

POSTING & NOTIFICATION REGULATIONS

STATE	WHO?	SIZE?	WHERE?	WHEN?	CONTRACTS?	TO WHOM?
Connecticut	C, LC, GC, TS, HO	**	spec. intervals	time of app	no	central registry
Florida	**	**			no	central registry
Illinois	C, LC, TS, GC	4x5 8 1/2 x 11	spec. intervals, conspicuous pts. on golf courses	time of app	no	customers, neighbors, upon request
Massachusetts	C, LC	4x5	conspicuous pts.	prior to app, time of app	no	customers, upon request
Maine	C, LC, TS	4x5	spec. intervals, conspicuous pts. on golf courses	prior to app or time of app	no	upon request central registry
Minnesota					yes	
New Hampshire	C, LC, GC	8 1/2	conspicuous pts.	prior to app	no	customers, upon request
New Jersey	C, LC, TS, GC, PC		conspicuous pts.	prior to app, upon request	no	
New York	C, LC, TS	5 1/2 x 8 8 1/2 x 11 12 x 12	75 feet apart 100 feet apart 150 feet apart	time of app	yes	
Ohio	C, LC	4x5	conspicuous pts.	time of app	no	customers, neighbors, upon request
Rhode Island	C, LC	4x5	conspicuous pts.	prior to app, time of app	no	customers, neighbors, upon request
C = commercial applicators LC = lawn care operators		TS = tree & shrub companies GC = golf courses		HO = homeowners PC = pest control operators		
**under development				Source: Pesticide Public Policy Foundation		

PESTICIDES

New York State legislation is defeated

ALBANY, N.Y. — A state appeals court has struck down complicated regulations being battled by New York lawn care operators.

The five State Supreme Court appellate justices ruled that the New York's Department of Environmental Conservation should have conducted an environmental impact study before implementing the rules.

Laws passed in 1983 and

1987 that require posting, contracts and pre-notification remain intact.

The rejected regulations consisted of 40 pages of detailed rules. "It will be a much-simplified notification package," says Elizabeth Seme of the New York State Green Council.

"It's a relief that these regulations won't go through because there's no way that we could comply with them," says Laurie R.

Broccolo, manager of lawn and tree care at Ted Collins Associates in Victor, N.Y.

"We couldn't even understand some of the regulations" because they were poorly written, she adds.

"Most people couldn't understand them," Seme agrees. "You had to go back and read them each time" a pesticide-related business decision had to be made.

Some of the rejected re-

quirements included the posting of signs every 75 feet around a property, and tight restrictions on how companies could re-schedule applications after rain delays and similar interruptions.

The state still retains the option of appealing the ruling.

(For other regulations affecting LCOs, as of January, 1990, see chart above.)

—Jim Guyette □

TANKS from page 8

Jones estimates the group coverage will cost less than 20 per cent of what they might pay for a commercial policy, with no deductible.

"We have to offer it to our members because they can't find it anywhere else," says Jones. "It's a reasonable premium rate compared to being thrown in with petroleum companies, convenience stores and gas stations." □

SEED

Turfseed industry seeking commitments

PORTLAND, Ore.— The seed industry is readying its defense against anti-field burning legislation. A final showdown on the issue is expected late this year.

Dr. Bill Meyer, director of research for Turfseed and Tee-2-Green and president of the Oregon Seed Trade Association, recently updated members on the is-

sue, outlining how the association will work for fair legislation. He also stressed the need for moral and financial support from seed producers.

"Our actions on this issue," predicts Meyer, "will determine the outcome of issues related to chemical use, dust problems and groundwater concerns, to

name just a few."

A Political Action Committee (PAC) has been formed to accept donations to finance lobbying efforts. In a written message to seed company members, the association suggests donations of between \$5000 and \$7500 to finance the pro-field burning campaign.

continued on page 12



Dr. William Meyer: "We cannot bury our heads and hope somebody else will take care of our industry."

One initiative would level an immediate ban on burning. Another calls for a virtual ban on burning by 1995, at which time burnable acreage would be reduced to 50,000 acres. Exceptions would exist to go beyond the limitations of propane flaming in cases of using appropriate emission control technologies.

