

safety and environmental questions."

Neither side is required by the settlement to concede or admit wrongdoing.

"We are pleased with the agreement we have reached," says Stephen A. Hardymon, ChemLawn's vice president of environmental affairs and media relations. "It incorporates current ChemLawn communications practices, in that when we discuss technical issues in any informational piece, we define technical terms in language that our customers can understand."

Hardymon says ChemLawn "is responsibly addressing consumer issues, and the information we currently give our customers demonstrates that."

In a show of cooperation, ChemLawn recently supplied the Environmental Protection Agency and the Federal Trade Commission with its written advertising guidelines. The company plans to introduce those guidelines to the Professional Lawn Care Association of America (PLCAA) at the association's board of directors meeting in August.

Tom Delaney, PLCAA director of government affairs, was to meet with the FTC and EPA officials on



**Hardymon: addressing consumer-related issues**

July 26, to lay groundwork for establishing advertising standards.

"Right now, the EPA doesn't have any regulations in regard to applicators," says Delaney. "The only people that can deal with (applicators) right now are with the Federal Trade Commission, and they don't know anything about pesticides."

Delaney is concerned over an apparent a double standard being followed by government agencies.

According to Delaney, the FTC and EPA use the words "safe" and "low-toxicity," in their own brochures on lawn care.

Ironically, it was that kind of wording that started Abrams's campaign against ChemLawn advertising. □

## SHORT CUTS

**TEXAS TURF...**Dr. Milt Engelke, of Texas A&M University has high hopes for current research programs which center on zoysia and bentgrass. "Objectives are to reduce the maintenance and water requirements," says Engelke. "We're working in an environmental niche that reflects all stresses—hot, wet, dry, and cold. At some point, we want to be able to impose those stresses on plant species." If Engelke is correct, the research industry is light years ahead of the rest of us.

"We have the germplasm to give you a grass you'll never have to mow or fertilize, and that will look pretty good all the time," reveals Engelke. "But it will probably cost me \$1000 or \$1500 per acre to produce. And there's not a market out there for that. We have to look at delivering that to the consumer. It's one of the things we feel ties (research) in with commercial industries."

**NEW POST...**Dr. Charles Darrah was recently appointed president of Ag-Vantage, Inc., a Columbus, Ohio agricultural consulting firm. He also is chief operating officer of CLC Labs, the firm's independent soil testing laboratory. Darrah served as director of technical services at ChemLawn for the past eight years. His expertise in specialty fertilizer development is known throughout the green industry.

**ALL-STAR ADVISOR...**LM editorial advisor Dr. Kent Kurtz, of Cal Poly Pomona, was at Chicago's Wrigley Field recently to observe the field prep prior to the All-Star game. Kurtz says the field had what looked to be a little pythium. The solution was "a good shot of iron, and we mowed off the problem." Kurtz says Wrigley field looks better than it has for many years, thanks to the efforts of Lubie Veal, Roger O'Connor and Frank Caparilli.

**NEW ADDRESS...**The nation's oldest and largest organization of landscape contractors and their suppliers, the California Landscape Contractors Association, has relocated its headquarters to 2021 N. St., in Sacramento. Their phone number remains the same.

**TAKING RESUMES...**The Western Agricultural Chemicals Association (WACA) is looking for a new executive director. Anyone interested should contact Pat Kline in the WACA office at (916) 446-9222.

### SEED

## European market plays hard to get



**Hurley: Selling European markets can be difficult.**

MARTINSVILLE, N.J. — Many American products gain easy entry into European markets. Not so for grass seed.

According to Dr. Richard Hurley of Lofts Seed Co., lack of distinction eliminates many American varieties from the European market.

"This goes back to the earliest days of seed research and development," remembers Hurley, "when most of the tall fescues were developed at Rutgers University. Most of the

*continued on page 12*

**SEED** from page 11  
germplasm can be traced back to the original Rebel program. A lot of the varieties on the market in the U.S. are very close in appearance. When they put them to the test over there, they quickly find this out. Any that are similar receive a distinction test. Any that show it's not distinct gets rejected. There are a lot of look-alikes in the U.S."

