

## Monsanto herbicide receives full EPA registration

ST. LOUIS, Mo. — Full EPA registration of Dimension, Monsanto Agricultural Company's new turf herbicide, will help better control crabgrass and other problem weeds and grasses in turfgrass.

Advantages of Dimension over conventional turf herbicides, according to Dimension product manager Jim Budzynski, are season-long control with a single application; both pre-emergence and post-emergence application flexibility for crabgrass control, and exceptional turfgrass safety.

Dimension is designed for use

by golf course superintendents as an effective maintenance tool. Its active ingredient, dithiopyr, comes from a new class of chemistry developed by Monsanto and is characterized by desirable environmental features, including low use rates.

While providing long control, Dimension allows golf courses to conduct normal fall overseeding programs after a spring application. It controls a broad spectrum of annual grasses and broad-leaf weeds, including especially-tough species such as goosegrass, foxtail, spurge

and oxalis.

Noting the rise in course use of bentgrass, Budzynski believes Monsanto has met the challenge of possible bentgrass problems. "Dimension can be applied to bentgrass without fear of injury, and it will not harm ornamental plants adjacent to treatment areas," said Budzynski.

For more information on Dimension or any other Monsanto product contact Monsanto at 800 N. Lindbergh Boulevard, St. Louis, Mo. 63167 or telephone 800-323-1421.

CIRCLE #305

## Pattern indicator now in pouches

HOUSTON, Tex. — Big Foot IPP is Parkway Research's new super-concentrated version of its Big Foot Spray Pattern Indicator, packaged in a new and convenient individual portion pouch.

This new pouch technology affords a pre-measured amount of liquid which will color 50 to 100 gallons of spray solution. It is not moisture sensitive and has an unlimited shelf life.

Contact the company at 800-256-3668 or write P. O. Box 5441, Kingwood, Texas 77325.

CIRCLE #306



Lake Colorant WSP

## Lake colorant available in soluble packets

AMES, Iowa — Coloring lakes, ponds and golf course water hazards is as simple as tossing a water soluble packet into the water.

Lake Colorant WSP, a new product from Becker-Underwood, is a highly-concentrated lake colorant in water soluble packets. Each packet colors one acre foot of water.

The packet will dissolve in less than four minutes, dispersing the color quickly, simply and completely. No plastic jars or bottles remain for dispersal.

Lake Colorant WSP won't harm fish or wildlife.

Contact Becker-Underwood, Inc., 801 Dayton Ave., Ames, Iowa 50010 or call 800-232-5907.

CIRCLE #301

## Scott offering new weed control

MARYSVILLE, Ohio — Southern Weedgrass Control, specially developed for pre-emergent weed control on southern turfgrasses, is available from the Professional Business Group of The O. M. Scott & Sons Company.

It features an improved carrier with the proper particle size consistency for optimum turf coverage and weed control, and greater density for decreased drift potential.

The product, which contains the active ingredient pendimethalin, provides pre-emergent control of six annual grassy weeds and 10 broad-leaf weeds.

Fungicides VII and X are improved versions of the Scotts ProTurf line of products.

Fungicide VII features an improved carrier with the proper particle size for optimum turf coverage and disease control. It may be rotated with Pro systemic fungicide to reduce resistant turf disease strains buildup, including dollar spot, brown patch, poa annua, anthracnose and rust.

Fungicide X is for use on fairways, putting greens and other turf areas with Kentucky bluegrass, bentgrass, perennial ryegrass, fine fescue, Bermudagrass, St. Augustinegrass, or mixtures of these grasses.

Because of an improved pulp carrier, it provides optimum turf coverage and disease control with less susceptibility to drift, while preventing and controlling brown patch, leaf spot, red leaf spot and Fusarium patch/pink snow mold.

Contact The O.M. Scott & Sons Company, 14111 Scottslawn Road, Marysville, Ohio 43041.

CIRCLE #307

### HOW TO EXTINGUISH A FIRE ANT.

It's taken forty years and countless ill-conceived attempts for mankind to come to grips with one fundamental truth about imported fire ants. No matter how concerted the effort, no matter how ingenious the attack, they cannot be eradicated. However, they now can be controlled by Triumph® insecticide. In university tests, Triumph killed an average of 94 percent of fire ants treated within one week of application. Better still, unlike its short-lived counterparts, Triumph remains active in the soil for up to 10 weeks, depending on the target pest. Which means that instead of more applications, instead of more callbacks, what you can plan on making more of with Triumph is money.

