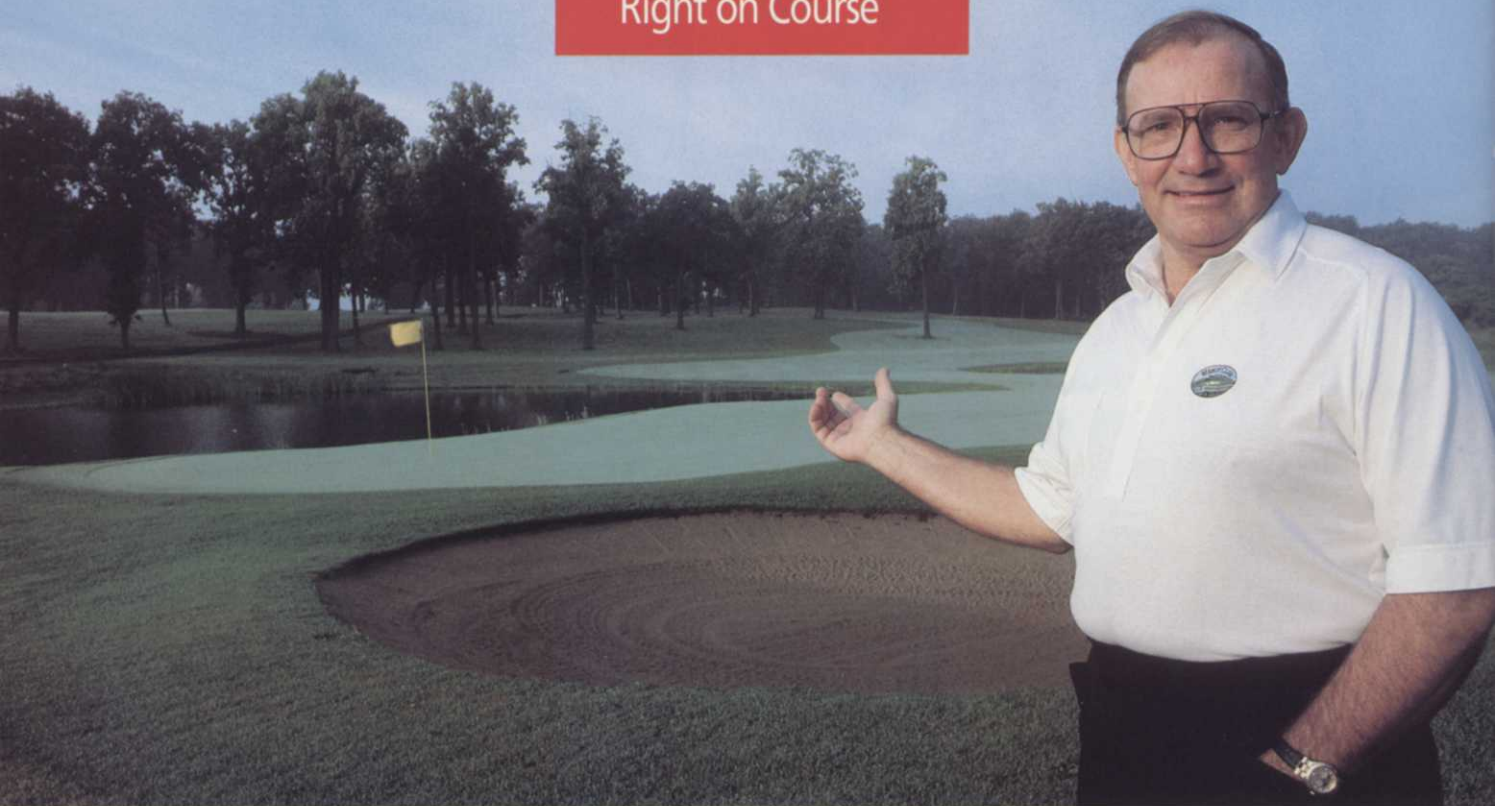


## The Penn Pals: Right on Course



*Oscar Miles, CGCS, overlooks the 6th hole at the Merit Club, Libertyville, Illinois.*

# PennLinks Greens. Penneagle Fairways. Penncross Tees. The 'Penn Pals' Are Picture Perfect At The Merit Club.

Superintendent Oscar Miles, with Club President Ed Oldfield's affirmation, specified all the grassing of this Robert M. Lohmann designed club. With a clean canvas and open palette, Oscar began with PennLinks greens, Penneagle fairways and Penncross tees, framing them with bluegrass/fine fescue/wildflower and prairiegrass roughs. You couldn't paint a more attractive picture.