Loft brands currently being used in Europe include Palmer and Repel perennial ryegrasses and Rebel II tall fescue.

Hurley says a natural follow-up to European seed marketing has been a tremendous increase in interest from golf professionals. "It's a whole new ballgame when it comes to selecting grasses. The local people there quickly decide which species will and will not work. Licensing is important. Different countries have their own lists. Unless an American company is tied in with a big European company, they're not going

to do much business over there."

On the production side of the seed coin, company chairman Jon Loft speaks of the importance of Lofts New Zealand and Australia operations.

"It's getting to be where 25 percent of our proprietary grasses are grown in places other than the U.S., because our business is growing," admits Loft. "We are now growing seed in New Zealand and Australia, so we in effect get two productions each year."

Lofts New Zealand and Australia harvests take place in December and January. □

## PRODUCTS

### O.M. Scotts warns customers of tainted fertilizer/fungicide

MARYSVILLE, Ohio — In an open letter to their customers this summer, O.M. Scott & Sons warns of FF-II fertilizer/fungicide contaminated with atrazine.

"Unfortunately, last fall...a limited amount of contaminated product was released to the market," the letter says. "Our technical representatives were notified as soon as we learned of this issue. They are contacting each customer, individually, who received FF-II from the suspect produc-

tion."

According to the letter, golf course greens treated with FF-II came through the winter in excellent condition, but some courses began noticing small spots resembling dollar spot.

"Scotts took immediate action to insure that the golf courses were back in playing condition as soon as possible," the letter notes.

Scotts says that "the following actions to insure that this type of contamination never occurs again" are being taken:

- all products containing atrazine will be dyed a bright color for easy identification;
- the quality assurance department will increase checks on production runs; and
- bioassay tests will be conducted as an additional check. □

## NEXT MONTH: '91 Buyer's Guide

Your complete guide to  
chemicals, equipment,  
turfseed and more...

Stop  
Double  
Handling!

**Olathe**

Model 54HL  
Self-Propelled  
Turf Sweeper



3-wheeled sweeper cleans 5 ft. swath of grass clippings, leaves, thatch, rocks and other debris, then hydraulically dumps at 5½ ft. 3 cu. yd. hopper.

Call Your Nearby Olathe/Toro Dist. For Demo!

100 Industrial Parkway  
Industrial Airport, KS 66031

913-782-4396  
FAX: 913-764-1473

Reduce  
Watering!

**Olathe**

Model 71/831  
Aerator/  
Polymer Planter



Plant water-absorbing polymer to reduce amount and frequency of watering. 48" swath with blades on 6" centers.

Call Your Nearby Olathe/Toro Dist. For Demo!

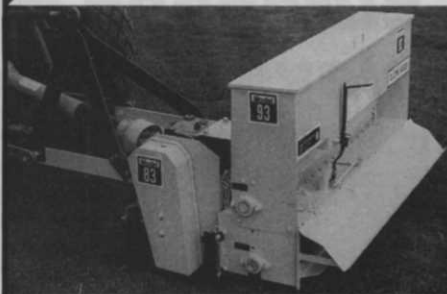
100 Industrial Parkway  
Industrial Airport, KS 66031

913-782-4396  
FAX: 913-764-1473

Big  
4'  
Swath!

**Olathe**

Model 83/93  
Slit Seeder/  
Thatcher



For heavy-duty jobs. Slit seeds 48" swath on 3" centers. Variable seed feed control.

Call Your Nearby Olathe/Toro Dist. For Demo!

100 Industrial Parkway  
Industrial Airport, KS 66031

913-782-4396  
FAX: 913-764-1473

Circle No. 126 on Reader Inquiry Card

Spray herbicide directly over the top of your established shrubs and ornamentals? Go ahead. Surflan® lets you spray with complete confidence.

All you'll see are the bright colors of your landscape or lawn. No crabgrass. No oxalis. No chickweed. And no prostrate knotweed and 50 other grasses and weeds, either. You won't see them for six to eight months, in fact, when you spray Surflan preemergence herbicide.

