



A CAT WILL ALWAYS LAND ON ITS FEET.

IF YOU WASH YOUR CAR, IT WILL RAIN.

TOAST WILL ALWAYS FALL BUTTERED-SIDE DOWN.

USE SUBDUE AND YOU'LL ELIMINATE PYTHIUM.

ACCIDENT PREVENTION



Perform regular tune-ups and safety checks on power equipment. Follow manufacturer specifications.

You can never do enough

says Ron Damgaard, president of Otto Damgaard Sons, Mount Prospect, Ill. He is chairman of the Associated Landscape Contractors of America's safety committee.

Damgaard suggests that an employee, in the course of everyday work, wear boots with a protective toe and non-slip soles,



Eye protection should be your first concern when operating high-speed trimmers.

Production, liability, insurance concerns dictate more training and proper equipment.

by Mark Dlugoss

■ In any given year, the number of accidents associated with mowers reaches between 60,000 and 80,000, according to the Consumer Product Safety Commission. While most are attributed to consumers, a growing number of professional operators are included.

One of the easiest ways to reduce accidents in the field is to make sure crews are equipped with personal safety equipment—especially when pesticides are involved.

Using safety equipment is important for several reasons. First, there is the personal protection that should be provided for employees in the course of performing their jobs. Then, there is the loss of worker productivity associated with an injured worker, not to mention the legal repercussions.

"If a worker is injured (in the course of performing his job), he's

not going to help your production," says Tom Delaney, government affairs director for the Professional Lawn Care Association of America. He refers, of course, to the time the employee spends on workmen's compensation. "Then, you always have the possibility of a lawsuit if you are not providing adequate safety for your employees."

Recommended vs. required—

Depending on the piece of equipment used, employees should have the minimum *required* protection. Employers should also strive to outfit them with the *recommended* protection.

For instance, when using mowers, workers should have safety glasses (goggles or face shield), ear protectors (or ear plugs) and gloves for minimum protection. Recommended protection could include hardhats and safety vests.

"Unfortunately, operators become safety-conscious only after they have been hurt in the pocketbook and their workmen's compensation claims start going up,"

Eye-wash stations are required for companies with workers applying control products.



close-fitting trousers and a shirt. He adds that a worker is headed for trouble if he shows up for work wearing loose-fitting clothes.

It is vital that employees using pesticides are equipped with the proper safety equipment. Numerous state and federal regulations may require special safety equipment when working with restricted-use pesticides (use, storage, mixing and loading). When dealing with such chemicals, you must refer to the MSDS and the pesticide labels for the proper safety equipment.

Pesticide safety—While there are no equipment requirements for general-use pesticides (those purchased over-the-

continued on page 16



Introducing the new Grand L Series.

Features

Benefits

A new transmission allows you to shift-on-the-go between the four main gears and forward to reverse.

You can work more quickly and efficiently.

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The independent PTO can be switched on and off without stopping.

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A new low-noise, low-emission, E-TVCS diesel engine delivers more power with higher torque rise.

You can get more work done in less time.

A full-floating ISO-mounted flat deck provides ample legroom and minimal vibration.

You'll be more comfortable.

The quick attach front loader has high lift height and powerful lift capacity.

You can move larger loads with less effort.

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KUBOTA TRACTOR CORPORATION

For more information, write to: Kubota Tractor Corporation, P.O. Box 2992, Torrance, CA 90509-2992. Financing available through Kubota Credit Corporation.



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Dylox. If you don't know why that's

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important, we'll bring you up to speed.





DYLOX® insecticide controls all species of white grubs in as little as 24 to 48 hours. It doesn't waste time. Then it doesn't hang around.

In these times, that's reason enough to use DYLOX. But there's more. It has no label restrictions on turf grass species or sites. So, you can treat your tees, greens and fairways for grubs, as well as cutworms and sod webworms. And with the DYLOX 80% powder formulation, you can also treat your flowers, shrubs and trees for armyworms, bagworms, pine tip moths, webworms and stink bugs.



