

FAMILIES OF FUNGICIDES FOR TURFGRASS

■ **CHEMICAL FAMILY: DITHIOCARBAMATES**

Common name	Trade names ¹	Mode of action	Placement/mobility	Concern over resistance	Comments
Mancozeb	Fore, Mancozeb, Dithane, T/O, Protect T/O	general	contact	low	Broad-spectrum control; used as protectants
Thiram	Spotrete				

■ **CHEMICAL FAMILY: DICARBOXIMIDES**

Iprodione	Chipco 26019, Chipco 26GT, Iprodiane Pro	specific	local	moderate to high (not persistent)	Broad-spectrum activity penetrant, developed in mid 1970s
Vinclozolin	Touché, Curalan				

■ **CHEMICAL FAMILY: BENZIMIDAZOLES**

Thiophanate-methyl	Fungo 50, Cleary's 3336, Cavalier, T methyl Pro	specific	systemic (upward)	high	First popular systemic fungicides, became available in the late 1960s
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■ **CHEMICAL FAMILY: STEROL INHIBITORS OR DEMETHYLASE INHIBITORS**

Fenarimol	Rubigan	specific	systemic (upward)	high	Broad-spectrum, introduced in the late 1970s
Myclobutanol	Eagle				
Triademefon	Bayleton, Accost				
Propiconazole	Banner MAXX				

■ **CHEMICAL FAMILY: STROBILURINS**

Azoxystrobin	Heritage	specific	systemic (upward)	moderate to high	Broad-spectrum, first product made available in 1997. Chemical structures found in various naturally occurring, wood-destroying fungi
Trifloxystrobin	Compass				

■ **ADDITIONAL FUNGICIDES**

Chlorothalonil	Daconil, Manicure, Concorde, Echo	general	contact	low	Chlorothalonil is a protectant fungicide. PCNB is often considered to be a protectant but may be locally systemic. Compounds from different groups
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¹Product list by trade name may not be all inclusive.

■ ADDITIONAL FUNGICIDES (CONTINUED)

Flutolanil	ProStar	specific	systemic (upward)	low	Broad-spectrum control.
PCNB	Terrachlor, Turfcide, Revere, FFII, PCNB, Defend, Engage	general	contact	low	
Fludioxonil	Medallion	specific	contact	moderate to low	

■ CHEMICAL FAMILY: STEROL INHIBITORS OR DEMETHYLASE INHIBITORS

Mefenoxam	Subdue MAXX	specific	systemic (upward)	high	Controls few diseases besides those caused by <i>Pythium</i> or closely related water molds. Azoxystrobin (Heritage) is unique with activity against <i>Pythium</i> species and the fungi.
Propamocarb	Banol	not well known	systemic (upward)	low	
Fosetyl-aluminum	Prodigy, Chipco Signature (Aliette)	not well known	systemic (upward & downward)	low	
Azoxystrobin	Heritage	specific	systemic (upward)	moderate to high	
Chloroneb	Teremec Sp	general	contact (local penetrant)	low	
Ethazol (Etridiazol)	Koban, Terrazole	general	contact	low	

SOURCE: "2002 MANAGEMENT OF TURFGRASS PESTS," OHIO STATE UNIVERSITY EXTENSION, AUTHORS MICHAEL J. BOEHM AND JOSEPH W. RIMELSBACH, TURFGRASS PATHOLOGISTS

5 tips to beat resistance

BY RICH HANRAHAN

Fungicides are valuable turfgrass management tools. To preserve their usefulness, develop a strategy to prevent resistance, which begins to take place when a fungus makes a genetic adjustment or undergoes a mutation that reduces its sensitivity to a particular fungicide. This change allows the affected fungus to survive the fungicide. In time, this surviving organism is likely to become the dominant strain when

the same fungicide is used frequently and exclusively with it. It becomes more difficult to control.

It's a class thing

When resistance develops, it's typically not limited to individual chemical compounds. Usually, strains of fungi that have become resistant to a fungicide will be resistant to all fungicides in the same chemical class.

Overexposure to just one fungicide might destroy the usefulness of several.

Here are five quick tips for maintaining the effectiveness of your disease-fighting chemical tools:

1 Mix it up. Use multiple fungicides from different chemical classes with varying modes of action. The two basic approaches are rotation and tank mixing. If a fungus has developed resistance to one of your fungicides, multiple

fungicides will increase your odds of riding turf of the fungus before it has a chance to spread and mutate further.

2 Reduce the frequency. Never make more applications than you absolutely need to achieve control. The fewer applications you make, the less the fungus is exposed to the chemical class.

3 Apply at the right rate. It's extremely important to apply enough product. Cutting the rate used in a single application will increase the likelihood of resistance developing. Observe recommended rates and strive to achieve complete coverage of the plants.

4 Reduce your dependence. Develop a solid Integrated Pest Management approach to disease control. Whenever possible, use plant species and/or vari-

eties that are disease resistant. Keep abreast of the newer varieties entering the market.

5 Fungicide selection. Although a product may be labeled for a particular disease, it doesn't guarantee it will solve your problem. Efficacy

can vary from region to region. How do you know which to choose? Consult with an expert such as a turf pathologist or university researcher.

