New vigorous-rooted, drought-tolerant

Turfgrass geneticists and breeders are continuing extensive research that, over the past 30 years, has bred grasses that are more resistant to disease and insects and have greater vigor to help crowd out weeds before they become well established, according to The Lawn Institute.

Many turfgrasses now have lower fertilizer requirements, develop deep roots that provide resistance to drought and stay green in color through the summer, and do not tend to build up thatch, according to Dr. Eliot Roberts, executive director of The Lawn Institute.

While 25 or more seed companies in North America and various land grant universities conduct research to improve seeds, the National Turfgrass Evaluation Program sponsored by the U.S. Department of Agriculture evaluates lawngrass at experiment stations across the United States.

From its Beltsville (Md.) Agricultural Research Center, the program evaluates and reports on each variety in the form of turf scores. Average scores are computed for all locations and individual scores are reported from each local test site.

Turfgrass specialists at state land grant universities have access to this information as do those who formulate lawn seed blends and mixtures. County agricultural agents can also provide information on which grasses grow best in their area.

Roberts says more than 300 varieties of improved grasses are being evaluated for lawn and turf purposes, and "these are all

Following is an alphabetical list of North American turfseed firms:

A. Ertag, Inc.
P.O. Box 4127
Jersey City, NJ 07304-0217
201-332-2570
Circle#147

Adams-Briscoe Seed Co.
P.O. Box 18
Jackson, GA 30233
404-775-7826
Circle#101

Adelphi All-Star
Rte. 2, Box 402
Post Falls, Idaho 83854
208-773-7581
Circle#280

Afton Seed Co.
118 N. 5th St.
Winterset, IA 50273
515-462-1270
Circle#103

Ag Seeds, Inc.
Hwy. 94 South
Carthage, IL 62321
217-357-3994
Circle#104

Agra Tech Seeds, Inc.
P.O. Box 2210
Atlanta, GA 30301
404-393-5411
Circle#105

Agway, Inc.
Box 4741, 333 Butternut Drive
Syracuse, N.Y. 13221
315-449-6682

Circle#102
Ainsworth Seed Co.
R.R.1, Box 153
Mason City, IL 62664
217-482-3281
Circle#107

Alex Rohoza
R.D. 4, Box 97
Sewickley, PA 15143
412-266-4138
Circle#307

Allwestern Seeds, Inc.
P.O. Box 1688
Albany, OR 97321
503-926-9329
Circle#106

Amcorn Hybrids-Amturf Seeds
1093 129th Ave.
Bradley, MI 49311
616-792-2241
Circle#108

Americana Seeds, Inc.
1600 Oregon St.
Muscatine, IA 52761
319-264-4315
Circle#109

Ampac Seed Co.
P.O. Box 651, 32727 Hwy. 99E
Tangent, OR 97389
503-928-1651
Circle#110

Anderson Seed Co., Inc.
Box 1017
Lamar, CO 81052
719-336-2226
Circle#111

Andrews Seed Co.
580 S. Oregon St.
Ontario, OR 97914
503-889-9109
Circle#112

Arizona Processing, Inc.
Box 1423
Brawley, CA 92227
619-344-1767
Circle#113

Arkansas Valley Seed Co.
4625 Colorad Blvd.
Denver, CO 80216
303-320-7500
Circle#114

Arnold-Thomas Seed Service, Inc.
R.R.1, Box 426
Lowden WA 99360
509-529-4580
Circle#115

Arrow Seed Co., Inc.
P.O. Box 722
Broken Bow, NE 68822
308-872-6826
Circle#116

Asgrow Seed Co.
7000 Portage Rd., 9510 190-47
Kalamazoo, MI 49001
616-385-6671
Circle#117

Balden Seed Brokerage
1675 E. Seminole, Suite K-600
Springfield, MO 65804
417-881-6669
Circle#118

Bamert Seed Co.
R.R. 3, Box 1120
Muleshoe, TX 79347
806-272-5506
Circle#119

Barenbrug U.S.A.
P.O. Box 159
Imbler, OR 97841
503-963-2842
Circle#121

Beauty Lawn Zoysia
603 Union Rd.
Lebanon, OH 45036
513-293-9331
Circle#288

Brett-Young Seeds, Ltd.
Box 99, St. Norbert Postal Station
Winnipeg, Manitoba
Canada R3V 1L5
204-261-7932
Circle#124