Oscar chose PennLinks greens for its rapid establishment, marvelous root system, a crown and stolons that take topdressing, upright, grainless qualities and good, consistent color ... the best putting surface available.

He selected Penncross for tees because they recover from divot scars more quickly.

And the Penneagle fairways? Oscar chose Penneagle for its upright growth, reduced thatch development, low nitrogen requirement and good drought and dollar spot resistance. He seeded at 80 lbs. per acre for immediate turf development and

erosion control. The fairways were playable in 8 weeks. Oscar's crew usually mows fairways in the evening and leaves the clippings; recycling nutrients while reducing removal and fertilizer costs.

Oscar articulates it best: "The unique coloring of the 'Penn Pals' contrasts beautifully with the grassing around them, defining the target areas. And with the dew on the bents early in the morning, they're a marvelous work of art."

### Tee-2-Green Corp.

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*Oscar L. Miles*

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# LANDSCAPE MANAGEMENT

INCORPORATING LAWN CARE INDUSTRY

SEPTEMBER 1992 VOL. 31, NO. 9

## 5 DESK COMPANION

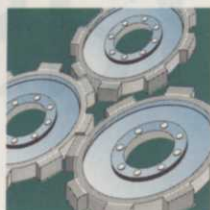
A complete guide to the professionals you might have to contact for business purposes during the next 12 months, as well as key contacts at land grant universities across the country.

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LANDSCAPE MANAGEMENT (ISSN 0894-1254) is published monthly by ADVANSTAR Communications, Inc. Corporate and editorial offices: 7500 Old Oak Blvd., Cleveland, OH 44130. Advertising offices: 3475 Lenox Rd. NE, Suite 665, Atlanta, GA 30326 and 7500 Old Oak Blvd., Cleveland, OH 44130. Accounting, advertising production and circulation offices: 1 East First Street, Duluth, Minn. 55802. Subscription rates: \$30 per year in the United States; \$55 per year in Canada. All other countries: \$100 per year. Current issue single copies (pre-paid only): \$3.00 in the U.S.; \$6.00 in Canada; elsewhere \$10.00; add \$3.50 per order for shipping and handling. Back issues, if available, \$10; add \$3.50 per order for shipping and handling (pre-paid orders only). Office of publication: ADVANSTAR Communications, Inc., 1 East First Street, Duluth, Minn. 55802 and additional mailing offices. Copyright © 1992 by ADVANSTAR Communications, Inc. All rights reserved. No part of this publication may be reproduced or transmitted in any form or by any means, electronic or mechanical, including photocopy, recording, or any information storage and retrieval system, without permission in writing from the publisher. Canadian G.S.T. number: R-124213133. POSTMASTER: Send address changes to Landscape Management P.O. Box 6269 Duluth, Minn. 55806. Date effective: December 27, 1990.

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Golf Course Superintendents Association of America, 1421 Research Park Dr., Lawrence, KS 66049-3859; (913) 841-2240.

International Society of Arboriculture, P.O. Box 908, Urbana, IL 61801; (217) 328-2032.

International Turfgrass Society, Crop & Soil Environmental Sciences, VPI-SU, Blacksburg, VA 24061-0403; (703) 231-9796.

National Arborist Association, The Meeting Place Mall, P.O. Box 1094, Amherst, NH 03031-1094; (603) 673-3311.

National Golf Foundation, 1150 South U.S. Highway One, Jupiter, FL 33477; (407) 744-6006.

Ohio Turfgrass Foundation, 2021 Coffey Rd., Columbus, OH 43210; (614) 292-2601.

## PGMS

Professional Grounds Management Society, 10402 Ridgland Rd., Suite 4, Cockeysville, MD 21030; (301) 667-1833.



Professional Lawn Care Association of America, 1000 Johnson Ferry Rd., NE Suite C-135, Marietta, GA 30068-2112; (404) 977-5222.

Responsible Industry for a Sound Environment, 1155 15th St., NW, Washington, D.C. 20005; (202) 296-6085.



Sports Turf Managers Association, P.O. Box 98056, Las Vegas, NV 89193-8056; (702) 739-8052.

Turf and Ornamental Communicators Association, 8500 Normandale Lake Blvd., Suite 1200, Bloomington, MN 55437; (612) 831-8515.