— *The author is technical development manager of fungicides for Chipco Professional Products.*

Basic resistance info

Here are some points to keep in mind when developing your resistance strategy:

- ▶ The chemistries of some fungicides are more inclined to provide resistance than others.
- ▶ Fungi with higher reproductive rates are more likely to develop resistance because they pass on the mutated gene more quickly and broadly.
- ▶ Site-specific fungicides run a higher risk of resistance because they work by inhibiting just function in the fungal cell. Multi-site fungicides interfere with several vital functions of the fungal cell.
- ▶ When rotated and used in tank-mix combinations, certain fungicides can effectively control a broad spectrum of diseases without the concern for resistance development.



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Circle 123

▶ Seed Availability / LM's Quick Reference Guide

KEY (AVAILABILITY):

A= expected surplus
B= adequate supply
C= limited supply

KEY (PRICE):

H= higher price than last season
S= stable, equal to last season
L= lower prices than last season

CULTIVAR	MARKETER	AVAILABILITY	PRICE
Bentgrass			
Alister Colonial	Turf-Seed	C	S
Bardot Colonial	Barenbrug USA	B	S
Backspin	Turf Merchants	A	S
Cato	Pickseed West	B	S
Century	Proseed	A	S
Cobra	Cebeco	B	S
Crenshaw	Proseed	A	S
Dominant X-treme	SR Oregon	A	S
Grand Prix	LESCO	A	S
Imperial	Proseed	A	S
Independence	Lebanon Seaboard	C	S
L-93	Jacklin	B	S
Penn-G6	Pennington	A	S
Penn A-2	Tee-2-Green	B	S
Penn A-1	Turf-Seed	B	S
Penn A-4	Turf-Seed	B	S
Penn A-4	Tee-2-Green	B	S
Penn G-2	Tee-2-Green	B	S
Penneagle	Tee-2-Green	B	S
Pennlinks	Turf-Seed	B	S
Pennlinks	Tee-2-Green	B	S
Penntrio	Tee-2-Green	B	H
Pin-High	Barenbrug USA	B	S
Putter	Jacklin	B	S
Princeville	LESCO	A	S
Regent	Barenbrug USA	B	S
Southshore	Jacklin	B	S
SR 1119	SR Oregon	A	S
SR 1020	SR Oregon	A	S
Tiger II	Cebeco	C	new
Trueline	Turf Merchants	A	S
Vesper	Pickseed West	B	S
Viper	Cebeco	B	S
Bermudagrass			
Bermuda Triangle	Pennington	A	S
Jackpot	Jacklin	C	S
LaPrima	SR Oregon	A	S
Mirage	Cebeco	B	S
Mohawk	Pennington	A	S
Panama	Barenbrug USA	B	S
Princess-77	Pennington	A	S
Pyramid	Cebeco	B	S
Riviera	Johnston	B	new
Royal Blend	Pennington	A	S
Sahara	Pennington	A	S
Savannah	Turf-Seed	B	S
Southern Star	Jacklin	B	S
SR 9554	SR Oregon	B	S
Sultan	Pennington	A	S
Sundevil	Jacklin	B	S
Sunstar	LESCO	B	S
Sydney	Pennington	A	S
Transcontinental	Turf-Seed	C	H
Yukon	Johnston/Seed Research OR	C	H
Yuma	Pennington	A	S

CULTIVAR	MARKETER	AVAILABILITY	PRICE
Kentucky bluegrass			
Adams	Jonathan Green	C	S
Allure	Cebeco	B	S
America	Pickseed West	B	S
Apollo	Scotts/Proseed/Landmark	A-	S
Arcadia	SR Oregon	C	S
Barcelona	Barenbrug USA	B	S
Baron	Barenbrug USA	B	S
Bartitia	Barenbrug USA	B	S
Blacksburg II	Turf-Seed	C-	new
Blackstone	Scotts	B	S
Blue Ridge	Pennington	C	S
Bedazzled	Turf Merchants	C	new
Blue Knight	DLF-Jenks	B	L
Bordeaux	Lebanon Seaboard	B	S
Boutique	Turf Merchants	C	S
Broadway	DLF-Jenks	B	S
Brooklawn	Turf Merchants	C	S
Cabernet	Lebanon Seaboard	B	S
Champagne	Lebanon Seaboard	B	S
Chatau	ULTRATurf	B	S
Chicago II	Jacklin	B	S
Coventry	Scotts	B	S
DEEPBLUE	Jonathan Green	B	S
Dragon	Proseed	A	S
Fortuna	Cebeco	C-	S
Julius	Cebeco	C	S
Hallmark	LESCO	A	S
Jefferson	Jonathan Green	B	S
Langara	Pickseed West	B	S
Mallard	Pennington	C	S
Midnight II	Turf-Seed	C-	new
Midnight Star	Turf-Seed	C-	new
Monte Carlo	Pennington	C	S
Moonshadow	Pickseed West	B	S
NuGlide	Jacklin	B	S
P-105	Proseed	C	S
Rita	Turf-Seed	B	S
Shamrock	LESCO/DLF-Jenks	A-	S
Showcase	SR Oregon	B	S
SR 2284	SR Oregon	C	new
Tsunami	Jacklin	B	S
Wildwood	LESCO	A	S
Fine fescue			
Ambassador Chewings	Lebanon Seaboard	B	S
Aruba Creeping Red	Jacklin	B	L
Azay	Pickseed West	B	S
Badger Creeper	Scotts	A	S
Bardur Hard	Barenbrug USA	B	S
Berkshire Hard	Scotts	A	S
Bridgeport Chewings	Barenbrug USA	B	S
Brittany Chewings	LESCO	A	L
Carmen Chewing	Jonathan Green	B+	S
Celestial	Turf Merchants	C	new
Cindy	Cebeco	B	H
Columbia Chewings	Proseed	A	H
Defiant Hard	LESCO	A	L
Ecostar	Jacklin	B	L
Eureka	Cebeco	B	S
Hardtop Hard	Barenbrug USA	B	S
Hood Chewing	Jonathan Green	B+	S

