

Sandoz biological control effective against many insects

DES PLAINES, Ill. — Sandoz Crop Protection Corp. has introduced Steward, a biological insecticide for turf and ornamental plants.

Based on a strain of *Bacillus thuringiensis* (B.t.), Steward is active against certain lepidopterous species, including armyworms, cutworms, loopers and sod webworms. It also controls bagworms,

budworms, gypsy moths, leafrollers and tent caterpillars. Upon ingestion, the B.t. reacts with lepidoptera stomach enzymes and induces paralysis and septicemia. Most lepidoptera stop feeding within two to four hours of ingestion and are dead in three to five days.

"Unlike broad spectrum insecticides, Steward is targeted specifi-

cally against lepidoptera so it is safe to beneficial predator insects. There is no pre-harvest interval or re-entry restriction for workers. Steward has residual activity of seven to 10 days," said Ron Fister, director of turf and ornamental sales for Sandoz Crop Protection.

Depending on the target insect, two ounces to one and a half pounds

of Steward should be applied per acre. Available in a two-pound jug, Steward's water dispersible granular formulation offers growers and applicators convenient handling, easy measurement and extended shelf life.

Contact Sandoz Crop Protection Corp. at 708-390-3755.

CIRCLE #304

Flowers, clover and low-growing grass combined in new Fleur de Lawn seed

PORTLAND, Ore. — Pro-Time Lawn Seed has introduced Fleur de Lawn, its new lawn seed mixture

that features tiny flowers and strawberry clover, combined with low-growing grass.

Mow this self-contained herbaceous lawn at 3- to 4-week intervals at a height of 4 to 6 inches to main-

tain the carefree effect.

Contact 800-345-3295.

CIRCLE #305



Dixon ZTR 542 mower

Smaller Dixon mower available

COFFEYVILLE, Kan. — Dixon Industries, a Blount, Inc. company, now offers a new 42-inch hydrostatic ZTR mower. Like its bigger 50-inch companion, the new ZTR 542 features Hydro Gear drive.

ZTR 542 incorporates the zero turning radius mobility that is the ZTR mower's trademark.

Both 500 Series ZTR mowers, this new 42-inch, 16-hp ZTR 542 and the 50-inch, 20-hp ZTR 503, are powered by Kohler engines. Tough, never-rust HDPE bodies are lightweight and tilt up for easy maintenance and servicing. Along with convenient hand controls, Dixon's ergonomically designed seats provide operator comfort, lessening fatigue and making longer productive hours per day possible.

Contact Department GN-3, Dixon Industries, Inc., P.O. Box 1569, Coffeyville, Kan. 67337-0945; 800-635-7500.

CIRCLE #306

Grace Sierra adds fungicides

MILPITAS, Calif. — Grace-Sierra Horticultural Products Co. has introduced VORLAN turf fungicide and FUNGO systemic turf and ornamental fungicide in safe and convenient dry flowable forms. New, VORLAN DF and FUNGO 85 DF provide excellent control of key diseases. The dry flowable forms are easy to dispense and packaged in small, space-saving cardboard boxes that do not require special disposal services.

VORLAN DF is safe on all turf grasses. The unique chemistry makes it both a preventative and a curative. VORLAN DF provides long-lasting (up to 28 days) control of Dollar Spot — even resistant strains, Leaf Spots, Red Thread and Pink Snow Mold.

New FUNGO 85 DF controls most major turf diseases, including Brown Patch, Fusarium Blight, Summer Patch, Necrotic Ring Spot and Anthracnose. Systemic action provides effective disease control for up to 14 days. FUNGO 85 DF is also labeled for control of major ornamental diseases.

VORLAN DF and FUNGO 85 DF are available in 6- by 2-pound cases. Both products are not yet available for sale in California.

For more information, turf managers can contact local turf distributors, or call Grace-Sierra at 800-492-8255.

CIRCLE #307

Wherever You Need A Low-Maintenance Turf Rely On

Reliant

HARD FESCUE



Roadsides, cemeteries, golf course roughs, vacation homes, orchards, reclamation areas. Wherever maintenance is impractical, Reliant Hard Fescue is the one you can rely on. It thrives on low maintenance:

- Good performance without supplemental irrigation
- No fertilization needed (after initial establishment)
- Low growing
- Resistant to crabgrass encroachment
- Adaptable to full sun or moderate shade
- Improved disease resistance
- Tolerant to cold
- Dark green, leafy and fine-textured

Blend Reliant with other fine fescues. It's ideal for poor, infertile soils. Or wherever a fragile ecology doesn't allow fertilization. Reliant can be used on any area that's mowed infrequently or not at all.

Rely on Reliant Hard Fescue — the high performance turf for low-maintenance areas.

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To locate the Lofts' distributor nearest you, call
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CIRCLE #140

Thompson unveils large-turf controllers

CHINO, Calif. — Thompson Manufacturing announces the TC-T series of large turf controllers.

