Why insecticides and miticides fail

A. Failures related to label: not reading and/or following label specifications

B. Failures related to identification: not knowing the pest or plants well

C. Failures related to products: not knowing the products well

D. Failures related to methods: not knowing the method of treatment well

E. Failures related to timing: improper timing of application

— Bal Rao, Ph.D.

INSECT PESTS OF COOL-SEASON GRASSES

BENTGRASS
* Mole cricket
* Sod webworm

BLUEGRASS
* Sod webworm
* Billbug

TALL FESCUE
* Ants
* Army/cutworms
* Bees/wasp
* White grubs
* Green jun/ beetles
* Ground pearls
* Leafhoppers/spittlebugs
* Sod webworms

RYEGRASS
* Fall armyworm
* Leafhoppers

INSECT PESTS OF WARM-SEASON GRASSES

BERMUDAGRASS
* Billbug
* Sod webworm

CENTIPEDEGRASS
* Ground pearls
* Hunting billbug
* Two-lined spittlebug

ZOYSIAGRASS
* Billbug

ST. AUGUSTINEGRASS
* Ground pearls
* Hunting billbugs

SOURCE: NORTH CAROLINA COOPERATIVE EXTENSION

The Basic Training for Ground Operations in Tree Care 5-part video set offered by the National Arborist Association (NAA) was produced to help the company owner or supervisor meet the challenge of training employees in the safe performance of quality tree care work.

The vital information contained in the video set was designed to provide training for newer employees but also contains information that will benefit even the experienced tree care worker. The 5 videos cover:

• Worker Orientation
• Vehicle Safety
• Job Planning & Preparation
• Working Safely & Efficiently
• Brush Chipper Operation & Maintenance

Call for a FREE promotional video & catalog of many other tree care & safety products.

Order Today!

Circle 120
### TABLE 1. BEHAVIORS/CHARACTERISTICS OF VARIOUS PLANTS

<table>
<thead>
<tr>
<th>Plant</th>
<th>Location</th>
</tr>
</thead>
<tbody>
<tr>
<td><em>Cornus florida</em> (flowering dogwood)</td>
<td>Michigan: understory tree, protect from wind &amp; salt</td>
</tr>
<tr>
<td></td>
<td>North Carolina: full sun turf tree, street</td>
</tr>
<tr>
<td><em>Buddleia davidii</em> (butterfly bush)</td>
<td>Michigan: tender woody plants, dies back down to ground, grows 4 to 6 ft., good use in a perennial garden</td>
</tr>
<tr>
<td></td>
<td>New Mexico: woody shrubs, grows 6 to 15 ft., use in perennial border or informal shrub mass</td>
</tr>
<tr>
<td><em>Tsuga canadensis</em></td>
<td>Kentucky: can use for street tree (Canadian hemlock)</td>
</tr>
<tr>
<td></td>
<td>Michigan: needs wind and salt protection, partial shade</td>
</tr>
<tr>
<td><em>Rhododendron catawbiense</em></td>
<td>Michigan: avoid western and southern exposure, protect from northern winds, grows 4 to 6 ft., possibly a little larger if well cared for.</td>
</tr>
<tr>
<td></td>
<td>Pennsylvania: good evergreen screen, grows 10 to 16 ft.</td>
</tr>
</tbody>
</table>