CULTIVAR	MARKETER	AVAILABILITY	PRICE
Intrigue	Turf Merchants	A	S
Jasper II	Pickseed West	B	S
Little Bighorn	Turf-Seed	C-	new
Longfellow II	Cebeco	B	H
Minotaur	Turf Merchants	A	L
Osprey Hard	SR Oregon	A	S
Oxford	Lebanon Seaboard	B	S
Pathfinder	Lebanon Seaboard	B	S
Reliant II	Proseed	A	H
Rescue 911	Jacklin	B	L
Ridu Hard	DLF-Jenks	B	H
Rose Chewings	DLF-Jenks	B	H
Salem Creeping	Proseed	A	H
Sandpiper Chewings	SR Oregon	A	S
Shademark Creeping Red	LESCO	A	L
Shademaster II	Turf-Seed	B	S
SR 3200 Blue	SR Oregon	A	S
Tiffany	Turf-Seed	B	S
Treasure Chewings	Scotts	A	S
Victory 2	Pickseed West	B	S
Weston Creeping Red	Jonathan Green	B+	S
Wrigley Chewings	DLF-Jenks	B	H
Tall fescue			
Admiral	Burlingham	A	L
Apache II	Turf-Seed	B	S

CULTIVAR	MARKETER	AVAILABILITY	PRICE
Arid 3	Jacklin	B	L
Barlexas II	Barenbrug USA	B	S
Biltmore	LESCO	A	S
Bingo	Cebeco	B	L
Black Magic	Jonathan Green	C	S
Bravo	LESCO	A	S
Coronado Gold	Turf-Seed	B	S
Coyote	Scotts	C	H
Crew-Cut II	SR Oregon	A	L
Crossfire II	Pickseed West	B	L
Daytona	Burlingham	A	L
Defiance	SR Oregon	A	S
Dominion	Scotts	A	L
Dynasty	Pickseed West	B	L
Focus	Turf Merchants	C	S
Grande	SR Oregon	A	L
Houndog	Cebeco	B	L
Jaguar 3	Jacklin	B	L
Laramie	LESCO	A	S
Masterpiece	Lebanon Seaboard	B	S
Millennium	Turf Merchants	A	L
Mustang 3	Pickseed West	B	L
Obsidian	Jonathan Green	C	S
Onyx	Jonathan Green	C	S
Picasso	Lebanon Seaboard	B	S
Pixie	Jacklin	B	L

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► Seed Availability / LM's Quick Reference Guide

CULTIVAR	MARKETER	AVAILABILITY	PRICE
Plantation	Pennington	A	L
Rebel Exeda	Pennington	A	L
Rembrandt	Lebanon Seaboard	B	S
Reserve	DLF-Jenks	B	L
2nd Millennium	Turf Merchants	C	new
Signia	Pennington	A	L
Southern Comfort	DLF-Jenks	B	L
Tar Heel	Turf-Seed	B	S
Tempest	Burlingham	A	L
Tomcat	Cebeco	C-	S
Tracer	Barenbrug USA	B	S
Vegas	Barenbrug USA	B	S
Wildfire	DLF-Jenks	B	L
Wolfpack	Turf-Seed	B	S
Wyatt	Scotts	C	H

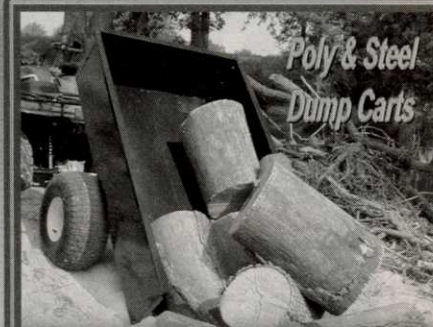
Perennial ryegrass

Accent	Jacklin	B	S
Affirmed	Lebanon Seaboard	B	H
Allsport	LESCO	B+	S
AllStar2	Cebeco	C-	H
Applaud	Pennington	C	S
Barlennium	Barenbrug USA	B	S
Brightstar SLT	Turf-Seed	C	H
Caddyshack	Jacklin	B	S

CULTIVAR	MARKETER	AVAILABILITY	PRICE
Catalina II	Turf-Seed	C-	new
Champion GC	SR Oregon	A	S
Chaparral II	Turf-Seed	C-	new
Churchill	Lebanon Seaboard	B	H
Citation Fore	Turf-Seed	C	H
Cutter	Pickseed West	C	H
Dogstar	Jonathan Green	A	S
Elfkin	DLF-Jenks	B	H
Esquire	DLF-Jenks	B	H
Exacta	Lebanon Seaboard	B	H
Fiesta 3	Pickseed West	C	H
Gallery	Scotts	C	H
Gator 3	Cebeco	C	H
Hawkeye	SR Oregon	B	new
Icon	Burlingham	A	H
Inspire	Scotts	C	H
Integra	Pennington	C	H
Jet	Pennington	A	S
Jockey	Jonathan Green	A	S
Keystone	DLF-Jenks	C	H
Line Drive	LESCO	B+	S
Majesty	Scotts	B	H
Manhattan 3	Turf Merchants	A	S
Manhattan 4	Turf-Seed	C-	new
Pacesetter	LESCO	B+	S

