pers, and beds of geraniums on a 14,000square-foot island. The putting surface takes up 7,200 square feet with bunkers in front and back. The other idea was to offer different levels of challenge by changing the distance between the shore and the green.

"We were proposing a great deal, but his [Hagadone's] commitment to design was first class," adds Miller. "He was willing to make the investment in design, engineering, and construction, and brought in his own construction expert, John Barlow, to help work out details."

Miller and Barlow, who is vice president of Hagadone Corp., spent months evaluating three basic design concepts. "We recognized that there were a lot of skeptics who questioned the practicality of a floating green," Miller remarks. "If we succeeded, we'd be the first. If we failed, we'd never hear the end of it."

The first candidate was an inverted honeycomb made of steel. The second was a structure made out of a fiberglass and plastic composite. The third, and the eventual choice, was a system of concrete cells filled with polystyrene.

"The technology is the same used for concrete docks," says Barlow. "Bellingham Marine Industries [in Bellingham, WA] patented a technology called the Unifloat. It involves encasing big logs of expanded polystyrene in reinforced concrete. We asked Glosten & Associates [Seattle, WA], a naval engineering firm, to adapt the Unifloat and design a kidney-shaped floating green."

Basically, Glosten's design consisted of 104 concrete cells assembled in two layers. Each cell is 30 feet long, ten feet wide, and up to 41 inches high. The layers of cells are staggered like "Lego" blocks and then tied together with steel tension rods. This is the foundation of the vessel.

The complicated part of the project was to take this floating foundation and transform it into an island green shaped like a catcher's mitt. A computer was required to design the precise contour of the surface. "The center of gravity had to be monitored continually from design through construction," explains Barlow. "Each yard of soil or sand placed on top of the base had to be considered for its weight and location. The green was designed the same way a ship would be. It's really a naval vessel."

To satisfy weight and contour requirements, Glosten specified computer-shaped sections of styrofoam to create the mounds and undulations of the island's surface. The soil and USGA greens mix would be placed on top of the light foam. Provisions were made for five tree wells, two utility rooms, two large storage tanks for drainage, and the bunkers fore and aft. Two large anchor winches below the surface would move the green closer to or farther from the shore.

Hagadone selected Dix Corporation of Spokane, WA, to be the contractor. As Bellingham worked on the cells, the sections of styrofoam were shaped in British Columbia. A small bay three miles from the golf course was selected by Dix as a site for assembling the green. Piece by piece, the island took shape this past summer.

In the meantime, the rest of Miller's design was taking shape next to the resort under the supervision of superintendent Steve Maas. The year before, Maas had just



Hillside holes have view of Lake Coeur d'Alene.

completed the grow-in on Forest Highlands in Flagstaff, AZ, for Tom Wieskopf and Jay Moorish. He was preparing to build another course for the pair of designers in Scotland. Miller talked Maas into meeting with Hagadone at the GCSAA Show in Anaheim to discuss a project in northern Idaho.

"Looking back today, I'd have to say I was more excited about building a course with bentgrass fairways than I was about the floating green," Maas states. The superintendent had graduated from Penn State University, the origin of the Penn-series of bentgrasses. He'd previously worked at the Nicklaus-designed Country Club at Castle Pines in Castle Rock, CO. Miller had never met Maas, but had heard of his work at Forest Highlands and Castle Pines.

"It's hard to say no to Mr. Hagadone," Maas reflects. "He was clearly committed to golf and northern Idaho. That kind of dedication rubs off on you. So I found myself moving to Coeur d'Alene instead of Scotland."

When Maas arrived in 1989, he found the remnants of an old abandoned sawmill bordered on one side by the lake and on the other by a rocky mountain slope covered with Ponderosa pines. Miller wanted to preserve the natural features of the site and convert the flat mill yard into open rolling terrain. Thousands of truckloads of mill waste and spoils had to be removed and hauled to a landfill. Nearly two thirds of the site had to be restored before the earth could be contoured for the golf course.

Tees, bunkers, and greens had to be blasted out of rock on the four hillside holes. A creek was added to carry rainfall and melting snow from the mountain slopes. It meanders down through the linkslike mounds to the lake. "Water comes into play on most holes," says Maas. "We also added more than 300 Ponderosa pines to the interior to tie the forest with the lake. The entire course is landscaped with rhododendrons, Japanese maples, wild roses, azaleas, and dogwoods. Even the rest rooms are hidden beneath elevated tees."

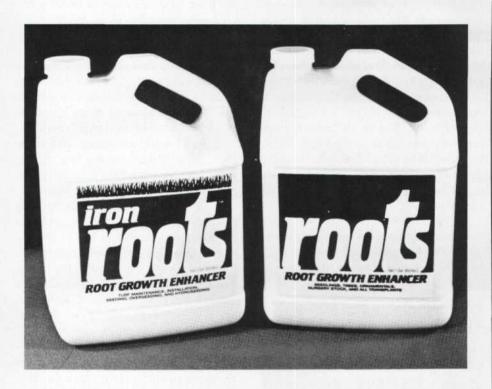
By September, Maas had the bentgrass tees, greens, and fairways and the Kentucky bluegrass roughs nearly ready for play. Bright white silica sand filled the 45 bunkers on the 6,300-yard layout. A Rain Bird Maxi IV with weather station was on line, controlling almost 1,400 valve-in-head sprinklers.

The final piece of the course floated in a bay three miles away. Dix had to give Maas enough time to sod the green before the scheduled October 1 unveiling. In addition to the floation structure and surface features, the vessel includes its own irrigation and drainage systems, cable winches, and two telescoping night lights.

Water from the lake is pumped to the sprinkler heads by a 25-hp submerged pump, but not a drop is returned to the lake. A plastic barrier beneath the green gathers all percolated water and directs it into two storage tanks. The drain water is then pumped through an underwater pipe to land where it is disposed of in a leach field. "We worked closely with the fish and wildlife people to protect the lake from any chemicals used on the green," said Miller.

The vessel draws five feet of water and rises five feet above the lake at its highest point. The sides above the waterline are covered with wood planks to match the seawall of the golf course. Three Austrian pines and two Washington hawthorns grow from large tree wells. Twelve inches of topsoil provide a growing media for the turf on the green banks. The typical 18-inch structure of pea gravel, sand, and organic matter makes up the USGA rootzone for the putting surface.

> continued on page 12 December, 1990 11



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## Resort Course

continued from page 11

With everything but the sod in place, boats tugged the five-million-pound green up the lake to the course. The journey took six hours. Upon arrival, the island was connected to two parallel lines of steel cable running from a few yards from shore to the bottom of the lake, nearly 300 yards out. Computer-controlled winches in a storage compartment of the island pull it to and from the shore. Once in place for the day, the winches tighten the cables to pull the vessel further down into the water for stability.

"I've been on the green in three-foot waves and it doesn't move at all," said Maas. "We maintain it like all the other greens on the course. We use a pontoon boat to get equipment and crew out to it. Since it's the 14th hole, we have a little extra time in the morning to work on it."

The floating green was the only one on the course that was sodded. Penncross sod was shipped to Coeur d"Alene from Illinois in refrigerated trucks in September. A number of trips by the pontoon boat were necessary to move the 7,000 square feet of sod from the resort's dock to the green. The green banks were then sodded with Kentucky bluegrass.

On October 1, the green was officially unveiled by Idaho Governor Cecil Andrus, four members of the Idaho Land Board, local dignitaries, Miller, Barlow, Jaeger, and Hagadone. Even though the course doesn't open until April, guests at the resort can see the illuminated green at night from the shore.

A custom water taxi will take golfers from the 14th tee to the green when the course opens. "One person will be hired to operate the taxi," Maas states. "It's covered so a second foursome can hit while the boat returns with the first."

For the next few months, the green will be positioned 270 yards off shore and covered with snow. The engineers had to consider that snow on the green can weigh up to 600,000 pounds.

Up to now, most resort guests have been skiers or conventiongoers.

Hagadone believes that many of his guests will return with their golf clubs this spring to play the course with the only floating, moveable green in the world. They won't even have to walk to the golf course. Water taxis will take them from the resort's dock to the Pro Shop, one mile away. Golf and water have never been mixed together quite like Coeur d'Alene.