According to Meyer, such propaning standards are unreachable with current technology.

"There is no question that we must find alternatives to open burning," insists Meyer. "However, we must have enough time to test alternatives to field burning."

Meyer says the industry proposal, which would allow for 160,000 acres of field burning for eight years, "must be presented to the public and decision makers as the most appropriate public policy choice." □

Fresa clover is alternative to mowing in Southwest locales

LAS CRUCES, N.M. — Southwesterners have an alternative to mowing: fresa strawberry clover, a groundcover developed in the New Mexico State University Agricultural Experiment Station breeding program.

According to Dr. Arden A. Baltensperger, a person could get away with mowing fresa as little as twice a year. More frequent mowing, however, will keep the clover more uniform and looking good.

The NMSU crop scientist not only developed fresa, which was released in 1983, but also has it planted in his own yard.

Fresa can be planted by itself in low traffic areas, or mixed in with other grasses. It is not for everyone, he cautions, as the clover will not take wear and tear from children as well as many grass lawns will.

An attractive ground cover, fresa stays green about 10 months of the year. It has pink flowers and resembles strawberries, Baltensperger says, although there have been problems with bees on the fresa at his home.

In field tests, fresa compared favorably to other clovers for winter color and general appearance. Importantly, it had a lower growing height and plant height

than other strawberry clovers. In making selections for fresa during breeding, low plant height had been a primary consideration, Baltensperger says. Fresa needs about as much or more water as bermudagrass, but doesn't need any nitrogen fertilization, Baltensperger adds.

He points out that fresa strawberry clover is a legume, which means it can fix nitrogen from the soil. To enhance this nitrogen fixing capability, some phosphorus might need to

be applied to fresa. The nitrogen fixing properties of fresa make it valuable in a mix, because it can provide nitrogen to other grasses, the scientist says.

In field tests, researchers found the general appearance of dormant bluegrass and bermudagrass was improved by having fresa in the stand.

Although fresa has not been tested outside of the Southwest, Baltensperger notes some interest in the clover in France and in the Netherlands. □



Dick Holschu (left) and Bill Culpepper: DowElanco to be a market leader in providing industry with new technology.

INDUSTRY

Resources spur DowElanco

CLEVELAND — Focusing on the customer and the health of the green industry is the emerging philosophy of DowElanco, Inc.

Representatives of the chemical giant, forged by the recent merger of Dow Chemical and Eli Lilly, say the company has learned from corporate America's inability to match foreign competition in the 1980s.

"The lesson is not lost on DowElanco," says commercial director Bill Culpepper. "We need to be more focused on the customer. We need to know what they need and then do it."

Culpepper and general manager Dick Holschu tell LANDSCAPE MANAGEMENT that DowElanco will "do it"

through educational programs and by creating four divisions within the company. They are: turf and ornamentals; industrial insecticide; vegetation management; and marketing of technical chemistry. Each division will have a sales and marketing staff.

"The combining of our technology is going to allow us to be a leader in providing new technology to the market," adds Holschu. "We know that bigger is not necessarily better, but we now have the critical mass of sales dollars and dollars to reinvest into the discovery of new technology. Our goal is to use this to become a full-blown partner in the markets that we serve." □

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Circle No. 123 on Reader Inquiry Card

Southern pests moving north?

VALLEY FORGE, Pa. — Some pests traditionally considered a problem only in the South may become headaches for northern landscape managers too, says Dr. Pat Cobb, an Auburn University entomologist.

Spittlebugs, fire ants, mole crickets and green June beetles may pose a future threat to cool-season turf, says Cobb—but not right away.

"Some insect pests are on the move, and why this is we're not sure. One factor is that we lost the residual insecticides out of the soil," Cobb told landscapers at the Eastern Pennsylvania Turfgrass Association's annual meeting. "Another reason is that all across the United States, especially in the South, we're growing better grass, and insect pests are attracted to the greenest, most lush turf."



Dr. Pat Cobb

Mole crickets, the most damaging southern insect, are beginning to make an impact in the north. Entomologists in southern Illinois and New Jersey have reported identifying more northern mole crickets in the past two years than all years previous, Cobb says.