## AS WE SEE IT

TERRY McIVER, MANAGING EDITOR



## Developing and promoting turfseed brands cuts costs

The latest National Turfgrass Evaluation Program examined some 72 varieties of bluegrass, 65 perennial ryegrasses, 93 fine fescues and 65 tall fescues.

But you, the buyer, might only need one of each.

Confused? You're not alone.

Even some within the seed industry think the great number of varieties makes it hard for the buyer to choose.

Sandra Winton of Zajac Performance Seeds wrote *LM* following publication of our annual Seed Pocket Guide in July.

"The proliferation of turfgrass varieties, and the multitude of data collected on those varieties has made the job of turf professionals progressively more difficult and confusing," she wrote. "Many varieties that were statistically indistinguishable from the No. 1 rated were never [even] mentioned in the guide."

In addition, Tom Stanley, director of marketing for Turf-Seed, reports some astronomical figures for brand promotion costs.

"Also, varieties have a short life span," says Stanley. "Too many varieties are causing confusion in the marketplace, and not many are significantly different.

"We all want to be listed on the first page of the turf trial reports," admits Stanley, "but what about the varieties on the second and third page? Are they significantly different? Most probably are not."

According to Stanley, Turf-Seed has decided to counter some of the confusion by promoting brands. "By promoting brands," says Stanley, we can take the disadvantages of promoting varieties and turn them into advantages." He also believes brands are "easily upgraded by using new breeding material that's coming through our research program, and it's easy to maintain exclusivity."

The University of Illinois' Dr. Hank Wilkinson, speaking at the Jacklin Discovery Tour, explained that more and

more seed companies are expanding their research to accelerate seed development, and to fill the growing void left by shrinking university research programs.

But research is costly and in some cases a hit-and-miss proposition, even for the most established company.

"You can do a lot of research and get nowhere," admits Wilkinson. "For me to generate one piece of new information can cost between \$30,000 and \$40,000," says Wilkinson. He described a figure as seemingly high as \$1 million as "a drop in the bucket" when considering the total capital needed to finance research. And even then, most investments don't see solid results for 10 to 20 years, even longer for disease research.

"Industry's going to have to pick up more of this role and cooperate with universities," said Wilkinson, "and you're going to see more people hired in at the private level to do this work."

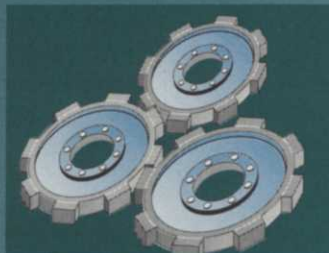
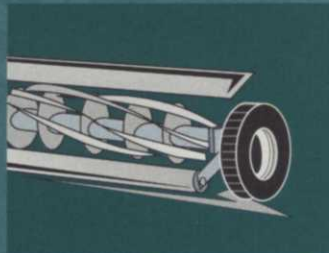
If it doesn't necessarily develop new varieties, seed research can still, as Stanley suggests, improve within a brand itself. "Better quality, better traits, resistance, hardiness, green-up—if it won't produce good quality consistently, it's not of much value," admitted Wilkinson.

LANDSCAPE MANAGEMENT would like to continue being on the cutting edge of providing our readers with significant information about the seed industry. If you have any comments or suggestions as to how we can better serve you, please let us know.

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Crop Science Society of America, 677 S. Segoe Rd., Madison, WI 53711; (608) 273-8080.

Soil and Water Conservation Society, 7515 N.E. Ankeny Rd., Ankeny, IA 50021; (515) 289-2331.

Soil Science Society of America, 677 S. Segoe Rd., Madison, WI 53711; (608) 273-8080.

## ATHLETIC TURF

American Society of Testing Materials, F-8 Committee, 1916 Race St., Philadelphia, PA 19103; (215) 299-5400.

American Sports Underwriters, 600 Unicorn Park Dr., Woburn, MA 01801; (617) 938-6300.

Sports Turf Managers Association, 401 N. Michigan Ave., Chicago, IL 60611; (312) 644-6610.

Sports Turf Research Institute, Bingley, West Yorkshire, ENGLAND BD16 1AU.

## AQUATICS

Center for Aquatic Plants, 7922 NW 71st., University of Florida, Gainesville, FL 32606; (904) 392-9613.

USDA Aquatic Weed Laboratory, University of California, Davis, CA 95616.

