

To find a grass tougher than our new Aspen Kentucky bluegrass, you'd have to go undercover.



When searching for the ultimate turf, the grass to keep an eye on is Aspen, the elite new Kentucky bluegrass from Northrup King.

With qualities such as superior disease resistance, excellent color and texture, winterhardiness, heat tolerance, and wide adaptability, we think Aspen is not only the toughest, but the best bluegrass variety around.

Anything better would be downright unnatural.

You'll find Aspen only in Northrup King's Medalist Turf Mixtures. To uncover more information, contact Northrup King, P.O. Box 959, Minneapolis, Minnesota 55440.

Aspen / 

increased the demand for good-looking fields is television. "Now you can see all the other fields," Frey related. "Right up until about 1981, there was no sharing among field managers, but now people welcome you to come in and see their fields."

Other factors which have increased the demand on sports turf managers are:

● Since baseball teams now have more commitments (like televi-

sion), they are less likely to cancel games because of inclement weather; and

● In football, the hash marks have been moved closer to the center of the field, increasing traffic down the middle.

Frey, immediate past president of the Sports Turf Managers Association, keeps the stadium's baseball infield mowed at 1 to 1½ inches, the outfield at 1¼ inch, and the football field at 4 inches.

HERBICIDES

Regulatory actions to restrict compounds

Several major herbicide compounds are on their way out, according to a paper released at Bio Expo '86.

The paper, "Herbicide Resistance: Environmental and Economic Issues," was written by Drs. Charles Benbrook, executive director, and Phyllis Moses, staff officer, of the board of agriculture, National Research Council.

The paper says that "compounds in major classes of products including the triazines, acetamides, phenoxy, and phenylurea are falling under dark regulatory skies. Over the next five years, it is likely that the use of a half dozen or more major products in the United States—indeed in several other countries—will be severely restricted, if not eliminated altogether."

The paper says that eventually regulatory actions will limit the range of uses of many of the older compounds. It also noted that more than 130 active ingredients for weed control are in various stages of development with at least 50 expected to gain registration in the next decade.

Specifically, the paper cited that glyphosate's price will probably fall since the patent is about to run out. Stauffer Chemical is working toward registering an "essentially identical product, sulfosate."

GOLF

NGF opens three new service bureaus

In an effort to better serve the development of golf facilities, the National Golf Foundation has opened three regional offices.

The East, West, and Midwest bureaus will provide expertise in golf course development, says Sheridan Much, NGF vice president of operations.

"These new bureaus will enable us to better customize our services to the area," Much says. "Each of our bureau directors is very familiar with the character of the areas he will cover."

NGF West, located in Scottsdale, Ariz., will be managed by Ted Zahn. Zahn is also the Foundation's director of education. It will serve 13 states.

Bob Slauson, NGF's director of golf facility consulting services will head NGF East in Marietta, Ga., serving 22 states.

Much will manage NGF Midwest in Lawrence, Kans.

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FYLKING

Remember the name because you're going to hear a lot about it. Fylking Kentucky bluegrass lawn is something special. It forms a dense, thick turf, more disease and drought resistant. Greens up earlier, stays greener longer. Fylking can be cut as low as ¾ inch, even ½ inch for home putting greens. Proven over many years of international certified testing. As your seed distributor for Fylking.

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FOLLOWING TYPES OF FACILITIES:**

- 0005 Golf courses
- 0010 Sport complexes
- 0015 Parks
- 0020 Rights-of-way maintenance for highways, railroads & utilities
- 0025 Schools, colleges & universities
- 0030 Industrial & office parks/plants
- 0045 Condominiums/apartments/housing developments/
hotels/resorts
- 0050 Cemeteries/memorial gardens
- 0060 Military installations & prisons
- 0065 Airports
- 0070 Multiple government/municipal facilities
- Other type of facility (please specify) _____

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- 0105 Landscape contractors (installation & maintenance)
- 0110 Lawn care service companies
- 0125 Landscape architects
- 0135 Extension agents/consultants for horticulture
- Other contractor or service
(please specify) _____

C. SUPPLIERS:

- 0205 Sod growers
- 0210 Dealers, Distributors
- Other supplier (please specify) _____

Approximately how many acres of vegetation do you
maintain or manage? _____

What is your title? (please specify) _____

I would like to receive (continue receiving)
WEEDS TREES & TURF each month: YES NO

Your Signature: _____ Date: _____

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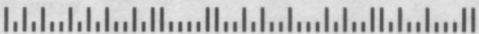
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EQUIPMENT

Jl Case marks 175,000 loader/backhoe sales

Jl Case has sold its 175,000th loader/backhoe manufactured at its plant in Burlington, Iowa. The lucky purchaser is Robert Gregory Jr. (below) of Green Thumb Landscaping Co., Annapolis, Md.