Add to that the fact that it's a low-odor compound available in 6.2% granular as well as 80% water soluble powder. Now you can understand why it is the fastest growing grub insecticide on the market.

For more information, contact Miles Inc., Specialty Products, Box 4913, Kansas City, MO 64120. (800) 842-8020.

The time is right for DYLOX.



Circle No. 121 on Reader Inquiry Card



Sprayer manufacturers either carry their own protective clothing lines, or can help you obtain the proper gear.

SAFETY EQUIPMENT

counter), restricted-use pesticides require that "certified" applicators should have appropriate dress.

"Start with a wide-brim hat, long-sleeved shirt, long pants and chemical-resistant gloves," suggests Dr. Dennis Murphy, professor of agricultural engineering at Penn State University. "Use unlined rubber, latex, neoprene or nitrile gloves. Never use leather or cloth. Wear sturdy work shoes or rubber boots, not sneakers or sandals."

Applicators also must—by law—wear personal protective equipment when handling pesticides. Again, applicators are required to consult the MSDS sheets and pesticide labels to determine what protective clothing and equipment is necessary.

"Labels today are becoming more informative on this issue," explains Win Hock, director of the pesticide education program at Penn State. "The only thing you can do is generalize by rule of thumb—the pesticides of lesser toxicity usually don't have quite the requirements for protective equipment, as opposed to the ones that are highly toxic. Then, you frequently have to have a full complement of protective clothing."

Hock recommends that *every* employer maintain a full complement of protective clothing and equipment. "It doesn't mean you have to use it on every occasion," he points out. "A person who is a pesticide applicator should have at least everything available in the event it is needed."

Train, train, train—Another important piece of safety "equipment" is educational in nature. Many green industry associations and manufacturers have complete libraries of literature, safety programs and videos. This material covers everything from how to properly use equipment to correct maintenance procedures.

Delaney urges employers to use training as a piece of safety equipment. Not only does a safety program make good personal sense, he says that it just makes good business sense.

"To be a good businessman, to protect yourself from liability and to care about your employees by having them properly trained—all make good business sense," says Delaney. "Whether things are required by law or not, it behooves a good businessman to operate in a responsible, professional manner."

—Mark Dlugoss is a freelance writer in Cleveland, Ohio. This is his second piece for *LANDSCAPE MANAGEMENT*.

PESTICIDES

- Long-sleeve shirt
 - Trousers
 - Waterproof trousers
- (Depending on the formulation and the chemical used, each pesticide—listed on its label and MSDS sheets—lists its required equipment protection, which could include such equipment as respirators, face shields or goggles; overalls or waterproof pants and jacket; waterproof, wide-brimmed hats; waterproof apron, waterproof gloves, and waterproof boots.)

CHAIN SAWS

- Helmet/Hard hat
- Safety glasses with side shield; goggles or face shield
- Hearing protection
- Chain-saw-resistant pants/chaps
- Chain-saw-resistant gloves, jacket and boots

LAWN MOWERS

- Heavy-duty shoes with non-slip soles
- Long pants
- Close-fitting clothes
- Gloves
- Safety glasses
- Goggles
- Face shield
- Safety Vests
- Dust mask in dusty conditions
- Ear protectors/ear plugs

LINE TRIMMERS

- Leggings/chaps
- Face shields (or combination face visor made of nylon mesh, earmuffs and goggles)
- Hearing protection
- Debris shields (kept on trimmer)

MISCELLANEOUS

- Support belt for heavy lifting
- Ear plugs or ear muffs for noise prevention
- Sun protection:
 - Wide-brimmed hat
 - Long-sleeved shirt
 - Sunscreen with a SPF of 15 or more
 - Sunglasses

LM REPORTS

Safety accessories

Green industry work presents many safety challenges, which some of these products address.

■ We know you have insurance, but have you extended your concern for your workers by making sure they work safely?

Job safety extends beyond making sure you keep your hands away from spinning mower blades. In some jobs, like operating a chipper, the entire body is at risk.