## BOTANY

American Society of Plant Physiologists, 15501 Monona Drive, Rockville, MD 20855-2768; (301) 251-0560.

U.S. Botanic Garden Conservatory, 1st St. & Maryland Ave. S.W., Washington, D.C. 20024; (202) 225-8333.

## CHEMICALS/FERTILIZERS

AOAC International, 220 Wilson Boulevard, Suite 400, Arlington, VA 22201-3301; (703) 522-3032.

Chemical Specialties Manufacturers Association, 1913 I Street NW, Washington, DC 20006; (202) 872-8110.

The Fertilizer Institute, 501 Second St., NE, Washington, DC 20002; (202) 675-8250.

Midwest Agricultural Chemicals Association, P.O. Box 2125 Northside Station, Sioux City, IA 51104-0125; (712) 277-7380.

National Agricultural Chemicals Association, 1155 15th St., N.W., Suite 900, Washington, DC 20005; (202) 296-1585.

Agricultural Retailers Association, 339 Consort Drive, Manchester 36011, MO 63011; (314) 256-4900

Western Agricultural Chemicals Association, 3835 North Freeway Boulevard, Suite 140, Sacramento, CA 95834; (916) 446-9222.

## ENVIRONMENT

Ecological Society of America, Center for Environmental Studies, Arizona State University, Tempe, AZ 85287-3211; (602) 965-3000.

U.S. EPA, Office of Public Affairs, 401 M St. S.W., Washington, D.C. 20460; (202) 260-4361.

Keep America Beautiful, 9 West Broad St., Stamford, CT 06902; (203) 323-8987.

National Wildlife Federation, 1400 16th St. N.W., Washington, D.C. 20036; (202) 797-5441.

## EQUIPMENT

Equipment Manufacturers Institute, 10 South Riverside Plaza, Suite 1220, Chicago, IL Michigan Ave., Suite 680, Chicago, IL 60606. (312) 321-1470

Lawn, Garden & Power Equipment Expo, 6100 Dutchman's Lane, Louisville, KY 40205; (800) 558-8767.

National Association of Wholesalers-Distributors, 1725 K St. N.W., Suite 710, Washington, D.C. 20006; (202) 872-0885.

National Equipment Servicing Dealer's Association, P.O. Box 2116, Peoria, AZ 85380; (602) 566-0997.

National Lawn & Garden Distributors Association, 1900 Arch St., Philadelphia, PA 19103; (215) 564-3484.

Outdoor Power Equipment Institute, 341 S. Patrick St., Old Town Alexandria, VA 22314; (703) 549-7600.

The Service Dealers Association, 1946 South IH-35, Suite 100-A, Austin, TX 78704; (512) 443-7999.

## GOLF

American Society of Golf Course Architects, 221 N. LaSalle St., Chicago, IL 60601; (312) 372-7090.

Canadian Golf Course Superintendents Association, 5580 Explorer Drive, Suite 509, Mississauga, Ontario; (416) 602-8873.

Carolinas Golf Course Superintendents Association, 108-4 Frontage Rd. Clemson, SC 29631; (800) 476-4272.

Georgia Golf Course Superintendents Association, P.O. Box 683, Watkinsville, GA 30677; (404) 769-4076.

Golf Course Superintendents Association of America, 1421 Research Park Dr., Lawrence, KS 66049-3859; (913) 841-2240.

Golf Course Superintendents Association of New Jersey, 66 Morris Ave, P.O. Box 359, Springfield, NJ 07081; (201) 379-1100.

Maine Golf Course Superintendents Association, 170 U.S. Rt. 1, Suite 200, Falmouth, ME 04105. (207) 781-7878.

National Golf Course Owners Association, 19 Exchange St. P.O. Box 1061, Charleston, SC 29402; (803) 577-5239.

National Golf Foundation, 1150 S. US Highway One, Jupiter, FL 33477; (407) 744-6006.

Northern Ohio Golf Course Superintendents Association, 17800 Chillicothe Rd., Chagrin Falls, OH 44022; (216) 543-6320.

USGA Green Section, P.O. Box 708, Golf House, Far Hills, NJ 07931; (908) 234-2300.

West Texas Golf Course Superintendents Association, 6200 Estacado Lane, Amarillo, TX 79109; (806) 354-8447.

## HORTICULTURE

American Horticultural Society, 7931 East Blvd. Drive, Alexandria, VA 22308; (800) 777-7931.

