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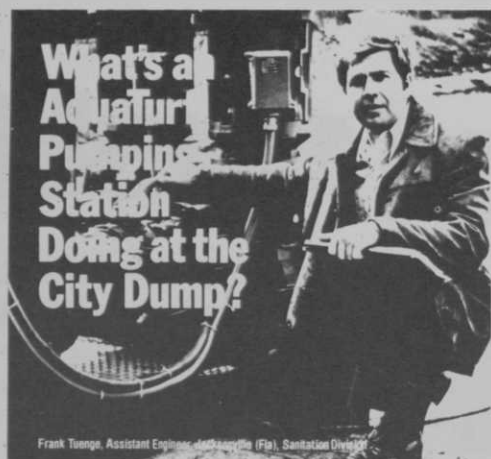
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Frank Tuenge, Assistant Engineer, Jacksonville (Fla.) Sanitation Division

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Reading

By Dan McNamara, HHH Horticultural
Westcott's
Plant Disease Handbook

Cynthia Westcott, revised by R. Kenneth Horst, Ph.D. New York. 1979. Fourth Edition. 803 pp. \$32.50.

The fourth edition of this old standard is a badly needed updating. It follows very closely the format of the previous editions, and is no harder (nor easier) to use than they were. There is a good section on commercially available chemicals—more up-to-date than might have been expected for such a weighty undertaking, and including a few which had not yet been released when this edition was printed. Where common names have been given by the American Standards Association, those have been used; where no official common name has been assigned, the trade name has been used. A few of the chemicals on the list are now discontinued, but some stocks may still be available for use.

The two main sections of the book, as in the past, are quite comprehensive lists of, first, plant diseases classified by types—as anthracnose, blackspot, leaf blister, rots, rusts, and virus diseases—and, second, a list of host plants—mostly by common name, except where the botanical name would eliminate some chance of confusion. A few new host plants have been added to the list, and many newly reported diseases, as well as previously known ones, now reported on new hosts, are included. Some photographs have been replaced, and a few color plates have been added. A few name changes in the bacteria, fungi and mistletoes appear. The sections on virus diseases, though cursory, explains many of the changes in thought on virology which have appeared in recent years.

Not by any means a panacea for all ills, this volume at least gives the non-pathologist a chance to identify the plant disease he is confronted with at the moment. Even with the aid of such a tome as this, plant disease identification is difficult—without it, the task is impossible. There is not a golf course superintendent, landscape architect, florist, nurseryman, seed and fungicide dealer, pesticide applicator, arborist, cooperative extension agent or specialist, plant pathologist, horticultural consultant, or gardener who will not find this book not just a valuable aid, but a good investment. You can't spray for it if you don't know what it is!

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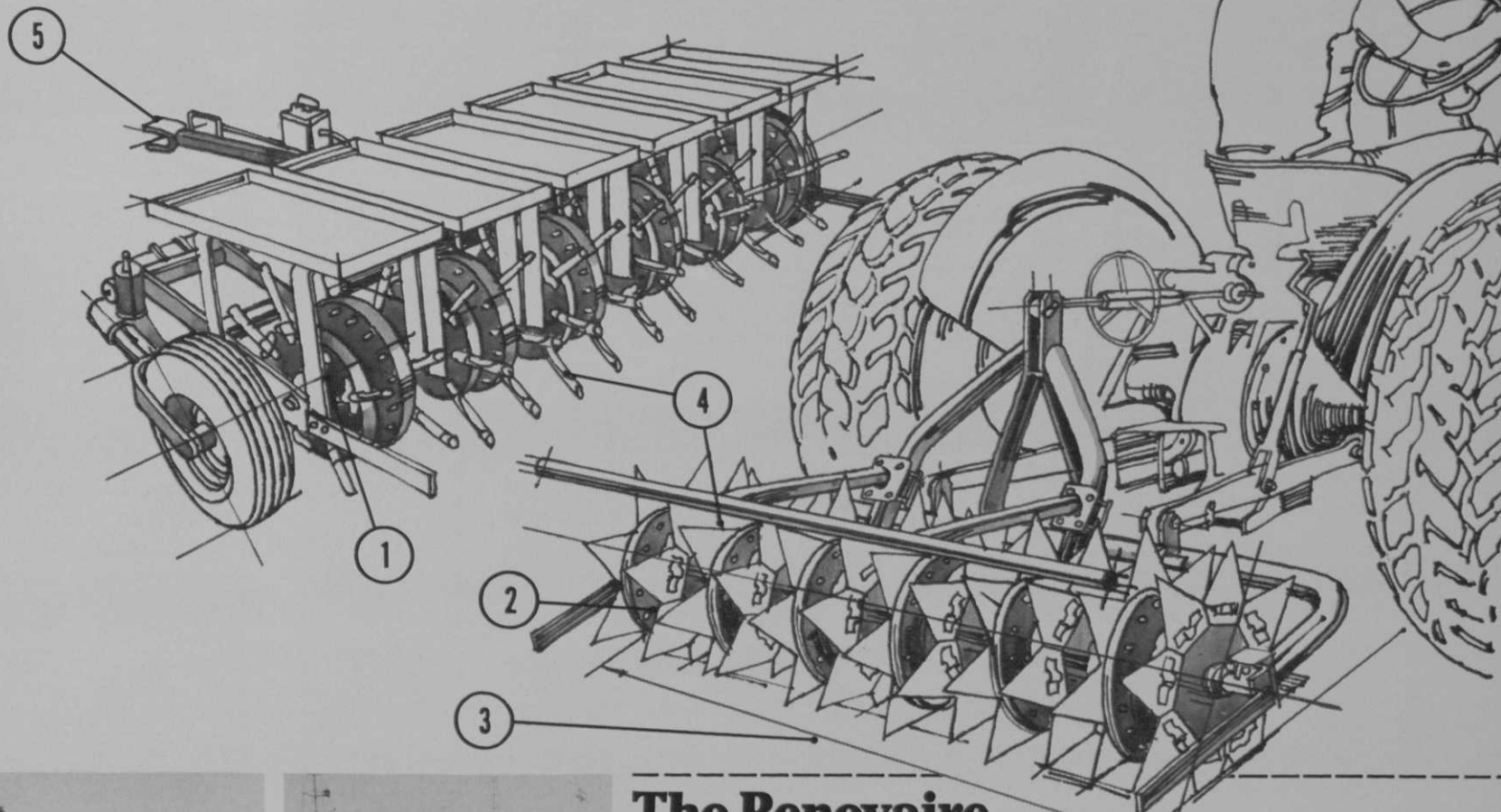
caire's 12 tine wheels are kept in horizontal alignment. So athletic fields and other wide, flat turf areas are aerated properly; (3) Both aerators give you a six-foot swath, and can work at speeds up to 10 mph to get the job done fast; (4) Interchangeable tines—coring, slicing or open spoon—let you aerate according to soil conditions; (5) Both models mount on any tractor hitch.

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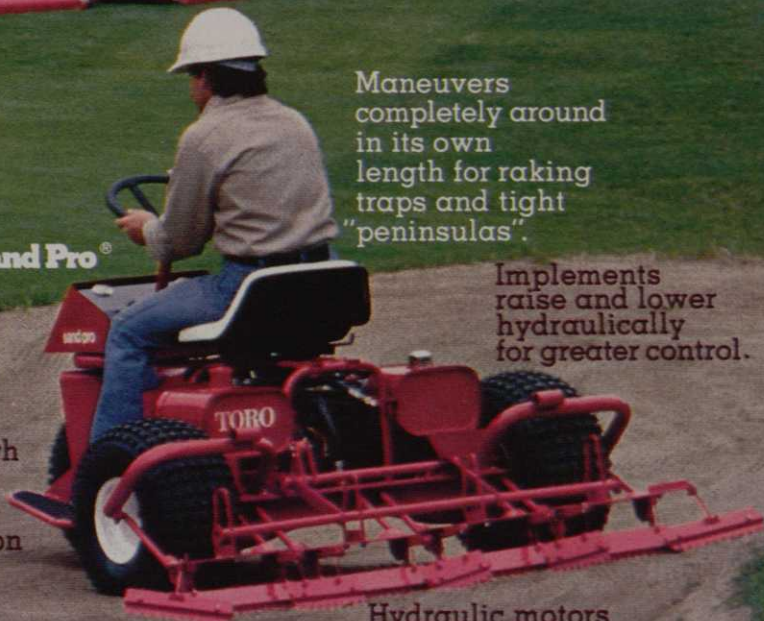
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The value of executive courses

A wise use of available land

By William W. Amick, Golf Course Architect

Bill Amick is a golf course architect working out of Daytona Beach. In the past 20 years he has designed and remodeled more than 50 fine golf courses. A majority of these courses are in Florida and two are used annually for PGA Tour tournaments. Bill is a registered Florida Landscape Architect and a past president of the American Society of Golf Course Architects. Recently he gave presentations at the Florida Turf-Grass Association Conference in Tampa and the Florida Golf-week's Golf Course Management Seminar at Cypress Gardens.

Why a golf course?

Golf has been growing as a recreational attraction in America since the late 19th century. More courses have created more golfers, who in turn have had more money and time for the game.

Though still competing with other sports and fads, golf will keep on growing in our society. Some reasons why:

- * Golf is the game of a lifetime, for men and women, ages 9 to 90. Singles, couples, friends and families all can play. The market potential is almost unlimited.
- * Playing golf is healthy, outdoor exercise, but not too strenuous — just what the doctor ordered.
- * Each golf course environment is unique, unlike any other of 12,000 courses in the U.S. and 20,000 worldwide. No two holes are alike. There is always a new view and a new challenge.
- * The challenge of competing against oneself, other players and nature at the same time has special drawing power. There is no such thing as a perfect game—but the fun is in trying.
- * A golf course brings alive and preserves from 20 to 300 acres of

green open space. The clean environment is a joy for all, especially in an urban setting.

That is why about 1 of every 15 Americans play golf. That is why any place people live or visit—cities and towns, resorts and “new community” developments—is incomplete without one or more fine golf courses. Golf is a pleasure, and can be a successful investment.