Browning Seed, Inc.
Box 1836
Plainview, TX 79072-1836
806-293-5271
Circle#125

C.M. Volkman & Co.
1040 22nd Ave.
Oakland, CA 94606
415-261-7780
Circle#270

Cactus Seed Co., Inc.
R.R. 1, Box 54
Roll, AZ 85347
602-785-9605
Circle#127

Carl West Seeds
Box 1428
Woodland, CA 95695
916-666-3331
Circle#128

Cascade International Seed Co.
P.O. Box 4230
Salem, OR 97302
503-364-4689
Circle#129

Caudill Seed Co.
1201 Story Ave.
Louisville, KY 40206
502-583-4402
Circle#130

Cayote Seed Mills, Inc.
Box 16
Bridgewater, SD 57319-0016
605-729-2511
Circle#136

Clyde Robin Seed Co.
25670 Nickel Pl.
Hayward, CA 4545
415-785-0425
Circle#226

Commercial Seed Exchange, Ltd.
4833 River Rd. N.
Salem, OR 97303
503-390-6600
Circle#133

Conlee Seed Co.
P.O. Box 23219
Waco, TX 76702-3219
817-772-5680
Circle#134

Cooperative Federee Du Quebec
1055, Rue du Marche Central
Montreal, Canada H4N 1K3
514-384-6450
Circle#135

Curtis & Curtis, Inc.
Start Rt., Box 8A
Clovis, NM 88101
505-762-4759
Circle#137

D. Landreth Seed Co.
180-188 W. Ostend St., P.O. Box 6426
Baltimore, MD 21230
301-727-3922
Circle#187

Daehnfeldt, Inc.
P.O. Box 947
Albany, OR 97321
503-928-5868
Circle#139

Dear Swift Seed Co.
P.O. Box B
Jaroso, CO 81138
719-672-3739
Circle#283

Deer Creek Seed
P.O. Box 105
Ashland, WI 54806
715-278-3200
Circle#140

Diener Bros., Inc.
R.R. 1, Box 16A,
Reynolds, IN 47980
219-984-5837
Circle#142

E.F. Burlingham & Sons
P.O. Box 217
Forest Grove, OR 97116
503-357-2141
Circle#126

Eckroat Seed Co.
P.O. Box 17610
Oklahoma City, OK 73136
405-427-2484
Circle#144

Embro Seed Co., Inc.
P.O. Box 247
Wright City, MO 63390
314-745-3741
Circle#145

Ernst Crownvetch Farms
R.D.5, Box 806
Meadville, PA 16335
814-425-7376
Circle#146

F.R. Smith Seeds, Ltd.
25 Bertal Rd., Unit #1
Toronto, Ontario
Canada M6M 4M7
416-762-0422
Circle#247

Far West Commodities
P.O. Box 10945
Eugene, OR 97440
503-683-8010
Circle#149

Farmers Co-op Seed Plant Ltd.
Box 579
Rivers, Manitoba
Canada R0K 1X0
204-328-5346
Circle#150

Farmers Marketing Corp.
P.O. Box 20947
Phoenix, AZ 85036
602-437-4058
Circle#151

Ferry-Morse Seed Co.
P.O. Box 4938/555 Codoni Ave.
Modesto, CA 95354
209-579-7333
Circle#152

Firstline Seeds, Inc.
Rte. 3, Box 48
Moses Lake, WA 98837
509-765-1772
Circle#153

Foster's Seed & Feed
Box 210
Beaverlodge, Alberta
Canada T0H 0C0
403-354-2107
Circle#154

Francis Mayer Seed Co., Inc.
P.O. Box 72
Princeton, NJ 08542
609-896-3200
Circle#194

Frye Hybrids, Inc.
P.O. Box 219
Bassett, NE 68714
402-684-3332
Circle#155

Funk Seeds International
1300 W. Washington St.,
P.O. Box 2911
Bloomington, IL 61702-2911
Circle#156

Garden Aid
1840 Howell Ave.,
P.O. Box 17298
Dayton, OH 45417
513-268-1212
Circle#157