To find out complete details, contact your turf products distributor or Ciba-Geigy marketing representative. TRIUMPH

Average of 3 trials, Mississippi State University, 1989

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## ThermaFab offers portable waste storage system

LEXINGTON, S.C.—ThermaFab, Inc. has introduced TroubleShooter, a portable system for the temporary storage of hazardous materials.

The one-piece unit has inflatable or rigid sides and, if needed, a portable storage tank.

The unit is very compact, allows for easy transport, easy storage and quick installation at the site. From set-up to dismantling, it can be managed by one person.

The TroubleShooter holds up to



ThermaFab portable hazardous waste storage system

10,000 gallons and is the ideal containment system to collect liquid from leaking drums, as well as overflow spills from tank trucks.

Contact Bill Watkins at ThermaFab, Inc., 200 Rich Lex Drive, Lexington, S.C. 29072 or call 803-794-2543.

CIRCLE #302

## Ciba-Geigy markets first larvicide

GREENSBORO, N.C.—Exhibit, Ciba-Geigy's first biological, nematode-based larvicide, now is available to green industry members.

The active ingredient in Exhibit is formulated using a naturally-occurring species of beneficial nematodes that coexist in the ecosystems with wildlife, beneficial insects, domestic animals and humans.

The nematode's life cycle begins when it enters a target pest through a body opening and releases its deadly bacteria directly into the blood system of the host. The host pest dies within 24 hours, and

nematodes develop rapidly into first-generation adults and reproduce.

Soon, second-generation adults appear and reproduce. The cadaver fills with juvenile nematodes, which then leave and seek out a new host. If they can not find a host within 14 days, they die.

Exhibit will not burn turf or ornamentals. Plants may be sold the same day they're treated, and there are no re-entry restrictions for the product.

Since nematodes are part of the ecosystem, there should be no concerns about runoff.

Contact Ciba-Geigy Turf and Ornamental Products at 919-632-6000.

CIRCLE #308

# OUR JOB IS KEEPING YOU HAPPY...



# So You Can Keep Them Happy.

You can't guarantee them a low score. But keeping your course in the best possible condition is the surest way to bring golfers back. And the full line of The Andersons Tee Time products are proven winners for top flight course maintenance.

**Just look at the record.** For high quality fertilizers, herbicides, insecticides and

combination products, we're right on top of the leader board. But what really sets The Andersons apart from the pack is product availability, consistency and technical support through our local distributors.

If you want to keep your golfers happy . . . and coming back for more, give us a call. We're professionals commit-

ted to making your job easier. Let us put a smile on your face.

Call toll free, 1-800-225-ANDY for a comprehensive Tee Time Selection Guide.



the professional's partner®

**The Andersons**

## Petroleum stored in flexible pipes

EXTON, Pa.—Enviroflex, a new flexible double-wall piping system from Total Containment, Inc., gives the petroleum industry a new approach to underground storage and secondary containment.

The system consists of flexible primary piping and secondary jacketing, and a series of unique surface chambers within the dispenser and tank sumps.

This arrangement provides both primary and secondary containment from tank outlet to dispenser, completely eliminating exposed underground piping joints, fittings and connections where most reported leaks occur. It also provides secondary containment for dispensers, pumps and manways.

If a leak should occur, the surface access chambers under the dispensers make it easy to pinpoint and repair the problem. The system offers remote leak detection, with a number of fluid detection sensors available, featuring alarm and automatic shut-down capabilities.

Contact Total Containment, Inc., 306 Commerce Drive, Exton, Pa. 19341 or call 215-524-9274.

CIRCLE #309

## Lebanon adds new fertilizer

LEBANON, Pa.—Lebanon Turf Products recently introduced a granular homogeneous starter fertilizer for use on professionally maintained, low-cut turf areas such as greens and tees.

Country Club 10-18—18 A. O. S. (Aerification-Overseeding-Starter) assures successful seeding and provides even nutrient distribution. This 1-2-2 ratio contains 35 percent organic nitrogen and 2.2 units WIN for safe and sustained feeding, plus 100 percent sulfate of potash.

This product permits superintendents to spoon feed cool-season turf in overseeding situations and is ideal for USGA greens and high sand turf areas.

Contact Lebanon Turf Products, P. O. Box 180, Lebanon, Pa. 17042 or call 800-233-0628.

CIRCLE #310

## Herbicide and fungicide tailored to green industry

PHILADELPHIA, Pa. — Rohm and Haas Company, manufacturer of specialty chemicals, has issued new Kerb WSP herbicide and Fore fungicide specimen labels.

The labels are part of an ongoing program to publish use directions, design packaging, refine formulations and improve distribution to better serve customer needs, according to Robert Gordon, turf and ornamental products market manager.