Choosing a concept

Until the 1970s golf courses were generally defined as one of two types, regulation and par-3. Now there is more.

The so-called regulation or full-length type usually covers 120-160 acres, stretches 6000 to more than 7000 yards, and for men plays to a par of 70 to 73 for 18 holes. Most 9-hole courses use 50 to 80 acres, play 3000-35000 yards, par 34-37.

The par-3 course has always had all or all but one short par-3 holes, laid out on 30 to 60 acres for 18 holes, as little as 10 acres for 9 holes. A good beginner's training ground, the par-3 is often boring to most golfers.

But in this decade a different golf course concept is taking over. The new answer where land is at premium, development costs are rising and more golfers want to play is the “challenge” — also called short, mid-length or executive — course.

The challenge type combines the best features of full-length and par-3 courses. It offers a mix of par-3 and par-4 holes, each unique, rarely a par-5. Accuracy is the prime requirement, strength is not. The lures are variety and beauty.

For an 18-hole challenge course the length may total 3500 to 5000 yards, par range 60 to 65, taking no more than 75

to 100 acres. For 9 holes, you could cut those in half.

The National Golf Foundation, trade association of the golf industry, reports that there are nearly 600 such courses in the U.S. Florida has the most 18-hole mid-length courses and is a close second to California in grand total. More than 75% are privately-owned, open to the public, profit motive facilities. Almost 20% of all new courses and 15% of course additions that opened in 1978 were this shorter type.

The trend is becoming stronger, and popular demand plus economics are the reasons.

Using land wisely

Land in acreages large enough for golf is usually in short supply and/or expensive, at least near populated areas.

If a golf facility is needed, desired or important to the total land plan, we must try to make the best possible use of the space available. Thus the shorter, challenge type design is an excellent solution.

A shorter course, whether 9 or 18 holes, provides the most golf for the widest range of golfers, if properly designed. Normally we can save about one-third of the acres compared with a “championship” length course. That automatically builds in these advantages for an ownership:

- * If more than one site is available, the choice is widened. A daily fee course investor, local government or residential community developer may be able to build closer to the population market or high traffic roads.
- * Fewer long, wide fairways are needed on a challenge course. So a course can still fit on a rough, or odd-shaped site, if necessary.
- * Total cost of the land will be less, all other factors being equal. In the case of a developer wanting homesites to sell, he can save money on golf course land while freeing more acres for housing.
- * Fewer acres for golf means less to clear, grade and plant, and cover with an underground irrigation system. That means a construction budget savings of 20-25% alone.
- * Less acres of golf course means a smaller operating budget in the future.

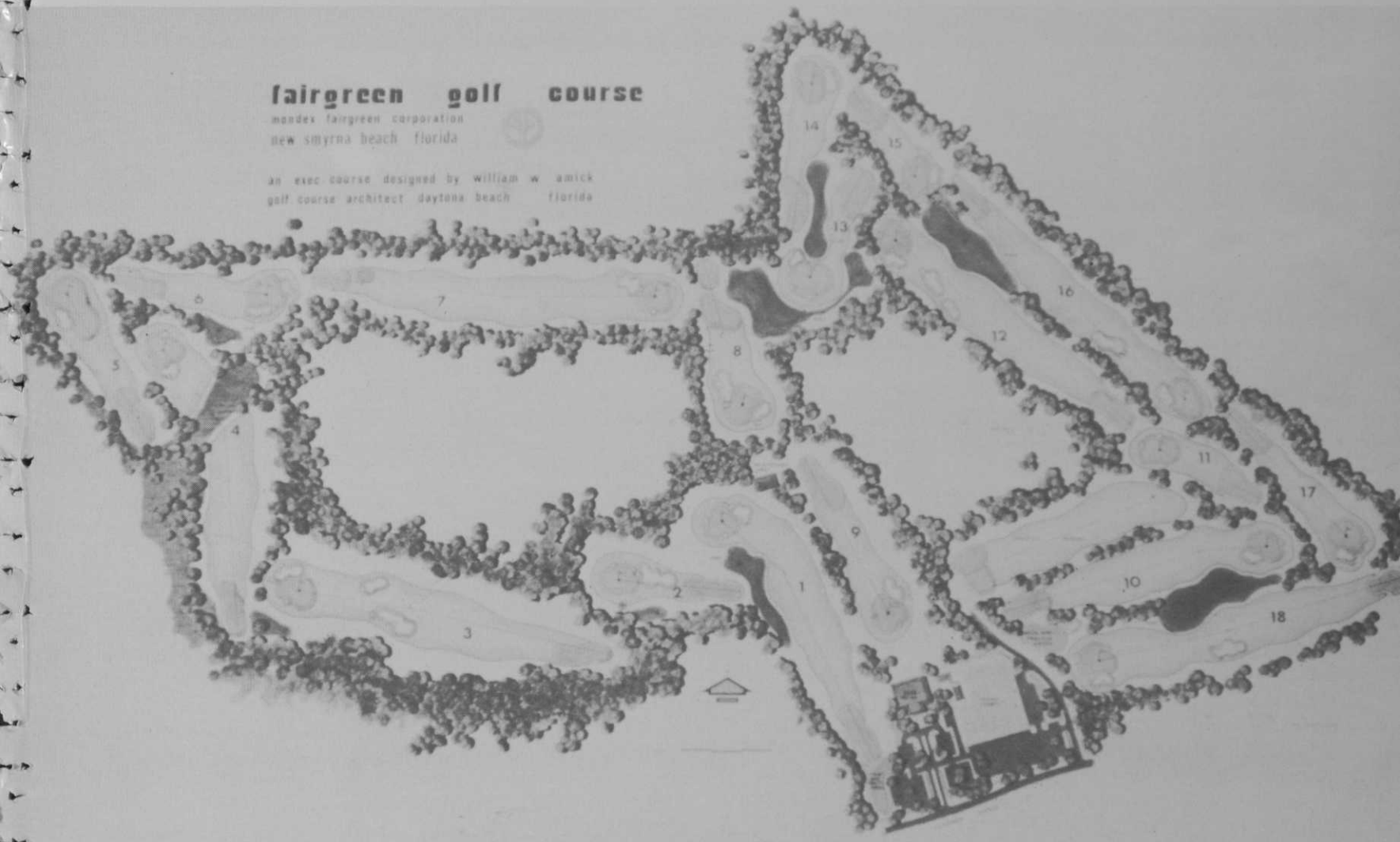


The layout of an executive course is impressive. The only difference is the fairways are shorter.

fairgreen golf course

mondex fairgreen corporation
new Smyrna beach florida

an exec course designed by william w amick
golf course architect daytona beach florida



Design for challenge

To attract and keep customers a golf course should meet many criteria. It must first be located in a market with a need, or create a demand by meeting or beating the competition.

Quality of maintenance is important. So is competent, public-relations-minded management. But thoughtful, creative design is what makes a golf course really special.

In design a fine golf course or golf hole should have:

- * Eye Appeal - The esthetic values of harmony, proportion, balance, rhythm and emphasis, a thing of beauty, just like art, printing or photography.
- * Shot Values - Be fair to play for golfers of all abilities and strength, sensible length vs. par, no blind shots from tee to landing zone and approach to green, and adequate safety space between holes.
- * Easy Maintenance - The best grasses for the climate area. Playing areas easily mowed by riding machines. Golf car paths fit traffic flow and easily maintained. Irrigation system and water source are reliable. Drainage permits play even in wet weather.

Without such design, a golf course may not be a beauty but a beast—ugly, unpopular and a financial burden.

Golf is essentially a game of accuracy—controlling the ball. Moving it along for distance is necessary, but the art and challenge of shot-making is direction.

The challenge style of design focuses on direction by combining the most interesting values of the great golf courses. The goals are:

- * To reduce overemphasis on power or distance that discourages many average players or potential players, and return a balanced requirement for accuracy.
 - * To better test and challenge the long hitter without using excessive length or great amounts of land.
 - * To provide within the total golf course, on all holes, interest, challenge, fairness and beauty for the 95% of golfers who are not powerful and/or par shooters.
- How does the challenge style of design succeed?
- * By gradually tapering-in or narrowing tee-shot landing areas for long hitters on the par-4 and par-5 holes, leaving fairways normal width for average or short hitters.

- * By also pinching in with hazards, trees and/or rough the second shot landing areas for long hitters on par-5s.

- * By placing trouble close to or on one side of a green — sand, water, trees, steep slopes — leaving the opposite side of the green safe for the average golfer to come in.

On such a course the average golfer will easily stay short of trouble off the tee, and can shoot at an open, safe side of each green. Meanwhile the long-hitting, low-handicap player must aim to steer clear of hazards off the tee, or can play short, and go for the flag on the greens. Thus a golf course challenges everyone.

Attracting the golfers

Short, challenge-type courses have built-in appeal to nearly all ability levels of golfers — when located, designed, built, maintained, operated and priced right.

The challenge course is the right answer when land space is tight, or there are enough full-length courses but no mid-length courses, or there is a large senior-age population or tourist market.

Par-72, long courses have been built in many cases because of tradition,

because that was always the "standard". But even from the short set of tees such courses can be difficult and discouraging, boring and tiring. When golf is work and takes 5 hours for 18 holes, many golfers play just 9 holes, or stop playing.

But the shorter, challenge course is different. In many markets it would still be unique. A well-designed mid-length course, whether 9 or 18 holes, either by itself or added to a longer course, appeals to most golfers.

Many golfers are "casual"—old and young, men and women, experienced or beginner. They do not have great skill, and few will ever have. But they want fun, fresh air, companionship and at least some success on the golf course.

A short course can delight but seldom overwhelm such golfers. They can have a bad day and still score okay (82 sounds good, even if 20 over par on a par-62 course). Juniors, seniors and women who do not hit the ball far but do hit straight can rely on their skill. Proper design will ask for many different shots using many different clubs.