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Basepath Conditioner    1      Blade Sharpeners    1      Blowers, Leaf/Litter    1      Chemical Injectors    1      Chippers, Wood/Brush    1      Core Collectors, Pulverizers    1
Blade Sharpeners    1      Blowers, Leaf/Litter    1      Chemical Injectors    1      Chippers, Wood/Brush    1      Core Collectors, Pulverizers    1
Chemical Injectors 1 Chippers, Wood/Brush 1 Core Collectors, Pulverizers 1
Chemical Injectors 1 Chippers, Wood/Brush 1 Core Collectors, Pulverizers 1
Chippers, Wood/Brush 1 Core Collectors, Pulverizers 1
Core Collectors, Pulverizers 1
D
Drags, Harrows 1
Edgers
Engines 1
Forklifts 1
Golf Carts
Hose
Hydraulic Mulcher/Seeder 1
Lighting
Lighting
Mowers, Flail
Mowers, Flail
Mowers, Reel
Mowers, Rotary
Pest Detection Kits 1
Pipe Pullers
Play Structures
Posthole Digger 1
Rakes, Landscape 1
Rockpickers
Rollers 1   Sand Trap Groomers 1
Scoreboards 1
Seating, Bleachers 1
Seed Pregerminator 1
Seeders
Snowblowers 1
Sod Cutters 1
Soil Mixer/Screener 1
Soil Testing Equipment 1
Spravers
Spray System Controller
Spreaders 1
Spreaders

#### Topdressers . 14 Trimmers, Brushcutters . . . . .15 Trucks

#### Chemicals

Aquatic Dyes	•				*				 					15
Aquatic Herbic														
Biostimulants														
Fertilizers														
Fumigants	-					14	2			4	4			15
Fungicides .														
Growth Regula														
Herbicides .														16
Insecticides .														16
Micronutrients														
Nematocides														
Soil Penetrants	8									•				16
Spray Pattern I	nd	lic	a	to	rs									16
Transpiration I	nh	nib	oit	01	S				 4				÷.	 16
Wetting Agent														

## Irrigation

inigation														
Backflow Preventers	4					*				+			.1	6
Controllers	-		•				•			÷			.1	6
Drainage Pipe	- 48						4					2	.1	6
Drip, Trickle, Low-Fl	ow	ħ.			•			•					.1	7
Filters						•							.1	7
Injection Proportioner	rs												.1	7
Irrigation, Other				•									.1	7
Moisture Sensors				•			*						.1	7
Pipe & Fittings		•			•	•	+	•		•7	•	•	.1	7
Pumping Systems				•	•	•		÷					.1	7
Repair Parts														
Sprinkler Heads														
<b>Travelling Sprinklers</b>				•		-	*		4				.1	7

#### Valves

#### Materials and Supplies

Absorbents/Soil Moisture A	ger	its	1					18
Artificial Turf Surfaces .			-					18
Basepath/Infield Mixes .			-			5	-	18
Covers, Rain/Snow								
Covers, Traffic/Winter		14	2		16	1		18
Edging			-					18
Goals, Nets								18
Golf Accessories								18
Hydraulic Mulch								18
Landscape Fabric								18
Marking Flags								18
Paint Stencils				4		*		18
Paints, Marking Materials	102		4					18
Playground Surfaces		-		4				19
Sand/Soil Mixes								19
Sharpening Compounds .								19
Signs								19
Soil Amendments								19
Soil Stabilizer								
Tines for Aerators						•		19
Fopdressing		•			*	*		19
Frack Surface		104	4		47			19
Free Root Barrier			4	4				19
Windscreens	-	-	-		4			19

#### Sood

Decu												
Bentgrass												20
Common Bermudagrass	5			÷	2		2					20
Fine Fescue			2			6		1		1		20
Hard Fescue												
Kentucky Bluegrass .												20
Overseeding Blends .									•			20
Perennial Ryegrass												20
Seed Coating												20
Tall Fescue	+)									*	•	20
Wildflowers		a.	*		•	4	×	•5	*			20
												-
<b>Alphabetical Listi</b>	n	g	S									21

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TOWN, IN MTD PRODUCTS CO., VALLEY CITY, OH

PRECISION SMALL ENGINES, POMPANO BEACH, FL

RANSOMES INC, ELM GROVE, WI SCAG POWER EQUIPMENT, MAYVILLE, WI

SIMPLICITY MFG, WEST ORANGE, NJ SNAPPER POWER EQUIPMENT, MC DONOUGH, GA

STEINER TURF EQUIPMENT, ORRVILLE, OH

STULL INDUSTRIES INC, CORONA, CA TORO COMPANY, MINNEAPOLIS, MN WALKER MFG CO, FT COLLINS, CO WHEEL HORSE, SOUTH BEND, IN WILLSEY-D, MAPLE HILL, KS WOODS DIV HESSTON CORP, OREGON, IL YAZOO MFG. CO., JACKSON, MS

#### PEST DETECTION KITS

AGRI-DIAGNOSTICS, CINNAMINSON, NJ NEOGEN CORP., LANSING, MI REUTER-STOKES, ONTARIO, CA

#### PIPE PULLERS

D. W. CLARK, WARWICKSHIRE, ENGLAND DAVISON INT. ASSOC., LUTON, ENGLAND DITCH WITCH, PERRY, OK LINEWARD, NAPERVILLE, IL MODUS T SYSTEMS, ONTARIO CANADA, TURFCO, MINNEAPOLIS, MN VERMEER, PELLA, IA

## PLAY STRUCTURES

BIG TOYS, TACOMA, WA COLUMBIA CASCADE, PORTLAND, OR CREATIVE PLAYGROUNDS LTD., SUN PRAIRIE, WI

CUSTOM STRUCTURES INC., BUTLER, PA GAMETIME, INC., FORT PAYNE, AL IRON MOUNTAIN FORGE, FARMINGTON, MO

MEXICO FORGE, DELANO, MN NATURAL STRUCTURES, SHERWOOD, OR PLAYWORLD SYSTEMS, NEW BERLIN, PA QUALITY INDUSTRIES, HILLSDALE, MI

## POSTHOLE DIGGER

FAIRMOUNT HYDRAULICS, FARIMOUNT, MN

FELDMANN ENGR & MFG, SHEBOYGAN FALLS, WI FORD NEW HOLLAND INC., NEW HOL-

LAND, PA

GROUND HOG INC, SAN BERNARDINO,

HOFFCO INC., RICHMOND, IN JOHN DEERE IND. EQUIP CO, MOLINE, IL KUBOTA, COMPTON, CA MELROE/BOBCAT, FARGO, ND MID DAKOTA CORP, GARRISON, ND STIHL INC, VIRGINIA BEACH, VA

## RAKES, LANDSCAPE

BANNERMAN, GORDON LTD., ONTARIO, CANADA

DABRO/SOLEX CORP., DIXON, CA E-Z RAKE, LEBANON, IN FUERST BROTHERS, GIBSON CITY, IL GILL INDUSTRIES, CHARLOTTE, NC GLENMAC-HARLEY DIV, JAMESTOWN, ND

ND GREAT PLAINS MFG. INC., ASSARIA, KS KROMER CO., MOUND, MN LELY PACIFIC, ALBANY, OR MELROE/BOBCAT, FARGO, ND METROTURF INC, FARMINGTON, MN MODUS T SYSTEMS, ONTARIO CANADA, PARTAC PEAT CORP, GREAT MEADOWS, NJ

TELEDYNE PRINCETON, CANAL WINCHESTER, OH YANKEE TURF PRODUCTS, N BRANFORD,

YORK MODERN CORP, UNADILLA, NY

#### ROCKPICKERS

GILL INDUSTRIES, CHARLOTTE, NC GLENMAC-HARLEY DIV, JAMESTOWN, ND

KEM ENTERPRISES INC., SEATTLE, WA MELROE/BOBCAT, FARGO, ND

## ROLLER

BROUWER TURF EQUIP LTD, ONTARIO, CANADA, DOUGLAS INDUSTRIES, LANTANA, FL PARTAC PEAT CORP, GREAT MEADOWS, NJ

YEAGER FORD TRACTOR, HILLSBORO, OR

## SAND TRAP GROOMERS

INGRAM MFG CO, DEL RIO, TX JOHN DEERE IND. EQUIP CO, MOLINE, IL SMITHCO INC, WAYNE, PA SMOOTHIE INC, TAMARAC, FL STEINER TURF EQUIPMENT, ORRVILLE, OH