They're difficult to control because they can go as deep as eight feet, move

quickly (perhaps several feet a night) and they fly twice a year.

"I don't know whether you'll have a mole cricket problem or not," says Cobb, "but there's no question that mole crickets are on the move. And when you have them you'll know it."

The green June beetle is "easy to kill but difficult to control" because the beetle flies for a longer period of time, extending the period it lays eggs. The lowest insecticide rates will wipe out the grubs, adds Cobb.

The two-line spittlebug used to be found only along the coast from Maine to Florida, says Cobb, but it too has begun moving inland. It has been found in the northern part of states bordering the Gulf of Mexico and Oklahoma. It is most dangerous in its immature stage and needs a lot of moisture to survive.

"I can't say what the extent of the problem will be," says Cobb, "but the insect is distributed in the eastern part of the country. So the potential is there for it to spread, as we've seen it spread in the South."

The best way to control the spittlebug is to de-thatch, thereby disrupting the environment for its development, adds Cobb.

Fire ants have been reported in southern Tennessee. In the South, "they're a problem, but not something we haven't learned to manage," she says.

"Fire ants survive real well in interiorscapes. They survive well in greenhouses and other protected container stock. So that's why it's important for you to be aware that we have had some reports from this area of fire ants brought in by nursery stock," says Cobb. □



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LETTERS

On biologicals...

To the editor:

Your magazine is well-written and becoming more informative each month. I'm enjoying the reading during this frigid winter.

I might suggest some research and articles (unless you've written some already?) on the Japanese beetle grub problem and control with milky spore. I am having difficulty in getting accurate and substantial information about the biological control.

The New York area, especially Long Island, was hit fairly severely during the summer of 1989. Many of the materials like Dylox, Proxol and Turcam work, but residual action is not adequate to eliminate service calls. Triumph is not legal in New York, but appears to be the best material out thus far, and I'm sure—as you know—Oftanol has a poor track record here.

Philip A. Raices
Lawn Gro Ltd.
Hempstead, N.Y.

(Our November and December, 1989 issues contained a two-part series on biocontrols for the green industry. In addition, our annual *Insect Control Guide*, to appear in the April and May, 1990 issues, will address the problems you cite.—ED.)

Old news?

To the editor:

I am writing in response to the "Jobtalk" section of the December issue.

First, the information contained on page 38 is over three years old and is no longer in any way accurate to the methods and procedures currently used by the industry. Nor does it represent my current position as to the use of tree growth regulators.

You must immediately notify your readers that the chemical company manu-

facturing the product should be contacted before using any growth regulators. Representatives of the chemical companies can provide current recommendations for the use of their products.

Secondly, I was not contacted and did not give permission for use of my name or my company's name in the article. The same situation exists for the current management of Union Electric Company.

Thirdly, before future publications, I recommend that your magazine: check the age and accuracy of the information to be printed and obtain written permission from companies and individuals you wish to quote.

Paul A. Johnston
Environmental Consulting
Southampton, Pa.
John Czaicki
Union Electric
St. Louis, Mo.

(The piece was submitted by a writer for a public relations agency and was one year old—our time limit—when it was typeset for publication. The time lapse from its inception until the time it was submitted to us was undoubtedly also overlong. LM regrets these circumstances and will take steps to improve its communications with public relations agencies.—ED.)

Differing opinion

To the editor:

This is just so you will know that someone is reading your editorials ("As I See It," December, 1989). Don't be terribly offended, but I just think your position is a little out of sync with reality.

Clearly, I empathize with your travel issues. I probably travel 5% of what you do, and don't especially like it a lot. However, it's your job, not mine.

My point is that the consolidation of trade shows
continued on page 15

LETTERS from page 14
wasn't nor should it be done to serve the birthday schedules of the press. Suppliers, the second half of your editorial, will clearly benefit from the consolidation. However, the jury is still out on whether the customers (the reason there even is a trade show) will see an enhanced opportunity. Probably...but I think it's a 50-50 bet right now.

Several years ago, I encouraged you to use your space to take a position. I didn't mean to air your personal grievances.

Jerome R. Faulring
HydroLawn
Gaithersburg, Md.