Instead of taking 4-5 hours for 18 holes a round on a short course should normally take 3 hours (1½ for 9). Busy people love it. Some will then play more often, and/or take more time practicing, relaxing and buying in the clubhouse.

These features that save money and build income mean that, in most situations, membership or green fees can be kept lower than the competition. Volume will make up the difference in the long run.

Short course successes

Golfer acceptance and the trend toward shorter courses was supported in a 1976 National Golf Foundation survey of privately-owned mid-length/executive course owners. Every course had been built since 1965 and every owner was satisfied with the decision to build and operate a short course.

Some typical comments:

"As the price of land continues to escalate, it is bound to become more popular . . ." — Florida.

"Maintenance expense much lower, overhead is much lower, return on investment is much better . . ." — Michigan.

"We have the course that will be enjoyed by more golfers than the longer ones, play in 3 hours or less, score good . . ." — Ohio.

"Players can start in evening and complete 18 holes, walk and carry bag, better for seniors and women . . ." —

Pennsylvania.

"We find that the golfers get success and have a better time because they score better. That's what it's all about . . ." — Utah.

This survey showed that the average 18-hole short course covers 60 acres, plays to par 62, almost 4000 yards. For 9, averages are 40 acres, par 31, 2000 yards. Median investment in these courses was just \$200,000. Every owner said he was making a profit. The typical market area had a population of 100,000 within 10 miles of the course.

One example of a successful mid-length course is Fairgreen Golf Course, New Smyrna Beach (near Daytona Beach), Florida.

The facility is owned and operated by private enterprise, Mondex Fairgreen, Inc. It is open to the public and located within a residential development, owned separately.

Course design was by Bill Amick. Construction began in early 1977, the course opened in early 1978, and hosted 26,000 rounds the first year of operation.

Fairgreen GC covers 95 acres and is easy to walk. Playing time averages about 3 hours for 18 holes. The 18 has 8 par-4 holes, 10 par-3 holes, each different. Par is 62, 4130 yards from men's tees, 3619 yards for women. The "challenge" concept of design uses sand bunkers, trees, water and mounds throughout.

The 18th hole is a good example. For men it plays 352 yards. A lake gradually moves into the right side of the fairway in the long-drive landing zone. On the left, 240 to 270 yards off the tee, is a fairway bunker (sand trap).

The course was cleared out of pine and palm woods. Water hazards were created by excavation and were the source of fill to contour the flat ground. Construction cost was \$475,000, a savings of at least \$175,000 if the course had been "championship" size.

Saving construction \$

Like everything else, construction costs for golf courses have increased in recent years. Quality is important for a golf course to build business.

Yet more than any other factor, size of golf course dictates cost. Developing a mid-length, challenge-type course enables ownership to save big money up front.

It's true that high-quality greens and tees are costly to build anywhere. Any fine golf course needs 10 or 19 each, the best that can be built. But a shorter course that emphasizes accuracy calls for smaller greens, up to 20% smaller

than we see on "big" courses. At \$1.50 per square foot, building smaller greens is a big savings.

On shorter holes fairways are neither as long, nor need they be as wide on a challenge course. Fewer acres means major savings when there is less to clear, fill, contour, prepare, plant, fertilize and irrigate. In warm climates especially, savings in less irrigation system can run to \$2000 per acre.

Each site and design concept is different, and would have a different budget. But there is no doubt that you can get an outstanding golf course for far less money with a mid-length, challenge design.

Saving operations \$

With a shorter challenge-type course, fewer acres of ground and smaller greens should allow economy in maintenance.

The typical course maintenance budget for a full-size facility can run \$100,000 to \$200,000 per year. Using the same standards, a short course can be maintained for perhaps 75% or less of those totals.

Any course needs a competent superintendent, major pieces of equipment and certain supplies. Beyond those, the savings add up.

The ratio of fairway acres between a short and long course might be 50-60%. There should be that much saving in mowing labor, fuel, fertilizer, chemicals and their application time. The same is true for irrigation water and/or pumping costs.

Or, for about the same budget as a longer course, ownership may choose to do a better job with more intense maintenance. A better-groomed course quickly gets a reputation for quality, the best of all advertising.

Either way, maintenance economy is a big plus for the mid-length course.

Another savings comes from lower property taxes. For every acre saved in design, there is a net return year after year in less property taxes. Multiply the average assessment per acre for golf courses or nearby open space land to figure the difference.

A wise decision on site selection and type of course in the early planning stage means many dollars gained or lost in all the golf seasons to come.

Downsizing for the future

Every advantage in originally designing and building a shorter, challenge-type course also apply to remodeling or shortening an older, full-length course.

The crush of suburbia or industry encircling an older course may make

Continues on page 29

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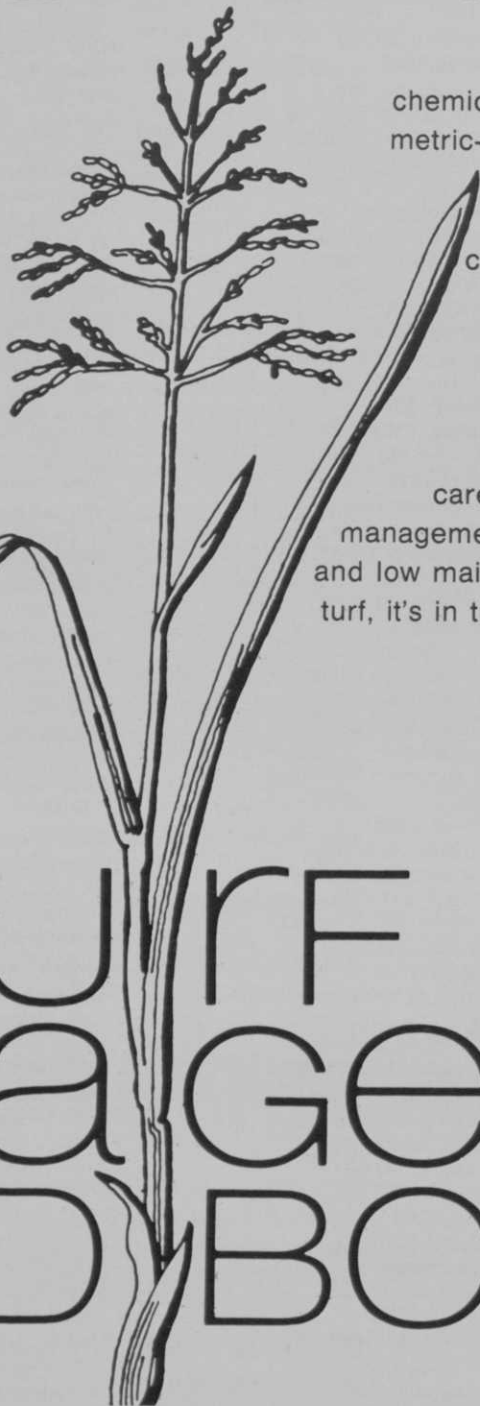
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P.O. Box 17185
San Antonio, TX 78217
512/654-7065

UTAH

Boyd Martin Co. (Ryan, Turf)

1260 West on North Temple
Salt Lake City, UT 84116
801/521-7202

VERMONT

Sawtelle Brothers, Inc. (Ryan, Turf)

565 Humphrey St. (Rt. 129)
P.O. Box 267
Swampscott, MA 01907
617/599-4856

VIRGINIA

Adams Equipment, Inc. (Ryan)

8001 Newell Street
P.O. Box 1085, Blair Station
Silver Spring, MD 20910
301/585-1322

Tennessee Turf & Toro Company (Ryan)

Forks of the River Industrial Park
2717 Independence Lane
Knoxville, TN 37914
615/522-1141

Richmond Power Equipment Co., Inc. (Ryan)

1904 North Hamilton Street
Richmond, VA 23230
804/355-7831

Baker Equipment Eng. Co., Inc. (Ryan)

404 Morris Street
P.O. Box 1947
Charleston, WV 25327
304/344-3441

G.L. Cornell Co. (Turf)

16031 Industrial Drive
Gaithersburg, MD 20760
301/948-2000

Porter Brothers, Inc. (Turf)

1005 East Dixon Blvd.
Shelby, NC 28150
704/482-3424

Rhodes Equipment Co., Inc. (Turf)

1085 Industrial Blvd.
Southampton, PA 18966
215/677-6000

WASHINGTON

Baltz & Son Company (Turf)

9817 East Burnside Street
Portland, OR 97216
503/256-1453

Sunset Northwest (Turf)

1919 - 120th Avenue, NE
P.O. Box 1558
Bellevue, WA 98009
206/455-5640

Audubon Sales, Inc. (Turf)

1329 North Ash Street
Spokane, WA 99201
509/325-2527

Oregon Toro Distributors, Inc. (Ryan)

9525 Commerce Circle
Wilsonville, OR 97070
503/682-2711

Turf & Toro Distributors, Inc. (Ryan)

20224 - 80th Avenue, South
Kent, WA 98031
206/535-9756

Inland Toro Distributors, Inc. (Ryan)

East 4001 Boone
P.O. Box 4509, Station B
Spokane, WA 99202
509/535-9756

WEST VIRGINIA

Adams Equipment, Inc. (Ryan)

8001 Newell Street
P.O. Box 1085, Blair Station
Silver Spring, MD 20910
301/585-1322

Krigger & Company, Inc. (Ryan, Turf)

3025 Babcock Blvd.
Pittsburgh, PA 15237
412/931-2176

Baker Equipment Eng. Co., Inc. (Ryan)

404 Morris Street
P.O. Box 1947
Charleston, WV 25327
304/344-3441

G.L. Cornell Company (Turf)

16031 Industrial Drive
Gaithersburg, MD 20760
301/948-2000

Porter Brothers, Inc. (Turf)

1005 East Dixon Blvd.
Shelby, NC 28150
704/482-3424

WISCONSIN

R.L. Gould & Co. (Ryan)

3711 North Lexington
St. Paul, MN 55112
612/484-8411

Reinders Turf Equip.-Irrig. Supplies (Ryan, Turf)