TORO COMPANY, MINNEAPOLIS, MN

## SCOREBOARDS

ALL AMERICAN SCOREBOARDS, PARDEE-VILLE, WI

BSN SPORTS, DALLAS, TX

COLORADO TIME SYSTEMS, LOVELAND, CO

DAKTRONICS INC, BROOKINGS, SD FAIRPLAY SCOREBOARDS, DES MOINES, IA

FALLBROOK SPORTING GOODS,

FALLBROOK, CA FLAGHOUSE, INC, MOUNT VERNON, NY

NADEN INDUSTRIES, WEBSTER CITY, IA NEVCO, GREENVILLE, IL NORTH AMERICAN RECREATION, NEW HAVEN, CT

RECREONICS, INDIANAPOLIS, IN TOMARK SPORTS, INC., CORONA, CA U.S. GAMES, MELBOURNE, FL

## SEATING, BLEACHERS

ALUMAX, MAGNOLIA, AR AUTOMATIC DEVICES, INC., MARYLAND HEIGHTS, MO BETHEL CO, OCEANSIDE, CA BSN SPORTS, DALLAS, TX CENTURY INDUSTRIES INC., SELLERS-

BURG, IN

COUNTRY CASUAL, GERMANTOWN, MD CUSTOM STRUCTURES INC., BUTLER, PA FLAGHOUSE, INC., MOUNT VERNON, NY GAMETIME, INC., FORT PAYNE, AL GARED CO., ST. LOUIS, MO HANNAH INDUSTRIES INC, ENTERPRISE,

AI

IRON MOUNTAIN FORGE, FARMINGTON, MO

J.E. BURKE CO., FOND DU LAC, WI KAY PARK RECREATION CORP., JANES-VILLE, IA

MEXIĆO FORGE, DELANO, MN NORTH AMERICAN RECREATION, NEW HAVEN, CT

HAVEN, CI PLAYWORLD SYSTEMS, NEW BERLIN, PA QUALITY INDUSTRIES, HILLSDALE, MI RECREONICS, INDIANAPOLIS, IN RELIABLE SEATING, GENEVA, AL RJ THOMAS MFG. CO., CHEROKEE, IA SAFWAY STEEL PRODUCTS, MILWAUKEE WI

MILWAUKEE, WI SOUTHERN ALUMINUM, MAGNOLIA, AR SOUTHERN BLEACHER CO., GRAHAM, TX SPORT SEATING CO. INC., EMMAUS, PA STADIUMS UNLTD INC, GRINNELL, IA TANDEM PRODUCTS INC., BLOOMING PRAIRIE, MN

TOMARK SPORTS, INC., CORONA, CA

## SEED PREGERMINATOR

LIOUID SOD, INC, BRIGHTON, MI

## SEEDERS

BANNERMAN LTD., GORDON, ONTARIO, CANADA

BEFCO INC., ROCKY MOUNTAIN, NC BRILLION IRON WORKS INC., BRILLION, WI

BROUWER TURF EQUIP LTD, ONTARIO, CANADA,

CLASSEN MFG., NORFOLK, NE CUSHMAN INC., LINCOLN, NE GILL INDUSTRIES, CHARLOTTE, NC GREAT PLAINS MFG. INC., ASSARIA, KS HERD SEEDER CO., LOGANSPORT, IN HOLLAND EQUIPMENT, ONTARIO CAN-ADA,

JACOBSON/TEXTRON, RACINE, WI LESCO, ROCKY RIVER, OH OLATHE MFG CO, INDUST AIRPORT, KS SALSCO, CHESHIRE, CT SCOTTS-PROTURF, MARYSVILLE, OH TYE COMPANY, LOCKNEY, TX VICON, INC., MEMPHIS, TN

## SNOWBLOWERS

CUSHMAN INC., LINCOLN, NE EXCEL INDUSTRIES, HESSTON, KS GRASSHOPPER, MOUNDRIDGE, KS GRAVELY INTL SYSTEM, CLEMMONS, NC HAKO INTERNATIONAL, VIRGINIA BEACH, VA JACOBSON/TEXTRON, RACINE, WI

JOHN DEERE IND. EQUIP CO, MOLINE, IL KIOTI TRACTOR INC., PORTLAND, OR KUBOTA, COMPTON, CA SNAPPER POWER EQUIPMENT, MC DONOUGH, GA SWEEPSTER JENKINS EQUIP, DEXTER, MI TORO COMPANY, MINNEAPOLIS, MN

#### SOD CUTTERS

BROUWER TURF EQUIP LTD, ONTARIO, CANADA. CUSHMAN INC., LINCOLN, NE TELEDYNE PRINCETON, CANAL WINCHESTER, OH TURFCO, MINNEAPOLIS, MN

## SOIL MIXER/SCREENER

LINDIG MFG. CO., ST. PAUL, MN OLATHE MFG., OLATHE, KS READ CORP, MIDDLEBORO, MA ROYER INDUSTRIES INC., KINGSTON, PA

## SOIL TESTING EQUIPMENT

KARSTEN TURF CO, PHOENIX, AZ KEL INSTRUMENTS, VINEYARD HAVEN, MA

LAMOTTE CHEMICAL PROD, CHESTER-TOWN, MD LANG PENETROMETER, GULF SHORES,

AL

SCOTTS-PROTURF, MARYSVILLE, OH SUN POLE, FRESNO, CA TERRACARE, PARDEEVILLE, WI TURF-TEC INTERNATIONAL, NORTH MIAMI, FL

## SPRAYERS

AGROTEC INC, PENDLETON, NC BEN MEADOWS COMPANY, ATLANTA, GA BROYHILL COMPANY, DAKOTA CITY, NE C & S INDUSTRIES, CANTON, OH CUSHMAN INC., LINCOLN, NE DETHMERS MANUFACTURING, BOYDEN, IA

DOBBINS INC, GARDEN GROVE, CA

ENCAP PRODUCTS CO., MT. PROSPECT, II FMC CORP, JONESBORO, AR GREEN PRO SERVICES, HEMPSTEAD, NY HAHN INC, EVANSVILLE, IN JACOBSON/TEXTRON, RACINE, WI KROMER CO., MOUND, MN LESCO, ROCKY RIVER, OH MARUYAMA U.S. INC, REDMOND, WA MASTER MFG. CO., SIOUX CITY, IA MID DAKOTA CORP, GARRISON, ND MYERS, F.E., ASHLAND, OH NORTH AMERICAN MICRON, REEDLEY, CA ENCAP PRODUCTS CO., MT. PROSPECT, IL CA OLATHE MFG CO, INDUST AIRPORT, KS POINTED SPECIALTY COMPANY,

LIBERTYVILLE, IL LIBERTYVILLE, IL SMITHCO INC, WAYNE, PA SNOW MFG. INC., KERMAN, CA SOLO INC, NEWPORT NEWS, VA SPRAYING DEVICES, VISALIA, CA STIHL INC, VIRGINIA BEACH, VA THERMO-FOGGER CO, LIBERTYVILLE, IL VANDERMOLEN CORP., LIVINGSTON, NJ WESTHEFFER CO., LAWRENCE, KS WHEEL SPRAY, DELAETELD, WI WHEEL SPRAY, DELAFIELD, WI

## SPRAY SYSTEM CONTROLLER

CUSHMAN INC., LINCOLN, NE DICKEY-JOHN, AUBURN, IL HAHN INC., EVANSVILLE, IN MICRO-TRAC SYSTEMS, MANKATO, MN RAVEN INDUSTRIES, SIOUX FALLS, SD SPRAYING SYSTEMS, WHEATON, IL

#### SPREADERS

BEFCO INC., ROCKY MOUNTAIN, NC BLUE RIVER EQUIPMENT CO, LITCHFIELD, IL COUNTRY MFG. INC., FREDERICKTOWN, OH CUSHMAN INC., LINCOLN, NE CYCLONE/TRUE TEMPER, SHIREMANS-TOWN, PA EARTHWAY PRODUCTS INC, BRISTOL, IN GANDY CO., OWATONNA, MN HAHN INC, EVANSVILLE, IN JOHN DEERE IND. EQUIP CO, MOLINE, IL JOHN DEERE IND. EQUIP CO, MOLINE, II LELY PACIFIC, ALBANY, OR LESCO, ROCKY RIVER, OH MARUYAMA U.S. INC, REDMOND, WA OLATHE MFG CO, INDUST AIRPORT, KS PSB CO., COLUMBUS, OH SALSCO, CHESHIRE, CT SCOTTS-PROTURF, MARYSVILLE, OH SPYKER SPREADER WORKS, N. MAN-CHESTER, IN VANDERMOLEN CORP., LIVINGSTON, NJ VICON, INC., MEMPHIS, TN WESTHEFFER CO., LAWRENCE, KS WORKSAVER, INC., LITCHFIELD, IL