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CULTIVAR	MARKETER	AVAILABILITY	PRICE
Palmer III	Proseed	A	H
Paragon	Turf Merchants	C	S
Pennant II	Proseed	A	H
Pinnacle II	Barenbrug USA	B	S
Pizzazz	Turf Merchants	A	H
Plymouth	Jonathan Green	A	S
Prelude III	Proseed	A	H
Premiere II	Barenbrug USA	B	S
Quick Trans	Turf-Seed	C	H
Salinas	Turf-Seed	C-	new
Seville II	Pickseed West	C	H
SR 4220	SR Oregon	C	new
Stallion Supreme	ULTRA Turf	B	H
TopGun	Jacklin	B	S
Top Hat	Cebeco	B	H
Vixen	Burlingham	A	H
Other			
Bluegrass			
Supina	ULTRA Turf	B	S
Canada bluegrass			
Reubens	Jacklin	B	S
Creeping bluegrass			
True Pitt	DLF-Jenks	B	S

CULTIVAR	MARKETER	AVAILABILITY	PRICE
Buffalograss			
Plains	Patten	B	L
Texoka	Patten	B	L
Top Gun	Patten	B	L
Centipede			
Centi-Seed	Patten	B	S
Intermediate ryegrass			
Harbour	LESCO	C	new
Midway	LESCO	B	S
Poa trivialis			
Baraviera	Barenbrug USA	B	S
Darkhorse	Pickseed West	B	S
ProAm	LESCO	B	S
Maximum	SR Oregon	A	S
Sabre II	Cebeco	C	H
Winterplay	Turf-Seed	B	S
Winterplex	Turf-Seed	B	S
Zoysia			
Cathay	Jacklin	C	S
Companion	SR Oregon	B	S
Ming	Cebeco	C-	H
Sunrise	Jacklin	C	S
Zenith	Patten	C+	S



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HOW TO USE THIS DIRECTORY

Landscape MANAGEMENT

■ Suppliers Listings (see page 59)

Turn to this section for an alphabetical list of suppliers. Each listing includes the company's name, address, telephone and fax numbers.

In addition, Buyers' Guide advertisers are highlighted in black; use the ad locator cross reference at the bottom of the listing to locate their ad.

■ Distributor Listings (see page 80)

Turn to this section for an alphabetical listing of distributors by state. Each listing includes the company's name, address, telephone and fax numbers.

■ Product Index (see page 94)

This extensive, alphabetical product listing includes reference to the Yellow Pages headings in the Buyers' Guide. For example, look under "C" in the product index for chemicals-protection and nutrition— then turn to the page number indicated to find the complete listing of fertilizer suppliers in the Yellow Pages section.

■ Yellow Pages Buying Directory (see page 97)

This section provides specific listings by product headings and includes the name and telephone numbers of all companies offering these products. Refer back to the Suppliers Listings for company addresses and fax numbers.

A

A M Leonard, 241 Fox Dr, PO Box 816, Piqua OH 45356; Phone: 937-773-2694, 800-543-8955; Fax: 937-773-9959; Email: sales@amleo.com; Online: www.amleo.com; Type of company: Equipment/accessories

AAdvanced Water Management Inc, 1111 S Shiloh Rd, Garland TX 75042; Phone: 972-494-3494, 877-994-3494; Fax: 972-487-8484; Email: bwomack@hydrozone.net; Contact: Pres, Bobby Womack; Type of company: Irrigation/drainage/water management

ABI Inc, Automatic Bacterial Injection Inc; 29605 Hall St, Solon OH 44139; Phone: 440-498-9195, 800-847-8950; Fax: 440-498-9197; Email: abi@ultraclear.com; Online: www.ultraclear.com; Contact: Pres, Ray Parr; Type of company: Chemicals-protection and nutrition

Absolute Innovations Inc, 10880 McKinley Hwy, Osceola IN 46561; Phone: 574-674-5033, 877-788-7253; Fax: 574-674-5902; Email: info@absoluteinnovations.net; Online: www.absoluteinnovations.net; Contact: VP Ops & Mktg, Scott Holmes; Type of company: Equipment/accessories

ACRT Inc, 2545 Bailey Rd, PO Box 401 (44221), Cuyahoga Falls OH 44221; Phone: 330-945-7500, 800-622-2562; Fax: 330-945-7200; Email: askcrt@acrtinc.com; Online: www.acrtinc.com; Contact: Pres, Michael Weidner; Type of company: Business management, Services

Adkad Technoloties, 565 Herrick Rd, Delanson NY 12053; Phone: 518-875-9195, 800-586-4683; Fax: 518-875-9276; Email: info@adkad.com; Online: www.adkad.com; Contact: Sales, David May; Type of company: Business management

Advance Metalworking Co Inc The, 3726 US Hwy 34, PO Box 465, Kewanee IL 61443; Phone: 309-853-3387, 800-369-5367; Fax: 309-853-3389; Email: tamco.inw.net; Online: www.lift-a-load.com; Contact: Product Manager, Jim The-manson; Type of company: Equipment/accessories