13400 Watertown Plank Road
Elm Grove, WI 53122
414/786-3300

Wisconsin Turf Equip. Corp. (Ryan, Turf)

1917 West Court Street
P.O. Box 708
Janesville, WI 53545
608/752-8766

Cushman Motor Company, Inc. (Turf)

2909 East Franklin Avenue
Minneapolis, MN 55406
612/333-3487

Horst Distributing, Inc. (Turf)

444 North Madison Street
Chilton, WI 53014
414/849-2341

WYOMING

Golf Carts, Inc. (Turf)

4200 Monroe Street
Denver, CO 80216
303/3998455
Turf-Aid Distributing Co. (Turf)
2105 South 56th, West
Billings, MT 59102
406/656-8008

Boyd Martin Co. (Ryan, Turf)

1260 West on North Temple
Salt Lake City, UT 84116
801/521-7202

L.L. Johnson Distr. Company (Ryan)

4700 Holly Street

Denver, CO 80216

303/320-1270
Midland Implement Co., Inc. (Ryan)

402 Daniels Street
P.O. Box 30358
Billings, MT 59107
406/248-7771

CANADA

Duke Lawn Equipment Limited (Ryan, Turf)

1184 Plains Road East
Burlington, Ontario, Canada L7S 1W6
416/637-5216

Morin Equipment (Ryan, Turf)

90, D'Anvers, Parc Industriel
St-Augustin-de-Desmaures
Cte. Portneuf, Quebec, Canada G0A 3E0
418/878-3163

Mac Leodd Equipment Ltd. (Ryan, Turf)

36 Fielding Avenue
Dartmouth, NS, Canada B3B 1E4
902/469-9361

Westward Power Equipment (Ryan)

11208-119th Street
Edmonton, Alberta,
Canada T5G 2X3
403/453-3646

Morin Equipment (Ryan, Turf)

270 Ave Du Parc Industriel
Longueuil, Quebec, Canada J4H 3V6
514/527-3406

Fallis Turf Equipment Ltd. (Ryan, Turf)

11951 Forge Place
Richmond, B.C., Canada V7A 4V9
604/277-1314

Consolidated Turf Equip. (1965) Ltd. (Ryan, Turf)

Powell Avenue
Winnipeg, Manitoba, Canada R3H 0H6
204/633-7276

Consolidated Western Indus. Co., Ltd. (Turf)

14566-121 "A" Avenue
Edmonton, Alberta, Canada T5L 4C2
403/452-5835



Excel Industries, Inc.

P.O. Box 727
Hesston, KS 67062

ALABAMA

Casey Enterprise, Inc.

P.O. Box 10371
Birmingham, AL 35202
205/323-3421

ALASKA

Excel Industries, Inc.

P.O. Box 727
Hesston, KS 67062
800/835-3260

ARIZONA

C. R. Jaeschke, Inc.

8923 Complex Drive
San Diego, CA 92123
714/565-6955

ARKANSAS

Capital Equipment Company

Box 0, Route 4, Box 7
Alexander, AR 72002
501/847-3057

CALIFORNIA

C. R. Jaeschke, Inc.

8923 Complex Drive
San Diego, CA 92123
714/565-6955

Western Lawn Equipment

P.O. Box 4368
Burlingame, CA 94010
415/342-4440

COLORADO

Boyd Martin Company

1260 West North Temple
Salt Lake City, UT 84116
801/521-7202

Mitchell Equipment Company

2384 South Kingston
Aurora, CO 80014
303/755-1912

CONNECTICUT

Bacher Corporation

876 Boston Road
Billerica, MA 01866
617/667-2171

Turf Products Corporation

1496 John Fitch Blvd.
S. Windsor, CT 06074
203/289-3471

DELAWARE

Power Pro Equipment

780 East Main Street
New Holland, PA 17557
717/354-4241

FLORIDA

DeBra Turf & Indust. Equipment Co.

1551 South 30th Avenue
Hollywood, FL 33020
305/921-1919

Zaun Equipment

1741 Hamilton Street
Jacksonville, FL 32210
904/338-4682

Zaun Equipment

3032 44th Ave. North
St. Petersburg, FL 33714
813/521-3571

Zaun Equipment

1140 S. Rio Grande Ave.
Orlando, FL 32805
305/841-8460

Zaun Equipment

Route 13, Box 6857
Ft. Myers, FL 33908

GEORGIA

Lawn & Turf, Inc.

P.O. Box 480 - Interstate 20
Conyers, GA 30207
404/483-4743

Zaun Equipment

1741 Hamilton Street
Jacksonville, FL 32210
904/388-4682

HAWAII

B. Hayman Co. Ltd.

94-062 Leokane Street
Waipahu, HI 96797
808/671-2811

IDAHO

Boyd Martin Company

1260 West North Temple
Salt Lake City, UT 84116
801/521-7202

Redmond Lawn & Tractor Equip.

18014 Fall City Road
Redmond, WA 98052
206/883-4444

ILLINOIS

Illinois Lawn Equipment

14750 S. LaGrange Road
Orland Park, IL 60462
312/349-8484

Professional Turf Specialties

No. 1 3-D Industrail Square
High Ridge, MO 63049
314/677-5370

Steffen Manufacturing, Inc.

Rural Route 1
Fairbury, IL 61739
815/692-2506

INDIANA

Brentom Corporation

2200 Plantside Drive
Louisville, KY 40299
502/491-0865

Illinois Lawn Equipment

14750 S. LaGrange Road
Orland Park, IL 60462
312/349-8484

Indiana Turf Equipment

6810 Guion Road
Indianapolis, IN 46208
317/291-2280

R.T.F. Inc.

2804 S. Main Street
Goshen, IN 46526
219/533-8668

IOWA

Big Bear Turf Equipment
1840 Fuller Road
W. Des Moines, IA 50265
515/225-8222

Dakota Turf Supply Co.
3910 S. Western
Sioux Falls, SD 57105
605/336-1873

KANSAS

Excel Industries, Inc.
P.O. Box 727
Hesston, KS 67062
Call Collect 316/327-4911
The Landsco Corporation
P.O. Box 1404
Salina, KS 67401
913/825-0578

KENTUCKY

Brentom Corporation
2200 Plantside Drive
Louisville, KY 40299
502/491-0865

Ashland Outdoor Power Products
333 Malcolm Lane
Huntington, WV 25727
304/429-5288

LOUISIANA

Southern Spec. Sales Co.
617 N. Broad Ave.
New Orleans, LA 70119
504/486-6101

MAINE

Bacher Corporation
876 Boston Road
Billerica, MA 01866
617/667-2171

MARYLAND

Lyons & Lyons Sales Co.
Glen Arm Road
Glen Arm, MD 21057
201/665-6500

MASSACHUSETTS

Bacher Corporation
876 Boston Road
Billerica, MA 01866
617/667-2171

Turf Products Corporation
1496 John Fitch Blvd.
S. Windsor, CT 06074
203/289-3471

MICHIGAN

W. F. Miller Co.
274 Mart Street SW
Grand Rapids, MI 48508
616/241-4481

W. F. Miller Co.
1593 S. Woodward Ave.
Birmingham, MI 48012
313/647-7700

MINNESOTA

Dakota Turf Supply Co.
3910 S. Western
Sioux Falls, SD 57105
605/336-1873

Edwin Johnson Corporation
11313 Park Ridge Drive
Minnetonka, MN
612/938-0700

MISSISSIPPI

Bob Ladd & Associates, Inc.
764 Scott Street
Memphis, TN 38112
901/324-8801

Southern Spec. Sales Co.
617 N. Broad Ave.
New Orleans, LA 70119
504/4866101

MISSOURI

Excel Industries, Inc.
P.O. Box 727
Hesston, KS 67062
800/835-3260

The Landsco Corporation
12416-A Grandview Road
Grandview, MO 64030
816/765-4777

Professional Turf Specialties
No. 3-D Industrial Square
High Ridge, MO 63049
314/677-5370

MONTANA

Turf-Aid
2015 S. 56th Street W
Billings, MT 59102
406/656-8008

NEBRASKA

The Landsco Corporation
P.O. Box 1404
Salina, KS 67401
913/825-0578
Mitchell Equipment Co.
2384 S. Kingston
Aurora, CO 80014
303/755-1912

NEVADA

Boyd Martin Company
1260 West North Temple
Salt Lake City, UT 84116
801/521-7202

C. R. Jaeschke, Inc.
8923 Complex Drive
San Diego, CA 92123
714/565-6955

Western Lawn Equipment
P.O. Box 4368
Burlingame, CA 94010
415/342-4440

NEW HAMPSHIRE

Bacher Corporation
876 Boston Road
Billerica, MA 01866
617/667-2171

NEW JERSEY

Power Pro Equipment
780 East Main Street
New Holland, PA 17557
717/354-4241

Somerville Equipment Co.
1041 Route 202
Somerville, NJ 08876
201/526-2252

NEW MEXICO

Excel Industries, Inc.
P.O. Box 727
Hesston, KS 67062
800/835-3260

Holdthwaite's of Texas
1401 Foch
Fort Worth, TX 76101
817/332-1521

NEW YORK

All Island Equipment
39 Jersey Street
W. Babylon, NY 11704
516/643-2605

Bacher Corporation
876 Boston Road
Billerica, MA 01866
617/667-2171

Eaton Equipment Corporation
23 Lake Street
Hamburg, NY 14075
716/649-2020

Eaton Golf & Tractor, Inc.
P.O. Box 1376
Syracuse, NY 13201
315/457-9271

Somerville Equipment
1041 Route 202
Somerville, NJ 08876
201/526-2252

Turf Products Corporation
1496 John Fitch Blvd.
S. Windsor, CT 06074
203/289-3471

NORTH CAROLINA

Southern Turf Equipment Co.
P.O. Box 668883
Charlotte, NC 28266
704/394-9844

NORTH DAKOTA

Edwin Johnson Corporation
11313 Park Ridge Drive
Minnetonka, MN 55343
613/938-0700

OHIO

Ashland Outdoor Power Products
333 Malcolm Lane
Huntington, WV 25727
304/429-5288

