**Briefs**

**SENTINEL ON TRIAL THIS SUMMER**

**DIS PLAINES, Ill.** — Field trials in 11 states involving a new systemic turf fungicide, Sentinel 40WG, are planned this summer by Sandoz Agro, Inc., under an EPA-approved Experimental Use Permit.

Sentinel GW is a broad-spectrum, long-lasting systemic fungicide for the golf course market. Diseases included in the EPA are summer patch, dollar spot, brown spot, pink spot, rust, copper spot, gray leaf spot, gray snow mold, pink snow mold, southern blight and necrotic ring spot.

**SMITHCO APPOINTS MILLER**

Emil Miller has been appointed as marketing manager for Smithco's Southeastern region, according to President Ted Smith.

Miller will be responsible for all phases of marketing for Smithco distributors and end users throughout 13 southeastern states and the Caribbean.

Miller, based in Fort Lauderdale, was formerly with DeBra Turf & Industrial Equipment as consultant for the golf industry on Florida's east coast. While at DeBra, he was recognized in each of the two past years for outstanding performance in sales and service.

**FREE PUMP OFFER FROM ROOTSCINC.**

ROOTSinc is offering a free Rolte model MR0-CPD dispensing pump to all first-time purchasers of the 56-gallon drums of ROOTS, iron ROOTS and NoturW.

The pump, normally a $30 value, offers 360-degree dispensing, while delivering 10 ounces per stroke. This pump offer is available through 1992. For more information, call 203-786-5825.

**DEXTER, FORD NEW HOLLAND TEAM UP**

Dexter, MI-Sweepster, Inc. recently reached an agreement with Ford New Holland, Inc. to purchase Ford's model 710 Leader pump line. Financial details were not released.

Calling it a "strategic growth acquisition," Sweepster Vice President Jim Bareden said the move "solidifies our commitment to the turf industry." The deal calls for a purchase of Ford's entire turf line, including the model MR60-CPD dispensing pump to Coosaw Creek, a new golf course project currently under construction in Charleston, S.C. Greenwood Development Co., owner of the new project, have chosen Arthur Hills to design the new Coosaw Creek Country Club, while contractors Paul Clate & Associates have been retained to build the course. Jon Malmberg of Watermark Consultants, an irrigation consulting firm based in Charlotte, will provide irrigation design and specifications.

PSI delivers 3,000th pump

Dallas-based Pumping Systems Inc. recently delivered its 3,000th pump station to Coosaw Creek, a new golf project currently under construction in Charleston, S.C. Greenwood Development Co., owners of the new project, have chosen Arthur Hills to design the new Coosaw Creek Country Club, while contractors Paul Clate & Associates have been retained to build the course. Jon Malmberg of Watermark Consultants, an irrigation consulting firm based in Charlotte, will provide irrigation design and specifications.

PSI pump station number 3,000 was sold by Smith Turf & Irrigation, PSI distributor for the North and South Carolina territories. For the past six years, Smith has been PSI's Distributor of the Year.

Coosaw Creek's milestone pump is a 2,500 GPM, VFD system featuring PSI's new PumpWatch software package. PumpWatch is now standard on all PSI stations with PLC logic. The VFD drive, as well as all electrical components, will be American-made Allen Bradley.

**Ciba-Geigy, biosys enhance marketing relationship**

PALO ALTO, Calif. — Ciba-Geigy and biosys, a manufacturer of biological insecticides, have signed a research and development funding and international marketing pact.

Under terms of the agreement, Ciba-Geigy will provide biosys with $5 million over two years for research and development of beneficial nematode strains and formulations. Ciba-Geigy will also be responsible for the promotion and marketing of biosys' nematode-based products.

In 1991, Ciba-Geigy became the exclusive distributor of biosys' products in the United States for the turf and ornamental market. Ciba-Geigy's first biological insecticide product, Exhibit, was developed and manufactured by biosys.

The active components in biosys' range of biological insecticides are beneficial nematodes, microscopic organisms that kill a host of soil-dwelling insect pests. Nematodes are designed to be harmless to humans, plants and animals, leaving no harmful residues in the soil or ground water. In fact, the United States and several European countries exempt nematodes from all registration requirements.