### TABLE 2. PLANT SUBSTITUTION SUGGESTIONS

<table>
<thead>
<tr>
<th>Plant</th>
<th>Substitution</th>
</tr>
</thead>
<tbody>
<tr>
<td><em>Cornus florida</em> (flowering dogwood)</td>
<td><em>Cornus kousa</em> (kousa dogwood)</td>
</tr>
<tr>
<td><em>Hemerocallis</em> (daylily)</td>
<td><em>Liriope spicata</em> (creeping lily turf)</td>
</tr>
<tr>
<td><em>Craetaegus sp.</em> (hawthorne)</td>
<td><em>Chionanthus virginicus</em> (white fringe tree)</td>
</tr>
<tr>
<td><em>Acer saccharum</em> (sugar maple)</td>
<td><em>Cladrastis lutea</em> (yellowwood)</td>
</tr>
<tr>
<td><em>Euonymous alata ‘Compacta’</em> (burning bush)</td>
<td><em>Viburnum dentatum</em> (arrowwood viburnum)</td>
</tr>
<tr>
<td><em>Syringa vulgaris</em> (common lilac)</td>
<td><em>Vitex agnus negundo</em> (lilac chaste tree)</td>
</tr>
<tr>
<td><em>Azalea sp.</em> (rhododendron)</td>
<td><em>Daphne x burkwoodii</em> (burkwood daphne)</td>
</tr>
<tr>
<td><em>Juniperis horizontalis</em></td>
<td><em>Microbiota decussata</em> (Russian cypress)</td>
</tr>
<tr>
<td><em>Spiraea bumalda ‘Goldflame’</em></td>
<td><em>Callicarpa dichotoma</em> (beautyberry)</td>
</tr>
<tr>
<td><em>Picea abies ‘Conica’</em> (dwarf alberta spruce)</td>
<td><em>Sciadopitys verticillata</em> (Japanese umbrella pine)</td>
</tr>
<tr>
<td><em>Cotoneaster horizontalis</em> (rockspray cotoneaster)</td>
<td><em>Erica or Caluna sp.</em> (heath or heather)</td>
</tr>
<tr>
<td><em>Hydrangea sp.</em></td>
<td><em>Aronia melanocarpa</em> (black chokeberry)</td>
</tr>
<tr>
<td><em>Amelanchier sp.</em></td>
<td><em>Amelanchier sp.</em> (nothing beats a good amelanchier!)</td>
</tr>
</tbody>
</table>

**WOODY ORNAMENTALS RESISTANT OR IMMUNE TO CROWN GALL**

- Abelia
- Ailanthus (tree-of-heaven)
- Albizia (silk tree)
- Amelanchier (serviceberry)
- Berberis (barberry)
- Betula (birch)
- Buxus (boxwood)
- Calluna (heather)
- Carpinus (hornbeam)
- Catalpa
- Cedrus (cedar)
- Cercis (redbud)
- Cladrastis (yellowwood)
- Cotinus (smoke tree)
- Cryptomeria
- Deutzia
- Fagus (beech)
- Ginko (maidenhair tree)
- Gymnocladus (Kentucky coffee-tree)
- Ilex (holly)
- Kalmia (mountain laurel)
- Koelreuteria (golden-rain tree)
- Laburnum (golden-chain tree)
- Larix (larch)
- Leucothoe
- Liquidambar (sweet gum)
- Liriodendron (tulip tree)
- Magnolia
- Mahonia (Oregon grape, holly grape)
- Nyssa (sour gum)
- Picea (spruce)
- Pieris (andromeda)
- Pyracantha (firethorn)
- Rhus (sumac)
- Sambucus (elderberry)
- Sassafras
- Tsuga (hemlock)
- Zelkova

SOURCE: VIRGINIA COOPERATIVE EXTENSION, VIRGINIA TECH AND VIRGINIA STATE UNIVERSITIES
Use the following chart to determine the correct amount of fertilizer when applying nitrogen required per 1000 square feet.

<table>
<thead>
<tr>
<th>Fertilizer analysis</th>
<th>lbs of fertilizer per 1000 sq. ft.</th>
</tr>
</thead>
<tbody>
<tr>
<td>1/2</td>
<td>16.6</td>
</tr>
<tr>
<td>1</td>
<td>25.0</td>
</tr>
<tr>
<td>1.5*</td>
<td>33.0</td>
</tr>
<tr>
<td>2.0*</td>
<td>(SCU) (42-0-0)</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Nitrogen Sources</th>
<th>Value</th>
<th>Release Mechanisms</th>
</tr>
</thead>
<tbody>
<tr>
<td>Urea</td>
<td>46-0-0</td>
<td>Water, temperature, microbial</td>
</tr>
<tr>
<td>Ammonia sulfate</td>
<td>21-0-0</td>
<td>Water, moderate temperature</td>
</tr>
<tr>
<td>Nitrate (ammonia)</td>
<td>33-0-0</td>
<td>Water, low temperature</td>
</tr>
</tbody>
</table>