Advanced Design, 565 Herrick Rd, Delanson NY 12053; Phone: 518-875-6342

Advanced Power Systems Intl Inc, Fuel Catalyst; 558 Lime Rock Rd, Lakeville CT 06039; Phone: 860-435-2525, 888-881-2774; Fax: 860-435-2424; Email: apsi@snet.net; Online: www.fitchfuelcatalyst.com

AerWay, 20 Phoebe St, Woodstock, Ontario Canada N0J 1P0; Phone: 519-863-3414, 800-457-8310; Fax: 519-863-2398; Email: aerway@aerway.com; Online: www.aerway.com; Contact: Mktg Mgr, Paul C. Gillen; Type of company: Equipment/accessories

Affordable Tree Landscape Rentals & Equip, 142 Ridgewood Dr 12 Davis Ave, Norwood MA 02062; Phone: 781-762-0664, 877-HYDROSEED; Fax: 781-762-5140; Contact: Owner, Tony Civitarese III; Type of company: Equipment/accessories, Services, Snow/ice management, Business management, Maintenance supplies, Seed/sod/sprigs

AG Plus Inc, 440 Mourey St, PO Box 97, New Haven IN 46774; Phone: 260-749-5139, 800-448-3965; Fax: 260-493-2749

AGCO Allis Lawn & Garden Equip, 500 N Spring St, PO Box 997, Port Washington WI 53074-0997; Phone: 262-284-8669; Fax: 262-377-8202; Online: www.allislawn.com; Type of company: Equipment/accessories

Agcom International, 252 Country Club Rd, Canton MS 39046, 800-598-3372; Fax: 800-598-3372; Email: larryklaas@aol.com; Online: www.agcomintl.com; Contact: Sr Producer, Larry Klaas; Type of company: Business management

Aggrene Corp, 915 Tower Ave, Superior WI 54880; Phone: 715-392-3011, 800-577-GROW; Fax: 715-392-8277; Email: info@aggrene.com; Online: www.aggrene.com; Contact: Dir Sales & Mktg, Greg Sawyer; Type of company: Chemicals-protection and nutrition

Agri-Fab Inc, 303 W Raymond St, PO Box 500, Sullivan IL 61952; Phone: 217-728-8388; Fax: 217-728-2032; Email: info@agri-fab.com; Online: www.agri-fab.com; Type of company: Equipment/accessories

See our ad on page 56

Agrifim, 337 W Bedford, Fresno CA 93711-6050; Phone: 559-431-2003; Fax: 559-435-2922; Type of company: Irrigation/drainage/water management

AgSci Inc, 3601 Garden Brook, Dallas TX 75234; Phone: 972-243-8930, 800-274-8930; Fax: 972-406-1125; Email: info@agsciinc.com; Online: www.agsciinc.com; Contact: Sls Mgr, Derek Little; Type of company: Chemicals-protection and nutrition

Air Technical Industries, 7501 Clover Ave, Mentor OH 44060-5297; Phone: 440-951-5191, 800-321-9680; Fax: 440-953-9237; Email: ati@airtechnical.com; Online: www.airtechnical.com; Type of company: Equipment/accessories

Air-Lec Industries Inc, 3306 Commercial Ave, Madison WI 53714; Phone: 608-244-4754; Fax: 608-246-7676; Email: info@air-lec.com; Online: www.air-lec.com; Contact: Sls & Mktg Mgr, Harold Clute; Type of company: Equipment/accessories

Air-O-Lator Corp, 8100-04 Paseo, Kansas City MO 64131; Phone: 816-363-4242, 800-821-3177; Fax: 816-363-2322; Email: roy@airolator.com; Online: www.airolator.com; Contact: VP Sales & Mfg, Roy Watkins; Type of company: Irrigation/drainage/water management

Algoma Net Co, 1525 Mueller St, Algoma WI 54201; Phone: 920-487-5577; Fax: 920-487-2852; Email: algomanet@charter.net; Online: www.algomanet.com; Contact: Natl Sls mgr, Dale Massey; Type of company: Equipment/accessories

All Florida Trencher & Equipment, PO Box 160403, Miami FL 33116-0403; Online: www.aftec@bellsouth.net; Type of company: Equipment/accessories

Allan Fyfe Equipment Co, 261 Bowes Rd, Concord, Ontario Canada L4K 1H8; Type of company: Equipment/accessories

Allied Mach Corp, 94-168 Leoole St, PO Box 970126, Waipahu HI 96797-0126; Phone: 808-671-0541; Fax: 808-671-0440; Contact: Patrick Feyerisen; Type of company: Equipment/accessories

Allied Mach Corp, 16-220 Wiliama Place, Ke'au HI 96749; Phone: 808-982-7728; Fax: 808-982-7776; Type of company: Equipment/accessories

Allied Mach Corp, 260 A Papa Place, PO Box 1612, Kahului HI 96732; Phone: 808-877-2120; Fax: 808-871-7478; Type of company: Equipment/accessories

Allied Mach Corp, 1840 Haleukana St, Puhi HI 96766; Phone: 808-245-8581; Fax: 808-246-0289; Contact: Sls, Dan Pimentel; Type of company: Equipment/accessories

Allied Mach Corp, 74-5588 Luhia St, Kailua Kona HI 96745; Phone: 808-334-1106; Fax: 808-334-1042; Type of company: Equipment/accessories