## SWEEPERS/VACUUMS

AGRIMETAL, WICKHAM QUEBEC, CANADA ATWATER STRONG, AKRON, OH BILLY GOAT INDUSTRIES, LEES SUMMIT, MO BROUWER TURF EQUIP LTD, ONTARIO, CANADA, BUNTON MFG CO, LOUISVILLE, KY COUNTRY MFG. INC., FREDERICKTOWN, OH CUSHMAN INC., LINCOLN, NE E-Z RAKE, LEBANON, IN E-Z RAKE, LEBANON, IN EXCEL INDUSTRIES, HESSTON, KS GANDY CO., OWATONNA, MN GIANT-VAC, S. WINDHAM, CT GOOSSEN INDUSTRIES, BEATRICE, NE GRASSHOPPER, MOUNDRIDGE, KS GREEN MACHINE, LONG BEACH, CA HAKO INTERNATIONAL, VIRGINIA

BEACH, VA

HOLLOWELL ENGINEERING, WYAN-DOTTE, MI INGERSOLL EQUIPMENT CO., WINNECONNE, WI JACOBSON/TEXTRON, RACINE, WI JOHN DEERE IND. EQUIP CO, MOLINE, IL KUBOTA, COMPTON, CA MELROE/BOBCAT, FARGO, ND MODUS T SYSTEMS, ONTARIO CANADA, MR AIR SWEEPER INC, SAN JOSE, CA OLATHE MFG CO, INDUST AIRPORT, KS PARKER SWEEPER, SPRINGFIELD, OH PROMARK PRODUCTS INC., CITY OF INDUSTRY, CA SALSCO, CHESHIRE, CT STEINER TURF EQUIPMENT, ORRVILLE,

OH

SWEEPSTER JENKINS EQUIP, DEXTER, MI TENNANT MAINTENANCE CO., MINNEAP-OLIS, MN

TORO COMPANY, MINNEAPOLIS, MN TURF VAC, SIGNAL HILL, CA

## TOPDRESSERS

BANNERMAN LTD., GORDON, ONTARIO CANADA

CANADA CUSHMAN INC., LINCOLN, NE DABRO/SOLEX CORP., DIXON, CA EMREX, INC., TUNKHANNOCK, PA GREENCARE INT., HUNTINGTON BCH, CA HAHN INC, EVANSVILLE, IN MODUS T SYSTEMS, ONTARIO CANADA, MULTI-TURF SPECIALISTS, DELTA, BC, CANADA

OLATHE MFG. CO., OLATHE, KS TERRACARE PRODUCTS, PARDEEVILLE, WI

TURFCO, MINNEAPOLIS, MN

## TARP ROLLER

TARP MACHINE, CHARDON, OH

## TRACTORS

ALLIS CHALMERS, MILWAUKEE, WI ARIENS, BRILLION, WI BOLENS CORP., PT WASHINGTON, WI BUNTON MFG CO, LOUISVILLE, KY CATERPILLAR, PEORIA, IL FORD NEW HOLLAND INC., NEW HOL-LAND, PA

GRAVELY INTL SYSTEM, CLEMMONS, NC

INGERSOLL EQUIPMENT CO., WINNECONNE, WI JICASE COMPANY, RACINE, WI JACOBSON/TEXTRON, RACINE, WI JACOBSON/TEXTRON, RACINE, WI JOHN DEERE IND. EQUIP CO, MOLINE, IL KIOTI TRACTOR INC., PORTLAND, OR KUBOTA, COMPTON, CA LELY PACIFIC, ALBANY, OR MTD PRODUCTS CO., VALLEY CITY, OH RANSOMES INC, ELM GROVE, WI SATOH TRACTORS, NEW YORK, NY SIMPLICITY MFG, WEST ORANGE, NJ SNAPPER POWER EQUIPMENT, MC DONOLIGH, GA

DONOUGH, GA

STEINER TURF EQUIPMENT, ORRVILLE, OH

TORO COMPANY, MINNEAPOLIS, MN WHEEL HORSE, SOUTH BEND, IN YANMAR, BENSENVILLE, IL

#### TRAILERS

BELL EQUIPMENT CO., SAN JOSE, CA COUNTRY MFG., INC., FREDERICKTOWN, OH

STAR CITY FABRICATION, MONTEVIDEO, MN

#### TRENCHERS

AMERICAN TRENCHER, DELHI, IA BROWN MFG. CORP., OZARK, AL BURKEEN MFG. CO., OLIVE BRANCH, MS D W CLARK, WARWICKSHIRE, ENGLAND DAVISON INT. ASSOC., LUTON, ENGLAND DITCH WITCH, PERRY, OK DITCHER SAW CO, ST. MARYS, WV DU-AL MFG. CO., SIOUX FALLS, SD E-Z TRENCH, LORIS, SC GROUND HOG INC, SAN BERNARDINO, CA

MELROE/BOBCAT, FARGO, ND SEAMAN PARSONS, MILWAUKEE, WI T. H. RILEY MFG, LEHIGH ACRES, FL VERMEER, PELLA, IA

## TRIMMERS, BRUSHCUTTERS

BEAIRD-POULAN, SHREVEPORT, LA BUNTON MFG CO, LOUISVILLE, KY DONUTTRIMMER EQUIPMENT INC., BOCA RATON, FL GREEN MACHINE, LONG BEACH, CA HOFFCO INC., RICHMOND, IN JACOBSON/TEXTRON, RACINE, WI JOHN DEERE IND. EQUIP CO, MOLINE, IL LESCO, ROCKY RIVER, OH LITTLE WONDER, SOUTHAMPTON, PA MAIBO, INC., KINGSPORT, TN MARUYAMA U.S. INC, REDMOND, WA PRECISION SMALL ENGINE, POMPANO BEACH, FL SHINDAIWA INC., TUALATIN, OR SNAPPER POWER EQUIPMENT, MC DONOUGH, GA

SOLO INC, NEWPORT NEWS, VA STIHL INC, VIRGINIA BEACH, VA TANAKA (USA) CO LTD., BOTHELL, WA TORO COMPANY, MINNEAPOLIS, MN

#### AQUATIC DYES

AQUASHADE INC, ELDRED, NY DOLGE/ROCHESTER MIDLAND, ROCHESTER, NY PRECISION LABORATORIES, NORTHBROOK, IL

## AQUATIC HERBICIDES

APPLIED BIOCHEMISTS INC, MEQUON, WI CIBA-GEIGY CORP, GREENSBORO, NC ELANCO PRODUCTS, INDIANAPOLIS, IN GREAT LAKES BIOCHEMICAL, MILWAUKEE, WI LESCO, ROCKY RIVER, OH MONSANTO CHEMICAL CO., ST LOUIS, MO

PENNWALT CORP., PHILADELPHIA, PA UNIROYAL CHEMICAL, MIDDLEBURY, CT VALENT USA CORP, WALNUT CREEK, CA

## BIOSTIMULANTS

AGRI-MART, INC., HUDSON, FL BIO-TURF, HILTON HEAD, SC EMERALD ISLE LTD., ANN ARBOR, MI RINGER CORP., MINNEAPOLIS, MN ROOTS, INC., NEW HAVEN, CT SOIL TECHNOLOGIES CORP., FAIRFIELD, IA

## FERTILIZERS

ANDERSONS, THE, MAUMEE, OH C P CHEMICAL CO, WHITE PLAINS, NY C.I.L., LTD., ONTARIO, CANADA CLEARY, W.A., SOMERSET, NJ CORON CORPORATION CO, SOUDERTON, PA

CSI CHEMICAL CORP., BONDURANT, IA

VANDERMOLEN CORP., LIVINGSTON, NJ WESTHEFFER CO., LAWRENCE, KS

#### TRUCKS

AMERICAN ISUZU CORP, S. EL MONTE, CA

DODGE TRUCK CORP., DETROIT, MI FORD TRUCK DIV., DETROIT, MI NISSAN MOTOR CÓRP USA, GARDENA, CA

#### TURF VEHICLES

CHI INDUSTRIES, BENTON HARBOR, MI CHIKUSUI/TCI EQUIPMENT, GLENDALE, CA

CLUB CAR, AUGUSTA, GA CUSHMAN INC., LINCOLN, NE DAIHATSU AMERICA INC, LOS ALAMITOS, CA E-Z-GO, AUGUSTA, GA HAHN INC, EVANSVILLE, IN HAUL MASTER, MENDOTA, IL JOHN DEERE IND. EQUIP CO, MOLINE, IL KAWASAKI MOTOR CORP., SANTA ANA, CA