You'll also see Surflan is more stable on soil surfaces. It'll wait three weeks for water. Then it stays put,

even in heavy rainfall, to provide outstanding weed control. Yet it's gentle enough to spray over the top of 175 different ornamentals.

So go ahead. Fill up with Surflan and take your weed control where you never thought possible. Over the top of your ornamentals without injury. See your Elanco distributor. Or call toll-free: **1-800-352-6776**.

Elanco Products Company  
A Division of Eli Lilly and Company  
Lilly Corporate Center  
Dept. E-455, Indianapolis, IN 46285, U.S.A.  
Surflan® — (oryzalin, Elanco)



Circle No. 106 on Reader Inquiry Card



**Take your weed control  
where you never thought possible.**

# GREAT ON THE GREAT OUTDOORS.

## GREENSKEEPER 20-4-10

### HOMOGENEOUS FERTILIZER

The great outdoors has a wide range of turf conditions. So where do you turn for one superior, yet economical feeding? Greenskeeper 20-4-10. This homogeneous fertilizer contains 40% organic nitrogen and is formulated for immediate turf green-up and sustained feeding. Yet it is cost-efficient for use on a diversity of turf areas. From your source for premium quality turf products.

  
**Lebanon**  
TURF PRODUCTS

A division of Lebanon Chemical Corporation

800-233-0628

Circle No. 115 on Reader Inquiry Card

#### RESEARCH

### **Good news: pesticides leach less than originally believed according to Cornell findings**

ITHACA, N.Y. — Findings to further indicate that pesticide leaching is not as pronounced as often believed are to be released by Cornell University researchers in October.

Dr. Marty Petrovic of the Cornell University horticulture department has completed research into the leaching properties of 2,4-D, dicamba, Sevin, and Daconil. Three media were used in the trials: sand, sandy loam and silt loam.

According to Petrovic, the research findings are improvements over standard, conservative leaching models used by government agencies to indicate leaching potential.

What's interesting to Petrovic is that the models "should have predicted a lot more leaching than we actually found; there's something 'unique' in the turf system that's reducing the amount of pesticide

moving down.

"If people do use these models (as guides), and (independent tests) are not showing any leaching, that's probably true. If they show some leaching, then we may have to question whether more research is needed."

Petrovic conducted his research in the fall of 1989, and again this summer. The different seasons provided contrasting climatic conditions.

Earthworm activity also seems to play a part in product movement. Petrovic indicates the tests done in silt loam showed that substantial amounts of pesticides followed earthworm channels. These passageways allow water and pesticides to move deeper and faster.

Petrovic will present his complete findings at an arborist's association meeting in San Antonio, Oct. 21-26. □

## LETTERS

### **Don't knock Earth Day**

To the editor:

I read the June issue and was happy to see articles about finding ways to use less pesticides and control the problems of water use. We are trying to do the same thing here at the arboretum.

Then I read your editorial ("Earth Day at 'the zoo'"). Unfortunately, Mr. McIver has written a piece that I can only describe as nonsensical, self-serving, and unprofessional. The description of the people selected for the article sounded like his self-image was being threatened by a few of the more extreme elements of the environmental movement, and he apparently thinks the

whole landscape industry feels the same way.

Mr. McIver is living and thinking in the past. His insecurity about changes that are happening in this world shows through. You should be encouraging the industry to forge ahead with environmental responsibility, not bashing Earth Day.

Here at Mercer, we cooperated with Texaco and others during our Earth Day celebration in order to exchange ideas and bring about change in a meaningful manner. Doing business in the oil and chemical capital of the U.S., we know how these companies operate. There are signs of significant changes.

The description of Earth Day as a zoo and, indirectly, as a communist plot, could

*continued on page 18*

# The Best Just Gets Better!

*Jaguar II! Advanced genetic improvement of an outstanding parent, one of the most successful Turf-Type Tall Fescues, establishes an impressive performance of its own.*



# JAGUAR II

---

## TURF-TYPE TALL FESCUE

PVP 8900242

Even if you're one of the many satisfied Jaguar users, you too will be impressed with the exceptional qualities of the new Jaguar...Jaguar II. It's darker in color, has lower growth habit, improved heat and drought tolerance, and better disease resistance to name a few. Plus, Jaguar II resists thatch buildup, stands up to traffic and adapts to shade.