Allmand Bros Inc, 1502 W 4th Ave, PO Box 888, Holdrege NE 68949-0888; Phone: 308-995-4495, 800-562-1373; Fax: 308-995-5887; Email: info@allmand.com; Online: www.allmand.com; Type of company: Equipment/accessories

Americalist Lawn Care Mktg Grp, 8050 Freedom Ave NW, North Canton OH 44720, 800-304-1456; Fax: 330-494-0226; Email: jawissma@americalist.com; Online: www.americalist.com; Contact: Account Executive, Jimmy R. Wissmar; Type of company: Services

American Granby Inc, 7645 Henry Clay Blvd, Liverpool NY 13088; Phone: 315-451-1100, 800-776-2266; Fax: 800-729-3299; Email: jbrown@mail.americangranby.com; Online: www.americangranby.com; Contact: Vice President Sales & Marketing, Joe Brown; Type of company: Equipment/accessories

American Honda Motor Co Inc, Power Equipment Div; 4900 Marconi Dr, Alpharetta GA 30005; Phone: 678-339-2600, 800-426-7701; Fax: 678-339-2670; Online: www.honda.com; Contact: Natl Sls Mgr, Rob Clum; Type of company: Equipment/accessories

American Isuzu Motors Inc, 13340 183 St, Cerrito CA 90702, 800-597-7383; Type of company: Equipment/accessories

American Marking Corp, 12712 Q St, Omaha NE 68137-3212; Phone: 402-895-5627, 800-777-4655; Fax: 402-895-3976; Online: www.markingflag.com; Contact: President, Tom Moderow; Type of company: Equipment/accessories

American Water Broom, 3565 McCall Pl, Atlanta GA 30340; Phone: 770-451-2000, 800-241-6565; Fax: 770-455-4478; Email: info@waterbrooms.com; Online: www.americanwaterbroom.com; Contact: Vice President, Beverly Roberts; Type of company: Maintenance supplies, Equipment/accessories

AmeriQuip, 2070 White Ave, LaVerne CA 91750; Phone: 909-392-2033, 800-824-9776; Fax: 909-392-2036; Email: gpetras@mobiletool.com; Online: www.mobiletool.com; Contact: Gen Mgr, Greg Petras; Type of company: Equipment/accessories

Ametek Access Boxes (US Filter/Plymouth Prod), Plymouth Products; 502 Indiana Ave, PO Box 1047 (53082-1047), Sheboygan WI 53082-1047; Phone: 800-222-7558, 800-348-7558 Cust Svc; Fax: 800-882-6652; Email: Tengel@plymouthwater.com; Online: www.plymouthwater.com; Contact: Natl Sales Mgr, Tom Engel; Type of company: Irrigation/drainage/water management

Amigos Labor Solutions Inc, 3141 Hood St Suite 440, Dallas TX 75219; Phone: 214-526-5665, 877-326-4467; Fax: 214-526-5770; Email: rlw@amigos-inc.com; Online: www.amigos-inc.com; Contact: Owner, Bob Wingfield; Type of company: Services, Equipment/accessories

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Ampac Seed Co, 32727 Hwy 99E, PO Box 318, Tangent OR 97389; Phone: 541-928-1651, 800-547-3230; Fax: 541-928-2430; Email: info@ampacseed.com; Online: www.ampacseed.com; Contact: Sales, Aaron Kuenzi; Type of company: Seed/sod/sprigs

Anchor Audio Inc, 3415 Lomita Blvd, Torrance CA 90505; Phone: 310-784-2300, 800-262-4671; Fax: 310-784-0066; Email: sales@anchoraudio.com; Online: www.anchoraudio.com

Ancon Bio-Services, 37177 Fremont Blvd #F5, Fremont CA 94536-3647; Phone: 510-782-6737; Email: c.kulik@ix.netcom.com; Contact: Owner, Conrad J. Kulik; Type of company: Chemicals-protection and nutrition, Services

Andersons Inc, Professional Lawn Prod; 480 W Dussel Dr, PO Box 119, Maumee OH 43537; Phone: 419-891-6437, 800-225-2639; Fax: 419-891-2745; Email: mike-bundy@andersonsinc.com; Online: www.andersonsinc.com; Type of company: Chemicals-protection and nutrition

Antelco Micro Irrigation, 878 Waterway Place, Longwood FL 32750; Phone: 407-331-0699, 800-869-7597; Fax: 407-331-0619; Email: antelco@gte.net; Online: www.antelco.com; Contact: Sls & Mktg Mgr, Bill Hutcheon; Type of company: Irrigation/drainage/water management

A-1 Unique Insect Control, 5504 Sperry Dr, Citrus Heights CA 95621-7326; Phone: 916-961-7945; Fax: 916-967-7082; Email: ladybugs@a-1unique.com; Online: www.a-1unique.com; Contact: Partner, Jeanne Houston; Type of company: Chemicals-protection and nutrition

Applewood Seed Co, 5380 Vivian St, Arvada CO 80002; Phone: 303-431-7333; Fax: 303-467-7886; Email: info@applewoodseed.com; Online: www.applewoodseed.com; Contact: Sales, Jim Walther; Type of company: Seed/sod/sprigs