Safety equipment is itself a huge industry, so there's no shortage of sources for all kinds of gear to protect your people in all kinds of work. Some are so obvious we risk insulting your intelligence by even listing them; others may not have been considered. Any of the catalogs mentioned here will be a good starting point.

And remember: when you protect your workers, you protect yourself.

—Terry McIver

Body harness protects against falls

The Direct Safety Co. carries Miller harnesses which allow the legs to absorb the shock of a fall.

The lightweight full body harness features a



tongue-buckle waist strap with adjustable shoulder and leg straps. It can be used with single point lifeline in the back or a Y-shaped yoke lifeline from the shoulders.

The Direct Safety catalog, shown at right, contains many safety-related articles for protection on the job, such as gloves, rehydration drinks, and eye and ear protection.

Circle No. 311 on Reader Inquiry Card



Aprons supplement hand, arm protection

Aprons from Rainfair, Inc. are large enough to protect the front of the body from the shoulders to below the knees against splashes and spills. They're available in various materials.

Circle No. 312 on Reader Inquiry Card



Skin protection counts

Zobel dry skin care lotion complements sun protection products.

The lotion protects against the effects of wind burn, rain, snow, sleet, petrochemicals, strong odors, stains, harsh soaps, detergents, disinfectants, fertilizers, dirt, pool chemicals and frequent hand washings.

Circle No. 313 on Reader Inquiry Card

Tourniquets guard against leaks and spills

Drum tourniquets are an important part of control product storage and handling.

UltraTech's tourniquet is a quick and effective way to stop leaks in punctured or corroded drums.

This "high-tech bandage" uses magnetic or suction technology to compress a chemical-resistant, flexible pad against the leaking area.



Stainless steel backing plate is flexible and may be applied in any direction.

The magnetic style is used with carbon steel drums; the suction version adheres to stainless steel or non-textured polyethylene drums.

No straps or tools are needed.

Circle No. 314 on Reader Inquiry Card

Getting better weed control in your turf and ornamentals doesn't require the use of more herbicides.

In fact, like most turf and landscape managers, you probably want to use less

herbicide. Which is why you should use Gallery® herbicide.

The unique chemistry of Gallery can reduce the need for multiple applications of herbicide. Because Gallery is a preemergent herbicide, it stops the emergence of weed seedlings. So they never even break the surface of the soil.

In a single, low-rate application, Gallery can control the growth of 95 broadleaf weeds in



A Story Straight From Crooked Stick.

By switching to Gallery the superintendent at Crooked Stick Golf Club in Carmel, Indiana, reduced herbicide applications on his fairways from five a year to one. The very particular PGA officials who inspected those fairways for the 1991 PGA Championship raved about their outstanding condition.



ornamentals or turfgrasses for up to *eight months*. That means you can go all season long without worrying about whether spurge, oxalis, plantain or other weeds will show up to mar your landscapes and turf.

Other herbicides would require five applications to deliver season-long control. Gallery delivers all season long with only one application.

Although Gallery is activated by water, it remains stable on the

soil surface without rain for up to 30 days. It resists breaking down by sunlight, so you can be assured of maximum performance even under dry conditions. Gallery doesn't have any of the harsh effects of other



Gallery. For the to do more



ose who want e with less.

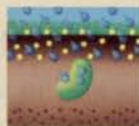
long-residual herbicides. And there's minimal risk of off-target damage.

When you use Gallery along with Snapshot* and Surflan,* you can now get the long-term weed control you want in sensitive areas

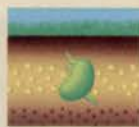
where ornamentals, shrubs, trees, perennial flowers or turfgrasses are growing. Snapshot controls both broadleaf and grassy weeds in ornamental beds for up to eight months. It is labeled for over-the-top

application of woody ornamentals.

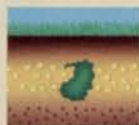
Of course, you've got more than broadleaf weeds to worry about. To



Activated by water, Gallery creates a control area around weed seedlings.



Gallery shuts down the growth process for up to 8 months.



