health risks from the chemical. 

Alachlor, a herbicide for use on crops and woody ornamentals, is produced by Monsanto under the trade name Lasso.

The EPA says that benefits from using the chemical, which has been shown to cause cancer in laboratory animals and possibly in humans, outweigh risks.

New EPA requirements stipulate that only certified workers can apply the chemical, and that the product must remain enclosed during mixing to reduce exposure.

The agency also lifted its ban on aerial spraying of alachlor under the condition that no ground workers remain in the area as "flaggers" to signal cropdusters.

Banning the chemical would have cost farmers between $500 million and $760 million in increased weed control costs and declining crop production.

Estimated sales of the chemical for 1986 are $300 million, or a quarter of Monsanto’s agricultural sales.

Concern still exists over the presence of alachlor in public drinking water. The EPA is expected to propose a maximum contaminant level for the chemical under the Safe Drinking Water Act. The agency estimates that residues from alachlor use could cause cancer in two persons out of a million.

INDUSTRY

Ford reorganizes tractor operations division

With the new year, Ford Motor Company moved to restructure Ford Tractor Operations and New Holland, Inc., into a worldwide unified operation. Coinciding with the restructuring, the company reorganized the tractor operations from a Ford division to a subsidiary, Ford New Holland, Inc., to be run by Robert F. Moglia.

According to the company, the move represents an attempt by Ford to broaden its role in the competitive agriculture and industrial equipment industry.

Three major product components will comprise the new organization: Tractor Operations (FTO), New Holland and Diesel Engine Operations. Tractor Operations produces a variety of agricultural and industrial tractors.

New Holland makes harvesting and haying machinery, along with industrial equipment. Diesel Operations manufactures engines for New Holland machinery, Ford trucks and a number of other manufacturers.

Tractor and diesel operations will be headquartered in Troy, Mich., in the present FTO facilities, while corporate world headquarters will be consolidated in New Holland, Pa., later this year. The parts depot and branch sales office will remain in Troy.

Sales and marketing of Tractor Operations and New Holland will be based in New Holland.

RESEARCH

Nematodes can determine toxicity of chemicals

Nematodes seem to be developing a Jeckyl and Hyde complex lately. The tiny round critters, best known for their relentless attacks on agricultural crops, have a good side, too, researchers have found.

In addition to their recently discovered appetite for grubs, nematodes may also be useful in determining the toxicity of hazardous chemicals.

A Georgia Tech University research project found that reactions of nematodes and rodents were remarkably similar when exposed to eight different metals. The results led the researchers, doctoral student Phil Williams and his advisor, Dr. David Dusenbery, to believe that nematode tests could reduce the necessity for more expensive rodent tests in the future.

Many questions remain unanswered. As a result, the two have applied for a federal grant to study possible differences in tolerance levels between rodents and nematodes, along with other possible variables.

Preliminary research was conducted through a grant from the National Institute of Occupational Safety and Health.

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DURSBAN Turf Insecticide now contains a more highly purified grade of chlorpyrifos, its active ingredient. And minimizing the impurities has significantly reduced the odor.

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New DURSBAN Turf Insecticide is available in 2.5 gallon plastic jugs and 55 gallon drums. If you prefer a wettable powder, you can get the same advantages in DURSBAN 50W, now offered in water soluble packets for the easiest, quickest mixing and measuring ever. Whichever you choose, you'll get fewer complaints—from neighbors, or applicators. Get the full story from your chemical distributor today.

DURSBAN* The "no offense" insecticide.

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Since nematodes live in a number of habitats, they may be useful in determining contamination both on land and in water. Because they are easier to grow and control, nematode testing is also easier and less expensive to conduct than those using fish and insects.

While Williams says the nematodes would not be used to replace rodents completely, they “can be useful in streamlining the testing process.”

**PEOPLE**

**GCSAA associate director embarking on new course**

James G. Prusa, GCSAA associate executive director and director of education, will leave his post to concentrate full time on an independent business venture this year. Prusa planned his departure for the beginning of this month, shortly after the completion of the Phoenix show.

**JAMES PRUSA**

Bob Coyner

Bob Earl

**NELSON COLVIN**

has been elected 1987 president of the California Landscape Contractors Association. Colvin is vice president of California Landscape, Inc., Canoga Park, Calif.

Lesco has named Bob Coyner product manager for spreaders and sprayers. The company has named Bob Earl director of stores for Lesco Service Centers.

**DARCY Loscotoff**

Jay Glatt, of Turf-Seed, Hubbard, Ore., has retired as vice president and general manager, which he held for eight years, to concentrate on his filbert farm. Darcy Loscotoff takes over as general manager. Tom Stanley was appointed sales manager, which includes advertising.

Rain Bird Sales, has appointed Tom Rivers Northeast second Mid-Atlantic district manager for the Turf Division. Also, Keith Shepersky has been appointed product

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Find out how you can run circles around the competition.