Applied Biochemists, W175 N11163 Stonewood Dr, Ste 234, Germantown WI 53022; Phone: 262-255-4449, 800-558-5106; Fax: 262-255-4268; Email: info@appliedbiochemists.com; Online: www.appliedbiochemists.com; Type of company: Chemicals-protection and nutrition

Aqua Engineering Inc, 4803 Innovation Dr Ste 3, Fort Collins CO 80525-2912; Phone: 970-229-9668; Fax: 970-226-3855; Online: www.aquaengineering.com; Contact: Vice Pres, Richard L. Aust; Type of company: Services

Aqua-Tronics Inc, 1212 NE 5 St, Redmond OR 97756; Phone: 541-548-2110; Fax: 541-548-2117; Email: aquatron@aquatronics.com; Online: www.aquatronics.com; Contact: Pres, Merrill K. Haddon; Type of company: Equipment/accessories

Aquamaster Fountains & Aerators, 16024 CTH X, Kiel WI 53042; Phone: 920-693-3121, 800-693-3144; Fax: 920-693-3634; Email: aquamaster@nigrelli.com; Online: www.aquamasterfountains.com; Contact: VP Sls & Mktg, Jerry Goldberg; Type of company: Irrigation/drainage/water management

Aquascape Designs Inc, 1200 Nagel Blvd, Batavia IL 60510; Phone: 630-326-1700, 800-306-6227; Fax: 630-326-1800; Email: email@aquasapedesigns.com; Online: www.aquasapedesigns.com; Contact: Greg Wittstock; Type of company: Irrigation/drainage/water management

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AquaScaping by Aeromix, 7135 Madison Avenue W, Minneapolis MN 55427-3601; Phone: 763-746-8400, 800-879-3677; Fax: 763-746-8408; Email: aeromix@aeromix.com; Online: www.aquascapeol.com; Contact: Mkg Mgr, Linda MacFarlane; Dir Sls Mgr, Doug Anderson; Type of company: Equipment/accessories

Aquatic Biologists Inc, N4828 US Hwy 45, Fond Du Lac WI 54935; Phone: 920-921-6827, 800-442-6648; Fax: 920-921-1690; Email: abi@dot-net.com; Online: www.aquaticbiologists.com; Contact: Pres, Robert Langjahr; Type of company: Chemicals-protection and nutrition, Irrigation/drainage/water management, Equipment/accessories, Maintenance supplies, Services

Aquatrols, 5 N Olney Ave, Cherry Hill NJ 08003; Phone: 856-751-0309, 800-257-7797; Fax: 856-751-3859; Email: sales@aquatrols.com; Online: www.aquatrols.com; Type of company: Chemicals-protection and nutrition, Irrigation/drainage/water management

Arbor Systems LLC, 5710 Dogwood Dr, Omaha NE 68134; Phone: 402-339-4459, 800-698-4641; Fax: 402-339-5011; Online: www.arborsystem-sllc.com; Contact: President, Chip Doolittle; Type of company: Chemicals-protection and nutrition, Equipment/accessories

The Arboretum of Los Angeles County, 301 N Baldwin Ave, Arcadia CA 91007; Phone: 626-821-3222; Fax: 626-445-1217; Contact: Public Relations, Patricia Mannatt

Arbortech, 3203 W Old Lincoln Way, Wooster OH 44691; Phone: 330-264-4266, 800-255-5715; Fax: 330-264-0891; Online: www.arbortech.cc; Contact: Sales Rep, Keith Barr; Type of company: Equipment/accessories

Arcoa Industries, 130 Bosstick Blvd, San Marcos CA 92069; Phone: 760-599-6915, 800-748-5529; Fax: 760-599-6986; Email: sales@arcoa.com; Online: www.arcoa.com; Contact: Terry Thomas; Type of company: Equipment/accessories

Ardisan Inc, 1360 1st Ave, PO Box 666, Cumberland WI 54829, 800-345-6007; Fax: 715-822-4180; Email: info@ardisan.com; Online: www.ardisan.com; Contact: Sales Mgr, Tim Certain; Type of company: Equipment/accessories

Ariens, 225 Clay St, Jasper IN 47546; Phone: 812-481-5508

Ariens Company, 655 W Ryan, PO Box 157, Brillion WI 54110; Phone: 920-756-2141, 800-678-5443; Fax: 920-756-4472; Email: info@ariens.com; Online: www.ariens.com; Contact: Dir Sls & Research, Rick Von Schwarz; Type of company: Equipment/accessories

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Arizona Sports Turf Inc, 6125 E Joan De Arc Ave, Scottsdale AZ 85254; Phone: 480-699-9399; Fax: 480-596-5060; Email: arizonasportsturf@home.com; Contact: President, Brian Smith; Type of company: Chemicals-protection and nutrition, Equipment/accessories, Services

Armor Metal Products, 2500 Phoenix Ave, PO Box 4609, Helena MT 59604; Phone: 406-442-5560; Type of company: Equipment/accessories

Armour™ AccessBoxes, Pentair Water Treatment/Plymouth Prod; 502 Indiana Ave, PO Box 1047, Sheboygan WI 53081; Phone: 920-451-9343, 800-348-7558; Fax: 800-882-6652; Email: tengel@armoraccessboxes.com; Online: www.armoraccessboxes.com; Contact: Natl Sales Mgr, Tom Engel; Type of company: Equipment/accessories, Irrigation/drainage/water management