KROMER CO., MOUND, MN MITSUBISHI MOTOR SALES AMERICA, CYPRESS, CA SALSCO, CHESHIRE, CT SMITHCO INC, WAYNE, PA TAYLOR-DUNN, ANAHEIM, CA TERRAIN VEHICLES, ADDISON, IL TORO COMPANY, MINNEAPOLIS, MN TRIDENT MOTORS, COLUMBUS, OH YAMAHA MOTOR CORP, BUENA PARK, CA

## CHEMICALS

DOGGETT CORP, LEBANON, NJ ECO SOIL SYSTEMS, LINCOLN, NE GARFIELD WILLIAMSON, FAIRFIELD, NJ GREAT SALT LAKE MINERALS & CHEMI-

CALS, OGDEN, UT GREEN PRO SERVICES, HEMPSTEAD, NY GRO-POWER, EL MONTE, CA GROWTH PRODUCTS, WHITE PLAINS, NY HOWARD JOHNSON'S ENT., MILWAUKEE, WI

WI HUMATE INTERNATIONAL, INC., JACK-SONVILLE, FL HUMAX CORP., SALT LAKE CITY, UT J J MAUGET, LOS ANGELES, CA J R SIMPLOT, LATHROP, CA JRM CHEMICAL INC., CLEVELAND, OH KARSTEN TURF CO, PHOENIX, AZ KELLOGG SUPPLY INC., CARSON, CA KOOS SHORE, KENOSHA, WI LEBANON CHEMICAL, LEBANON, PA LESCO, ROCKY RIVER, OH MELAMINE CHEMICALS, DONALDSON-VILLE, LA

MILORGANITE, MILWAUKEE, WI MONSANTO CHEMICAL CO., ST LOUIS, MO

NATL. LIQUID FERTILIZER, CHICAGO, IL NATL RESEARCH & CHEMICAL CO, GARDENA, CA

NICE'N GREEN, ROMEOVILLE, II NOR AM CHEMICAL CO, WILMINGTON, DE

OPTI-GRO, DALLAS, TX PAR EX, WINTER HAVEN, FL PBI GORDON CORP, KANSAS CITY, MO PLANT MARVEL, CHICAGO HEIGHTS, IL R G B LABORATORIES INC, KANSAS

CITY, MO REGAL CHEMICAL CO., ALPHARETTA, GA RINGER CORP, MINNEAPOLIS, MN ROOTS, INC., NEW HAVEN, CT SCOTTS-PROTURF, MARYSVILLE, OH

## VERTICUTTERS. THATCHERS

BLUEBIRD INT., ENGLEWOOD, CO BROUWER TURF EOUIP LTD, ONTARIO, CANADA

DUNTON MFG CO, LOUISVILLE, KY CUSHMAN INC., LINCOLN, NE DANDL MFG. CO., CHICO, CA HAHN INC, EVANSVILLE, IN HAKO INTERNATIONAL, VIRGINIA BEACH, VA JACOBSON/TEXTRON, RACINE, WI

JACOBSON/TEXTRON, RACINE, WI JOHN DEERE IND. EQUIP CO, MOLINE, IL LELY PACIFIC, ALBANY, OR LESCO, ROCKY RIVER, OH MODUS T SYSTEMS, ONTARIO CANADA, NATIONAL MOWER CO., ST PAUL, MN OLATHE MFG CO, INDUST AIRPORT, KS PARKER SWEEPER, SPRINGFIELD, OH RANSOMES INC, ELM GROVE, WI ROSEMAN MOWER, GLENVIEW, IL SALSCO, CHESHIRE, CT SNAPPER POWER EQUIPMENT, MC DONOUGH, GA TORO COMPANY, MINNEAPOLIS, MN

WATER REMOVAL

MACHINES KURANDA USA, ANNAPOLIS, MD PARTAC PEAT CORP, GREAT MEADOWS,

NJ WATER HOG, INC., WOBURN, MA

SIERRA CROP PROTECTION CO, MILPI-TAS, CA SOUTHERN TURF NURSERIES, NORCROSS, GA UNITED AGRI PRODUCTS, FREMONT, NE WARRENS TURF NURSERY, CRYSTAL LAKE, IL WILSON & GEO MEYER & CO, S. SAN FRANCISCO, CA FUMIGANTS

HENDRIX AND DAIL, INC., TIFTON, GA ICI AMERICAS/AG CHEM DIV, WILMINGTON, DE LOVELAND INDUSTRIES, INC., GREELEY, CO

NOR AM CHEMICAL CO, WILMINGTON, DE

## FUNGICIDES

ANDERSONS, THE, MAUMEE, OH CIBA-GEIGY CORP, GREENSBORO, NC CLEARY, W.A., SOMERSET, NJ DOWELANCO, INDIANAPOLIS, IN DU PONT AG CHEMICALS, WILMINGTON, DE FERMENTA PLANT PROTECTION, MENTOR, OH GARFIELD WILLIAMSON, FAIRFIELD, NJ GARFIELD WILLIAMSON, FAIRFIELD, NJ GRACE SIERRA, MILPITAS, CA GUSTAFSON INC, PLANO, TX J J MAUGET, LOS ANGELES, CA LEBANON CHEMICAL, LEBANON, PA LESCO, ROCKY RIVER, OH MOBAY CHEMICAL CORP, KANSAS CITY, MO NOR AM CHEMICAL CO, WILMINGTON, DE

PBI GORDON CORP, KANSAS CITY, MO PENNWALT CORP., PHILADELPHIA, PA

RHONE POULENC, RESEARCH TRIANGLE PARK, NC

SCOTTS-PROTURF, MARYSVILLE, OH SIERRA CROP PROTECTION CO, MILPI-TAS, CA UNIROYAL CHEMICAL, MIDDLEBURY, CT

VALENT USA CORP, WALNUT CREEK, CA

## GROWTH REGULATOR

DOWELANCO, INDIANAPOLIS, IN GARFIELD WILLIAMSON, FAIRFIELD, NJ LEBANON CHEMICAL, LEBANON, PA LESCO, ROCKY RIVER, OH MONSANTO CHEMICAL CO., ST LOUIS,

MO PBI GORDON CORP, KANSAS CITY, MO SCOTTS-PROTURF, MARYSVILLE, OH UNIROYAL CHEMICAL, MIDDLEBURY, CT VALENT USA CORP, WALNUT CREEK, CA

## HERBICIDES

AMERICAN CYANAMID, WAYNE, NJ ANDERSONS, THE, MAUMEE, OH BASF CORP., CHEM. DIV., PARSIPPANY, NJ

CIBA-GEIGY CORP, GREENSBORO, NC DOWELANCO, INDIANAPOLIS, IN FERMENTA PLANT PROTECTION, MENTOR, OH

HOECHST-ROUSSEL AGRI-VET, SOMERVILLE, NJ

ICI AMERICAS/AG CHEM DIV, WILMINGTON, DE

LEBANON CHEMICAL, LEBANON, PA LESCO, ROCKY RIVER, OH MOBAY CHEMICAL CORP, KANSAS CITY,

MO

MONSANTO CHEMICAL CO., ST LOUIS, MO

NOR AM CHEMICAL CO, WILMINGTON, DE

PBI GORDON CORP, KANSAS CITY, MO PENNWALT CORP., PHILADELPHIA, PA REGAL CHEMICAL CO., ALPHARETTA, GA RHONE POULENC, RESEARCH TRIANGLE PARK, NC

RIVERDALE CHEMICAL CO., GLENWOOD, IL

SANDOZ CROP PROTECTION, CHICAGO, IL

SCOTTS-PROTURF, MARYSVILLE, OH

## BACKFLOW PREVENTERS

FEBCO SALES INC, FRESNO, CA HERSEY PRODUCTS INC, DEDHAM, MA RAIN BIRD (GOLF DIV), GLENDORA, CA WILKINS REGULATOR DIV., PASO ROBLES, CA

## CONTROLLERS

AQUAMETRICS, SAN DIEGO, CA BATROW, SHORT BEACH, CT BUCKNER, FRESNO, CA CALSENSE CORP, CARLSBAD, CA CHAMPION SPRINKLER EQUIP, LOS ANGELES, CA CONSERVATION TECHNOLOGIES, LOS OSOS, CA GRISWOLD CONTROLS, IRVINE, CA HARDIE IRRIGATION, LAGUNA NIGUEL, CA