Seed or Sod, specify Jaguar II...The best just gets better!



**ZAJAC PERFORMANCE SEEDS**

201-423-1660 FAX 201-423-6018

33 SICOMAC ROAD NORTH HALEDON, NJ 07508

© 1990

Zajac Performance Seeds  
North Haledon, NJ 07508

*Other Zajac Performance Seed Varieties include Omega II and Saturn Perennial Ryegrasses, Emperor Tall Fescue, Vista Spreading Fescue and Liberty Kentucky Bluegrass.*

Circle No. 135 on Reader Inquiry Card

# Finally, A High Capacity Doesn't Handle L

For too long, high-capacity mowers have left a lot to be desired. But now all that has changed. Presenting the revolutionary new Groundsmaster® 580-D with an 80 hp turbo-diesel engine. The first large-scale rotary mower that combines the productivity of a 16-foot machine with the handling ease of a smaller mower.



Operating the 580-D is incredibly easy. Only Toro provides an adjustable tilt steering wheel and column. All controls are at the operator's fingertips, even cruise control.

Transport is easy too. An exclusive rotating hinge lowers the outboard cutting units behind the operator for a clear view to the side and rear. A balanced design allows you a stable 20 mph transport speed because the weight of the outboard cutting units is rotated to the rear.

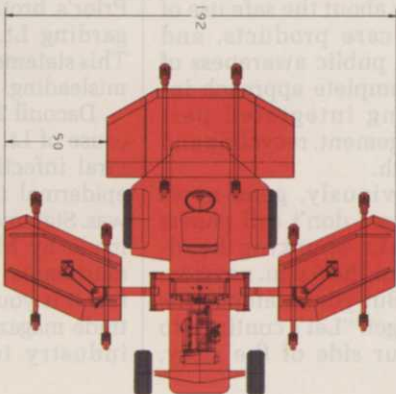


Digital read-outs display vital engine/machine functions at the touch of a button.

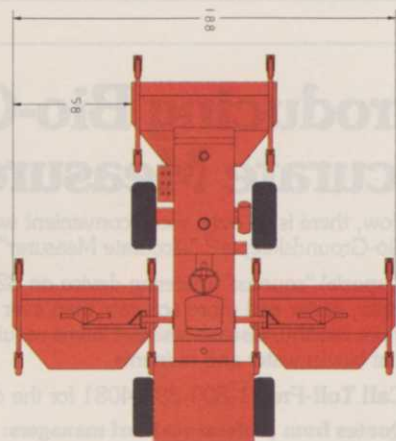
# Capacity Mower That Like A School Bus.



Toro's outboard cutting units also include an exclusive break-away protection feature. Should the operator misjudge distance, the wings will pivot away from the object that has been hit.

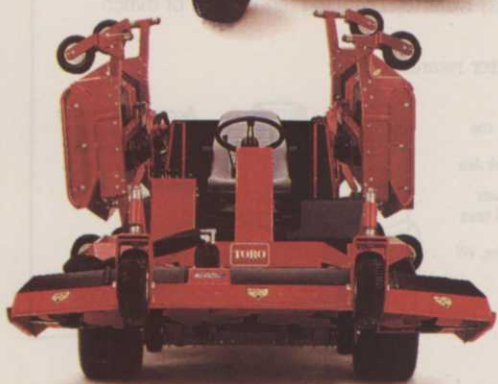


The 580-D's wide stance and short wheelbase give it maneuverability and stability. A short 76" wheelbase lets you turn an 18" uncut circle without braking. And Toro's exclusive swept-forward wing design keeps the tips of the outboard cutting units in line with the front drive wheels improving operator control and visibility.

