software.

www.inerlog.com/~rooftop - Rooftop Gardens Resource Group.

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

www.nostarch.com/gcc_au.htm - "The Gardener's Computer Companion."

www.gardenmag.com - Organic gardening techniques.

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

www.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.

www.ext.vt.edu/pubs/fisheries/420-011/420-011.html#L5 - Constructing a pond.

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

www.iwaysol.com/westag/industry.htm - Irrigation links.

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

www.igin.com/asic/home/html - American Society of Irrigation Consultants.

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

www.irrigation.org/ - Search engine developed by the Irrigation Association.

www.wateright.org - Irrigation scheduling programs.

Snow

www.ptialaska.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/csmith669/autolinks.html - Chuck's links point to all types of industry and related equipment.

www.tmn.com/tisc - From the Tire Industry Safety Council, using/selecting tires and related equipment.

www.turf.com - Lofts Seeds' information on turf and wildflowers

www.turfzone.com - "The Resource Site for the Turf Industry," it provides fast links to industry suppliers.

www.mathesquarry.com/products - Excellent guide to stone products ranging from sand to boulders.

www.vikingop.com - Commercial site for office supplies.

expo.mow.org - International Lawn, Garden and Power Equipment Expo.

Green Industry Information

www.imandi.com - Referral site for consumers rates listed contractors, industry professionals.

www.improvenet.com - List your company's landscape design or maintenance services, and even illustrate your favorite projects. This site lets consumers make easy inquiries.

www.gogrow.com - From Horn's Home and Garden, a comprehensive resource for gardeners and landscapers with searches.

www.Kundeco.com/links.htm - "Links, links and more links" about Global Positioning Systems, with landscape applications.

www.aksi.net/agquest - Horticultural job placement site.

www.occ.com - Online career center.

www.mamma.com - "The Mother of All Search Engines."

www.elibrary.com - Search engine; "Electric Library" covers news articles, databases, etc.

www.nps.gov/cue/cueintro.html - The Center for Urban Ecology, it has information on landscapes where people interact — parks, etc.

opei.mow.org - It's called Cyberlawn, with information and links regarding power equipment and turf.

www.horticulture.com - "The Horticultural Web," a great search engine.

www.plantamerica.com - A "learning network" containing much information, links.

www.broccologroup.com - Tips and links from green industry veteran Laurie Broccolo.

www.designerlandscape.com - Displays design elements, plus links.

www.coaps.fsu.edu/lib/elinolinks - Weather-related issues.

www.ace.ace.orst.edu/info/nptn - From the National Pesticide Telecommunications Network; extensive resources on pesticide benefits, includes government agencies.

www.usda.gov - The United States Dept. of Agriculture.

www.cdc.gov - Centers for Disease Control with info on pest-borne illnesses and issues.

www.intellicast.com - Check your hometown weather radar screen and track the latest storm.

http://agnews.tamu.edu - Huge search engine from Texas A&M.

www.pathfinder.com - TimeLife, TimeWarner search engine; literature and links.

www.reeusda.gov/new/statepartners - Extension agencies; land grant universities gateway.

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RONSTAR ^d	M	H	NR	M	M	NR	NR	NR
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INSECT	WHERE TO FIND THEM	DAMAGE SYMPTOMS	CONTROL PRACTICES
<i>Warm-season insect pests</i>			
Cutworms/Armyworms <i>Scouting: Soap flush</i>	Warm-season grasses	Turf clipped at soil level; large bare areas	<ol style="list-style-type: none"> 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
Fire ants	Warm-season grasses	Unightly mounds that may damage mowers, painful stings a problem in high-traffic areas	<ol style="list-style-type: none"> 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)
Mole crickets <i>Scouting: Soap flush</i>	Bahiagrass, close-cut turf	Tunneling, dieback, thin spots	<ol style="list-style-type: none"> 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
Ground pearls <i>Scouting: Dig 2-4 in. in soil, sift and look for "pearls"</i>	Bermudagrass, centipedegrass	Yellowing, turf dieback, no new regrowth the following season	<ol style="list-style-type: none"> 1. no known effective controls; 2. manage for turf tolerance; 3. irrigate during dry weather
Southern chinch bugs <i>Scouting: Look for nymphs under leaf sheath; use a cylinder pressed into ground, filled with water, to watch for floating bugs</i>	All warm-season grasses, especially St. Augustinegrass	Yellowed turf, turning reddish brown	<ol style="list-style-type: none"> 1. avoid overfertilizing; 2. manage thatch; 3. irrigate in dry spells; 4. apply pesticides with plenty of water; 5. multiple treatments often needed
Twolined spittlebugs <i>Scouting: Look for spittle masses near base of plant; count nymphs in spittle masses</i>	Warm-season grasses	Yellowed turf, unsightly "spittle masses"	<ol style="list-style-type: none"> 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
White grubs <i>Scouting: Dig sod squares 4- to 6-in. deep to detect grubs (will be closer to surface after rain)</i>	Warm-season grasses	Drought stress and turf dieback, may attract hungry moles or skunks	<ol style="list-style-type: none"> 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
Bermudagrass mites <i>Scouting: Use hand lens to see small worm-like mites on grass and under leaf sheath</i>	Bermudagrass	Yellowing of leaf tips, then shortened internodes for tufted growth, death	<ol style="list-style-type: none"> 1. irrigate during dry spells; 2. proper fertilization helps turf outgrow damage; 3. use resistant cultivars; 4. multiple treatments often needed
Bees & wasps	All turf types	Holes, mounds, tunneling in turf, visible flying insects	<ol style="list-style-type: none"> 1. maintain healthy, lush turf; 2. mulch under shrubs and trees and keep it fresh to discourage nesting