Arts Mfg and Supply Corp, 105 Harrison, American Falls ID 83211; Phone: 208-226-2421; Fax: 208-226-2337; Email: ams@ams-samplers.com; Online: www.ams-samplers.com

ASV Inc, 840 Lily Ln, PO Box 5160, Grand Rapids MN 55744; Phone: 218-327-3434, 800-345-5954; Fax: 218-327-9122; Email: sales@asvi.com; Online: www.asvi.com; Contact: Sls Dir, Don Powell; Type of company: Equipment/accessories

ATI Corp, 250 Earland Dr, New Holland PA 17557; Phone: 717-354-8721, 800-342-0905; Contact: VP, Jack Herr; Type of company: Equipment/accessories

Attachment Technologies Inc, Bradco McMillen Major; 503 Gary St, PO Box 266, Delhi IA 52223; Phone: 563-922-2981, 800-922-2981; Fax: 563-922-2700; Email: cwtham@get-attached.com; Online: www.get-attached.com; Contact: Sales Mgr, Dave Aldrich; Type of company: Equipment/accessories

Aventis USA Co, 2711 Centerville Rd, Wilmington DE 19808-1643; Phone: 302-892-3030; Fax: 302-892-3013

B

B & H Mfg Inc, 141 County Rd 34 East, Jackson MN 56143; Phone: 507-847-2807, 800-240-3288; Fax: 507-847-4655; Email: dav@bhmfg.com;

Online: www.bhmfg.com; Contact: Sales Mgr, Dave Cushman; Type of company: Equipment/accessories

Bachtold Bros, 509 West First St, PO Box 485, Gibson City IL 60936-0485; Phone: 217-784-5161, 877-784-5161; Fax: 217-784-5171; Email: bachtold@arendsons.com; Online: www.bachtoldbros.com; Contact: Natl Sls Mgr, Richard Steffen

Backflow Prevention Device Enclosures, 15840 N 32 St Ste 4, Phoenix AZ 85032; Phone: 602-788-5411, 800-266-5411; Fax: 602-788-6104; Online: www.bpd.com; Contact: Natl Sls Mgr, Fred Brown; Type of company: Equipment/accessories

BAHCO Pruning Tools, 6500 Millcreek, Mississauga, Ontario Canada L5N 2W6; Phone: 905-819-0098; Fax: 905-826-9504; Email: larry.figas@bahco.com

Baker Lime, PO Box 1189, York PA 17405; Phone: 717-793-5446; Fax: 717-792-2309; Type of company: Chemicals-protection and nutrition

Bamert Seed Co, 1897 CR 1018, Muleshoe TX 79347; Phone: 806-272-5506, 800 262-9892; Fax: 806-272-3114; Email: natives@bamertseed.com; Online: www.bamertseed.com; Contact: Sls/Adv, Pat Durbin; Exec VP/Office Mgr, Carolyn Harris; Carolyn Harris; Type of company: Seed/sod/sprigs

Bandit Industries Inc, 6750 Millbrook Rd, Remus MI 49340-9600; Phone: 989-561-2270, 800-952-0178; Fax: 989-561-2273; Email: brushbandit@eclipse.com; Online: www.banditchippers.com; Contact: Regional Sales Manager; Type of company: Equipment/accessories

Banko Manufacturing Inc, 222 Commercial Pl, Sebring FL 33876; Phone: 863-655-2228, 800-710-9446; Fax: 863-655-2407; Email: banko@spraytec.com; Online: www.banko@spraytec.com; Contact: President, Rich Banko; Type of company: Equipment/accessories

Bare Ground Systems, 92 Bolt St, Lowell MA 01852; Phone: 978-459-7714, 888-800-8356; Fax: 978-459-6294; Type of company: Snow/ice management

Barenbrug USA, 33477 Hwy 99E, PO Box 239, Tangent OR 97389; Phone: 541-926-5801, 800-547-4101; Fax: 541-926-9435; Email: info@barusa.com; Contact: Sales, Marc Cool; Type of company: Seed/sod/sprigs

Barlow Tyrie Inc, 1263 Glen Ave Suite 230, Moorestown NJ 08057; Phone: 856-273-7878, 800-451-7467; Fax: 856-273-9199; Email: sales.usa@teak.com; Online: www.teak.com; Contact: Sales Coord, Carole Bielicki; Type of company: Equipment/accessories

The F A Bartlett Tree Expert Company, 1290 E Main St, PO Box 3067 (06902-0067), Stamford CT 06902-0067; Phone: 203-323-1131, 877-BARTLETT; Fax: 203-323-5690; Email: kkarpp@bartlett.com; Online: www.bartlett.com; Contact: Dir Mktg & PR, Kenneth J. Karp; Type of company: Services

BASF Corporation, Specialty Products Division; 26 Davis Dr, Research Triangle Park NC 27709; Phone: 919-547-2819, 800-669-1770; Fax: 919-547-2410; Online: www.turfacts.com; Contact: Mktg Comm Mgr, Derek Miller; Type of company: Chemicals-protection and nutrition

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Bayer Corp, Ag Chemicals Div; 8400 Hawthorn Rd, PO Box 4913, Kansas City MO 64120-0013; Phone: 816-242-2000, 800-842-8020; Fax: 816-242-2298; Online: www.usagri.bayer.com; Contact: Br Mgr, Neil Cleveland; Type of company: Chemicals-protection and nutrition