American Society for Horticultural Science, 113 S. West St., Suite 400, Alexandria, VA 22314; (703) 836-4606.

Ornamental Growers Association of Northern Illinois, P.O. Box 67, Batavia, IL 60510; (708) 879-0520.

## IRRIGATION

American Society of Irrigation Consultants, 425 Oak St., Brentwood, CA 94513; (510) 516-1300.

California Landscape & Irrigation Council, Inc., P.O. Box 488, Chino, CA 91708-0488; (714) 590-5680.

Canadian Irrigation Association, 235 Carlisle Rd., Carlisle, Ontario, CANADA L0R 1H0; (416) 689-8134.

Florida Irrigation Society, 1850 Lee Rd., Suite 230, Winter Park, FL 32789; (407) 740-5296.

Georgia Water Wise Council, 1033 Franklin Rd., Suite 11, Marietta, GA 30067.

The Irrigation Association, 1911 N. Fort Myer Dr., Suite 1009, Arlington, VA 22209; (703) 524-1200.

North Carolina Irrigation Society, Inc., P.O. Box 7625, North Carolina

Texas Turf Irrigation Association, 1033 La Posada Dr., Suite 220, Austin, TX 78752; (512) 454-8626.

## LANDSCAPE DESIGN

American Society of Golf Course Architects, 221 N. LaSalle St., Chicago, IL 60601; (312) 372-7090.

American Society of Landscape Architects, 4401 Connecticut Ave. N.W., Fifth Floor, Washington, D.C. 20008; (202) 686-2752.

The National Lighting Bureau, 2101 L Street N.W., Suite 300, Washington, D.C. 20037; (202) 457-8437.

## LANDSCAPE MANAGEMENT

Allied Landscape Industry, 1250 I Street N.W., Suite 500, Washington, D.C. 20005, (202) 789-2900.

Arizona Landscape Contractors Association, P.O. Box 5766, Scottsdale, AZ 85261; (602) 956-4252.

Associated Landscape Contractors of America, 12200 Sunrise Valley Dr., Suite 150, Reston, Va 22091; (703) 620-6363.

Associated Landscape Contractors of Colorado, 5290 E. Yale Circle, Suite 100, Denver, CO 80222; (303) 757-5611.

Associated Landscape Contractors of Massachusetts, Inc., 200 Linden St., Wellesley, MA 02181; (617) 431-1617.

California Landscape Contractors Association, Inc., 2021 N. St., Sacramento, CA 95814; (916) 448-2522.

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Indianapolis Landscape Association, 740 Auman Dr. W, Carmel, IN 46032; (317) 844-1799.

Landscape Contractors Association of Maryland/DC/Virginia, 9053 Shady Grove Ct., Gaithersburg, MD 20877; (301) 948-0810.

Landscape Maintenance Association, P.O. Box 728, Largo, FL 34649; (813) 584-2312

Landscape Manitoba, 808 Muriel St. Parkside Dr., Winnipeg, Manitoba, CANADA R2Y 0Y3; (204) 889-5981.

Landscape Materials Information Service, P.O. Box 216, Callicoon, NY 12723, (914) 887-4401.

Landscape Ontario Horticultural Trades Association, 1293 Matheson Blvd., Mississauga, Ontario, CANADA L4W 1R1; (416) 629-1184.

Metro Atlanta Landscape & Turf Association, P.O. Box 420995, Atlanta, GA 30342; (404) 256-4822.

Metropolitan Detroit Landscape Association, c/o 30600 Telegraph Rd., Suite 1386, Bingham Farms, MI 48025; (313) 646-4992.

Nassau/Suffolk Landscape Gardeners Association, P.O. Box 489, Brightwaters NY 11718; (516) 665-2250.

National Landscape Association, 1250 I St. N.W., Suite 500, Washington D.C. 20005; (202) 789-2900.

Nevada Landscape Association, P.O. Box 7431, Reno, NV 89510; (702) 356-0909.

New Jersey Nursery & Landscape Association, Building A, Suite 3, 65 S. Main St., Pennington, NJ 08534; (609) 737-0890.

New York State Nursery & Landscape Association, P.O. Box 657, Balwinsville, NY 13027; (315) 699-3337 or (800) 647-0384.

North Carolina Landscape Contractors Association, P.O. Box 400, Knightdale, NC 27545; (919) 266-1777.