The labels are tailored to the specific needs and application methods of golf course superinten-

dents, grounds keepers, commercial growers and others in the turf and ornamental industry, according to the company.

The herbicide specimen label provides use directions for poa annua control in Bermudagrass, and broadleaf and grassy weed control in woody ornamentals, nursery stock and Christmas trees.

Similarly, the fungicide specimen label targets disease control in assorted turf grasses and ornamental flowers, shrubs and trees.

There is new color-coded printing on labels and containers. Brown

is the signal color for the Kerb specimen label and package, and will designate future turf and ornamental herbicides.

As an added advantage for handling and mixing the product, Kerb herbicide is packaged in pre-measured, water soluble pouches.

The Fore label and package are printed in green.

Copies of the new specimen labels are available from Rohm and Haas Company, Marketing Services Dept. T/O, Independence Mall West, Philadelphia, Pa. 19105.

CIRCLE #311

## Grace-Sierra answers requests

MILPITAS, Calif. — Grace-Sierra Horticultural Products Co. has introduced Peters Professional water soluble fertilizers in a no-stain formula.

The blue color tracer does not stain hands or clothes and washes away quickly with soap and water.

The new fertilizer is in response to a request from growers that the staining color tracer from the Peters water soluble fertilizers be removed.

For more information contact 408-263-8080.

CIRCLE #312



EstateKeeper backpack sprayer

## New sprayer gives longer use, more pressure

LOS ANGELES, Calif. — SP Systems has introduced the EstateKeeper backpack sprayer, featuring a patented factory sealed diaphragm pump capable of producing 70 pounds-per-square-inch of pressure.

The four-gallon sprayer has a wide 6-inch fill opening and a safety check valve in the cap to prevent spills if the unit is knocked over. The sprayer is tamper proof.

The pump, constructed of non-corrosive materials, is capable of more than two million pump strokes and two years of constant use.

Contact Ferro Pagliai, president, SP Systems, Inc. 11818 Wilshire Boulevard, Suite #210, Los Angeles, Calif., 90025 or call 213-820-1045.

CIRCLE #303

## Growth enhancer compatible with many herbicides

MEMPHIS, Tenn. — Floratine Products Group has introduced Proliff-RC, a biostimulant-based growth enhancer compatible for programmed use in conjunction with turfgrass regulator products used as herbicides.

A variation of FPG's widely-used Astron 5000 product, Proliff-RC contains high auxins and cytokinins but no gibberellic acids which might counteract the anti-gibberellin activity of the regulators.

Proliff-RC is designed to enhance the health and color of the desired turfgrass while not inhibiting the killing effect of the undesirable species.

Floratine Products Group may be contacted at 901-528-1713.

CIRCLE #313

## Chipco Ronstar easier to handle

As a result of a new granular formation, Chipco Ronstar brand oxadiazon herbicide now is easier to handle and use.

Chipco Ronstar G now is carried on a granule made from a by-product of recycled paper. The result is less dust during loading application of the herbicide and a more uniform spread pattern.

Revised calibration settings accommodate faster flow.

For more information call 919-549-4689.

CIRCLE #314



# Signs That The New Cushman® Turf Master Has Arrived.



Electric controller is standard instead of hand valves.

Tank design leaves less than 1/2 gallon of unuseable material.

All pressurized chemical hoses are isolated for greater operator protection.

Exclusive ground speed governor control.

Unique boom design delivers more consistent nozzle pressure.

Unmatched three-wheel maneuverability.

Large tires for minimum ground pressure.

Anything Else will Sell You Short.

Compare feature after standard feature, and you'll arrive at one conclusion: the Cushman Turf Master is easier to calibrate, easier to operate, and the most accurate.

Compare the Vehicle.

No competitor provides the absolute ground speed control that's critical for precise spraying. You get

it — and a lot more — only from the Cushman Turf-Truckster™ vehicle.

Compare the Sprayer.

The latest from SDI features a new generation Hypro polypropylene pump, mechanical and bypass agitation, 15' or 20' booms, three pressure gauges — only a few of the many features the competition doesn't offer.

Compare the Facts for Yourself.

Call toll free 1-800-228-4444 for a free comparison brochure, or contact your Cushman dealer for a demonstration. You'll see that the Cushman Turf Master is far and away your best buy.

RANSOMES

CUSHMAN

Built to Last

CIRCLE #132

## Above-ground tank offers added safety

SANTA ANA, Calif. — Associated Concrete Products, Inc., a division of the Quikset Organization, now is manufacturing "ConVault" above-ground fuel storage tanks in their Santa Ana and Livermore facilities.

Delivery and installation are provided by trucks with special engineered cranes.

