

**...It also cuts time,
costs and covers
its tracks.**

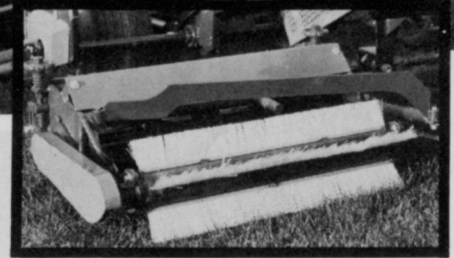
Brouwer Hydraulic Lift mowers let you raise mowers with a touch of a lever—saves time in tight corners and when transporting. (Also available with standard lift).

The "all season" simple design, low maintenance mower makes a perfect cut even in wet grass because of PTO Drive.

For the landscaper, the small turf farmer, the Brouwer 5 gang PTO mower is a good cut above the competition. Change to more economical mowing, write for a complete brochure now.



Tractor Track Remover brushes up grass behind tractor wheels.



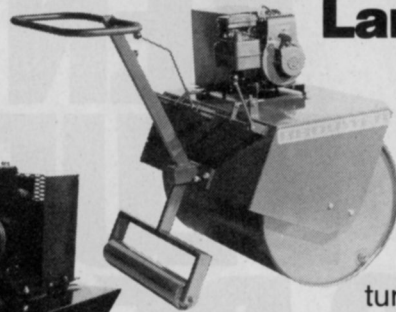
**Walk it!
Ride it!
Roll it
faster.**



The 230 tandem ride-on roller has 30" wide rollers driven by 5 H.P. engine with hydrostatic drive, a large steering wheel for side operation on steep slopes and a turning radius of only 4'.

**Brouwer for Turf and
Landscape
people.**

The 130 single roller has a 30" roller, 4 H.P. engine with hydrostatic drive. Ideal for turf, athletic courts, confined areas.



The 230 easily converts to 130 single model. Made for the turf and landscape industry, the new Brouwer rollers are wider, easy to operate, save time and labour costs.

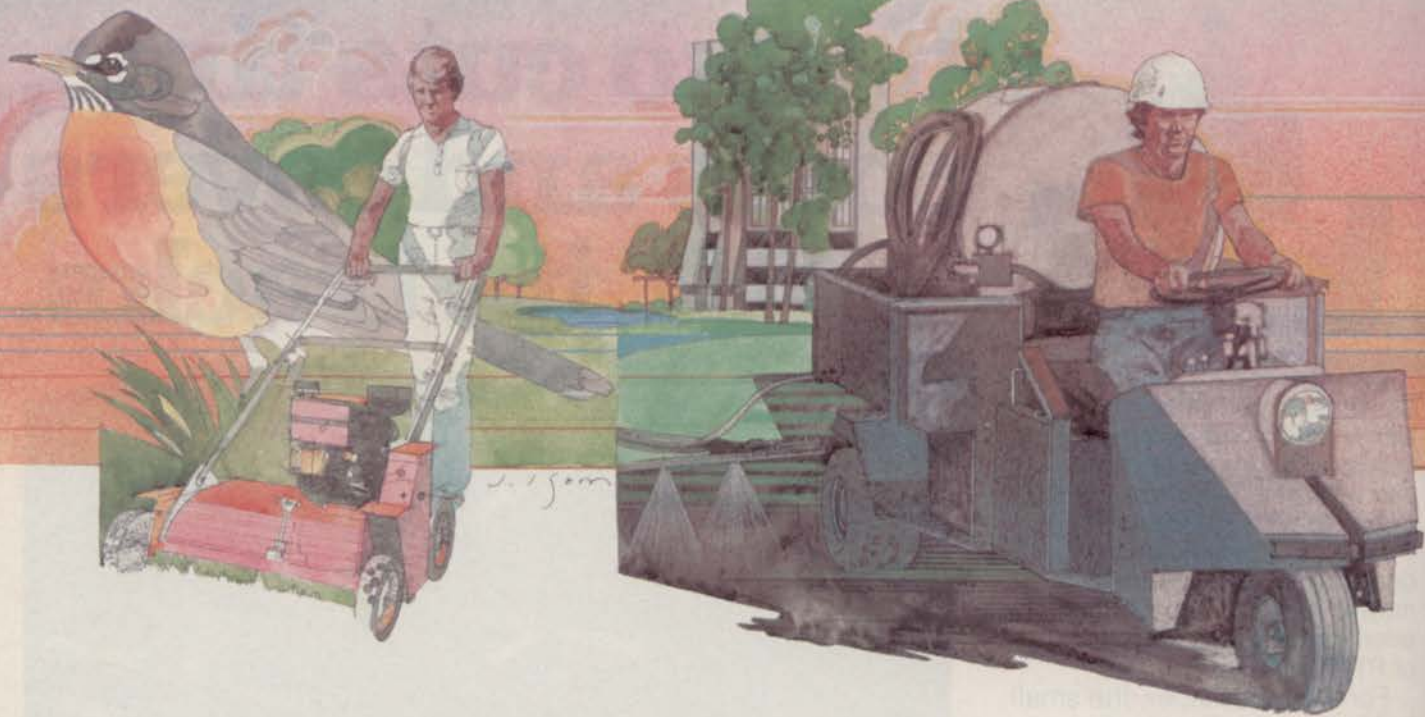
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MAY 1981/WEEDS TREES & TURF 51



Any turfgrass seed works

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KENTUCKY
BLUEGRASS
IS DESIGNED TO
WORK IN THE
REAL WORLD.**



well with constant attention.

RUGBY KENTUCKY BLUEGRASS.

IT DOESN'T NEED CODDLING TO LOOK GREAT.