Schock's Power Equipment Division

119 South Main
New Carlisle, OH 45344
513/845-3854

J. J. Turner, Inc.
19451 Roseland Ave.
Cleveland, OH 44117
216/481-9308
W. F. Miller Company
1593 S. Woodward Ave.
Birmingham, MI 48012
313/647-7700

OKLAHOMA

Excel Industries, Inc.
P.O. Box 727
Hesston, KS 67062
800/835-3260

OREGON

Boyd Martin Company
1260 West North Temple
Salt Lake City, UT 84116
801/521-7202

Northwest Outdoor Equipment
15841 SE Piazza Ave.
Clackamas, OR 97015
503/657-3175

PENNSYLVANIA

Power Pro Equipment
780 East Main Street
New Holland, PA 17557
717/354-4241

RHODE ISLAND

Bacher Corporation
876 Boston Road
Billerica, MA 01866
617/667-2171

SOUTH CAROLINA

Southern Turf Equipment
P.O. Box 668883
Charlotte, NC 28266
704/394-9844

SOUTH DAKOTA

Dakota Turf Supply
3910 S. Western
Sioux Falls, SD 57105
605/336-1873

TENNESSEE

Brentom Corporation
2200 Plantside Drive
Louisville, KY 40299
502/491-0865

Bob Ladd & Associates
764 Scott Street
Memphis, TN 38112
901/324-8801

TEXAS

Goldthwaite's of Dallas
2700 Forest Lane
Dallas, TX 75234
214/241-3103

Goldthwaite's of Houston
220 Fariss
Houston, TX 77025
713/666-4233

Goldthwaite's of San Antonio
10751 Sentinel
San Antonio, TX 78217
512/653-9660

Goldthwaite's of Texas
1401 Foch
Fort Worth, TX 76101
817/332-1521

UTAH

Boyd Martin Company
1260 West North Temple
Salt Lake City, UT 84116
801/521-7202

VERMONT

Bacher Corporation
876 Boston Road
Billerica, MA 01866

VIRGINIA

Lyons & Lyons Sales Co.
Glen Arm Road
Glen Arm, MD 21057
301/665-6500

WASHINGTON

Northwest Outdoor Equipment
15841 SE Piazza Ave.
Clackamas, OR 97015
503/657-3175

Redmond Lawn & Tractor

18014 Fall City Road
Redmond, WA 98052
206/883-4444

WEST VIRGINIA

Ashland Outdoor Power Products
333 Malcolm Lane
Huntington, WV 25727
304/429-5288

Power Pro Equipment
780 East Main Street
New Holland, PA 17557
714/354-4241

WISCONSIN

Kujawa Enterprises, Inc.
3626-3630 E. Munkwitz Ave.
Cudahy, WI 53116
414/744-7647

WYOMING

Boyd Martin Company
1260 West North Temple
Salt Lake City, UT 84116
801/521-7202

Mitchell Equipment Company
2384 S. Kingston
Aurora, CO 80014
303/755-1912

Turf-Aid
2015 S. 56th St. W. Billings, MT 59102
406/656-8008

CANADA

Farmers Supply & Equipment
1257 Kamato Road
Mississauga, Ont. Canada L4W 2M2
416/624-5822

Interprovincial Turf Ltd.
4126 8th Street SE
Calgary, Alberta, Canada T2G 3A7
403/243-5180

O. J. Company
Rang St. Paul Sud.
Sherrington, Quebec, Canada J0L 2N0
514/861-5379

Multi-Turf Specialists
6455-64th Street
Delta, British Columbia, Canada V4K 3N3

Schreyer Equipment
3176 Main Street
Winnipeg, Manitoba, Canada R3C 2E4

**Heckendorn Mfg. Co., Inc.**

Cedar Point, KS 66843

Bacher Corporation
876 Boston Road—Rte. 3A
Billerica, MA 01866
617/667-2171

Bacher Corporation
East Windsor Industrial Park
7 Thompson Road
East Windsor, CN 06088
203/623-9295

H. V. Carter Company, Inc.
P.O. Box 9185
3366 West Sussex Way
Fresno, CA 93791
209/224-7626

H. V. Carter Company, Inc.
P.O. Box 12006
1700 East 14th St.
Oakland, CA 94604
415/536-9300

H. V. Carter Company, Inc.
2309 Lexington St.
Sacramento, CA 95815
916/927-3824

Consolidated Western Ind. Co., Ltd.
5-4623 Manilla Rd., S.E.
Calgary, Alberta T2G 4B6
403/243-1599

Consolidated Western Ind. Co., Ltd.
14566 121a Ave.
Edmonton, Alberta T5L 4C2
403/452-5835

G. L. Cornell Company
16031 Industrial Drive

Gaithersburg, MD 20760
301/948-2000
Dakota Turf
3910 South Western Ave.
Sioux Falls, SD 57105
605/336-1873
De Bra Tractor & Implement, Inc.
2857 Hanson Street
Ft. Myers, FL 33901
813/332-4663
De Bra Enterprises, Inc.
1551 S. 30th Ave.
Hollywood, FL 33020
305/921-1919
De Bra Turf Equipment
6025 U.S. Highway 301
Tampa, FL 33610
813/621-3077
Duke Lawn Equipment, Ltd.
1184 Plains Road East
Burlington, Ontario L7S 1W6
416/637-5216
Golf Carts, Inc.
4200 Monroe St.
Denver, CO 80216
303/399-8455
Illinois Lawn Equipment, Inc.
16450 S. 104th Ave.
Orland Park, IL 60462
312/349-8484
Indiana Turf Equipment Corp.
6810 Guion Road
Indianapolis, IN 46268
317/291-2280
Krigger & Company, Inc.
380 East Highland Road
Macedonia, OH 44056
216/467-2176
Krigger & Company, Inc.
3025 Babcock Blvd.
Pittsburgh, PA 15237
412/931-2176
Kromer Company
3455 County Road 44
Mound, MN 55364
612/472-4167
Lawn & Turf, Inc.
P.O. Box 480
Interstate 20 West
Conyers, GA 30207
404/483-4743
Lawn Equipment Corporation
P.O. Box A
520 West Eleven Mile Road
Royal Oak, MI 48068
313/398-3636
S. V. Moffett Company, Inc.
Branch: Blue Barn Road
Rexford, NY 12148
518/370-4054
S. V. Moffett Company, Inc.
Thruway Park Drive
West Henrietta, NY 14586
716/334-0100
Moon Equipment Company
11430 Gondola Street
Cincinnati, OH 45241
513/771-1200
Moon Equipment Company
3666 Lacon Road
Hilliard, OH 43026
614/876-0261
Multi-Turf Specialists Ltd.
6455 64th Street
Delta, B.C. V4K 3N3
604/946-7011
Outdoor Equipment Company
160 Weldon Parkway
Maryland Heights, MO 63043
314/569-3232
Porter Brothers, Inc.
P.O. Box 520
1005 E. Dixon Blvd.
Shelby, NC 28150
704/482-3424
Power Pro Equipment Company
780 East Main St.
New Holland, PA 17557
717/354-4241
Robison's Lawn & Golf, Inc.
11918 Grandview Road

Grandview, MO 64030
816/765-3333
Leon Short & Sons, Inc.
3116 North Main St.
East Peoria, IL 61611
309/694-1493
Somerville Equipment
1041 Route 202
Somerville, NJ 08876
201/526-2252
Southern Specialty Sales Co., Inc.
P.O. Box 19965
617 North Broad St.
New Orleans, LA 70179
504/486-6101
Tieco, Inc.
913 N. 21st Street
Birmingham, AL 35203
205/328-6464
Tieco, Inc.
Bluegrass Industrial Park
1829 Laser Lane
Louisville, KY 40299
502/499-9300
Tieco, Inc.
3231 Thomason Ave.
Montgomery, AL 36108
205/834-3705
Tieco Tennessee, Inc.
118 Park South Court
Nashville, TN 37211
615/244-9871
Tieco Gulf Coast, Inc.
3840 Hopkins Street
Pensacola, FL 32505
904/434-5475
Toledo Turf Equipment Company
P.O. Box 8493
4329 W. Alexis Road
Toledo, OH 43623
419/473-2503
Tresca Industries, Inc.
10639 Phillips Highway
Jacksonville, FL 32224
904/268-6741
Tresca Industries, Inc.
181 Atlantic Drive
Maitland, FL 32751
305/834-5554
Turf Tractor Equipment Co., Inc.
4381 Canyon Drive
Amarillo, TX 79110
806/358-3641
Watson Distributing Co., Inc.
P.O. Box 47423
5101 Norwood Road
Dallas, TX 75247
214/630-2222
Watson Distributing Co., Inc.
P.O. Box 36211
6335 Southwest Freeway
Houston, TX 77036
713/771-5771
Watson Distributing Co., Inc.
P.O. Box 17185
5511 Brewster Drive
San Antonio, TX 78217
512/654-7065
Wisconsin Turf Equipment Corp.
P.O. Box 708
1917 West Court
Janesville, WI 53545
608/752-8766

INTERNATIONAL SEEDS, INC.