With Gallery, seedlings die before you ever see them.

prevent grasses that invade beddings, combine Gallery with Surflan herbicide to create the ideal long-term weed management program. Surflan is gentle on labeled established plants, as well. And when used according to label directions, it can be sprayed over the top of more than 200 different species of established ornamentals, trees, shrubs, ground covers and field-grown fruit trees.

Our 40-page book, The Nursery And Landscape Guide To Responsible Pest Control can fill you in on developing your own weed management strategy. It also contains useful information on controlling insects and turf diseases more effectively. For your free copy, return the coupon or call our toll-free number. And learn more about using less herbicide.

Send me the following Management Guide(s):

- Cool Turf
 Warm Turf
 Nursery and Landscape

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P.O. Box 33489,
Indianapolis, IN 46203-0489.
Or call: 1-800-474-4534

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Company _____

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Phone (_____) _____



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Keep out noise comfortably

Three styles of ear muffs from 3M feature multiple position ear cups. Replaceable ear cushions and molded noise suppression inserts provide for longer use-life and improved hygiene.



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Back support limits pain and strain

Yard and garden work doesn't have to be a pain.

The OK-505 industrial back support from OK-1Mfg. Co., Inc. is made of a breathable, durable power-knit nylon and elastic webbing.

Interior rubber stitching helps prevent



"ride-up," no matter what the activity.

Circle No. 316 on Reader Inquiry Card

New safety manual from ALCA

The Associated Landscape contractors of America has released its ALCA Safety Resource Manual.

The manual provides the information any landscape company needs to organize a complete, customized safety program.

The user-friendly manual includes 11 chapters, ranging from implementation to evaluation.

FOR MORE INFORMATION, CONTACT ALCA, 12200 SUNRISE VALLEY DR., SUITE 150, RESTON, VA 22091; (703) 620-6363.

A-to-Z outdoor protection

Forestry Suppliers, Inc. has a 500-page catalog with items for first aid and body protection.

Gloves, vests, marking tapes, body suits and signage are included. Call toll free, (800) 647-5368.

Emergency eye washes, drench showers

Murdock, Inc. of Cincinnati specializes in water delivery systems, including emergency drench showers and eye-washers.

Several models are available.

Circle No. 317
on Reader Inquiry Card

Warn workers, onlookers of dangers at job site

Barricades and warning tapes from Thor Enterprises remind workers and passersby of dangerous areas or the location of utility lines.

Warning tapes protect against property damage, emergency outage, labor and equipment expenditures, and most importantly, physical injury that can result from damaging a utility line.

The company's FenceGard safety fencing and Barri-Kit safety system guarantees you comply with OSHA regulations for protection around construction sites.

Circle No. 318
on Reader Inquiry Card

Arborist training in electrical hazards

New OSHA regulations expand the training and certification requirements for utilities and line clearance contractors whose employees regularly work within 10-ft. of energized lines (OSHA 29CFR, Part 1910.269).

OSHA 29CFR Part 1910.331 affects non-line clearance employees. Those who do not regularly work within 10-ft. of energized wires must still be able to identify overhead electric wires and potentially energized equipment, know the safe working distance to be maintained from various electric hazards and know what to do in case of an accident.

The ACRT Institute of Arboriculture and Urban Forestry offers two training programs for both types of workers. Contact ACRT at (800) 622-2562 for more information.

Comprehensive program covers all safety bases

Zee Medical offers a set of 12 safety program modules for people who aren't full-time safety management or training experts.

"Zee Advantage" provides clear safety and ergonomic solutions to the challenges facing small to medium-sized businesses.

Topics include:

- preventing back injury
- fire extinguishers
- respiratory protection
- sight/vision protection

Circle No. 319
on Reader Inquiry Card

Did you know?

As of April 15, 1994, employers using pesticides in their businesses are required to post—at a central location—three types of information:

- a pesticide application list
- emergency medical information
- pesticide safety poster

Gempler's, Inc. of Mt. Horeb, Wis., sells a compliance kit (\$11.95) that contains these three items, and a 156-page Reference Guide on the Worker Protection Standard. Contact the company at (800) 382-8473.