IMPERIAL UNDERGROUND SPRINKLER, LENEXA, KS IRRI-TROL/GARDENAMERICA, CARSON SIERRA CROP PROTECTION CO, MILPI-

TAS, CA UNIROYAL CHEMICAL, MIDDLEBURY, CT VALENT USA CORP, WALNUT CREEK, CA ZOECON CORP., CHICAGO, IL

## INSECTICIDES

AMERICAN CYANAMID, WAYNE, NJ ANDERSONS, THE, MAUMEE, OH CIBA GEIGY CORP., GREENSBORO, NC DOWELANCO, INDIANAPOLIS, IN ICI AMERICAS, WILMINGTON, DE JJ. MAUGET, LOS ANGELES, CA LEBANON CHEMICAL, LEBANON, PA LESCO INC, ROCKY RIVER, OH MOBAY CHEMICAL CORP., KANSAS CITY, MO CITY, MO

MONSANTO CHEMICAL CO., ST. LOUIS, MO

NOR-AM CHEMICAL CO., WILMINGTON, DE

PBI GORDON CORP., KANSAS CITY, MO PENNWALT CORP., PHILADELPHIA, PA REUTER LABORATORIES INC., MANASSAS PARK, VA RHONE POULENC AGRIC. CO., RESEARCH

TRIANGLE PARK, NC SAFER INC., ST. LOUIS, MO

SANDOZ CROP PROTECTION, CHICAGO, IL

SCOTTS PROTURF, MARYSVILLE, OH SIERRA CROP PROTECTION CO., MILPITAS, CA VALENT ÚSA CORP., WALNUT CREEK, CA ZOECON CORP., CHICAGO, IL

## MICRONUTRIENTS

AMPEL CO., DES MOINES, IA AMPEL CO., DES MOINES, IA CSI CHEMICAL CORP., BONDURANT, IA DOGGETT CORP, LEBANON, NJ EMERALD ISLE LTD, ANN ARBOR, MI IRONITE PROD. CO., SCOTTSDALE, AZ KARSTEN TURF CO, PHOENIX, AZ NATIONAL RESEARCH & CHEMICAL CO, GARDENA CA GARDENA, CA OPTI-GRO, DALLAS, TX PBI GORDON CORP, KANSAS CITY, MO PLANT MARVEL, CHICAGO HTS., IL

R G B LABORATORIES INC, KANSAS CITY, MO

RHONE POULENC, RES TRI PK, NC RUFFIN, INC., DODGE CITY, KS SCOTTS-PROTURF, MARYSVILLE, OH

## IRRIGATION

CITY, NV MOTOROLA IRRIGATION, RANCHO COR-DOVA, CA OASIS CONTROL SYSTEMS, CHATSWORTH, CA PHOTOCOMM, INC., ESCONDIDO, CA QUICK RAIN, MIAMI, FL RAIN BIRD (GOLF DIV), GLENDORA, CA RAINMASTER, SIMI VALLEY, CA REMOTE CONTROL TECHNOLOGY, REDMOND, WA RICHDEL/GARDENAMERICA, CARSON CITY, NV SELECTRIC INC, UMATILLA, OR SOLATROL, SAN DIEGO, CA SUPERIOR CONTROLS, VALENCIA, CA TORO IRRIGATION (GOLF), RIVERSIDE, CA

VALCON IRRIGATION, S. EL MONTE, CA WEATHER-MATIC/TELSCO, DALLAS, TX

DRAINAGE PIPE A.C.F., INC., RICHMOND, VA ADVANCED DRAINAGE SYSTEMS.,

## NEMATOCIDES

IGENE BIOTECHNOLOGY, COLUMBIA, MD MOBAY CHEMICAL CORP., KANSAS CITY, MO RHONE POULENCE AGRIC. CO. RESEARCH TRIANGLE PARK, NC

SOIL PENETRANTS

DOLGE/ROCHESTER MIDLAND, ROCHESTER, NY FOUR STAR SERVICES, BLUFFTON, IN

## SPRAY PATTERN INDICATORS

BECKER-UNDERWOOD CO, AMES, IA KALO, OVERLAND PARK, KS LESCO, ROCKY RIVER, OH MILLIKEN CHEMICALS, INMAN, SC PRECISION LABORATORIES, NORTHBROOK, IL REGAL CHEMICAL CO., ALPHARETTA, GA RICHWAY INDUSTRIES, JANESVILLE, IA SIERRA CROP PROTECTION CO. MILPITAS, CA

## TRANSPIRATION INHIBITORS

AQUATROLS CORP OF AMERICA, PENNSAUKEN, NJ CLEARY, W.A., SOMERSET, NJ EASY GARDENER INC, WACO, TX PBI GORDON CORP, KANSAS CITY, MO WILT-PRUF PRODUCTS, GREENWICH, CT

## WETTING AGENTS

AQUA-AIDE, WHITE MARSH, MD AQUATROLS CORP OF AMERICA, PENNSAUKEN, NJ CEX CHEMICAL GROUP, CHARLOTTE, NC FOUR STAR SERVICES, BLUFFTON, IN KALO, OVERLAND PARK, KS KARSTEN TURF CO, PHOENIX, AZ LESCO, ROCKY RIVER, OH OPTI-GRO, DALLAS, TX PBI GORDON CORP, KANSAS CITY, MO SIERRA CROP PROTECTION CO, MILPITAS, CA

COLUMBUS, OH

AKZO INDUSTRIAL, ASHEVILLE, NC AQUA-TECH INTERNATIONAL, BELLE-VUE, WA

BLUNK'S SUPPLY INC., BRIDGEVIEW, IL BURCAN MFG, INC, WHITBY ONTARIO, CANADA

CAMBRIDGE SOIL SERVICES, SANTA CRUZ, CA

DAVISON INT. ASSOC., LUTON, ENGLAND DRAINAGE PRODUCTS INC., OCEANSIDE, CA

EEE ZZZ LAY DRAIN CO., PIGWAH FOR-

EST, NC ELJEN/MASTER DIST. INC., DENVER, CO GEO MAT SURFACES, INC., LOUISVILLE, KY

GREENSTREAK, ST. LOUIS, MO HANCOR INC., FINDLAY, OH JDR ENTERPRISES INC, ALPHARETTA, GA LIDCO, BRAWLEY, CA LUNDIN, CHARLOTTE, NC NATL DIVERSIFIED SALES, NEWBURY PARK, CA

PRO DRAIN SYSTEMS, HIGHLAND, MI TURF DRAINAGE CO., MARRERO, LA WARRENS SPECIAL PRODUCTS, SUISUN CITY, CA WILKINS DRAINAGE, VALENCIA, CA

> DRIP, TRICKLE, LOW-FLOW

AGRIFIM IRRIGATION PROD. INC., FRESNO, CA

EFCO INC, NORTH HOLLYWOOD, CA ENTEK CORP., GRAPEVINE, TX MICROJET IRRIGATION SYS, ORLANDO,

MOISTURE SYSTEMS, GLASTONBURY, CT OLSON IRRIGATION SYSTEMS, SANTEE, CA

PEPCO EXTRUDED PRODUCTS, FRESNO, CA

RAIN BIRD (GOLF DIV), GLENDORA, CA SALCO PRODUCTS INC, HAWTHORNE, CA SENNINGER IRRIGATION INC, ORLANDO, FI

THAYER IND INC, DUNDEE, FL TORO IRRIGATION (GOLF), RIVERSIDE, CA

UNDERGROUND IRRIGATION SYSTEM INC., OVERLAND PARK, KS

## FILTERS

AMIAD USA, VAN NUYS, CA CLAUDE LAVAL CORP, FRESNO, CA EFCO INC, NORTH HOLLYWOOD, CA FILTOMAT INC., LOS ANGELES, CA LAKE COMPANY, BAKERSFIELD, CA LAKOS, FRESNO, CA OLSON IRRIGATION SYSTEMS, SANTEE, CA

PERFECTION SPRINKLER CO, ANN ARBOR, MI PUMPING SYSTEMS, INC., DALLAS, TX SYNCROFLO, INC., NORCROSS, GA VU FLOW FILTERS, SATELLITE BEACH, FL

## INJECTION PROPORTIONERS

AMIAD USA, VAN NUYS, CA AQUATROLS CORP OF AMERICA, PENNSAUKEN, NJ CHEMIGATION SYSTEMS, MONTELLO, WI INJECT-O-METER, CLOVIS, NM J F EQUIPMENT COMPANY, LEWISVILLE, TX