International Seeds, Inc.
P.O. Box 168
Halsey, OR 97348
503/369-2251
Tieco
Birmingham, AL
205/328-6464
McKinnley Landscaping
Anchorage, AK
907/272-4711
Valley Seeds, Inc.
Phoenix, AZ
602/257-1223

Germain's
Los Angeles, CA
213/589-6331
Ferry-Morse Seed Co.
Mt. View, CA
415/967-6973
Gorby, Inc.
Colorado Springs, CO
303/598-1539
SAJ Turf Products
Arvada, CO
303/424-3903
Bingham Seed Co.
Jacksonville, FL
904/768-1503
Bingham Seed Co.
Atlanta, GA
800/874-2673
Jacklin Seed Co.
Post Falls, ID
208/773-7581
C.D. Ford & Sons
Geneseo, IL
309/944-4661
Vaughan Jacklin Corp.
Donners Grove, IL
312/969-6300
Indiana Seed Co.
Noblesville, IN
317/773-5813
Syler, Inc.
Indianapolis, IN
317/636-3879
Syler, Inc.
Plymouth, IN
219/936-2191
Ramey Seed Co.
Research Seeds, Inc.
Kansas City, KS
816/474-4786
Research Seeds, Inc.
St. Joseph, KS
816/233-3446
Fayette Seed Company
Lexington, KY
606/255-3336
Wyche's Golf Course Spec.
Shreveportplain Dealing, LA
318/326-4484
Loft's Maryland Seed Co.
Landover, MD
301/322-8111
Northrup-King & Co.
Minneapolis/St. Paul, MN
612/781-8011
Ramy Seed Co.
Mankato, MN
507/387-4091
Southern Seed Co.
Jackson, MS
601/372-8132
Mangelsdorf Seed Co.
St. Louis, MO
314/535-6700
Research Seeds, Inc.
Kansas City, MO
816/474-4786
Research Seeds, Inc.
St. Joseph, MO
816/233-3446
Loveland Lawns
Omaha, NE
402/331-5262
Lofts Pedigreed Seed
Bound Brook, NJ
201/356-8700
Vaughan Jacklin Corp.
Bound Brook, NJ
201/356-4200
Herbst Bros. Seedsmen, Inc.
Brewster, NY
914/279-2981
Lawn Medic
Bergen, NY
716/494-1462
Bingham Seed Co.
High Point, SC
919/883-2148
E.J. Smith & Sons

Charlotte, NC
704/394-3361
Sexauer Co.
Brookings, SD
605/692-6171
Lakeshore Equipment Co.
Elyria, OH
216/323-7544
O.M. Scott & Sons
Marysville, OH
513/644-0011
Lilly-Miller
Portland, OR
503/256-4600
North Coast Seed Co.
Portland, OR
503/288-5281
Tieco, Inc.
Nashville, TN
615/244-9871
Colonial Motors
Dallas, TX
214/421-5293
Douglass W. King Co.
San Antonio, TX
512/661-4191
Turf World
Houston, TX
713/498-1570
E.J. Smith & Sons
Charleston, SC
803/796-7519
Wetsel Seed Co.
Harrisonburg, VA
703/434-6753
Puget Sound Seed Co.
Seattle, WA
206/282-2077
Lilly-Miller
Seattle, WA
206/762-0818
Lilly-Miller
Spokane, WA
509/535-4738
Seattle, WA
206/284-8500
B&A Sales
Columbus, WI
414/623-2529
Buckerfield's, Ltd.
Vancouver, B.C., Canada
604/294-3851
Maple Leaf Mills, Ltd.
Oakwood, Ontario, Canada
705/786-2020
A.E. McKenzie Co., Ltd.
Brandon, Manitoba, Canada
204/727-0766
OSECO Inc.
Brampton, Ontario, Canada
416/846-5080
Otto Pick & Sons Seeds, Ltd.
St. Hyacinthe, P.Q., Canada
416/884-1684
Richardson Seed Co., Ltd.
Burnaby, B.C., Canada
604/420-3437
Rothwell Seeds, Ltd.
Lindsay, Ontario, Canada
705/324-9591

JACOBSEN TEXTRON

Jacobsen Manufacturing Company
1721 Packard Ave.
Racine, WI 53403
Baltz & Son Company
9817 East Burnside Avenue
Portland, OR 97216
503/256-1453
Big Bear Equipment, Inc.
10405 "J" Street
Omaha, NE 68127
402/331-0200
Big Bear Turf Equipment Co.
1840 Fuller Road

West Des Moines, IA 50265
515/225-8222

Paul Blakeney Company
330 North East 38th Street
Oklahoma City, OK 73105
405/528-7577

Boyd Distributing Company
1400 West Third Avenue
Denver, CO 80223
303/629-7701

Brandt Machine & Mfg., Ltd.
Box 376
705 Toronto St.
Regina, Sask. S4P 3A2
Canada

306/525-1314
Capital Equipment Co.
P.O. Box 0
Route 4

Alexander, AR 72002
501/847-3056

H.V. Carter Co., Inc.
P.O. Box 12006
1700 East 14th Street
Oakland, CA 94606
415/536-9300

H.V. Carter Co., Inc.
P.O. Box 9185
3366 W. Sussex Way
Fresno, CA 93791
209/224-7626

H.V. Carter Co., Inc.
2309 Lexington Street
Sacramento, CA 95815
916/927-3824

Colonial Motor Co.
P.O. Box 59225
Dallas, TX 75229
214/556-1191

Consolidated Turf Equipment Ltd.
972 Powell Avenue
Winnipeg, Manitoba R3H 0H6
Canada

204/633-7276
G.L. Cornell Co.
16031 Industrial Drive
Gaithersburg, MD 20760
301/948-2000

Dakota Turf Supply Inc.
3910 South Western Ave.
Sioux Falls, SD 57105
605/336-1873

**DeBra Turf & Industrial
Equipment Co.**
1551 South 30th Ave.
Hollywood, FL 33020
305/921-1919

DeBra Tractor & Implement Co., Inc.
2857 Hanson Street
Fort Myers, FL 33901
813/332-4663

**DeBra Turf & Industrial
Equipment Co.**
6025 U.S. Hwy. 301
Tampa, FL 33610
813/621-3077

Fallis Turf Equipment Ltd.
11951 Forge Place
Richmond, B.C. V7A 4V9
Canada

604/277-1314
R.L. Gould & Co.
3711 North Lexington Parkway
St. Paul, MN 55112
612/484-8411

The Halifax Seed Co., Ltd.
Box 8026
Halifax, Nova Scotia B3K 5L8
Canada

902/454-7456
B. Hayman Company, Inc.
9525 Sorensen Avenue
Santa Fe Springs, CA 90670
213/698-6761

B. Hayman Co. (Hawaii), Ltd.
94-062 Leokane Street
Waipahu, HI 96797
808/671-2811

Horst Distributing, Inc.
444 North Madison Street

Chilton, WI 53014
414/849-2341

Illinois Lawn Equipment, Inc.
16450 S. 104th Avenue
Orland Park, IL 60462
312/349-8484

Indiana Turf Equipment Corporation
6810 Guion Road
Indianapolis, IN 46268
317/291-2280

Interprovincial Turf Ltd.
4126-8th Street S.E.
Calgary, Alberta T2G 3A7
Canada

403/243-5180
Interprovincial Turf Ltd.
5533-99th Street
Edmonton, Alberta T6E 3N8
Canada

403/436-6560
JEP Sales, Inc.
P.O. Box 11126
211 Yardville

Hamilton Square Road
Yardville, NJ 08620
609/585-2300

Kelbe Equipment Co., Inc.
4924 Jefferson NE
Albuquerque, NM 87109
505/883-0605

Krigger & Co., Inc.
3025 Babcock Blvd.
Pittsburgh, PA 15237
412/931-2176

Krigger & Co., Inc.
380 E. Highland Road
Macedonia, OH 44056
216/467-2176

Bob Ladd, Inc.
P.O. Box 12269
764 Scott Street
Memphis, TN 38112
901/324-8801

Lawn & Garden Supply Co.
P.O. Box 11220
2222 N. 27th Ave.
Phoenix, AZ 85061
602/278-8585

Lawn & Garden Supply Co.
5455 S. Nogales Highway
Tucson, AZ 85706
602/294-3177

Lawn & Golf Supply Co., Inc.
647 Nutt Road
Phoenixville, PA 19460
215/933-5801

Lawn & Turf, Inc.
P.O. Box 480
Conyers, GA 30207
404/483-1863

Wilfred MacDonald, Inc.
340 Main Avenue
Clifton, NJ 07014
201/471-0244

The Macgovern Company, Inc.
P.O. Box 270
27 Lawnacre Rd.
Windsor Locks, CT 06096
203/623-2508

The Magovern Company, Inc.
P.O. Box 4820
911 Hope Street
Largo Industrial Park
Stamford, CT 06907
203/348-8211

Malvese Mowers and Equipment, Inc.
Box 295
530 Old Country Road
Hicksville, NY 11802
516/681-7600

Boyd Martin Company
P.O. Box 16067
1260 West North Temple
Salt Lake City, UT 84116
801/521-7202

Boyd Martin Company
4554 Chinden Blvd.
Boise, ID 83704
208/376-8891

W.F. Miller Company
P.O. Box 625

1593 South Woodward Avenue
Birmingham, MI 48011

313/647-7700
W.F. Miller Company
274 Mart Southwest
Grand Rapids, MI 49508
616/241-4481

S.V. Moffett Company, Inc.
Thruway Park Drive
West Henrietta, NY 14586
716/334-0100

S.V. Moffett Co., Inc.
P.O. Box 7
Rexford, NY 12148
518/399-6054

Moon Equipment Company
11430 Gondola Street
Cincinnati, OH 45241
513/771-1200

Moon Equipment Company
3666 Lacon Road
Hilliard, OH 43026
614/876-0261

Northwest Mowers, Inc.
P.O. Box 33940
Bitter Lake Station
926 N. 165th St.
Seattle, WA 98133
206/542-7484

Northwest Mowers, Inc.
1317 West Excell Drive
Spokane, WA 99208
509/466-7916

Outdoor Equipment Company
160 Weldon Parkway
Maryland Heights, MO 63043
314/569-3232

Porter Brothers, Inc.
1005 East Dixon Blvd.
P.O. Box 520
Shelby, NC 28150
704/482-3424

**Robison's Lawn & Golf Course
Supplies, Inc.**
11918 Grandview Road
Grandview, MO 64030
816/765-3333

Sawtelle Brothers, Inc.
565 Humphrey Street
Swampscott, MA 01907
617/599-4856

Southern Specialty Sales Co., Inc.
P.O. Box 19965
617 North Broad Avenue
New Orleans, LA 70179
504/486-6101

Spramotor Limited
P.O. Box 5277
980 Green Valley Road
London, Ontario N6A 4C2
Canada