(Thanks for your comments, Jerry. The position, however, is clearly evident in the last sentences: "It's a win-win situation. And it's about time." We indeed hope the conference and show in November comes off without a hitch, and that both suppliers and landscape managers benefit.—ED.)

EVENTS

FEBRUARY

19-26: Golf Course Superintendents' Association of America conference and trade show, Orange County Convention/Civic Center, Orlando, Fla. Contact: GCSAA, 1617 St. Andrews Dr., Lawrence, KS 66046; (913) 841-2240.

15-16: National Institute on Park and Grounds Management athletic turf management seminar, Jacksonville, Fla. Contact: P.O. Box 1936, Appleton, WI 54913; (414) 733-2301.

16-18: Florida Nursery Growers' Association spring trade show, Jacksonville, Fla. Contact: FNGA, 5401 Kirkman Rd., Suite 650, Orlando, FL 32819; (407) 345-8137.

19-20: International Society

of Arboriculture Pennsylvania-Delaware Chapter shade tree symposium, Hershey, Pa. Contact: Sara Pilling, 29 Garrett Ave., Rosemont, PA 19010; (215) 525-7331.

22-24: Midwest Regional Turf Conference and Trade Show, Indianapolis, Ind. Contact: Clark Throssell or Jeff Lefton, Dept. of Agronomy, Purdue University, W. Lafayette, IN 47097; (317) 494-8039.

23: Geogrid Soil Reinforcement Symposium, Radisson University Hotel, Minneapolis, Minn. Contact: Sheila Bailey, Conwed Corp., (612) 631-5727.

23-24: Professional Landscape Conference and Trade Show, Atlanta, Ga. Contact: Bob Ragsdale, extension conference specialist, (912) 386-3416; or

Sherry Phillips, admin.sec., (404) 492-4667.

24: Long Island Tree Conference, State University of New York, Farmingdale. Contact: Long Island Arboricultural Association, Box 69, Holtzville, NY 11742; (516) 698-3366.

24-25: Tampa Bay Horticultural Trade Show, Florida State Fairgrounds, Tampa, Fla. Contact: Bette S. Walker, 6804-C Gunn Hwy., Tampa, FL 33625; (813) 920-4393.

MARCH

6: Southeast Sports Turf Institute, Citrus Bowl, Orlando, Fla. Contact: Sports Turf Managers Association, 400 North Mountain Ave., Suite 301, Upland, CA 91786; (714) 981-9199.



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New Florida course for 'working public'

DeBARY, Fla.—The DeBary Plantation golf facility opens this April in DeBary, Fla., to provide much-needed relief for the area's dearth of golf courses.

An 18-hole layout with up to 1,440 home sites outlining the course, it will be public.

"The DeBary ownership wants to provide a club for the working public," says superintendent Mike Kenovich (see "Florida's Best" story, this issue). "Being centrally located, this is going to be a course the people will flock to."

Course construction began on January 16, 1989. Planting began in late June and was completed by the first of August. The course was sprigged with hybrid bermudagrass: 328 for the tees, Tifway dwarf for the greens.

"We wanted a fine-bladed grass we could work with in case we hold tournaments," explains Kenovich. "The roughs were planted with 419 bermuda,

which is a little denser, coarser," he adds.

The DeBary Plantation is composed of three types of sandy soil: red fine, gray organic and sugar sand. "We put the gray organic where we thought it would be dry, and the sugar sand in wetter areas. Red fine is used in choice areas, such as greens, tees fairways and other heavy play areas."

In some areas, soil pH was a low 4.7. Approximately two tons per acre of dolomite lime was used to raise the pH to the 6.5 range.

Fairway topdressing is a 90-10 mix of Department of Transportation sand and Florida peat. The greens mix is an 80-20 combination. At work below the course are nearly three miles of irrigation pipe, 11 miles of wiring and five miles of insulator pipe. □

The course was originally slated for a February debut, but Kenovich wanted extra time to complete road paving and other final preparations. □

PESTICIDES

Cancellation of pesticides concerns horticulturalists

WASHINGTON, D.C. — Almost one-half of all current pesticide registrations are being cancelled by the Environmental Protection Agency because the registrants did not pay the annual \$425 maintenance fee in 1989. This announcement was made at a symposium on minor crop use pesticide registration that was attended by top EPA, USDA and other government officials, along with pesticide manufacturers.