A ribbon-cutting ceremony commemorated the manufacturing of the unit on Oct. 31, 1985. Case pioneered the first loader/backhoe available from a single source in 1957.

Also pictured here is local Case distributor Jay Weamer, sales manager for Suit & Wells Equipment Co., Upper Marlboro, Md.



PEOPLE

Dr. Turgeon named Penn State University agronomy head

Dr. Al Turgeon is named professor and head of Penn State University's agronomy department. He is former vice president of research and technical services for Tru-Green Corporation. He continues in a consulting capacity with Tru Green. Dr. Turgeon is also former resident director of research at the Texas A&M Research and Extension Center in Dallas.



Al Turgeon



Henry Nadler

Doug Wilbrandt, owner of CBD Landscaping, Crystal Lake, Ill., has been named "National Young Entrepreneur of 1986" by the United States

Small Business Administration. He was originally nominated by the Center for Industrial & Business Employee Training of McHenry County College and also won the title at the state level.

James A. Fink is vice-president of operations at Lesco Inc. in Rocky River, Ohio.



Neal Howell



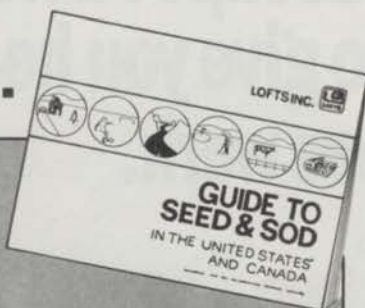
Gene Selawski

PBI-Gordon Corporation names Henry Nadler director of sales and marketing for its pesticides. Neal Howell joins the company as director of technical sales services—soil amendments. Gene Selawski is regional sales manager for the company's Eastern Division.

Claus A. Sass is promoted to grower services manager for the Jacklin Seed Company's Oregon opera-

FREE . . .

LOFTS TURF GUIDE



Lofts' *Guide to Seed and Sod in the U.S. and Canada* is available free of charge on request. The *Guide* is a complete reference for turf grasses, with comprehensive information on use, adaptation, planting dates and rates. This latest edition also includes a section on ornamental grasses and their application.

For your free copy contact Marie Pompei, Research Department, Lofts Inc., Box 146, Bound Brook, NJ 08805, (201) 560-1590.



Lofts Inc.

Circle No. 117 on Reader Inquiry Card

Everybody's talking about Toro's EL-6+



"I've been using Toro products for the past 9 years and began using the Toro EL-6+ because homeowners like it.

They like the cost, they like the simplicity of the programming. Once I showed them, that was it. I never had any call-backs since I started using the EL-6+."

*Ken Detwiler, Contractor
San Bernardino, CA*

Toro's new EL-6+ controller has everybody talking.

If you'd like to hear about it first-hand, contact your local Toro dealer, or Toro directly at 5825 Jasmine Street, P.O. Box 489, Riverside, California 92504. (714) 688-9221.



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New Du Pont Landscape Fabric. It lets water through to give you healthier beds with less work.

New DuPont Landscape Fabric lets water pass through, reduces wash-away of mulch while it impedes weed growth. So you get healthier, more attractive plant beds with less maintenance work and cost.

Everything you apply for bed care gets to plant roots in the amount you want, where you want it. Water, fertilizers, herbicides and pesticides seep down through this chemically inert fabric to nourish and protect every plant in your bed.

DuPont Landscape fabric is easy to put down with scissors or knife. It comes in four roll sizes from 3- to 12-feet wide.

Call 800-441-7515 for the name of the nearest distributor and more information about DuPont Landscape Fabric. Or write DuPont Company, Room G40955, Wilmington, DE 19898.

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tions. He's been with the company for six years.

Brian Houston is elected 17th president of the **Canadian Golf Superintendents Association**. A five-year member of the CGSA Board of Directors, he is superintendent at Vancouver's prestigious Shaughnessy Golf Club.

Russ Gillum joins the Ball Seed



Claus Sass



Russ Gillum

sales staff, covering the San Francisco Bay area. He started with the company in 1965.

Charles F. Adams is appointed business manager, specialty products in the Vegetation and Pest Control Ventures Department of **American Cyanamid's Agricultural Division**. He's held a number of technical sales and marketing positions since joining

the company in 1974.