The ConVault is a U. L.-listed rectangular steel tank either 1/8-



Associated Concrete Products above-ground storage tank

or 3/16-inch thickly wrapped in secondary containment, consisting of a 30-millimeter polyflex polyethylene geomembrane and

encased in six inches of monolithically poured reinforced concrete.

The tank provides a two-hour

fire wall required by N.F.P.A. and comes with a 20-year or 30-year warranty. The tank is also ballistic proof.

The above-ground design enables visual inspection for leaks, and eliminates the need for expensive underground monitoring and testing equipment. They are available in sizes from 250 to 2,000 gallons.

For more information on ConVault or any other Associated Concrete products contact John Schmuckal at 4301 West MacArthur Boulevard, Santa Ana, Calif. 92704 or telephone 714-557-7470.

CIRCLE #304

## Erosion blanket helps germination and protects seed

ARLINGTON, Tex. — American Excelsior Company's latest environmentally-safe erosion control product is Quickgrass, a dyed green wood excelsior erosion control blanket with a photodegradable netting applied to one side.

Constructed from 100 percent Aspen curled wood fibers, Quickgrass is designed to prevent erosion, assist in germination and protect seedlings.

Durable and designed to remain in place on even the roughest terrain, the top side of Quickgrass is covered with a photodegradable extruded plastic mesh, and is smolder resistant without use of chemical additives. It provides ideal ground conditions for fast turf development, retains moisture, controls surface soil temperature fluctuations, conforms to the terrain and protects against sun burnout.

Quickgrass expands when wet, creating a "clinging" effect to the soil. When wet, the blanket becomes twice as thick, adding protection during heavy rain. By absorbing and releasing moisture, Quickgrass returns moisture to seedlings to improve germination.

Contact Ken Starrett, vice president, marketing, American Excelsior Company, 850 Avenue H East, P. O. Box 50678, Arlington, Tex. 76011 or call 817-640-1555.

CIRCLE #316

# YOUR SEED SOURCE



Carl Aebersold, harvesting crew foreman at Pacific Sod, Camarillo, CA, is pleased with the above-, and below-surface performance of dwarfed Monarch turf-type tall fescue.

## Quality Turf-Seed varieties developed and produced for turf professionals.

Species	Variety
Improved turf-type Kentucky Bluegrass	<b>Challenger</b> <b>Columbia</b> <b>Midnight</b> <b>Galaxy blend</b>
Imp. Common Ky.	<b>Voyager</b>
Improved turf-type perennial ryegrass	<b>Birdie II</b> <b>Charger</b> <b>Citation II</b> <b>Manhattan II</b> <b>Omega II</b> <b>Remington</b> <b>Saturn</b> <b>Alliance blend</b> <b>CBS II blend</b>
Improved hard fescue	<b>Aurora</b>
Improved Chewings fescue	<b>Shadow</b>
Improved Sheeps fescue	<b>Bighorn</b>
Improved creeping fescue	<b>Fortress</b> <b>Shademaster</b>
Improved tall fescue	<b>Apache</b> <b>Bonanza</b> <b>Eldorado</b> <b>Monarch</b> <b>Murietta</b> <b>Olympic</b> <b>Silverado</b> <b>Triathalawn blend</b>
Improved creeping bentgrass	<b>Penncross</b> <b>Penneagle</b> <b>PennLinks</b>
Creeping bentgrass blend	<b>Pennway</b>

## TURF-SEED

PO Box 250, Hubbard, OR 97032  
503/981-9571 FAX 503/981-5626

**1-800-247-6910**

CIRCLE #133

## Ringer markets spring fertilizer

MINNEAPOLIS, Minn. — Ringer Corporation is marketing a new fertilizer product designed for early spring application to Bermudagrass greens.

Bermudagrass Greens 12-2-26 is a bridge between purely natural options and chemical applications.

It contains completely natural protein sources and ammonium sulfate for desired quick spring green-up. Iron phosphate citrate is the product's source of fully-chelated iron.

It is manufactured in finely-granulated form, appropriate for greens use. For information contact 612-941-4180.

CIRCLE #317

## PROMPT receives EPA registration

PROMPT herbicide, now registered by the Environmental Protection Agency and labeled for use on turf, is a low-atrazine alternative that provides broad spectrum broad-leaf weed control.

The BASF Corp. product can be applied on established and newly established St. Augustine grass, zoysiagrass and centipedegrass as soon as 10 days after sprigging or plugging.

It is effective on two dozen annual broad-leaf weeds, in addition to controlling tough perennial weeds.

For more information contact 919-361-5722.

CIRCLE #318