Garfield Williamson, Inc.
9 Stewart Pl.
Fairfield, NJ 07006
201-882-7755
Circle#158

Garrison Seed & Co., Inc.
P.o. Drawer 2420
Hereford, TX 79045
806-364-0560
Circle #281

Geo W. Hill & Co., Inc.
8010 Dixie Hwy.
Florence, KY 41042
606-371-8423
Circle#171

Geo, Keller & Sons Co.
909 Maine, P.O. Box 490
Quincy, IL 62306
217-228-6700
Circle#180

George Warner Seed Co.
120 S. Lawton, Box 1448
Hereford, TX 79045
806-364-4470
Circle#271

Globe Seed & Feed Co.
P.O. Box 445
Twin Falls, ID 83301
208-733-1373
Circle#160

Grassland West Co.
P.O. Box A
Culdesac, ID 83524
208-843-2080
Circle#161

Great Western Seed Co.
P.O. Box 387, 810 Jackson St.
Albany, OR 97321
503-928-3100
Circle#162

Green Gem Bluegrass Growers Assn.
607 Great Western Building
Spokane, WA 99201
509-624-9263
Circle#164

Green Seed Co.
P.O. Box 1678
Gallatin, TN 37066
615-452-4500
Circle#165

Griswold Seed Co.
749 N Street,
P.O. Box 81466
Lincoln, NE 68501
402-474-5555
Circle#166

H & H Seed Co., Inc.
P.O. Box 1688, 1835 9th St.
Yuma, AZ 85364
602-783-7821
Circle#167

Haldeman Seed Co.
P.O. Box 130
La Belle, MO 63447
816-462-3232
Circle#168

Hansmeier & Son, Inc.
P.O. Box 136
Bristol, SD 57219
605-492-3611
Circle#169

International Seeds, Inc.
P.O. Box 168, 820 1st St.
Halsey, OR 97348
503-369-2251
Circle#173

J.M. Schultz Seed Co.
105 Pine St.
Dieterich, IL 62424
217-925-5212
Circle#236

Jacklin Seed Co.
W. 5300 Jacklin Ave.
Post Falls, ID 83854
208-773-7581
Circle#174

Jess & Co., Inc.
E. 1604 Holyoke
Spokane, WA 99207
509-489-6290
Circle#175

John Snow Seed Co.
P.O. Box 294
Salinas, CA 93902
408-758-9869
Circle#249

John Zuelzer & Son
P.O. Box M, 390 Plandome Rd.
Manhasset, NY 11030
516-365-3113
Circle#276

John Zuelzer & Son Canada Ltd.
P.O. Box 990
Carberry, Manitoba
Canada R0K 0H0
204-834-3113
Circle#277

Johnston Seed Co.
P.O. Box 1392
Enid, OK 73702
405-234-6944
Circle#308

Jonathan Green & Sons, Inc.
P.O. Box 326
Farmingdale, NJ 07727
201-938-7007
Circle#163

K-F Seeds
Div. of Fifield Land Co.,Inc.
4307 Fifield Road
Brawley, CA 92227
619-344-6391
Circle#178

Kamprath Seed Co.
P.O. Box 2162
Bakersfield, CA 93303
805-831-3456
Circle#179

Ketchum Seeds, Inc.
P.O. Box 126
Waupaca, WI 54981
715-258-6001
Circle#182

L.L. Olds Seed Co.
2901 Packers Ave.,
P.O. Box 7790
Madison, WI 53707-7790
608-249-9291
Circle#210

Labon, Inc.
1350 Newton
Boucherville, Quebec
Canada J4B 5H2
514-641-1050
Circle#183

Lagomarsino Seeds, Inc.
5675-A Power Inn Rd.
Sacramento, CA 95824
916-381-1024
Circle#184

Landis Seed West Ltd.
5775 S.W. Jean Rd., Suite 203
Lake Oswego, OR 97035
503-635-3766
Circle#185

Landiseed International
5775 S.W. Jean Rd., Suite 203
Lake Oswego, OR 97035
503-635-3766
Circle#186

Lesco, Inc.
20005 Lake Rd.
Rocky River, OH 44116
216-333-9250
Circle#188

Lewis Seed Co., Inc.
130 North Spring St.
Louisville, KY 40206
502-587-1241
Circle#189