KALO, INC., OVERLAND PARK, KS KARSTEN TURF CO, PHOENIX, AZ LESCO, ROCKY RIVER, OH MAZZEI INJECTOR CORP., BAKERSFIELD, CA NATIONAL TURF SYSTEMS INC, STAF-

FORD, TX OASIS WAY, MERIDIAN, ID OPTI-GRO, DALLAS, TX PUMPING SYSTEMS, DALLAS, TX S&S WEST MFG. CO., RICHLAND, WA TFS SYSTEMS, SANTEE, CA TRICKLE SOAK SYSTEMS, SANTEE, CA

## **IRRIGATION, OTHER**

3M/ELECTRICAL PRODUCTS, ST. PAUL, MN AGRICULTURAL PRODUCTS INC, SUN VALLEY, CA AMERICAN MARKING CORP, OMAHA, NE AMERICAN MARKING CORF, OMAHA, AMETEK, SHEBOYGAN, WI BARON WIRE & CABLE, CHICAGO, IL BATROW, SHORT BEACH, CT BRIAN R. WHITE, UKIAH, CA CARSON INDUSTRIES, LA VERNE, CA CROSS BROTHERS, COMMERCE, CA DATA INDUSTRIAL, POCASSET, MA

GEORGE FISCHER SIGNET, TUSTIN, CA GRISWOLD CONTROLS, IRVINE, CA HIT PRODUCTS CORP., LINDSAY, CA I P S WELD-ON, GARDENA, CA IMPERIAL UNDERGROUND SPRINKLER CO., LENEXA, KS

IRRIGATION MANAGEMENT SYSTEMS, FRESNO, CA

KING IRRIGATION PRODUCTS, ST LOUIS, MO

LE MEUR WELDING & MFG, FONTANA, CA

NATIONAL IRRIGATION SPECIALIST, ANAHEIM, CA

NEPTUNE RESEARCH, W PALM BEACH, FL PRECISION PLUMBING PRODUCTS INC., PORTLAND, OR

PROGRESSIVE ELECTRONICS, MESA, AZ RAINMASTER, SIMI VALLEY, CA REMOTE CONTROL TECHNOLOGY, RED-MOND, WA

RONK ELECTRICAL, NOKOMIS, IL T. CHRISTY ENTERPRISES, ORANGE, CA TORO IRRIGATION (GOLF), RIVERSIDE, CA

TSM COMPANY, BRYTE, CA

#### MOISTURE SENSORS

AQUATERR INSTRUMENTS, FREMONT, CA

CALSENSE CORP, CARLSBAD, CA CONSERVATION TECHNOLOGIES, WESTERVILLE, OH CPN CORP, MARTINEZ, CA GLEN HILTON PRODUCTS INC, RICHMOND, VA GRISWOLD CONTROLS, IRVINE, CA IRROMETER CO, RIVERSIDE, CA KARSTEN TURF CO, PHOENIX, AZ SYSTEMATIC IRRIGATION CONTROLS, COSTA MESA, CA TORO IRRIGATION, RIVERSIDE, CA TURF-TEC INTERNATIONAL, NORTH MIAMI, FL WATER CONSERVATION SYSTEMS, CLAREMONT, CA

## PIPE & FITTINGS

AGRICULTURAL PRODUCTS INC, SUN VALLEY, CA

AMS PLASTICS, EL CAJON, CA BROWNLINE PIPE, INDUSTRY, CA CAMSCO FOUNDRY/LAWNLIFE, AZUSA, CA

CAN-TEX INDUSTRIES, MINERAL WELLS, TX

DURA PLASTIC PRODUCTS, BEAUMONT, CA

INTERLOCK/PIVNICK ENT, CLOVIS, CA KING BROS INDUSTRIES, VALENCIA, CA LASCO INDUSTRIES, ANAHEIM, CA MOISTURE SYSTEMS, GLASTONBURY, CT NIBCO, ELKHART, IN NORTHCOTE & ASSOC., SAN CLEMENTE,

CA

P.E. SALES, GRAND RAPIDS, MI PEPCO EXTRUDED PRODUCTS, FRESNO, CA

RAIN BIRD (GOLF DIV), GLENDORA, CA SPEARS MFG. CO., SYLMAR, CA SUBMATIC IRRIGATION SYSTEMS, LUB-

BOCK, TX TORO IRRIGATION (GOLF), RIVERSIDE,

WEATHER-MATIC/TELSCO, DALLAS, TX

## PUMPING SYSTEMS

AQUATURF INC., JACKSONVILLE, FL BERKELEY PUMPS, DELAVAN, WI BEST EQUIPMENT, ADDISON, TX CARROLL CHILDERS, HOUSTON, TX

COM. PUMP SERVICE, SWANTON, OH CORNELL PUMP CO., PORTLAND, OR HYPRO INC., NEW BRIGHTON, MN PUMPING SYSTEMS, DALLAS, TX SYNCROFLO, NORCROSS, GA WATERTRONICS, ELM GROVE, WI WESTERN PUMPING SYSTEMS, CHANDLER, AZ

#### **REPAIR PARTS**

AMERICAN IRRIGATION REPAIR, FRE-MONT, CA ARCO PARTS, PLEASONTON, CA RAINBOW IRRIGATION CONTROLS, HOLLY HILL, FL

## SPRINKLER HEADS

AMERICAN IRRIGATION REPAIR, FREMONT, CA BUCKNER, FRESNO, CA

CAMSCO FOUNDRY/LAWNLIFE, AZUSA, CA

CHAMPION SPRINKLER EQUIPMENT, LOS ANGELES, CA EFCO INC, NORTH HOLLYWOOD, CA HARDIE IRRIGATION, LAGUNA NIGUEL,

CA

HUNTER INDUSTRIES INC, SAN MARCOS, CA

IMPERIAL UNDERGROUND SPRINKLER

CO., LENEXA, KS IRRIDELCO DRIP DIV, FRESNO, CA L R NELSON CORP, PEORIA, IL LAWNLIFE BY CERES, AZUSA, CA NELSON IRRIGATION CORP, WALLA

WALLA, WA RAIN BIRD (GOLF DIV), GLENDORA, CA RAIN-O-MAT, WHITTIER, CA RICHDEL/GARDENAMERICA, CARSON

CITY, NV

THAYER IND INC, DUNDEE, FL THOMPSON MFG CO, CHINO, CA

TORO IRRIGATION (GOLF), RIVERSIDE, CA

WALLA WALLA SPRINKLER CO, WALLA WALLA, WA

WEATHER-MATIC/TELSCO, DALLAS, TX WEATHER TEC CORP., FRESNO, CA

## TRAVELLING SPRINKLERS

AG-RAIN, HAVANA, IL BAUER USA, CHESAPEAKE, VA BUCKNER, FRESNO, CA IRRIDELCO DRIP DIV, FRESNO, CA KIFCO/AG RAIN, HAVANA, IL LARCHMONT ENGINEERING, LEXING-

TON, MA LESCO, ROCKY RIVER, OH PIONEER MFG. CO., CLEVELAND, OH RAIN FOR RENT, BAKERSFIELD, CA FRANK D. SMITH & ASSOC., PALATINE, IL VALMONT INDUSTRIES, VALLEY, NE

## VALVES

BERMAD, ANAHEIM, CA BUCKNER, FRESNO, CA CHAMPION SPRINKLER EQUIPMENT, LOS ANGELES, CA GRISWOLD CONTROLS, IRVINE, CA HARDIE IRRIGATION, LAGUNA NIGUEL, HERSEY PRODUCTS INC, DEDHAM, MA

HIT PRODUCTS CORP., LINDSAY, CA IMPERIAL UNDERGROUND SPRINKLER, LENEXA, KS LAWNLIFE BY CERES, AZUSA, CA

QUICK RAIN, MIAMI, FL

RAIN BIRD (GOLF DIV), GLENDORA, CA RAINMASTER, SIMI VALLEY, CA RICHDEL/GARDENAMERICA, CARSON CITY, NV SENNINGER IRRIGATION INC, ORLANDO,