519/681-9660
Spramotor Limited
50 Brydon Drive
Rexdale, Ontario M9W 4N5
Canada

416/743-3892
Spramotor Limited
47 Capital Drive
Ottawa, Ontario K2G 0E7
Canada

613/225-9387
Spramotor Limited
2552 chemin de Chambly
Longueuil, Quebec J4L 1M4
Canada

514/677-2819
Tieco, Inc.
913 North 21st St.
Birmingham, AL 35203
205/328-6464

Tieco, Inc.
3231 Thomason Avenue
Montgomery, AL 36108
205/834-3705

Tieco Gulf Coast, Inc.
3840 Hopkins Street
Pensacola, FL 32505
904/434-5475

Tieco - Louisville
1829 Laser Lane

Louisville, KY 40299
502/499-9300

Tieco Tennessee, Inc.
118 Park South Court
Nashville, TN 37210
615/244-9871

Toledo Turf Equipment Co.
4329 West Alexis Road
Toledo, OH 43623
419/473-2503

Totem Equipment & Supply Inc.
2536 Commercial Drive
Anchorage, AK 99501
907/272-9573

Tresca Industries, Inc.
10639 Phillips Highway
Jacksonville, FL 32224
904/268-5741

Tresca Industries, Inc.
181 Atlantic Drive
Maitland, FL 32751
305/834-5554

Turf-Aid Distributing Company
2015 South 56th Street W.
Billings, MT 59102
406/656-8008

Watson Distributing Co., Inc.
P.O. Box 36211
6335 Southwest Freeway
Houston, TX 77036
713/771-5771

Watson Distributing Co., Inc.
P.O. Box 17185
5511 Brewster Drive
San Antonio, TX 78217
512/654-7065

Wisconsin Turf Equipment Corp.
P.O. Box 708
1917 West Court Street
Janesville, WI 53545
608/752-8766

Wisconsin Turf Equipment Corp.
21520 W. Greenfield Ave.
New Berlin, WI 53151
414/544-6421



INDUSTRIAL SPRAYERS

Marco
Division of Llo-Mar Mfg. Co.
Newkirk, OK 74647

Agriculture Service Corporation
5240 Gaffin Road
Salem, OR 97301
503/581-8899

Ag. Mercantile, Inc.
704 North Bell St.
San Angelo, TX 76903
915/653-4554

Argento & Sons
1 Prospect Avenue
White Plains, NY 10607
914/949-1152

B-A-R Distributing Co.
1605 Central
Kearney, NE 68847
308/236-6777

Carrol Farms
6611 Rosser Drive
Evansville, Indiana 47712
812/423-6055

**The Chemical & Turf
Specialty Company**
10440 Planno Road
Dallas, TX 75238
214/341-9310

Colorado Feed and Seed
Box 1150
Colorado City, TX 79512
915/728-5071

Crown Chemicals
4015 Papin
St. Louis, MO 63110
314/533-0999

Don's Distributing Co., Ltd.

Box 3
Medford, OK 73759
405/395-2303

Estes Chemicals, Inc.
106 Elm Street
Wichita Falls, TX 76307
817/766-0163

- Branch Offices -
1818 N.W. Fifth Street
Oklahoma City, OK 73106
405/232-2493

2220 N.E. Loop 286
Paris, TX 75460
214/785-2476
502 West Loop 340
Waco, TX 76706
817/662-3092

Green-Way Hydroturfing
4896 Birdseye
Helena, MT 59601
406/422-3450

Hi Pro Feeds, Inc.
Box 1088 East Highway 60
Friona, TX 79035
806/247-2791

- Branch Offices -
Abilene Auction-N.E. Interstate 20
Abilene, TX 79604
915/673-4692

Highway 87
Eter, TX 79013
806/966-5113
East Highway 54
Guymon, OK 73942
405/338-8481

North Highway 36
Sealy, TX 77474
713/885-2918
South Kings Highway
Texarkana, TX 75501
214/794-2178

East Highway 90
Uvalde, TX 78801
512/278-2508

Jeter Farm Store, Inc.
1410 9th St.
Paducah, TX 79248
806/492-3601

Kimble Hardware & Supply
406 Main
Junction, TX 76849
915/446-2514

W. B. McCloud & Company
1212 West Lunt
Schaumburg, IL 60193
312/893-0606

My-D Han-D
Route 1, West Hwy. 56
Dodge City, KS 67801
316/225-0263

- Branch Office -
700 North Third
McGregor, TX 76657
817/840-2261

Perryton Equity Exchange
26 West Brillhart
Perryton, TX 79070
806/435-4016

Pest Control Supplies
1700 Liberty
Kansas City, MO 64102
816/421-4696

Regal Chemical Company
P.O. Box 641
Alpharetta, GA 30201
440/475-4837

Riggs Farm and Ranch Supply
Box 714
Clarendon, TX 79226
806/874-3919

South Texas Fire & Safety
2006 Hwy. 281 South
Alice, TX 78332
512/664-9191

Sprayer Enterprises
1045 Elm Way
Rock Springs, WY 82901
307/382-2796

T-E Agri Supply Company
2701 East Third

Amarillo, TX 79120
806/376-5333

Turfco, Inc.
16300 N.W. 49th Ave.
Hialeah, FL 33014
305/621-4677

United Feed & Supply Co.
625 South West St.
Pampa, TX 79065
806/665-1142

Veatch Chemical Company
4357 California
St. Louis, MO 63111
314/832-0056

Willow Springs Enterprise, Inc.
18000 West Belleview Avenue
Morrison, CO 80465
303/697-8008

Wingate, Inc.
107 North Polk
Amarillo, TX 79105
806/376-5484



**Milwaukee Metropolitan
Sewerage District**

735 North Water Street
Milwaukee, WI 53202

Adams Equipment, Inc.
8001 Newell Street
Silver Springs, MD 20910
301/585-1322

Albers, Inc.
755 Timber Way
P.O. Box 10430
Reno, NV 89502
702/322-8625

Austin Feed & Seed Company
241 Signal Mountain Road
Chattanooga, TN 37405
615/267-6515

Bandini Fertilizer Company
4139 Bandini Blvd.
Los Angeles, CA 90023
213/263-7391

Banfield-Baker Corporation
366 Miracle Mile, Rt. 328 (Box 151)
Horseheads, NY 14845
607/739-8771, 739-8772

Paul Blakeney Company
330 NE 38th Street
Oklahoma City, OK 73105
405/528-7577

Bunton Seed Company
939 E. Jefferson Street
Louisville, KY 40206
502/584-0136

Butler's Mill, Inc.
5180 Naranja
San Diego, CA 92114
714/263-6181

Century Toro Distributors, Inc.
5959 Angola at Holland Sylvania
Toledo, OH 43615
419/865-7400

Century Toro Distributors, Inc.
2985 Glendale-Milford Avenue
Cincinnati, OH 45241
513/563-2460

Century Toro Distributors, Inc.
1060 W. Goodale Blvd.
Columbus, OH 43212
614/294-1631

Champion Turf Equipment, Inc.
318 W. 79th Street
Kansas City, MO 64114
816/333-8000

Chemical & Turf Specialty Co., Inc.
1121 Washington Street
West Newton, MA 02165
617/244-7900

Clark County Wholesale
512 South Main Street
Las Vegas, NV 89101
702/382-7700

George A. Davis, Inc.
5440 Northwest Highway

Chicago, IL 60630
312/763-6363

Sidney L. Dryfoos Company
5351 Naiman Pky., Suite B
Solon, OH 44139
216/248-5308

Duke Equipment & Irrigation, Inc.
2344 Auburn Blvd.
Sacramento, CA 95821
916/483-8448

Eaton Equipment Corporation
23 Lake Street
Hamburg, NY 14075
716/649-2020

Eaton Golf & Tractor, Inc.
P.O. Box 1376
Dwight Park Drive
Syracuse, NY 13201
315/457-9271

Gateway Seed Company
510 Bittner Street
St. Louis, MO 63147
314/381-8500

Harold W. Glissman, Inc.
10304 Broadmoor Cr. - Suite 1202
Omaha, NE 68114
402/393-7681

Golden West Seeds, Ltd.
1108 6th St., SE
Calgary, Alberta, Canada T2G 2Y2

Goldthwaite's Of Texas, Inc.
P.O. Box 630
1401 Foch Street
Fort Worth, TX 76101
817/332-1521

Goldthwaite's of Dallas, Inc.
2700 Forest Lane
Dallas, TX 75234
214/241-3103

Goldthwaite's of Houston, Inc.
P.O. Box 343
220 Fariss
Houston, TX 77025
713/666-4233

Goldthwaite's of Texas, Inc.
P.O. Box 17306
10751 Sentinel
San Antonio, TX 78217
512/653-9660

E.H. Griffith, Inc.
2250 Palmer Street
Swissvale, PA 15218
412/271-3365

Ernest Hardison Seed Company
P.O. Box 1072
105 Broadway
Nashville, TN
615/256-2659

I.G. Harman & Son, Inc.
1800 19th Stree NE
Canton, OH 44705
216/456-4725

Hector Turf & Garden, Inc.
P.O. Box 693544
Norland Branch
110 NE 179th Street
Miami, FL
305/652-4470

Henderson & McCartha
P.O. Box 380396
1163 NE 88th Street
Miami, FL
305/751-3459

High Point Mills, Inc.
1225 Lehigh Station Road
Henrietta, NY 14467
716/334-4574

Horst Distributing, Inc.
444 North Madison Street
Chilton, WI 53014
414/849-2341

Indiana Seed Co., Inc.
8th and Mulberry Street
P.O. Box 440
Noblesville, IN 46060
317/773-5813

Inland Toro Distributors, INC.
P.O. Box 4509 - Sta. B
East 4001 Boone Avenue
Spokane, WA 99202
509/535-9756

L.L. Johnson Distributing Company
200 Lipan Street
Denver, CO 80223
303/892-6948

Nick Knott Turf Equipment Co.
1367 South 101st East Avenue
Tulsa, OK 74128
918/838-7119