SOURCE: VIRGINIA COOPERATIVE EXTENSION, VIRGINIA TECH AND VIRGINIA STATE UNIVERSITIES

TABLE 1

<table>
<thead>
<tr>
<th>Product Category</th>
<th>Release Factors</th>
</tr>
</thead>
<tbody>
<tr>
<td>Polymer coated</td>
<td>thickness</td>
</tr>
<tr>
<td>sulfur coated</td>
<td>temp.</td>
</tr>
<tr>
<td>ureas (SCU)</td>
<td>pH</td>
</tr>
<tr>
<td></td>
<td>microbes</td>
</tr>
<tr>
<td></td>
<td>water</td>
</tr>
</tbody>
</table>

TABLE 2

<table>
<thead>
<tr>
<th>Polymer coated</th>
<th>Degree of influence</th>
</tr>
</thead>
<tbody>
<tr>
<td>ureas (i.e. Polyon), (42,43,44-0-0)</td>
<td>XX XX</td>
</tr>
</tbody>
</table>

8300/8800 • Our Model 8300 and 8800 (not shown) utilize a high torque fully reversible Eaton hydraulic motor.
• The Model 8300 attaches to the bottom or side of your front-end loader.
• The Model 8800 attaches to a Category I 3-point hitch.

POST DRIVERS

• Our drivers have been in the field since the 1950’s.
• You maintain control of the driving head with the control handle.
• PTO or hydraulic models with hydraulic motors operating from 4 to 8 GPM at 1500 to 2500 PSI.
• Model BMDH easily leveled from boom support. Models MDH1 and MD6 level with tractor 3-point hitch.

8900 • The Model 8900 utilizes a high torque fully reversible Eaton hydraulic motor with a planetary gear driven system.
• The 8900 attaches to a Category I or II 3-point hitch, skid-steer or on the side of your front-end loader.

F8 • Our F series has been digging holes since 1943. The F8 is ideal for farm or commercial work.
• Designed for Category I or II 3-point hitch 40 HP and above.
• The F8 gearbox contains a spiral ring gear and pinion equipped with Timken bearings.

G20/40 (Not Shown) • Designed for Category I 3-point hitch 20 to 40 HP tractors.
• The G20/40 gearbox contains a forged ring gear and pinion equipped with Timken bearings.

RETROFIT SAFETY GUARDING is available for all older Danuser models! We encourage you to get current guarding installed on your older machines.
### LOW TO HIGH RANGES OF SEEDING/ESTABLISHMENT RATES

<table>
<thead>
<tr>
<th>Grass type</th>
<th>Rate</th>
</tr>
</thead>
<tbody>
<tr>
<td>Kentucky bluegrass</td>
<td>1.5 to 3.0 lbs./1,000 sq. ft.</td>
</tr>
<tr>
<td>Perennial ryegrass</td>
<td>2 to 4 lbs./1,000 sq. ft.</td>
</tr>
<tr>
<td>Fine fescue</td>
<td>2 to 4 lbs./1,000 sq. ft.</td>
</tr>
<tr>
<td>Tall fescue</td>
<td>9 to 10 lbs./1,000 sq. ft.</td>
</tr>
<tr>
<td>Bermudagrass</td>
<td>1 bushel of springs/1,000 sq. ft. or 2-in. plugs on 6-in. spacings</td>
</tr>
<tr>
<td>Zoysiagrass</td>
<td>2-in. plugs on 6-in. spacings in rows 6 in. apart</td>
</tr>
</tbody>
</table>