Bob Bryant is appointed golf manager for **Rain Bird Sales Inc.** **Denyse Arles** is appointed inside sales representative for the company's Turf Division while **Tom Shannon** is Southeast



Bob Bryant



Denyse Arles

district manager for the Turf Division.

William F. Kirk, general director of the Du Pont Company's Agricultural Products Department, is named distinguished alumnus by the **University of Illinois College of Agriculture Alumni Association**. He is a 1964 graduate.

Wade E. Terry is director of sales for **The Toro Company's Irrigation Division** in Riverside, Calif. A Toro employee since 1970, he will manage company sales programs. **Ken Kline** is named technical/sales training man-



Wade Terry



Ken Kline

ager for Toro's Irrigation Division. He is a former irrigation installation professor at Cal Poly—San Luis Obispo.

Warren's Turf appoints **Steve Teeple** national sales manager. He has experience in the materials handling industry.

Ken Killian is elected president of the **American Society of Golf Course Architects**. He began his architectural career in 1956 and started his own firm in 1983.



Steve Teeple

Tim Peter is promoted to director

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*Everybody's talking
about Toro's EL-6+*



*"I've been using
the EL-6+ con-
troller for over
a year now
and my home-
owners are*

really pleased with the ease of operation. Once you show it to them, you very seldom have to show it to them again."


*Mike Crawford, Contractor
Jacksonville, FL*

Toro's new EL-6+ controller has everybody talking.

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There has never been a single product that handles so many pests, while being so convenient to use and so safe to plants. MAVRIK is a non-restricted material, and it has been tested on more than a hundred ornamental species without a report of any phytotoxicity.

MAVRIK is a water-based flowable, so it's convenient to mix, and there is no odor and very little visible residue. The dilution range is flexible—use more for mites, less for most other pests.

Use MAVRIK on trees, shrubs, lawns. Use it on aphids, thrips, whiteflies, worms, blackvine weevils, two-spotted and European red mites. Once applied, MAVRIK won't hurt bees or most other beneficials.

You won't find the convenience and broad spectrum coverage of MAVRIK in any other product. And since MAVRIK is available at your local distributor, all you have to do is ask for it.



Zoecon Corporation, a Sandoz Company
Crop Protection Division

Palo Alto, California 94304

Use pesticides effectively. Read and follow label directions carefully.

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of engineering for **Ransomes Inc.** He has been an engineer with the company for seven years.

Ford Tractor appoints **Joseph W. McAvoy** quality manager of Ford's Tractor Operations (FTO) as a result of the consolidation of FTO's Product



Ken Killian



Tim Peter

Quality and Quality Control offices. He's been with Ford since 1959.

Mike Baron is appointed residential market manager and **David G. Wheeler** is named industrial market manager of the Turf Division of **Rain Bird Sales Inc.**

Simplicity Manufacturing promotes **Bill McKee** to area sales manager for Western Pennsylvania and **Pat Hanlon** to district sales manager for Northern Illinois.

Morton McDonald Jr. is appointed

director of sales and business development in the Crop Protection Chemicals Department of **American Cyanamid's Agricultural Division.**

Lynda Minchin is regional sales manager for 10 Midwestern states and Los Angeles County for **Hunter Industries.** She has 13 years experience in landscape contracting.

Kohler Co. appoints **George R. Tiedens** group vice president—power systems, and **James M. Roenitz** vice president—plumbing and specialty products North America.

Gary Curl is named business man-



Joseph McAvoy



Mike Baron

ager of **Pennwalt Corporation's Agricultural Division.** He is involved in developing the company's endothermal products.

R. William Marberger is elected

president of **The Pennsylvania Turfgrass Council.** He is a turf specialist with the Mid-Atlantic Equipment Corporation in Collegeville, Pa.



David Wheeler



Bill McKee

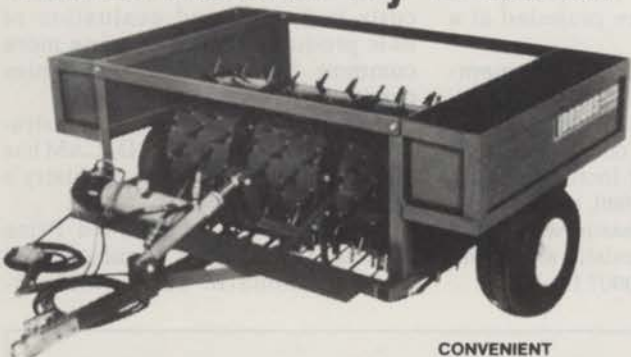
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Everybody's talking about Toro's EL-6+



*"You really do
get more fea-
tures for less*

*cost with the EL-6+ Controller. I
highly recommend it."*

*Charles Ellis, Contractor
Oklahoma City, OK*

Toro's new EL-6+ controller has everybody talking.