Out of about 45,000 pesticide registrations for all uses, almost 20,000 are being lost, the EPA said. (Most of the products, however, had no recent commercial production.)

The government and pesticide industry speakers

at the symposium, co-sponsored by the American Association of Nurserymen, observed that this loss was just the beginning. Chemical companies are most likely to drop even more registrations, especially those with limited commercial use, as testing costs and administrative burdens of maintaining multiple registrations increase.

The AAN has testified before Congress urging a modification of pesticide re-registration requirements to take into account low-volume users such as the environmental horticulture industry. In addition, AAN has met with USDA officials to stress the industry's concerns about "minor use" pesticides. □

SHORT CUTS

NOTHING TRIVIAL...Can-Am Golf Enterprises and Hurdzan Design Group combined with "Trivial Pursuit" co-developer Chris Haney to complete Devil's Pulpit Golf Course north of Ontario, Canada. The course is already being touted as one of the top five in that country, and a sister course, Devils Links, will start construction this spring. Devil's Pulpit memberships were sold out before ground was even broken.

THE CONCRETE JUNGLE...Researchers have found a new way to eliminate weeds that force their way through cracks in urban pavements like streets and sidewalks. It's a plastic rope containing herbicides which has been jointly developed by Batelle Pacific Northwest Laboratories and R.M. Engineered Products. It is hoped to last for up to 20 years. According to an article in *Business Week*, a large-scale test will be made on taxiways and runways at Chicago O'Hare International Airport.

ON LINE...The Ohio State University Agricultural Technical Institute in Wooster, Ohio, is the only college in the United States to have a complete "Slice" computer system. "There's nothing out there finer than 'Slice,' and we have as much technology at OSU/ATI as many of the major landscape companies in the country," says associate horticulture professor **Kent Hammond**. The system was donated by Thornton Computer Management Systems of Maineville, Ohio. The college joins more than 200 landscape companies in the U.S. and Canada to have installed the system.

THERE'S NO BUSINESS LIKE...The Garden Council's first national television commercial will appear this month. It features **Bob Thompson**, host of PBS-TV's "Victory Garden." Thompson reminds viewers that retail nurseries, garden centers and landscape professionals are the best sources of information for landscaping and garden activities.

RATING THE ROADSIDES...LANDSCAPE MANAGEMENT says congratulations to **Loyd Corrado**, **Jim Duke** and **Wayne Muri**, winners of National Roadside Vegetation Management Association awards. Corrado, maintenance supervisor for Kansas City, Mo., won the municipality/city agency category. Duke, resource manager for Pitkin County Land Management, Aspen, Colo., won the county highway/road agency category. Muri, chief engineer for the Missouri Highway and Transportation Dept., won the state/federal agency category.

LAWN CARE

Spring is time to start looking out for lyme disease

ATLANTIC CITY, N.J. — Officials at Lawn Doctor headquarters in Matawan, N.J. are expecting "the problem of lyme disease to increase in the 1990s," according to information disseminated at the company's annual franchisee seminar here.

"The peak period of lyme disease incidence (May-June-July) coordinates with people's outdoor activity," notes Bill Davis of Lawn Doctor. "And northeastern states have shown a high concentration of the disease." Davis says that New York Medical College found one county with 1200 confirmed cases of lyme disease. Research showed that 65 percent of the cases had picked up the disease from infected ticks in their own lawn.

Symptoms of the disease

come in three "phases:"

Phase I: bulls-eye rash

Phase II: chills and fever, headaches, fatigue, pain and swelling in joints

Phase III: irreversible arthritis, cardiac damage, facial paralysis, nerve damage.

Here are hints that Davis

gave to franchisees on minimizing the disease:

- instruct homeowners to keep lawns mowed and raked, underbrush clean;

- tell them to locate bird feeders away from the house;

- have them inspect children and pets for ticks;

- stay away from wooded areas;

- when making chemical applications, keep pant legs tucked in boots or socks;

- spray lawns with Dursban 50 WSP or Dursban granules for flea and tick control. □

LAWN CARE

State groups will organize with help from the PLCAA

INDIANAPOLIS — Lawn care operators representing 19 states are taking steps to form statewide associations.