V.K. Kosters Company
74 Excelsior Avenue
Troy, NY 12180
518/273-5560

Lawn & Garden Supply Co.
P.O. Box 11220
2222 North 27th Avenue
Phoenix, AZ
602/278-8585

Lawn & Garden Supply Co.
5455 South Nogales Highway
Tucson, AZ 85706
602/294-3177

Lawn & Turf, Inc.
P.O. Box 480
Conyers, GA 30207
404/483-4743

Loft-Kellogg Seed, Inc.
P.O. Box 684
322 East Florida Street
Milwaukee, Wisconsin
414/276-0373

The Magovern Co., Inc.
P.O. Box 270-Lawnacre Road
Windsor Locks, CT 06096
203/623-2508

F. Manley Corporation
Box 8750

Don Mills, Ontario, Canada M3C 3G9
(7261 Victoria Park Avenue
Toronto, Ontario, Canada)
416/495-6555

Metro Milorganite, Inc.
P.O. Box 267
Hawthorne, NY 10532
914/769-7600

Midland Implement Co., Inc.
P.O. Box 30358 (59107)
402 Daniels Street (59103)
Billings, MT
406/248-7771

NU Life Fertilizer
1424 Thorne Road
P.O. Box 883
Tacoma, WA 98401
206/272-5171

Ochoa Fertilizer Co., Inc.
GPO Box 3128
San Juan, Puerto Rico 00936

Oregon Toro Distributors, Inc.
9525 Commerce Cr.
Wilsonville, OR 97070
503/639-7602

Parmenter & Andre
P.O. Box 2411
1042 Michigan Street NE
Grand Rapids, MI 49503
616/458-1546

Philadelphia Toro Company
4049 Landisville Road
P.O. Box 865
Doylestown, PA 18901
215/345-7200

Steve Regan Company
4215 S. 500 West
Murray, UT 84107
801/268-4500

Richmond Power Equipment Co., Inc.
1904 N. Hamilton Street
Richmond, VA 23230
804/355-7831

Robinson Fertilizer Company
P.O. Box 126
119 North Olive Street
Orange, CA 92666
714/538-3575

Leon Short & Sons, Inc.
3116 N. Main Street
East Peoria, IL 61611
309/694-1493

E.J. Smith & Sons Company
P.O. Box 66887
4250 Golf Acres Drive

Charlotte, NC 28266
704/394-3361
Southern Specialty Sales Co., Inc.
P.O. Box 19965
617 North Broad Avenue
New Orleans, LA 70119
504/486-6101

Southwest Toro, Inc.
P.O. Box 6307 - Station B.
3700 Edith Blvd. NE
Albuquerque, NM 87107
505/345-8676

Southwest Toro, Inc.
P.O. Box 51 (79940)
1628 Myrtle (79901)
El Paso, TX
915/542-1671

Spaulding's, Inc.
P.O. Box 10009
St. Petersburg, FL 33733
813/896-2611

Sterling Distributors, Ltd.
P.O. Box 1508
Saskatoon, Sask., Canada S7K 3R4
306/652-3300

Tennessee Turf & Toro
2717 Independence Lane
Knoxville, TN 37914

Terminal Sales Corporation
12871 Eaton Avenue
Detroit, MI 48227
313/491-0606

Tieco, Inc.
913 North 21st Street
Birmingham, AL 35203
205/328-6464

Tieco Gulf Coast, Inc.
3840 Hopkins Street
Pensacola, FL 32505
904/434-5475

Turfaid, Inc.
3056 Fleetbrook Drive
P.O. Box 16919
Memphis, TN 38116
901/332-8770

Unique Landscape Ltd.
P.O. Box 1593
Regina, Sask., Canada S4P 3C4

Vaughan-Jacklin Corp.
8348 Ardmore Ardwick Road
Landover, MD 20785
301/322-8800

Westoro Pacific Distributing
1505 Adrian Road
Burlingame, CA 94010
415/697-0794

M.T. Wiley, Inc.
P.O. Box 32
Chaska, MN 55318
612/448-3300
UPS: Rt. 2 - Box 151J
Chaska 55318

Willard Equipment
1216 E. Pender Street
Vancouver, B.C., Canada V6A 1W8
604/253-5538

Winnipeg Supply & Fuel Co., Ltd.
P.O. Box 834
Winnipeg, Manitoba, Canada R3C 3J8
204/772-2565

Wisconsin Turf Equipment Corp.
P.O. Box 708
1917 West Court Street
Janesville, WI 53545
608/752-8766

Zaun Equipment, Inc.
P.O. Box 7464
1741 Hamilton Street
Jacksonville, FL 32210
904/388-4682

Zaun Equipment, Inc.
3032 44th Avenue North
St. Petersburg, FL 33714
813/521-3571

Milorganite Brokers
H.J. Baker & Bro., Inc.
Pershing Square Building
100 E. 42nd Street
New York, NY 10017
212/867-0200

Tropical Milorganite Brokers, Inc.
701 Sunset Avenue
P.O. Box 446
Orange City, FL 32763
904/775-6841

SMITHCO

Smithco, Inc.
11 West Avenue
Wayne, PA 19087

Atlas Lawn Equipment Co.
18155 Edison Avenue
Chesterfield, MO 63017

Baltz & Son Co.
9817 E. Burnside Street
Portland, OR 97216

Big Bear Equipment Co.
10405 "J" Street
Omaha, NE 68127

Big Bear Turf Equipment
1840 Fuller Rd.
West Des Moines, IA 50265

Paul Blakeney Co.
330 N.E. 38th Street
Oklahoma City, OK 73105

Boyd Dist. Company
1400 W. 3rd Avenue
Denver, CO 80224

Brentom Corporation
P.O. Box 99097
2200 Plantside Drive
Louisville, KY 40299

Capital Equipment Co.
130 W. New Benton Hwy.
Alexander, AR 72002

H.V. Carter Co., Inc.
2309 Lexington St.
Sacramento, CA 95801

H.V. Carter Co., Inc.
1700 E. 14th St.
Oakland, CA 94606

H.V. Carter Co., Inc.
3366 W. Sussex Way
Fresno, CA 93705

Century Toro Distributors, Inc.
5959 Angola Rd. at Holland-Sylvania
Toledo, OH 43615

Century Toro Distributors, Inc.
2985 Glendale-Milford Rd.
Cincinnati, OH 45241

Century Toro Distributors, Inc.
1060 W. Goodale Blvd.
Columbus, OH 43212

Chemical & Turf Spec. Co.
10440 Plano Rd.
Dallas, TX 75238

G.L. Cornell Co.
16031 Industrial Drive
Gaithersburg, MD 20760

De Bra Turf Equip. Co.
1551 S. 30th Avenue
Hollywood, FL 33020

De Bra Turf Equipment Co.
6025 U.S. Highway 301
Tampa, FL 33610

De Bra Tractor & Implement Co.
2857 Hanson St.
Ft. Myers, FL 33901

Frankfort Lawn & Golf Supply
P.O. Box 906
Frankfort, MI 49635

Georgia-Florida Turf Equipment
255 Skyland Road
St. Simons Island, GA 31522

Georgia Golf & Garden Supply Co.
200 C Piedmont Court
Doraville, GA 30340

Goldthwaite's of Texas
1409 Foch Street
Ft. Worth, TX 79901

Goldthwaite's of Texas
220 Fariss
Houston, TX 77025

Goldthwaite's of Texas
10751 Sentinel
San Antonio, TX 78217

E.H. Griffith, Inc.
2250 Palmer St.
Pittsburgh, PA 15218

Outdoor Equipment Co.
160 Weldon Parkway
Maryland Hts. MO 63043

B. Hayman Co.
9525 Sorensen Avenue
Santa Fe Springs, CA 90670

B. Hayman Co.
94-062 Leokane Street
Waipahu, HI 96813

Horst Distributing Co.
444 N. Madison St.
Chilton, WI 53014

Illinois Lawn Equipment, Inc.
16450 S. 104th Avenue
Orland Park, IL 60462

Interprovincial Turf Ltd.
5533 99th
Edmonton, Alberta, Canada T6E 3N8

JEP Sales, Inc.
4351 S. Broad St.
Yardville, NJ 08620

Kelbe Equipment Co.
4924 Jefferson St. NE
Albuquerque, NM 87110

Kenney Machinery Corp.
8420 Zionsville Rd.
Indianapolis, IN 46288

Nick Knott Turf Equipment
1367 S. 101 East Ave.
Tulsa, OK 74128

Indiana Turf Equipment Corp.
6810 Guion Rd.
Indianapolis, IN 46268

Kromer Company
3455 County Rd. 44
Mound, MN 55364

Ky-Inna Turf Equipment
1806 Cargo Court
Louisville, KY 40299

Bob Ladd & Associates, Inc.
Box 12271
Memphis, TN 38112

Lawn Equipment Corp.
518-520 West 11 Mile Rd.
Royal Oak, MI 48067

Lawn & Garden Supply Co.
2222 N. 27th Ave.
Phoenix, AZ 85017

Lawn & Garden Supply
5455 S. Nogales Hwy.
Tucson, AZ 85706

Lawn & Golf Supply Co.
647 Nutt Rd.
Phoenixville, PA 19460

Little Wheels, Ltd.
1425 N. Dodge
Iowa City, IA 52240

Multi Turf Specialists Ltd.
6455 64th Street
Delta, B.C., Canada V4K 3N3

J.M. McConkey & Co., Inc.
1615 Payallup Street
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Jacksonville, FL 32224

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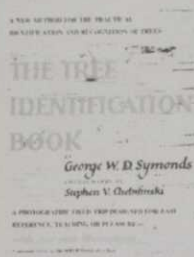
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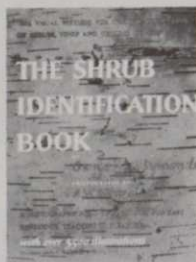
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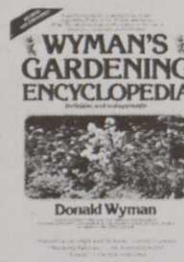
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