Ohio Landscapers Association, P.O. Box 170 Richfield, OH 44286; (216) 659-9755.

Oregon Landscape Contractors Association, 825 NE 20th, Suite 120, Portland, OR 97232; (503) 232-5509.

Professional Grounds Management Society, 10402 Ridgland Rd., Suite 4, Hunt Valley, MD 21030; (301) 667-1833.

Texas Association of Landscape Contractors, 3001 LBJ Freeway, Suite 105, Dallas, TX 75234; (214) 241-1399.

Utah Association of Nurserymen & Landscape Contractors, 3500 S. 900 E., Salt Lake City, UT 84106; (801) 487-4131.

Washington Association of Landscape Professionals, P.O. Box 729, Mercer Island, WA 98040; (206) 236-1707.

Washington State Nursery & Landscape Association, P.O. Box 670, Sumner, WA 98390; (206) 863-4482.

Wisconsin Landscape Contractors Association, 21620 Belgren Rd., Waukesha, WI 53186; (414) 786-2465.

#### NATIVE GRASS, WILDFLOWERS

California Native Grass Association, P.O. Box 566, Dixon, CA 95620.

National Wildflower Research Center, 2600 FM 973 North, Austin, TX 78725; (512) 929-3600.

#### PARKS/RECREATION

Michigan Recreation & Park Association, 2722 E. Michigan Ave., Suite 201, Lansing, MI 48912; (517) 485-9888.

Minnesota Park Supervisors Association, 3400 Plymouth Blvd., Plymouth, MN 55477; (612) 550-7463.

Missouri Park & Recreation Association, 1203 Missouri Blvd., Jefferson City, MO 65109; (314) 636-3828.

National Institute on Parks & Grounds Management, P.O. Box 1936, Appleton, WI 54913; (414) 733-2301.

National Parks & Conservation Association, 1776 Massachusetts Ave. NW, Washington, DC 20036; (202) 223-6722.

National Recreation & Park Association, 2775 S. Quincy St., Suite 300, Arlington, VA 22206; (703) 820-4940.

Ontario Parks Association, 1220 Sheppard Ave. E., North York, Ontario, CANADA M2K 2X1; (416) 495-4088.

Southwest Park & Recreation Training Institute, Park Administration and Landscape Architecture Dept., P.O. Box 4219, Stop 3144,

#### PESTICIDES

The Alliance for Environmental Concerns, P.O. Box 3692, Wayne, NJ 07474; (201) 595-7172.

Forestry/Rights-of-Way/Turf Coalition (Wisc.), 2317 International Lane, Suite 109, Madison, WI 53704; (608) 249-2323.

Interstate Professional Applicators Association, P.O. Box 1377, Milton, WA 98354; (503) 656-3219.

Ohio Pesticide Applicators for Responsible Regulation, 1215 Terminal Tower, Cleveland, OH 44113; (216) 781-1212

Professional Pesticide Users of Connecticut, 88 Palmer Dr., South Windsor, CT 06074; (203) 644-4447.

Responsible Industry for a Sound Environment, 1155 15th St., NW, Suite 900, Washington, DC 20005; (202) 872-3860.

#### SEED/SOD

American Association of Seed Control Officials, Oregon Dept. of Agriculture, Commodity Inspection Div., 635 Capitol St. NE, Salem, OR 97310-0110; (503) 378-3774.

American Seed Trade Association, 601 13th St. NW, Suite 570-South, Washington, D.C. 20005; (202) 638-3128.

American Sod Producers Association, 1855-A Hicks Rd., Rolling Meadows, IL 60008; (708) 705-9898.

Atlantic Seedmen's Association, 298 E. McCormack Ave., State College, PA 16801; (814) 237-0330.

Cultivated Sod Association of New Jersey, c/o Soils & Crops Dept., P.O. Box 231, Cook College, Rutgers University, New Brunswick, NJ 08903; (908) 932-9453.

Manhattan Ryegrass Growers Association, P.O. Box 250, Hubbard, OR 97032; (503) 651-2130.

Oregon Chewings Fescue & Creeping Red Fescue Commission, (Oregon Fine Fescue Commission), 866 Lancaster Dr. SE, Salem, OR 97301; (503) 585-1157.

Oregon Fine Fescue Association, 866 Lancaster Dr. SE, Salem, OR 97301; (503) 585-1157

Oregon Highland Bentgrass Commission, P.O. Box 3366, Salem, OR 97302; (503) 364-3346.