**SOURCE:** JOHN FECH, UNIVERSITY OF NEBRASKA

### TURFGRASS MANAGEMENT FACTORS THAT CAN AFFECT THE "HEALTH" OF YOUR TURF MOWING:

<table>
<thead>
<tr>
<th>PGRs</th>
<th>shading</th>
<th>seed blends</th>
<th>heat</th>
</tr>
</thead>
<tbody>
<tr>
<td>clippings</td>
<td>surfactants</td>
<td>drainage (runoff)</td>
<td>irradiation</td>
</tr>
<tr>
<td>topdressing</td>
<td>nematicides</td>
<td>organic</td>
<td>humidity (dew)</td>
</tr>
<tr>
<td>irrigation</td>
<td>aerification</td>
<td>amendments</td>
<td>air circulation</td>
</tr>
<tr>
<td>fertilization</td>
<td>compaction</td>
<td>soil amendments</td>
<td>(drying)</td>
</tr>
<tr>
<td>overseeding</td>
<td>soil reaction</td>
<td>biological agents</td>
<td>fungicides</td>
</tr>
<tr>
<td>sodding</td>
<td>weeds</td>
<td>seed mixtures</td>
<td>growth stimulators</td>
</tr>
</tbody>
</table>

**SOURCE:** VIRGINIA COOPERATIVE EXTENSION, VIRGINIA TECH AND VIRGINIA STATE UNIVERSITIES

---

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FAX: 312.372.6160
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HOW TO USE THIS DIRECTORY

Suppliers Listings (see page 56)
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 85)
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 99)
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 103)
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.
AG Plus Inc, 440 Mourey St, PO Box 97, New Haven IN 47774; Phone: 219-749-5139, 800-448-3965; Fax: 219-493-2749

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.allislawnm.com; Type of company: Equipment/accessories

AGri-Fab Inc, 303 W Raymond St, PO Box 500, Sullivan IL 61915; 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 50

Agricultural Data Systems, 24331 Los Arboles, Laguna Niguel CA 92677-2196; Phone: 949-363-5353, 800-DATA-2GO; Fax: 949-495-7066; Email: sales@touchmemory.com; Online: www.touchmemory.com; Type of company: Business management, Services

Agrifirm, 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: atidala@ao.com; Online: www.agscinc; Contact: Sis 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: 490-953-9237; Email: ati@worldnet.att.net; Online: www.airtechnical.com; Type of company: Equipment/accessories

Air-O-Lator Corp, 8100-42 Paseo, Kansas City MO 64131-2399; Phone: 816-363-4242, 800-821-3177; Fax: 816-363-3232; Email: sales@airolator.com; Online: www.airolator.com; Contact: Vice Pres Manufacturing, Roy L. Watkins; Type of company: Irrigation/drainage/water management

Alabama Nurserymen’s Association, PO Box 9, Auburn AL 36831-0009; Phone: 334-821-5148; Fax: 334-821-9111; Email: alna@prodigy.net; Online: www.alna.org; Contact: Exec Dir, Linda H. Van Dyke

Algonia Net Co, 1525 Mueller St, Algoma WI 54201; Phone: 920-487-5577; Fax: 920-487-2852; Email: algomnet@tch.com; Contact: Natl Sis mgr, Dale Massey; Type of company: Equipment/accessories

All Florida Trencher & Equipment, PO Box 160403, Miami FL 33166-0403; Online: www.atftec@belbouch.net; Type of company: Equipment/accessories

All Pro Putting Greens Inc, 2265 Holcomb Rd, Ringold GA 30736-2827; Phone: 800-334-9005; Fax: 706-965-6071; Email: allpro@allprogreens.com; Online: www.allprogreens.com; Contact: Pres, Chris Heptinstall; Type of company: Equipment/accessories, Design/build products, Maintenance supplies, Seed/sod/sprigs, Services

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

Alliance for Environ Concerns, 25 King George Rd, PO Box 4292, Warren NJ 07059-4292; Phone: 732-563-9252; Fax: 732-560-8388; Email: econcerns@eclipse.net; Contact: Exec Dir, Nancy Sedlon

Allied Mach Corp, 94-168 Leolelo St, PO Box 971026, Waipahu HI 96717-0126; Phone: 808-671-9005; Fax: 808-671-0440; Contact: Patrick Feyerisen; Type of company: Equipment/accessories

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

Allied Mach Corp, 1840 Halekauka St, Pahi HI 96766; Phone: 800-245-8581; Fax: 808-246-0289; Contact: Sis, 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

Alto US Inc, 16253 Swingline Ridge Rd, Chesterfield MO 63017-1725; Phone: 636-530-0871; Fax: 636-530-0872; Online: www.alto-online.com; Contact: VP Sis No Am, John Castaldo; Type of company: Equipment/accessories, Maintenance supplies