Lincoln Seed & Feed Co.
P.O.Box 3528
Sioux City, IA 51102
712-255-1652
Circle#190

Lockhart Seeds, Inc.
3 N. Wilson Way
Stockton, CA 95201
209-466-4401
Circle#282

Lofts, Inc.
P.O. Box 146
Bound Brook, N.J. 08805
201-356-8700
Circle#289

Louisville seed Co.
P.O. Box 3128
Louisville, KY 40203

and disease-resistant grasses bred

better varieties, in one way or another, than those in use 40 years ago."

Which type is best?

Cool-season grasses are usually recommended for the northern tier of the United States because they green up sooner in the spring and stay green, longer in the fall than other grasses, says Roberts.

Zoysiagrass and bermudagrass are used through much of the "transition zone" between the North and South, even though their growth period is shortened by cool spring and fall weather.

"In these instances, their increased tolerance of summer heat and drought stress make them more reasonable to maintain," Roberts says.

In more northern locations, he says, bermudagrasses not only have a short growing season but also are likely to winter kill. Zoysiagrasses are more winter-hardy but growth is restricted to the frost-free period.

Thus, in selecting a grass, he says that bluegrasses, fine fescues, perennial ryegrasses, tall fescues and colonial bentgrasses will provide longer periods of green turf in the North.

"These same grasses are adapted to fall, winter and spring conditions in the transition zone and upper South. But they suffer from hot summer conditions, and are increasingly difficult to keep healthy as one moves further south," Roberts says. "Zoysiagrass and bermudagrass are used effectively in these locations."

502-584-4181
Circle#191

Mangelsdorf Seed Co.
Box 327
St. Louis, MO 63166
314-421-1415
Circle#193

Michael-Leonard, Inc.
P.O. Box J
Grant Park, IL 60940
815-465-2121
Circle#196

Miller Seed & Supply Co., Inc.
P.O. Box 587
York, NE 68467
402-362-5516
Circle#197

Morrow Grain Co., Ltd.
Suite 340-1333 Johnston St.
Vancouver, B.C.
Canada U6H 3R9
604-688-2755
Circle#199

Mount Emily Seeds, Inc.
P.O. Box 159
Imbler, OR 97841
503-963-2842
Circle#200

NAPB
(Nickerson American Plant Breeders)
5201 Johnson Drive
Mission KS 66201
913-384-4940
Circle#202

Newfield Seeds, Ltd.
Box 100
Nipawin, Saskatchewan
Canada S0E 1E0
306-862-3355
Circle#201

Normarc, Inc.
P.O. Box 238
Tangent OR 97389
503-926-5801
Circle#203

North American Green
14649 Hwy. 41 N.
Evansville IN 47711
812-867-6632
Circle#287

Northrup King Co.
P.O. Box 1827
Gilroy CA 95021
408-847-4242
Circle#204

Northrup King Co.
Medalist Turf Products
P.O. Box 959
Minneapolis MN 55440
612-593-7333
Circle#205

Northrup King Seeds, Ltd.
P.O. Box 20
Ft. Saskatchewan, Alberta
Canada T8L 3T2
Circle#206

Northwest Seed Service Co.
P.O. Box 874
Albany OR 97321
503-926-6300
Circle#207

Northwood Farms, Inc.
E. 1604 Holyoke
Spokane WA 99207
509-489-6290
Circle#208

NPI (Native Plants, Inc.)
417 Wakara Way
Salt Lake City UT 84108
801-582-0144
Circle#278

NPI Seed, Inc., Oregon Division
5240 Gaffin Rd. S.E.
Salem OR 97301
503-581-8899
Circle#279

O.M. Scott & Sons Co.
Marysville OH 43041
513-644-0011
Circle#238

Oregon Ryegrass Growers
Seed Commission
P.O. Box 3366
Salem OR 97302
503-364-3346
Circle#211

Oseco, Inc.
P.O. Box 219
Brampton, Ontario
Canada L6V 2L2
416-846-5080
Circle#212

Otto Pick & Sons Seeds, Ltd.
Box 126
Richmond Hill, Ontario
Canada L4C 4X9
416-884-1147
Circle#218