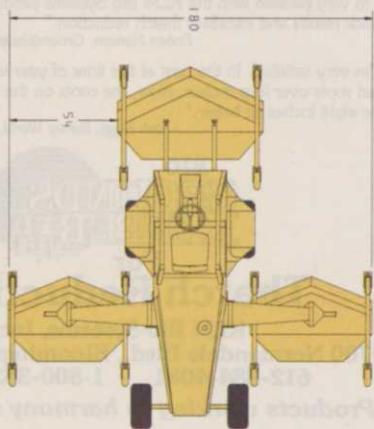


For even more versatility, the 580-D includes these accessories: an 8-foot front broom attachment, a roll over protection system, a canopy, a cab and a road light package.

If you've been sacrificing ease of operation for high capacity, it's time you saw the revolutionary machine that gives you both: the new Groundsmaster 580-D from Toro. Call your local Toro distributor to see the Groundsmaster 580-D or contact Toro at the address below. You'll see firsthand how productive and versatile large-scale turf mowing can be.



Another Toro exclusive allows you to raise one or both of the outboard cutting units inside the traction unit width. The 580-D can then trim between objects less than 8 feet apart with the 92" Triflex® cutting unit.



**TORO**

The Professionals  
That Keep You Cutting

**LETTERS** from page 14  
not be farther from reality. I look forward to more intelligent and professional editorials from your magazine in the future.

**Stephen M. Young**  
Mercer Arboretum &  
Botanic Gardens  
Humble, Tex.

(The "more extreme elements" in the editorial were genuine Earth Day representatives, McIver contends—one of whom was the event's master of ceremonies.)

We think the public deserves to hear both sides. Perhaps the people in Humble should advise their Cleveland peers.—ED.)

### Same article; different view

To the editor:

I read with interest your editorial "Earth Day at 'the zoo'."

Just to confirm your supposition, the Professional Lawn Care Association of Mid-America (PLCAMA)

attempted to obtain booth space at the Kansas City Earth Day celebration. Our inquiries were met with an emphatic "We don't want you there!"

I talked by phone with the local director for about 20 minutes. He finally reluctantly agreed to send me booth information even though it was "unlikely our application would be approved." I never received the promised material.

Any attempts on our part to convince environmental extremists are doomed to futility. But we must continue to educate the general public about the safe use of lawn care products, and create public awareness of our complete approach including integrated pest management, recycling and so forth.

Obviously, good-news messages don't sell papers or make shocking headlines for the 6 p.m. news report. But your statement is on target: "Let's continue to tell our side of the story,

whenever and wherever we can...or are allowed."

Thanks for your editorial. You provided a refreshing viewpoint on Earth Day festivities we would never have heard from most media sources.

**Olivia Golden**  
Executive Director  
Kansas City, Mo.

### Daconil framed in hearings

To the editor:

After reading the news article in the May 1990 issue, I was stunned to read the quote made by Lt. George Prior's brother Thomas regarding Lt. Prior's death. This statement was false and misleading.

Daconil 2787 was not the cause of Lt. Prior's death. A viral infection called toxic epidermal necrolysis (TEN) was. Statements like this one made by Mr. Prior can be detrimental to our industry. I feel it is your obligation as a trade magazine of the green industry to publish this

statement and correct the wrongful accusation toward Daconil 2787.

**Jeff Lansdowne**  
Pocono Farms C.C.  
Tobyhanna, Pa.

### Golf courses recover nicely

To the editor:

I sincerely appreciate Will Perry's accuracy in quoting my comments about Hurricane Hugo damage in last November's issue. This indicates to me his sincerity and professionalism as managing editor.

I am pleased to tell you that the golf courses in the Grand Stand (S.C.) area are recovering nicely and that our rate of play is picking up. It is my understanding that our new course development is proceeding at a brisk pace—something on the order of 10 to 15 courses are either under construction or were started this spring.

**Dr. Paul Alexander**  
Horry-Georgetown Tech  
Conway, S.C.

## Introducing Bio-Groundskeeper® "Accurate Measurer" starter size kit!



Convenient  
32-oz. Starter Size Kit  
covers 25,000 square feet

Now, there is an even more convenient way to reduce thatch the natural way—with the Bio-Groundskeeper® "Accurate Measurer" starter size kit.

A special "squeeze" metering device on 32-oz. starter size kit bottles makes application faster, easier and more accurate than ever before. The totally organic system helps develop more healthy, disease-resistant lawns requiring less water by reducing the blanket of thatch that blocks water and nutrients.