If you'd like to hear about it first-hand, contact your local Toro dealer, or Toro directly at 5825 Jasmine Street, P.O. Box 489, Riverside, California 92504. (714) 688-9221.



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JULY 1986/WEEDS TREES & TURF 19

DOWN BUT HEADED UP

The outlook for the green industry equipment market in 1987 is still positive, but the figures may be down from impressive 1985 and 1986 numbers.

It finally appears the steam-rolling American economy is slowing to a more realistic pace after four years of substantial growth, and that slower pace appears to be having an effect on the turf equipment market.

Members of the Outdoor Power Equipment Industry (OPEI) anticipate a decrease in product shipments in 1987, according to figures prepared for OPEI by the Bolens Corp.

However, the decrease is not expected to be substantial.

Total shipments for 1987 (walk-behind mowers and tillers, and riding units) are expected to fall just 1% from 1986 figures.

Figures from 1986 are down slightly from 1985. When final figures for model year 1986 are available, rear engine riding mower shipments are expected to decrease 3%; front engine lawn tractors, down 1%; garden tractors, down 10%; walk-behind rotary mowers, down 3%; walk-behind tillers, down 6%; walk-behind snowthrowers, down 16%.

A solid long-term

Although 1986 and 1987 numbers are expected to lag behind those posted in 1985, projected numbers for 1988, 1989, and 1990 are up substantially, according to OPEI members.

The outlook for the equipment industry is down slightly but projected figures to the end of the decade are positive. The commercial turf equipment market should experience steady growth through decade's end.

by the WT&T staff

Shipments of walk-behind mowers and tillers are forecast at more than 5.5 million in 1988, up a projected 4.5% from 1987's estimated figures. Projected figures for 1989 are up 4% while 1990 figures are projected at a 3.4% increase.

OPEI commercial turf care members are optimistic about 1987, forecasting a 5% increase in shipments.

In the long view, commercial turf care members predict increases of 4% and 2% for 1988 and 1989, respectively.

Is there a single reason why OPEI members are so optimistic about the years 1987 through 1990? Probably

not. However, more efficient design and manufacturing processes may lead to greater productivity, more profits, and a rosier outlook.

A new solution

It's called the CAD/CAM system. It's revolutionizing the equipment industry, perhaps more than any new product itself.

CAD/CAM stands for "Computer Aided Design/Computer Aided Manufacturing."

While smaller manufacturers still fumble with eraser-marked drawings, larger companies are taking it easy. Push one button on the CAD/CAM system and you can re-design an entire product, or just one part of a product.

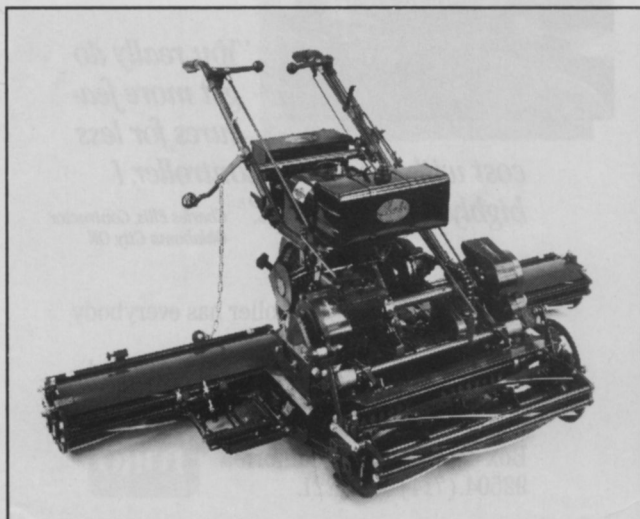
"We've enjoyed continued growth and a certain momentum because of CAD/CAM design for state-of-the-art engines," says Ruth Ann

Stuckey, marketing director for Grasshopper.

Denny Brown, manager of marketing services for Toro, says the CAD/CAM system has reduced costs in testing and evaluation of new products. "It's becoming more common, but not many companies use it yet," Brown says.

Simplicity's director of administration Chris Covert says CAD/CAM has made an impact on the industry's manufacturing aspect.

Howard Price of Howard Price Turf Equipment says, besides CAD/CAM, automatic computer-con-



Locke's Model 6 reel mower.



J I Case's Model 480E loader/backhoe.