Pacific Southwest Seed & Grain, Inc.
P.O. Box 5540
Yuma AZ 85366-5540
602-782-2571
Circle#213

Parsons & Sons, Inc.
R.R.1, Box 214
Wellborn FL 32094
904-963-2221
Circle#215

Parsons Seeds, Ltd.
P.O. Box 280
Beeton, Ontario
Canada L0G 1A0
416-729-2202
Circle#214

Peace River Seed Co-op, Ltd.
Box 40
Rycroft, Alberta
Canada T0H 3A0
403-765-3800
Circle#216

Peterson Seed Co.
Box 346
Savage MN 55378
612-445-2606
Circle#217

Pickseed West, Inc.
P.O. Box 888
Tangent OR 97389
503-926-8886
Circle#219

Reeds Seeds, Inc.
1035 Industrial Road,
P.O. Box 130
Chillicothe MO 64601
816-664-4426
Circle#223

Research Seeds, Inc.
P.O. Box 1393
St. Joseph MO 64506
816-238-7333
Circle#224

Richardson Seed Co., Ltd.
4055 McConnell Dr.
Burnaby, British Columbia
Canada V5A 3A7
604-420-3437
Circle#225

Robson Seed Farms Corp.
One Seneca Circle
Hall NY 14463-0270
716-526-6396
Circle#227

Roswell Seed Co., Inc.
115-17 S. Main St.,
P.O. Box 725
Roswell NM 88202-0725
505-622-7701
Circle#229

Rothwell Seeds, Ltd.
P.O. Box 511
Lindsay, Ontario
Canada K9V 4S5
705-324-9591
Circle#230

Royal Seeds, Inc.
1212 W. 8th St.
Kansas City MO 64101
816-842-6830
Circle#231

S & S Seeds
P.O. Box 1275
Carpinteria CA 93013
805-684-0436
Circle#232

Sam Savage Seeds, Inc.
P.O. Box 368
Yalaha FL 32797
904-728-3600
Circle#235

Saskatchewan Wheat Pool
2625 Victoria Ave.
Regina, Saskatchewan
Canada S4T 7T9
306-569-4454
Circle#233

Saunders Seed Co., Inc.
101 West Broadway
Tipp City OH 45371
513-667-2313
Circle#234

Seed Corporation of America
P.O. Box 27174
180 W. Ostend St.
Baltimore MD 21230
301-685-6900
Circle#239

Seed Research of Oregon, Inc.
644 S.W. 13th St.
Corvallis OR 97333
503-757-2663
Circle#241

Seed-link
P.O. Box 217
Lindsay, Ontario
Canada K9V 5Z4
705-324-0544
Circle#240

Seeds Unlimited, Inc.
590E Brunken Ave.
Salinas CA 93901
408-422-3110
Circle#242

Segrest Seed Co.
P.O. Box 339
Slocomb AL 36375
205-886-2371
Circle#243

Sharp Bros. Seed Co.
P.O. Box 140
Healy KS 67850
316-398-2231
Circle#245

Siler Seed, Inc.
Rt. 2 Box 200
Weston MO 64098
816-386-2446
Circle#246

Smith Seed Services
P.O. Box 195
Halsey OR 97348
503-369-2831
Circle#248

Sommer Bros. Seed Co.
Box 248
Pekin IL 61554
309-346-2127
Circle#251

Southern States Cooperative
6606 West Broad Street,
P.O. Box 26234
Richmond VA 23620
804-281-1253
Circle#252

Southwest Seed, Inc.
13260 CR 29
Dolores CO 81323
303-565-8722
Circle#253

Speare Seeds, Ltd.
Box 171, 84 William Street
Harriston, Ontario
Canada N0G 1Z0
Circle#254

Stanley Seed Co., Inc.
767 S. 5th St., P.O. Box 1340
Brawley CA 92227
619-344-2191
Circle#255

Stock Seed Farms, Inc.
R.R.1, Box 112
Murdock NE 68407
402-867-3771
Circle#256

Swede Johnston Co.
P.O. Box 296
Albany OR 97321
503-928-0011
Circle#177

Sweeney Seed Co.
110 South Washingtron St.
Mt. Pleasant MI 48858
517-773-5391
Circle#258