Ameristat Lawn Care Mktg Grp, 8050 Freedom Ave NW, North Canton OH 44720, 800-790-0096; Fax: 330-494-0226; Email: sbtaush@ameristat.com; Online: www.ameristat.com; Contact: Account Executive, Steven R. Buzash; Type of company: Services

American Forestry Association, PO Box 2000, Washington DC 20013; Phone: 202-955-4500; Fax: 202-955-4588; Online: www.amfor.org

American Forests, PO Box 2000, Washington DC 20013; Phone: 202-955-4500; Fax: 202-955-4588; Online: www.amfor.org; Contact: VP Admin, Lu Rose

American Grancy Inc, 7645 Henry Clay Blvd, Livermore NY 13088; Phone: 315-451-1100, 800-776-2266; Fax: 800-729-3299; Online: www.americangrancy.com; Contact: Vice Pres 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 Sis Mgr, Rob Clum; Type of company: Equipment/accessories

American Horticultural Therapy Association, 909 York St, Denver CO 80206; Phone: 720-865-3616; Fax: 720-865-3728; Email: ahta@earthlink.net; Online: www.ahta.org; Contact: Dir of Admin, Mary Mitchell

American Marking Corp, 12712 Q St, Omaha NE 68137-3212; Phone: 402-895-5627, 800-777-4635; Fax: 402-895-3976; Online: www.markingflag.com; Contact: President, Tom moderow; Type of company: Equipment/accessories

See our ad on page 50
Arizona State University, Tempe AZ 85287; Phone: 480-965-9011; Online: www.asu.edu

Arkansas Turfgrass Association, PO Box 22221, Little Rock AK 72221-2221; Phone: 501-224-4840; Contact: Exec Dir, Anne Borg

Arkion Life sciences LLC, Environmental Biocontrol Int; 3521 Silverside Rd, Wilmington DE 19810; Phone: 302-695-5781, 800-468-6324; Fax: 302-695-5763; Email: nobirds@flightcontrol.com; Online: www.flightcontrol.com; Contact: Mktg Coord, Becky Price; Type of company: Chemicals-protection and nutrition

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

Associated Landscape Contractors of America, 150 Elden St Ste 270, Herndon VA 20170; Phone: 703-736-9666, 800-395-2522; Fax: 703-736-9668; Email: information@alca.org; Online: www.alca.org; Contact: Exec Vice Pres, Debra Holder; President, Cynthia Peterson; Pres Elect, Steven Glover; Sec/Treas, Emily Thompson; Director, Rick Doesburg; Director, Dale Elkins; Debra Holder; President, Cynthia Peterson; Pres Elect, Steven Glover; Sec/Treas, Emily Thompson; Director, Rick Doesburg; Director, Dale Elkins; Debra Holder; Type of company: Equipment/accessories

Atlantic Seedsmens Association Inc, 298 E Main St, PO Box 266, Delmar NY 12054; Phone: 814-237-0330; Fax: 814-237-0330; Email: atlanticseed@psu.edu; Online: www.atlanticseedsmen.org; Contact: Exec Dir, John E. Baylor

Attachment Technologies Inc, Bradco McMillen Major, PO Box 266, Delhi IA 52223; Phone: 563-922-2981, 800-922-2981; Fax: 563-922-2700; Email: jwilley@get-attached.com; Online: www.get-attached.com; Contact: Sales, Jim Stewart

B & H Mfg Inc, 141 County Rd 34 East, Jackson MI 49213; Phone: 507-487-2907, 800-240-3288; Fax: 507-847-4655; Email: dav@bhmgf.com; Online: www.bhmgf.com; Contact: Sales Mgr, Dave Cushman; Type of company: Equipment/accessories

Baker Mineral Products, PO Box 1189, York PA 17405; Phone: 717-848-1651; Fax: 717-854-9555; Type of company: Chemicals-protection and nutrition

Bamert Seed Co, Rte 3 Box 1120, Muleshoe TX 79347; Phone: 806-272-5506, 800-262-9892; Fax: 806-272-3114; Email: natives@bamertseed.com; Online: www.bamertseed.com; Contact: SlsAdv, Pat Dunber; Exec VP/Office Mgr, Carolyn Harris; Type of company: Seed/sod/sprigs