These solid-state stand-alone controllers are available in 18-, 24-, 30- and 36-station models. Standard features include easy-to-program key panel and display with English and Spanish language messages. Four main watering programs are provided — three non-overlapping, and an additional overlapping watering program for drip or low-flow irrigation.

Each main program has the capability for water budgeting from 0 to 255 percent of the set time. All programs have a walk-through mode, 12 start times per day, weekly calendar or 1 to 99 skip-day operation, manual program start and advance, an automatic watering mode, and an off mode.

All stations feature 15 repeats, manual station start and stop, and run times that can be set in seconds, minutes, or hours from 1 second to 255 hours. Manual stations that are turned on and forgotten will turn off automatically after their run time has expired preventing flooding, conserving water, and eliminating the need to return to turn the station off.

Each station also includes an Independent Station Control program for needs such as fountains, lighting, drip, or miscellaneous applications. These ISC programs may be used at the same time as the four main programs.

The TC-T turf controller features a master valve output, surge protection, a real time clock / calendar that retains time and day of the week, and all irrigation programs for up to 10 years without batteries. Power outages, dropouts, or even leaving the power off do not affect the stored programs, and the clock continues to run even with the power off.

Optional Flow sensing and flow data logging with automatic Hi flow shut off, soil moisture sensing, and automatic rain switch operation is built in to the controller. The Hi flow alarm detects broken pipes,

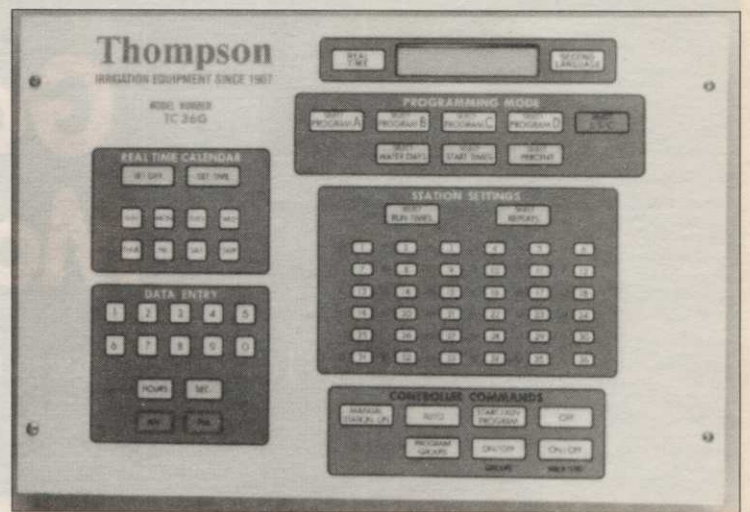
prevents flooding, conserves water, and the display indicates a flow alarm. The station will shut off after hi flow detection, and advance to the next station in the irrigation program. All Hi and Low flow alarms can be displayed to determine which station has a problem. All that is needed to activate these features is to attach the flow meter and sensors. The optional sensors can be added at any time, the TC-T turf controller automatically detects the presence of these sensors and uses them.

The TC-T is compatible with the Thompson Mini-Mark central

computer system, so that many controllers may be linked economically into a single system now or in the future. Two-way communication is available with wire, radio, telephone, or RS 232 serial computer network options. The modular communication interface circuit board is easily installed at any time. All sensor data and alarms are communicated to the central computer.

Contact Thompson Manufacturing Co., P.O. Box 1500, Chino, Calif., 91708; 714-591-4851.

CIRCLE #308



Thompson TC-T large turf controller

Once you make
Daconil 2787[®]
the cornerstone of
your turf management
program, this is
what you're left with.



Peace of mind and healthy turf.

With Daconil 2787[®], you get the broadest-spectrum contact-fungicide protection on the market. And a history of 20 years without a known case of disease resistance. Which is why more course superintendents make it the cornerstone of their turf management program.

It controls 12 major diseases, including Leaf spot, Melting out, Brown patch, Dollar spot, and Rust, on all Southern grasses. Especially on

Bentgrass tees, greens, and overseeded turf. And it's the most economical fungicide per day of control on the market.

You can also use it on many ornamentals.

Get Daconil 2787 in your disease management program, and you'll be seeing green.

ISK Biotech Corporation,
Turf & Specialty Products
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Always follow label directions carefully
when using turf chemicals.

[®]Registered trademark of ISK Biotech Corporation

The cornerstone of your turf management program.

Wetting agent saves money

PENNSAUKEN, N.J. — Aquatrols has reformulated its AquaGro•S, Spreadable soil wetting agent, offering a more concentrated product that costs less.

AquaGro 20•S, a granular formulation that improves water penetration, drainage and managing water in the rootzone, is as easy to spread as the old formulation. However, AquaGro 20•S costs 10 percent less per bag and 15 percent less to apply per 1,000 square feet.

The new formulation will be packaged in an easy-to-open 40-pound bag that will replace the 52.5-pound corrugated box.

For more information contact Aquatrols at 800-257-7797.

CIRCLE #309