Oregon Ryegrass Growers Seed Commission, P.O. Box 3366, Salem, OR 97302; (503) 364-3346.

Oregon Tall Fescue Commission, 866 Lancaster Dr. SE, Salem, OR 97301; (503) 585-1157.

Penncross Bentgrass Growers Association, P.O. Box 250, Hubbard, OR 97032; (503) 651-2130

Sod Growers Association of Michigan, 50240 Martz Rd., Belleville, MI 48111; (313) 481-1600.

#### TREES

American Forests, P.O. Box 2000, 1516 P St. NW, Washington, DC 20013; (202) 667-3300.

Council of Tree & Landscape Appraisers, 1250 I Street N.W., Suite 500, Washington, DC 20005; (202) 789-2421.

International Society of Arboriculture, Urbana, IL (217) 328-2032.

International Society of Arboriculture, Western Chapter, 1462 Thurlene Rd., Glendale, CA 91206; (818) 246-5260.

National Arbor Day Foundation, 211 N 12 Suite 501 Lincoln, NE 68508 NE; (402) 474-5655.

National Arborist Association, The Meeting Place Mall, Rt. 101, P.O. Box 1094, Amherst, NH 03031; (603) 673-3311.

New York State Arborists Association, P.O. Box 58, Latham, NY; (518) 783-1322.

Ontario Shade Tree Council, 5 Shoreham Dr., North York, Ontario, CANADA M3N 1S4; (416) 794-0099.

Secret Arboretum, Ohio Agricultural Research & Development Center, Ohio State University, Wooster, OH 44691; 1680 Madison Ave. (216) 263-3761.

Society of Municipal Arborists, R.R. 3, Box 614, Williston, ND 58801; (701) 572-6368.

#### TURFGRASS/LAWN CARE

American Council for Turfgrass, Soil & Crop Sciences Center, Texas A&M University, College Station, TX 77843.

Kansas Turfgrass Foundation, Dept. of Horticulture, Kansas State

Delaware Turfgrass Association, University of Delaware, Plant Science Dept., Newark, DE 19711; (302) 831-2535

Georgia Turfgrass Association, 5198 Ross Rd., Acworth, GA 30102; (404) 975-4123.

Georgia Green Industry Association, P.O. Box 369, Epworth, GA 30541; (706) 492-4664

Green Industry Council of Missouri, 16100 Chesterfield Parkway South, Suite 140, Chesterfield, MO 63017; (314) 537-1360

Hawaii Turfgrass Association, c/o Dave Klawitter, P.O. Box 31003, Honolulu, HI 96820; (808) 841-3305.

Kansas Turfgrass Foundation, Dept. of Horticulture, Waters Hall/KSU, Manhattan, KS 66506; (913) 532-6170.

The Lawn Institute, 1509 Johnson Ferry Rd., NE, Suite 190, Marietta, GA 30062; (404) 977-5492.

Louisiana Turfgrass Association; Tom Koske, LSU Cooperative Extension Service, Knapp Hall Louisiana State University, Baton Rouge, LA 70803; (504) 388-4141.

Maine Golf Course Superintendents Association, 170 US Rt. 1, Suite 200; Falmouth, ME 04105; (207) 781-7878.

Maine Turfgrass Association, c/o Kevin Ross, Falmouth C.C. (207) 829-3880.

Maryland Turfgrass Council, Inc., Box 223, White Marsh, MD 21162; (410) 335-3700.

University of Massachusetts Department of Landscape Architecture and Regional Planning. Univ. of Massachusetts, (415) 545-2255.

Massachusetts Turf & Lawn Grass Council, P.O. Box 489, Hadley, MA 01035; (413) 549-5295.

Michigan Turfgrass Foundation, Michigan State University, Crop & Soil Sciences, East Lansing, MI 48824; (517) 355-0266.

Midwest Regional Turf Foundation, Dr. Clark Throssel, Dept. of Agronomy, Purdue University, West Lafayette, IN 47907; (317) 494-4785.

Minnesota Nursery and Landscape Association, Turf and Landscape Committee, 5424 Girard Ave. S, Minneapolis, MN 55419; (612) 220-9390.

Mississippi Turfgrass Association, P.O. Box 5248, Mississippi State, MS 39762; (601) 325-2311.

Musser International Turfgrass Foundation, P.O. Box 124, Sharon Center, OH 44274; (216) 239-2383.