Barnes Control Device Inclosures, 15840 N 32 St Ste 4, Phoenix AZ 85032; Phone: 602-788-5411, 800-266-5411; Fax: 602-788-6104; Online: www.bpdl.com; Contact: Natl Sls Mgr, Bill Keim; Type of company: Equipment/accessories

Baker Mineral Products, PO Box 1189, York PA 17405; Phone: 717-848-1501; Fax: 717-854-9555; Type of company: Chemicals-protection and nutrition

Barland Industries Inc, 6750 Millbrook Rd, Remus MI 49340-9900; Phone: 989-561-2270, 800-952-0178; Fax: 989-561-2273; Email: brushbanditt@eclipsetel.com; Online: www.bandchippers.com; Contact: Regional Sales Manager; Type of company: Equipment/accessories

Bare Ground, 92 Bolt St, Lowell MA 01852, 888-800-8356; Type of company: Snowice 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@barenbrugusa.com; Online: www.barenbrugusa.com; Type of company: Chemicals-protection and nutrition, Seed/sod/sprigs, Equipment/accessories

Barlow Tyrie Inc, 1263 Glen Ave Ste 230, Moorcoast NJ 08057-1139; Phone: 856-231-7878, 800-451-7467; Fax: 856-231-9199; Email: sales.usa@teak.com; Online: www.teak.com; Contact: Sales Mgr, Kathleen Poppe; Type of company: Equipment/accessories

Bayer Crop Science, Specialty Products Division, 26 Davis Dr, PO Box 13528, Research Triangle Park NC 27709, 800-669-1770; Phone: 919-547-2410; Online: www.turffacts.com; Type of company: Chemicals-protection and nutrition See our ad on pages 3 & 107

Bayer Corp, Ag Chemicals Div, 8400 Hawthorn Rd, PO Box 4913, Kansas City MO 64101-0013; Phone: 816-242-2000, 800-842-8020; Fax: 816-241-4735; Online: www.usagri.bayer.com; Contact: Br Mgr, Neil Cleveland; Type of company: Chemicals-protection and nutrition

Beard Books, 1812 Shadowood Dr, College Station TX 77840; Phone: 979-693-4066; Fax: 979-693-4878; Type of company: Equipment/accessories

Beltline Underwood Inc, 801 Dayton Ave, PO Box 667, Ames IA 50010; Phone: 515-232-5907, 800-232-5907; Fax: 515-232-5961; Email: request@buckcolor.com; Online: www.buckcolor.com; Contact: VP Sales & Mktg, Cozette Hadley; Type of company: Chemicals-protection and nutrition

BEFCO Inc, PO Box 6036, Rocky Mount NC 27802-6036, Phone: 252-977-9920, 800-334-6617; Fax: 252-977-9718; Email: sales@befco.com; Online: www.befco.com; Contact: Sales Coordinator, Danny Chiche; Type of company: Equipment/accessories

Belton Industries Inc, 8613 Roswell Rd, Atlanta GA 30350; Phone: 770-587-0257, 800-225-4099; Fax: 770-992-6361; Email: bmoran@beltonindustries.com; Online: www.beltonindustries.com; Contact: Product Manager, Bob Moran; Type of company: Chemicals-protection and nutrition, Equipment/accessories

Bernhard & Co Ltd, Bilton Rd, Rugby, CV22 7DT United Kingdom; Phone: 888-474-6348; Fax: 011 44 1788 812640; Email: info@bernhard.co.uk; Online: www.bernhard.co.uk; Contact: Dir Sales & Mktg, Sam McLean; Type of company: Equipment/accessories

BEST-Simplot Turf & Horticulture, Professional Products, 16777 Howland Rd, PO Box 138 (95330-0198), Lathrop CA 95330-0198; Phone: 209-858-2511, 800-992-6066; Fax: 209-858-2519; Email: best@simplot.com; Online: www.bestfertilizer.com; Contact: Mgr Pro Prod, Steve Franzon; Type of company: Chemicals-protection and nutrition