Call Toll-Free 1-800-383-4081 for the distributor nearest you.

#### Quotes from professional turf managers:

"I'm very pleased with the KLM Bio Systems product. It gave me quick results and excellent thatch reduction."

*Robert Hansen, Groundskeeper, New York Jets*

"I'm very satisfied. In the past at this time of year we have never had roots over four inches. Now, the roots on the greens and tees are eight inches or better."

*Rich Riggs, Sentry World, Stevens Point, WI*



### For Thatch Reduction

KLM Bio-Systems, Inc.  
10700 Normandale Blvd., Bloomington, MN 55437  
612-884-4081 1-800-383-4081

Products working in harmony with nature



Accurate Measurer  
Simply squeeze  
bottle to obtain an  
accurate measure in  
reservoir.

BRING IN  
THIS AD AND  
EARN UP TO  
\$40 OFF ON  
YOUR 1ST  
ORDER!



# For Poa Annua Control, Betasan® Easily Outscores The Competition.

In fact, the performance of Betasan® in controlling germinating Poa Annua so outdistances other preemergent herbicides, there almost is no competition. The figures shown are the average percent of control as reported in a three-year university\* study. The results are clear.

But almost total Poa Annua control isn't the only reason Betasan is your best herbicide buy. Betasan can be used safely on more turfgrasses than all other competitors. Also, Betasan is the only preemergent herbicide safe and labeled for use on sensitive species such as bentgrass and fescues, as well as other major golf course grasses.

Most turf professionals already know that Betasan is unbeatable against crabgrass. And now you know even more reasons why the long-lasting protection of Betasan is such a dominating force on any course.

For information, ask your dealer or ICI representative, or call the ICI Information Line at 1-800-759-2500.



**Professional Products**

BLUE	380	440	395	224	550	437	208	390	600	3624
WHITE	349	414	367	192	512	398	180	355	563	3330
HOLE	1	2	3	4	5	6	7	8	9	3042
PAR	4	4	4	3	5	4	3	4	5	36
<b>BETASAN®</b>	<b>90% CONTROL</b>									
<b>BALAN®</b>	<b>54% CONTROL</b>									
<b>DACTHAL®</b>	<b>40% CONTROL</b>									
<b>RONSTAR®</b>	<b>36% CONTROL</b>									
<small>           Betasan is a trademark of ICI Americas Inc.            Balan is a trademark of Elanco Products Company.            Dacthal is a trademark of Fermenta.            Ronstar is a trademark of Rhone-Poulenc, Inc.         </small>										

**Betasan®**  
 Selective Herbicide  
 No. 1 Against Poa Annua

\*Rhode Island University test. Details available upon request.

Circle No. 251 on Reader Inquiry Card

# We offer more than 10 exclusive varieties of grass seed. But only one color.

At Scott we may offer a lot of exclusive seed varieties. But we have only one set of standards. The highest.

And those high standards begin with our breeding and varietal development. We not only work closely with universities and other seed developers, we have our own extensive in-house breeding program, with our own testing facilities all over the country.

The result? Seed to meet any requirement. Exclusive varieties like our Coventry, Abbey, Bristol and VICTA Kentucky bluegrasses; Accolade, Caravelle, Loretta, Applause and Ovation perennial ryegrasses; Banner Chewings fescue; and Chesapeake and Aquara tall fescues.

But seed development is only part of the story. We have

the most stringent requirements and controls for clean seed in the industry. From grower selection all the way through cleaning, testing and packaging, our standards are uncompromising. In fact, we pioneered the seed business over 100 years ago.

And only our seed comes equipped with a Scott Tech Rep. They're true agronomists, who can make recommendations and develop complete seeding and fertility programs to fit your specific needs and problems.

Of course, we still aren't content. We're constantly working harder to develop even better seed varieties.

Although you can rest assured, we're going to stick with the same old color.



COVENTRY • Abbey • Bristol • VICTA • Accolade • Caravelle  
Loretta • Applause • Ovation • **Banner** • Chesapeake • Aquara