New Jersey Turfgrass Association, Soils & Crops Dept., P.O. Box 231, Cook College, Rutgers University, New Brunswick, NJ 08903; (908) 932-9453.

New York State Turfgrass Association, P.O. Box 612, Latham, NY 12110; (800) 873-8873.

New York Turf & Landscape Association, Inc., P.O. Box 307, Scarsdale, NY 10583; (914) 636-2875.

North Carolina Turfgrass Council, P.O. Box 36160, Raleigh, NC 27606; (919) 851-2901.

North Central Turfgrass Association, P.O. Box 10444, Fargo, ND 58106; (701) 232-0215.

Northern California Turfgrass Council, 425 Oak St., Brentwood, CA 94513.

Northwest Turfgrass Association, P.O. Box 367 Olympia, WA 98507; (206) 754-0825.

Ohio Lawn Care Association, 2999 Silver Dr. Suite 200 Columbus, OH 43224; (614) 261-1221.

Ohio Turfgrass Foundation, 2021 Coffey Rd., Columbus, OH 43210; (614) 292-2601.

Pennsylvania Turfgrass Council, P.O. Box 417, Bellefonte, PA 16823; (814) 355-8010.

Professional Lawn Care Association of America, 1000

Johnson Ferry Rd. N.E., Suite C-135, Marietta, GA 30068-2112; (404) 977-5222.

Rocky Mountain Regional Turfgrass Association, P.O. Box 29 Franktown, CO 80116; (303) 688-2268.

South Carolina Lawn & Turfgrass Association, Clemson University, P.O. Box 325, Clemson, SC 29633.

Southern California Turfgrass Council; 26442 Vera Cruz, Mission Viejo, CA 92691; (714) 951-8547.

Southwest Turfgrass Association, Crop & Soils Dept., New Mexico State University, Las Cruces, NM 88003; (505) 646-3028.

Tennessee Turfgrass Association, c/o Mid-East Power Equipment Co., 533 Hagan St., Nashville, TN 37203; (615)

242-4600.

Texas Turfgrass Association, 1003 Howe, College Station, TX 77845; (409) 693-1656.

Tidewater Turfgrass Association, P.O. Box 2171, Norfolk, VA 23501.

Turfgrass Council of North Carolina, P.O. Box 289, Southern Pines, NC 28388; (919) 695-1333.

Virginia Turfgrass Association, 3646 Greenland Ave. NW, Roanoke, VA 24012; (703) 362-4781.

Virginia Turfgrass Council, P.O. Box 9528, Virginia Beach, VA 23450; (804) 340-3473.

# Land Grant Universities: Key Contacts

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Arkansas: Dr. John W. King, Agronomy Dept., University of Arkansas, Fayetteville, AR 72701; (501) 575-5723

California: Dr. Victor A. Gibeault, 4146 Batchelor Hall, Plant Sciences Dept., University of California, Riverside, CA 92521; (714) 787-3575

Colorado: Dr. Kenneth Brink, Horticulture Dept., Colorado State University, Ft. Collins, CO 80523; (303) 491-7018; Dr. Tony Koski: (303) 491-7070

Connecticut: Dr. William M. Dest, Plant Science Dept., U-67, 1376 Storrs Rd., W.B. Young Bldg., Room 112, University of Connecticut, Storrs, CT 06269-4067; (203) 486-0189

Florida: Dr. T.L. Freeman, Dept. of Plant Pathology, 2553 Fifield Hall, University of Florida, Gainesville, FL 32611-0513; (904) 392-7231

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Hawaii: Dr. Charles L. Murdoch, Horticulture Dept., 3190 Maile Way, University of Hawaii, Honolulu, HI 96822; (808) 948-7958

Idaho: Dr. Robert Tripepi, Plant & Soil Sciences Dept., PSES Bldg. University of Idaho, Moscow, ID 83843; (208) 885-6276

Illinois: Dr. Tom W. Ferriani, 1009 Plant Sciences Lab, 1201 S. Dorner Dr., University of Illinois, Urbana, IL 61801; (217) 244-5147

Indiana: Dr. Zachery Reicher, Dept. of Agronomy, Room 2, 446 Lilly Hall, Purdue University, West Lafayette, IN 47907; (317) 494-9737

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Kansas: Prof. Larry D. Leuthold, Horticulture Dept., Waters Hall, Room 227, Kansas State University, Manhattan, KS 66506-4002; (913) 532-6173

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