SUPERIOR CONTROLS, VALENCIA, CA

FI

THOMPSON MFG CO, CHINO, CA TORO IRRIGATION (GOLF), RIVERSIDE, CA

VALCON IRRIGATION, S EL MONTE, CA WEATHER-MATIC/TELSCO, DALLAS, TX WILKINS REGULATOR DIV., PASO ROBLES, CA

## WEATHER STATIONS

AQUA ENG.CO., FORT COLLINS, CO KARSTEN TURF CO, PHOENIX, AZ RAIN BIRD (GOLF DIV), GLENDORA, CA SPECTRUM TECH. INC., PLAINFIELD, IL TMI INC, LAKE OSWEGO, OR TORO IRRIGATION, RIVERSIDE, CA

## **MATERIALS AND SUPPLIES**

## ABSORBENTS/SOIL MOISTURE AGENTS

AGLUKON AGRI-PRODUCTS, CONGERS, NY

AGROSOKE, INC., FORT WORTH, TX AIMCOR, DEERFIELD, IL AMERICAN COLLOID, ARLINGTON HTS., п

ANDERSONS, MAUMEE, OH BROADLEAF INDUSTRIES, INC., SAN DIEGO, CA

CHEMDAL, PALATINE, IL EXCEL MINERAL CO., INC, GOLETA, CA HYDRO RESOURCES SOUTHWEST, MESA,

AZ INDUSTRIAL SERVICES, INC., BRADEN-TON, FL

INTERNATIONAL ABSORBENT PROD., SMELTERVILLE, ID

SMELTERVILLE, ID JRM CHEMICAL, CLEVELAND,OH OIL-DRI CORP., CHICAGO, IL PIONEER MFG. CO., CLEVELAND, OH SPORTSFIELDS INC., BLUE ISLAND, IL STOCKHAUSEN, INC., GREENSBORO, NC WESTERN POLYACRYLAMIDE, INC., CASTLE ROCK CO CASTLE ROCK, CO

## **ARTIFICIAL TURF** SURFACES

ALL PRO ATHLETIC SURFACES, DALLAS, TX

ASTROTURF INDUSTRIES INC. ST. LOUIS. MO DALTON, GA BALSAM AMERICA SPORTS FACILTIES,

ST. LOUIS, MO

CALIFORNIA PRODUCTS CORP., CAM-BRIDGE, MA

DIAMOND PAINT CO., BLOOMINGDALE, П

PLAYFIELD IND., INC., DALLAS, TX POLIGRAS USA, CLEARWATER, FL SPORTEC INTERNATIONAL, KENMORE, NY

SUPERTURF INTERNATIONAL, DALLAS, TX

## **BASEPATH/INFIELD** MIXES

AIMCOR, DEERFIELD, IL BINGHAMPTON BLOCK CORP, BINGHAMPTON, NY DIAMOND DRY CORP., LINCOLN LAKES, П

EXCEL MINERAL, GOLETA, CA JACK SPRATT IND., N. HOLLYWOOD, CA MORIE COMPANY, MILLVILLE, NJ OIL-DRI CORP, CHICAGO, IL PARTAC PEAT CORP, GREAT MEADOWS, NJ

SOUTHERN TURF NURSERIES, NORCROSS, GA SPORTSFIELDS INC, BLUE ISLAND, IL

COVERS, RAIN/SNOW ANCHOR INDUSTRIES, EVANSVILLE, IN COVER SPORTS USA INC, EXTON, PA COVERMASTER INC., ONTARIO CANADA COVERS UNLIMITED DIV, CLEVELAND, OH

DOUGLAS INDUSTRIES INC, ELDRIDGE, TA

PUTTERMAN & COMPANY, CHICAGO, IL REEF INDUSTRIES, HOUSTON, TX REVERE, LITTLE FERRY, NJ

## COVERS, TRAFFIC/WINTER

COVER SPORTS USA INC, EXTON, PA COVERMASTER INC., ONTARIO CANADA COVERS UNLIMITED DIV, CLEVELAND, OH

HINSPERGERS POLY INDUSTRIES, MISSISSAUGA ONT, CANADA PUTTERMAN & COMPANY, CHICAGO, IL REEMAY, OLD HICKORY, TN REVERE, LITTLE FERRY, NJ WARRENS SPECIAL PRODUCTS, SUISUN CITY, CA

## EDGING

BARTRON CORP, IRVINE, CA EBERHART STEEL PRODUCTS, MISHAWAKA, IN OLY-OLA SALES INC, VILLA PARK, IL VALLEY VIEW SPECIALTIES, CREST-WOOD, IL

## **GOALS, NETS**

CARRON NET COMPANY, TWO RIVERS, WI

DOUGLAS INDUSTRIES INC, ELDRIDGE, IA

J A CISSELL CO, LOUISVILLE, KY PLAYWORLD SYSTEMS, NEW BERLIN, PA TOMARK SPORTS, INC., CORONA, CA

#### GOLF ACCESSORIES

DIAMOND PAINT, BLOOMINGDALE, IL EASY PICKER GOLF PROD, COSTA MESA, CA

FORE-PAR, HUNTINGTON BEACH., CA GOLF 2000 PAVERS, SAN DIEGO, CA GREENSAVER,INC, LANDENBURG, PA GUSTAFSON MFG CO INC, CORPUS CHRISTI, TX LESCO, ROCKY RIVER, OH

MENASHA CORP, WATERTOWN, WI MILTONA TURF PRODUCTS, MILTONA, MN PAR AIDE, ST. PAUL, MN SEIDELHUBER METAL PRODUCTS, SAN

CARLOS, CA STANDARD GOLF, CEDAR FALLS, IA STARSTREAM/TRUE DISTANCE, HOUSTON, TX TRU-PITCH INC., PINELLAS PARK, FL WOODGRAPHICS, GARNER, NC

## HYDRAULIC MULCH

CELLIN MANUFACTURING CO, LORTON, VA

CONWED CORP., HICKORY, NC

FINN CORP, FAIRFIELD, OH REINCO, PLAINFIELD, NJ WEYERHAEUSER, TACOMA, WA

## LANDSCAPE FABRIC

AKZO INDUSTRIAL, ASHEVILLE, NC AMERICAN EXCELSIOR CO, ARLINGTON, TX

ATLANTIC CONSTRUCTION FABRICS,

AILANTIC CONSTRUCTION FABRICS, RICHMOND, VA BELTON INDUSTRIES INC., ATLANTA, GA BLUNK'S SUPPLY INC., BRIDGEVIEW, IL COLORADO AGGREGATE, BLANCA, CO COVERS UNLIMITED DIV, CLEVELAND, OH

DEWITT COMPANY INC, SIKESTON, MO FLEXALON INC, SAN LUIS OBISPO, CA GREENSTREAK, ST. LOUIS, MO HINSPERGERS POLY INDUSTRIES, MISSISSAUGA ONT, CANADA INNOVATIVE GEOTEXTILES, CHARLOTTE, NC

NORTH AMERICAN GREEN, EVANSVILLE, IN

PHILLIPS FIBERS CORP., GREENVILLE, SC POLYFELT INC, EVERGREEN, AL REEMAY, OLD HICKORY, TN WARRENS SPECIAL PRODUCTS, SUISUN CITY, CA

## MARKING FLAGS

AMERICAN MARKING CORP, OMAHA, NE BLACKBURN MFG. CO., NELIGH, NE MARKERS INC., AVON LAKE, OH

## PAINT STENCILS

CALVIN SIGN CORP., KANSAS CITY, MO FOX VALLEY, CARY, IL MISSOURI PAINT CO, KANSAS CITY, MO NEWSTRIPE INC, AURORA, CO PARTAC PEAT CORP, GREAT MEADOWS,

PIONEER MFG. CO., CLEVELAND, OH

## PAINTS, MARKING MA-TERIALS

AMERICAN MARKING CORP, OMAHA, NE BECKER-UNDERWOOD CO, AMES, IA CLEARY, W.A., SOMERSET, NJ DIAMOND PAINT CO., BLOOMINGDALE,

GEORGIA MARBLE, KENNESAW, GA GREEN GRAPHICS, ALBUQUERQUE, NM LESCO, ROCKY RIVER, OH LPS LABS, TUCKER, GA MAUTZ PAINT CO., MADISON, WI MISSOURI PAINT CO, KANSAS CITY, MO OPTI-GRO, DALLAS, TX PAPTAC FEAT COPP. CEPAT MEADOWS

PARTAC PEAT CORP, GREAT MEADOWS, NJ

PIONEER MFG. CO., CLEVELAND, OH REGAL CHEMICAL CO., ALPHARETTA, GA SIERRA CROP PROTECTION CO, MILPITAS, CA

TURFGRASS COLORANTS, HOLLYWOOD, CA