BidMrg.com, 3562 McGinnis Ferry Rd, Alpharetta GA 30005; Phone: 678-624-0877, 800-332-5971; Email: admin@bidmgr.com; Online: www.bidmgr.com; Contact: Sales, VP Svcs, Jack Hammons; Type of company: Electronic Commerce

Big John Tree Transplanter Mfg Inc, 25 Rock Products Rd, PO Box 960, Heber Springs AR 72543-0960; Phone: 501-362-8161, 800-643-8039; Fax: 501-362-5407; Email: bigjohn@cswnet.com; Online: www.big-john.com; Contact: William Humphreys; Type of company: Equipment/accessories

bil-jax inc, 125 Taylor Pkwy, Archbold OH 43502-9305; Phone: 419-445-8915, 800-537-0540; Fax: 419-445-0367; Email: mrktg@biljax.com; Online: www.biljax.com; Contact: Vice President Sales & Marketing, Chuck Hutchinson; Type of company: Equipment/accessories

Billion Goat Industries Inc, 1303 SW Jefferson, PO Box 308, Lees Summit MO 64063; Phone: 816-524-9666; Fax: 816-524-6983; Email: will@billygoat.com; Online: www.billygoat.com; Contact: Natl Sls Mgr, Ken Hessell; Type of company: Equipment/accessories

Bio-Green Inc, 101 S Rainbow Suite 28/56, Las Vegas NV 89145; Phone: 702-734-2131, 877-557-8866; Fax: 702-734-6626; Online: www.biogreen.com; Contact: Sales Dir, James Smith; Type of company: Chemicals-protection and nutrition, Irrigation/drainage/water management, Maintenance supplies

Aventi/Chipo, 95 Chestnut Ridge Rd, Montvale NJ 07645; Phone: 201-307-9700 See our ad on pages 8-11
Century Rain Aid, 4100 Sandy Spring Rd, Burtonsville MD 20866; Phone: 301-476-9417; Fax: 301-476-9708; Contact: Mgr, Roderick D. Pinion; Type of company: Irrigation/drainage/water management, Maintenance supplies

Century Rain Aid, 350 Main St, Hudson MA 01749; Phone: 978-567-9200; Fax: 978-567-9605; Contact: Mgr, Glenn M. Gooney; Type of company: Irrigation/drainage/water management, Maintenance supplies

Century Rain Aid, 2111 Treat Hwy, Adrian MI 49221; Phone: 517-263-5226; Type of company: Irrigation/drainage/water management, Maintenance supplies

Century Rain Aid, 500 Malden St, South St Paul MN 55304; Phone: 651-457-0005; Fax: 651-457-8328; Contact: Mgr, Thomas D. Larson; Type of company: Irrigation/drainage/water management, Maintenance supplies

Century Rain Aid, 730 Ridgewood Rd # 11, Ridgeland MS 39157; Phone: 601-977-9977; Type of company: Irrigation/drainage/water management, Maintenance supplies

Century Rain Aid, 624-B Goddard, Chesterfield MO 63005; Phone: 636-519-9996; Fax: 636-519-9818; Contact: Mgr, Dennis C. Aubuchon; Type of company: Irrigation/drainage/water management, Maintenance supplies

Century Rain Aid, 8030 S Willow St Bldg 3, Manchester NH 03103; Phone: 603-621-2900; Fax: 603-621-9863; Contact: Mgr, Kevin B. Hess; Type of company: Irrigation/drainage/water management, Maintenance supplies

Century Rain Aid, 1251C Hurvilles Rd, Deptford NJ 08066; Phone: 856-232-7270; Fax: 856-232-7377; Contact: Mgr, Barry F. Abrams; Type of company: Irrigation/drainage/water management, Maintenance supplies

Century Rain Aid, 10 Conklin St, Deer Park NY 11729; Phone: 631-567-8920; Fax: 631-586-3123; Contact: Mgr, James A. Oppedisano; Type of company: Irrigation/drainage/water management, Maintenance supplies