Tee-2-Green Corp
P.O. Box 250
Hubbard OR 97032
503-981-9571
Circle#259

The Chapin Company
P.O. Box 385
Omro WI 54963-0385
414-685-27651
Circle#132

The Chas C. Hart Seed Co.
304 Main St., P.O. Box 9169
Wethersfield CT 06109-9169
203-529-2537
Circle#170

The Sexauer Co.
P.O. Box 58
Brookings SD 57006-0058
605-692-6171
Circle#244

The Wax Co., Inc.
P.O. Box 60
Amory MS 38821
601-256-3511
Circle#272

Turf Merchants, Inc.
33390 Tangent Loop
Tangent OR 97389
503-926-8649
Circle#260

Turf Seed, Inc.
P.O. Box 250
Hubbard OR 97032
503-981-9571
Circle#261

United AgriSeeds, Inc.
P.O. Box 401
Champaign, IL 61820
217-373-5300
Circle#262

United Grain Growers
, Ltd.-Seed Div.
P.O. Box 6030 Station C,
7410 120th Ave.
Edmonton, Alberta
Canada T5B 4K5
403-479-2051
Circle#263

United Seeds, Inc.
75th and Burlington St.,
P.O. Box 27322
Omaha, NE 68127
402-331-4800
Circle#264

Valley Seed Co.
P.O. Box T
Casa Grande, AZ 85222
602-836-8713
Circle#265

Van der Have Oregon, Inc.
P.O. Box 1496
Albany, OR 97321
503-967-8923
Circle#267

Vaughan's Seed Co.
Chimney Rock Road
Bound Brook, NJ 08805
Circle #268

Willamette Seed Co.
220 N. Jefferson,
P.O. Box 791
Albany, OR 97321
503-491-3675
Circle#274

Winrock Grass Farms, Inc.
P.O. Box 3437
Little Rock, AR 72203
800-225-0303
Circle#286

Wm. K. Wiley & Co.
P.O. Box 229
Lake Oswego, OR 97034
503-636-3697
Circle#273

Association gives direction for turfgrass sodding

The booklet "Guideline Specifications to Turfgrass Sodding" is one of several available from the American Sod Producers Association at 1855-A Hicks Road, Rolling Meadows, Ill. 60008.

"Guideline Specifications" — costing $2 — is designed for home or commercial use rather than golf courses, basically because of the size of the area and because of transportation times.

"Turf Installation Guide," a four-color brochure that provides a step-by-step approach to sod installation, is available at a cost of $75 for a minimum order of 500.

"Tech Sheets," which costs $15 for a minimum order of 500 of any single variety, gives concise descriptions of specifications and maintenance recommendations for Bermudagrass, bluegrass, centipedegrass, fine fescue, tall fescue, ryegrass, St. Augustinegrass and Zoysia grass.

E-Z-GO celebrates 35th anniversary

E-Z-Go Textron golf car and utility vehicle manufacturer of Augusta, Ga., has celebrated its 35th birthday.

E-Z-Go is a major producer of golf cars and turf vehicles and vehicles for industry and commercial markets as well as a line of private golf cars.

B.F. Dolan, president and chief executive officer of Textron, Inc., and his brother, Billy Dolan, founded the company in June 1954.

They started in a one-room machine shop and in 1960 they acquired Textron, which is today housed on a 40-acre site with buildings adding up to almost 500,000 square feet and employing over 1100 people.

Rain Bird names new distributor

The H.V. Carter Company Inc. has been named exclusive distributor for the Rain Bird line of golf course irrigation products in the Northern California coastal region. Rain Bird of Glendora, Calif., is one of the world's largest manufacturers of irrigation equipment.

The Carter Company has been in business for over 71 years and is a full service supplier of Jacobson and many major lines of turf equipment for golf courses and commercial and light commercial projects.

Carter's irrigation division, managed by Thomas C. Jackson, will be responsible for Western California from Monterey to the Oregon border.

Baird moves offices

Golf course architect Gary Roger Baird has expanded and relocated his Nashville, Tenn., office.

Baird is now headquartered at 2505 Hillsboro Road, Suite 301, Nashville 37212.