Detailed organizational meetings are set to begin this month, according to Robert E. Andrews of the Indiana State Lawn Care Association. He is spearheading the efforts, which are sponsored by Monsanto and the Professional Lawn Care Association of America.

Preliminary seminars were

planned here in December, and Andrews was pleased with the anticipated turnout. "If we could have had six or seven states we'd be pleased, but we have 19," he said.

Interested representatives hail from Tennessee, Oklahoma, Illinois, Pennsylvania, Ohio, Michigan, Wisconsin, Minnesota, Texas, Montana, New Jersey, Colorado, Nebraska, Massachusetts, Connecticut, North Dakota, Florida, Iowa and Idaho. □



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EXP-0-102 (1)



SEED

Amigo dwarf tall fescue gets PVP

GOLDEN VALLEY, Minn. — Amigo dwarf tall fescue has been granted Plant Variety Protection (PVP) by the U.S. Department of Agriculture.

Northrup King's Medalist Turf Division entered the new grass plant (code 5HF) in the National Tall Fescue Turfgrass Trials. It, according to Northrup King, was rated in the top 10 percentile.

Characteristics said to be unique to Amigo are a fine-textured, low-growing plant and excellent color.

Buyers can expect to see Amigo available in the fall of 1990. Northrup King says it expects to have an adequate supply for the sod grower and lawn care industries. □

For more information, contact Northrup King, 7500 Olson Memorial Highway, Golden Valley, MN 55427; (800 328-2425). □



The Toro Company is the founding sponsor of the Shrine Gardens at the PGA/World Golf Hall of Fame. The well-manicured gardens are dedicated to golf course superintendents.

GOLF

Garden honors golf supers

PINEHURST, N.C. — Shrine Gardens has been established here to recognize the golf course superintendent's service and contributions to the game of golf.

The beautifully landscaped gardens, located

near the entrance to the Professional Golfers' Association World Golf Hall of Fame shrine building, includes a plaque that dedicates the gardens to golf course superintendents around the world. The project was publicly dedicated on Nov. 2, 1989.

The Shrine Gardens project is an effort to provide golf course superintendents with much deserved recognition, according to Mike Hoffman, director of

marketing of commercial products at the Toro Company. Toro is the the founding sponsor.

"Golf course superintendents are key members of the golfing industry. They have made and continue to make major contributions to the game," says Hoffman. "It is our hope that they will receive the recognition in this special Hall of Fame that they have earned through hard work, expertise, and dedication to the game." □



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SEED

New bluegrass variety gets raves from the Univ. of Idaho for quality and practicality

WORLEY, Idaho — A new Kentucky bluegrass combines quality with practicality, according to the University of Idaho.

The variety Alene has a medium/dark genetic color and improved disease resistance compared to the common types of grass generally grown, according to a press release from Seeds West and Seeds Inc. "Alene may also be the answer to homeowners and others who need a low-maintenance lawn because it develops a durable, attractive, drought-resistance turf," the press release notes.

In tests, 71 percent of Alene seedlings emerged in 10

days or less, providing quick ground cover in areas that would normally be subject to erosion.

"In 40 days after planting, Alene can be expected to produce 12 tillers for each seedling compared to seven for other popular varieties," the press release notes. "Alene is a vigorous variety and compares well to such varieties as Baron, but will spread as much as 45 percent faster, according to data submitted for the patent application."

For more information, contact Seed West, P.O. Box 113, Rockford WA 99030 or Seeds Inc., Rt. 2, Box 28, Worley, ID 83876. □

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guarantee. If you're not totally satisfied with Expedite, you have 90 days to get a full refund on the lance and unopened herbicides... no questions asked. We also offer a one-year warranty on equipment parts and labor. The Greens Centers listed on both sides of this tear-out page are staffed by authorized Monsanto agents. They're ready to demonstrate, sell and service your Expedite system. For literature or a free demonstration:

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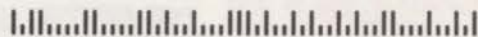
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