Century Rain Aid, 4205 Golf Acres Dr, Charlotte NC 28208; Phone: 704-398-7344; Fax: 704-398-7345; Contact: Mgr, Walt M. Summerville; Type of company: Irrigation/drainage/water management, Maintenance supplies

Century Rain Aid, 1260 Moore Rd Unit 110, Avon OH 44011; Phone: 419-867-1675; Fax: 419-867-1835; Contact: Mgr, Nicholas D. Nieman; Type of company: Irrigation/drainage/water management, Maintenance supplies

Century Rain Aid, 200 Jefferson St, Eugene OR 97402; Phone: 541-342-1203; Fax: 541-342-1026; Contact: Mgr, Thomas S. McGlasson; Type of company: Irrigation/drainage/water management, Maintenance supplies

Century Rain Aid, 77 DeKalb Pike, PO Box 335, Bridgeport PA 19405; Phone: 610-265-7070; Fax: 610-265-1009; Contact: Mgr, Charles G. Canning; Type of company: Irrigation/drainage/water management, Maintenance supplies

Century Rain Aid, 235 Elm St, Warwick RI 02888; Phone: 401-461-0555; Fax: 401-461-2759; Contact: Mgr, David M. Mielkiewski; Type of company: Irrigation/drainage/water management, Maintenance supplies

Century Rain Aid, 1300 Fontaine Rd, Columbia SC 29223; Phone: 803-786-9700; Fax: 803-786-9733; Contact: Mgr, William W. Bruner; Type of company: Irrigation/drainage/water management, Maintenance supplies

Century Rain Aid, 312 E 12300 S, Draper UT 84020; Phone: 801-553-9780; Fax: 801-553-1197; Contact: Mgr, Jon B. Hayden; Type of company: Irrigation/drainage/water management, Maintenance supplies

Century Rain Aid, 4155A Westfax Dr, Chantilly VA 20151; Phone: 703-968-7081; Fax: 703-968-7083; Contact: Mgr, Michell I. Hulbert; Type of company: Irrigation/drainage/water management, Maintenance supplies

Century Rain Aid, 21850 Watertown Rd, Waukesha WI; Phone: 262-784-4445; Fax: 262-784-4447; Contact: Mgr, Kevin J. Archambault; Type of company: Irrigation/drainage/water management, Maintenance supplies

Century Rain Aid, 944 Zelco Dr, Burlington, Ontario Canada L7H4T3; Phone: 905-639-7988;Fax: 905-639-7675; Contact: Mgr, H. Cowan; Type of company: Irrigation/drainage/water management, Maintenance supplies

Champion America, PO Box 3092, Stoney Creek CA 95689; Phone: 209-351-1181, 800-521-7000; Fax: 800-336-3707; Contact: Dir MKtg Adm, Donna Canestri; Type of company: Maintenance supplies

Champion Irrigation Products, 1460 Naud St, Los Angeles CA 90012-1919; Phone: 323-221-2106, 800-33-CHAMP; Fax: 323-221-1690; Online: www.championirrigation.com; Type of company: Equipment/accessories, Irrigation/drainage/water management

W E Chapps Inc, PO Box 291054, Port Orange FL 32129-1054; Phone: 386-761-2427; 800-816-2427; Fax: 386-767-2200; Email: safety@wechapps.com; Online: www.wechapps.com; Contact: President, Jim Carter; Type of company: Equipment/accessories, Chemicals-protection and nutrition

Cherrington Corp, Hwy 19 W, PO Box A, Fairfax MN 55332; Phone: 507-426-7261, 800-966-1588; Fax: 507-426-7263; Email: beaches@cherrington.net; Online: www.cherrington.net; Type of company: Equipment/accessories

T Christie Enterprises Inc, 655 E Ball Rd, Anaheim CA 92805-9910; Phone: 714-507-3300, 800-258-4583; Fax: 714-507-3310; Email: jon@tchristy.com; Online: www.tchristy.com; Contact: Pres, Jon Christie; Type of company: Equipment/accessories

J A Cissel Mfg Co, PO Box 2025, Lakewood NJ 08701; Phone: 732-901-0300, 800-631-2234; Fax: 732-901-1166; Email: info@jacissel.net; Online: www.jacissel.net; Contact: Pres, William Spisz;