The newly signed, 15-year agreement grants Ciba-Geigy exclusive rights to market and distribute biosys' present and future beneficial nematode-based products for insect control in the agricultural and horticultural crop markets worldwide, except the United States.

Ongoing experiments prove polymers useful in droughty soils

By Hal Phillips

Cross-linked polyacrylamide is a mouthful, but this granular polymer has impressed industry observers with its ability to soak up free water in soil and store it for the plant's use.

Under a microscope, polymers look something like a honeycomb. So it's not surprising the rock-salt-like substance can hold up to 400 times its weight in water.

While polymers have already been used in producing disposable diapers and cat box filler, several modern cross-linked polyacrylamides have hit the golf course market: Hydrosource, Terra-Sorb, Water Grabber, Soil Moist, Water Lock and Broadleaf P4, to name just a few. "Imagine a plate full of spaghetti," suggests Dr. Jeff Nus, an independent consultant and former member of the Horticulture Department at Kansas State University. "The gaps and holes between the strands contract and expand, giving the cross-linked polyacrylamide its water-absorbing capabilities."

"When the individual crystals... are injected into a turf/green situation, the crystals begin to hydrate and absorb the free water and fertilizer picked up by the water molecules. As leaf transpiration creates a demand, both the water and fertilizer held in the soil profile and hydraulic head drive the polymer crystals out," said David Moffett, the U.S. Navy's golf specialist.

Chemicals and fertilizers in recycled containers, benches, signs and other products made from recycled materials are used on golf courses, Moffett noted.

Many golf courses and other government facilities are looking at composting programs, added Nancy Stehle, deputy director of the environment in the Office of the Assistant to the Secretary of the Navy. The fair is expected to draw 2,000 attendees and 180 exhibitors to the Washington Convention Center. Admission and booth space are free. State officials who have made significant strides in purchasing recycled products will offer training sessions to vendors on how to enter the government marketplace.

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**Feds display recycled goods June 29-30**

By Peter Blais

Buyers representing the U.S. Department of Defense's 250 golf courses will be among those attending the federal government's first trade fair to showcase recycled products in Washington, D.C. on June 29-30.

President Bush ordered federal agencies last October to accelerate their purchases of recycled products. Federal purchases represent the single biggest market for recycled products.

Additionally, representatives from state and local governments are being encouraged to attend, as well as manufacturers, entrepreneurs, investors and corporate procurement specialists.

"The president has required us to promote cost-effective ways of using recycled materials. We are favoring the purchase of such items," said David Moffett, the U.S. Navy's golf specialist.

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Radio waves keep carts off greens, tees

BERWYN, Pa. — Erratic, irresponsible golf cart use accounts for millions of dollars in course damage every year. Many superintendents lie awake at night, dreaming of a futuristic world where carts turn themselves off before marring an apron or mashing a tee.

Well, the future is now.

Cartrol, a division of the Invisible Fence Company, recently unveiled a system that uses radio frequencies to direct golf cart traffic away from protected greens and fairways, without altering course appearance with barriers or painted lines.

The Cartrol system consists of a thin boundary wire buried six inches underground and carrying a low-frequency radio signal. When a golf cart equipped with a Cartrol system crosses the radio-controlled boundary line, a receiver, installed in the electrical system of the cart, picks up the signal and causes a temporary electrical failure in the cart's forward gear. A warning light on the dashboard tells the driver the cart will move only in reverse. Once away from the boundary line, the forward gear is restored to normal function.

Unlike some electronic add-on devices for individual carts, Cartrol is a complete system that can be used to create boundaries anywhere on the course. Without altering the configuration of buried wires, the radio field can be increased or decreased to change cart traffic patterns.

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The Cartrol system carries an estimated price tag of $7500 to $2000 per green or tee. However, Rakoczy said the cost is determined only after design has been finalized.

For more information call 215-651-0699.


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For real value in grassy and broadleaf weed control, make your postemergence herbicides Daconate 6 and 2 Plus 2. That's the word.

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