The new Vanguard front-mowing, rear-steering riding mower is just the latest reason a Deutz-Allis dealership could be the edge you need in today’s lawn and garden market.

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Tracker...the new non-hazardous blue spray dye indicator from LESCO. Whether you're spraying acres of fairways, renovating a turf area or treating weeds in a home lawn, choose Tracker. A versatile product with a multitude of uses.

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Bud Camp, Patrick Harrigan, Douglas Brede

Bud Camp has been named senior sales representative for the Midwest division of Lebanon Chemical. Lebanon also announced the following staff changes: J. Mark Nuzum was promoted to manager/agronomist of Lebanon's Tidewater Agricorp subsidiary. Kevin C. Hoffman was named market development coordinator at Lebanon's headquarters. Timothy C. Layman was named sales representative for Lebanon's Division 34.

Patrick A. Harrigan has joined Outdoor Equipment Co. as sales representative for turf products. He will be responsible for central Illinois and northern Missouri.

Wayne Ennen, international sales manager for Chevron Chemical, was elected chairman of the Western Agricultural Chemicals Association Board of Directors. Ken Smith, district sales manager for the Wilbur-Ellis Co., was elected vice-chairman, and Jack Leach, assistant regional sales manager for Stauffer Chemical Co., was elected secretary.

Jacklin Seed Co. has named Dr. Douglas Brede research director. Brede had been an associate professor of turfgrass management at Oklahoma State University prior to joining Jacklin.

Jay Inglis, Joe Silva, Robert Martin

Fermenta Plant Protection announces the following staff changes: J.N. Butler has been named Southern area sales manager. Joseph A. Ignatoski was appointed Northern area sales manager. George N. Chism has been appointed Western area manager.

W. Donald Sifton has been named divisional project manager for Assert and AC 263,499 (Pursuit) herbicides for Cyanamid International Agricultural Division. Sifton joined the company in 1978.

Hunter Industries has named Jay Inglis technical services manager. The company also appointed two southern California sales representatives. Joe Silva will be regional manager for Los Angeles, Orange, Kern and Ventura.

continued on page 28
A New Turf Care Formula!

Two Well Proven Fungicides Together Add Up To Maximum Disease Control.

VORIAN™ is the product of choice by superintendents, professional lawn care operators and landscapers for the control of Leaf spot, Dollar spot, Red thread and Pink snow mold.

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This tank mix affords you the unequalled disease control, plus, the economy of a single spray at reduced rates.

A one ounce each application of VORIAN and FUNGO tank mix can prevent these six major diseases.
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4. Brown patch
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Without VORIAN and FUNGO your disease control program just won't add up. Contact your local Mallinckrodt distributor today.

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Get the thatch out before you fertilize

Don't fertilize the thatch

Turf experts agree that, after a hard winter, excessive thatch must be removed in order to have a healthy turf in the spring and summer. Nutrients are merely absorbed into the thatch and don't reach down into the roots if the thatch build-up is not removed.

BlueBird Lawn Combers are the largest selling and most customer-accepted power rakes for removing thatch — worldwide. With a BlueBird model for every type of lawn, and spacings for every application, it's no wonder BlueBird is Number One. Interchangeable flail reels and knife reels are available in BlueBirds for vertical mowing, and together they answer every need of lawn service professionals in all parts of the country.

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Call your distributor today for a BlueBird catalog. Take advantage of the whole BlueBird line — all professional models because they're the best built power rakes in the industry. For the name of your distributor call the BlueBird Action Center, 2777 South Tejon, Englewood, Colorado 80110. Phone (303) 781-4458. Today!

Environmental Industries adds company to maintenance division

Environmental Industries, Inc., will add Botanical Concepts to the Interiorscape division of Environmental Care, Inc., the parent company's maintenance division.

Botanical Concepts, based in Colorado Springs, does interior landscape contracting, including design, installation and long-term maintenance for a variety of facilities. Botanical's founder, Debbie R. Drury, will continue in a management role.

According to Bruce Wilson, president of Environmental Care, the addition will enable the division to increase its market share of the interior landscape business in the Colorado Springs area.

Environmental Care also provides exterior landscape maintenance and mature tree care services. Other divisions in the parent company operate landscape construction and tree growing services.

Changes in geotextile industry for Du Pont and Nicolon

The Du Pont Company has completed the sale of its worldwide business for "Reemay" spunbonded polyester and the United States-based business for "Typar" spunbonded polypropylene to the InterTech Group affiliate Reemay, Inc.

continued on page 32
The Premier Plastic Valve...

The PE Series Valves

When the specs call for the ultimate in performance and durability, call on Rain Bird's new PE Series valves.

These new 1", 1½" and 2" model valves offer the strength and security of brass at the price of plastic. Made of heavy-duty, corrosion-resistant plastic, the PE Series features low pressure loss design and an industry-high operating pressure rating of 200 psi.

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