As a turf professional, you know all the tricks to making grass look terrific. You lavish water and fertilizer on it, overseed, apply herbicides, and take great care in mowing.

But times are changing. Increasingly you're finding yourself pinched by escalating costs for materials and labor. And there's a growing movement among environmentalists to lessen dependence on fertilizers.

Rugby Kentucky Bluegrass answers these problems.

YEARS OF TESTING.

Rugby is a new Kentucky bluegrass. But it's not unproven. Before it was ready to be introduced to you, years of extensive testing were performed under a broad range of climatic and soil conditions. Test sites were located not only in the United States, but Canada as well.

The results? Our testing has shown Rugby to be unique. It's a truly *different* variety from anything else on the market, with superior performance.

How is it superior? Read on.

A TRUE LOW-MAINTENANCE TURF.

The most singular advantage of Rugby is its ability to provide high-quality dark green turf when maintained at *low* nitrogen fertility and restricted moisture levels.

Most improved Kentucky bluegrass varieties are *not* low-fertility types. You may be told they performed well in turf trials. Unfortunately, you're *not* told that those trials are often conducted using *optimum* nitrogen levels. So it's no wonder you have to fertilize the heck out of these varieties to get good results.

Not so with Rugby. *You can actually get better results with Rugby than with other Kentucky bluegrass varieties while using less nitrogen fertilizer.*

And you'll also save on the labor it would take to apply that extra fertilizer and to do the extra mowing.

A HIGH-QUALITY TURF.

But no matter how much we tell you about the low-maintenance aspects of Rugby, ultimately you look for — and demand — *superior turf*. Your professional standards wouldn't settle for anything less. And we wouldn't want it any other way.

Rugby has a rapid spring green-up rate and excellent fall color. And it

also displays *sustained growth during the mid-summer heat stress period*, even under low nitrogen fertility and restricted moisture.

Moreover, Rugby possesses a high level of resistance to most of the common and current turfgrass diseases. This is another factor which may well result in significant savings in turf management costs.

THE ENVIRONMENTALIST'S GRASS.

Using less water and fertilizer means potential dollar savings for you, of course. But you can also take satisfaction in the fact you'll be using *fewer natural resources*.

By now you're well aware of the increasing social consciousness among the population in this regard. And by making available a Kentucky bluegrass that fits the world of the '80's, we believe we're fulfilling an important need.

For more information on Rugby, write Rugby Kentucky Bluegrass, P.O. Box 923, Minneapolis, MN 55440.

Rugby
KENTUCKY BLUEGRASS
For low maintenance turf

important to know how it works and to understand its three basic needs — fuel-air mixture, compression, and ignition — in order to keep it running as economically as possible. Every manufacturer provides owner and service manuals for its engines which should be followed carefully.

A failed engine can be easily overhauled and rarely needs to be replaced. However, P. H. Scholten, Kohler's service manager, advises in the company's "EM" (Equipment Management) publication: "Before rebuilding an air-cooled engine, a systematic analysis of the failure should be conducted to determine the cause and ascertain whether or not it was preventable."

When an engine must be completely replaced, the Hustler Corporation can interchange models on its lawn care equipment with only slight modifications, except for an 18 horsepower model. The company puts Kohler models K532 (20 horsepower) and K582 (23 horsepower) on its lawnmower models 275 and 285. It mounts a Briggs & Stratton 18-horsepower, air-cooled engine on another mower and also uses a Teledyne Continental water-cooled engine with 25 h.p.

"We basically have the same frame on all our units," says John Austin of Hustler's Service De-

partment, "and with relocation of the motor mounts, we can pull a Kohler out and put a Continental engine in."

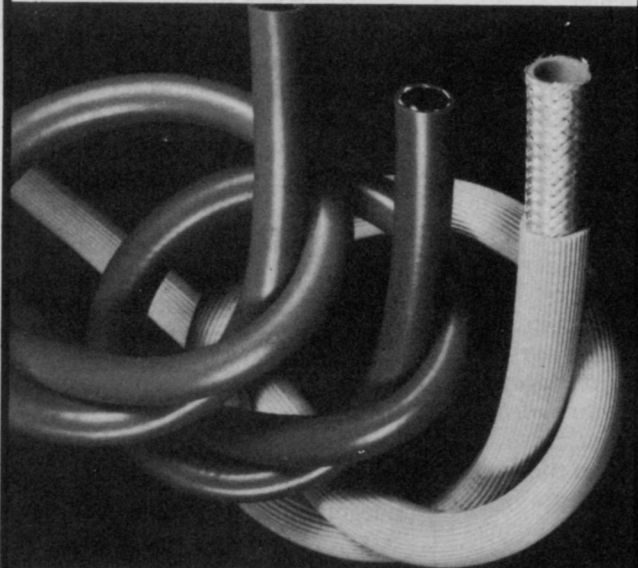
Tuflex uses Briggs & Stratton 5 and 8 horsepower and advises replacement with the same engine.

Bunton & Goodall equips its mowers with Briggs & Stratton and Tecumseh engines. The company uses a Teledyne Wisconsin diesel with 19 horsepower on one tractor and a Kohler gasoline, 20-horsepower engine on another. "You can swap some engines," says Orville McDonner. "It's about an hour's job."

Toro uses a variety of engines on its equipment, including Kohler, Chevrolet, Teledyne Continental, and Briggs & Stratton. The air-cooled are most often replaced.

"To stretch air-cooled engine life," writes P. H. Scholten, "There are only three simple rules to follow: Keep the engines clean on the outside, keep them clean on the inside, and keep them supplied with oil. Air-cooled engines are built to withstand severe punishment . . . The successful extension of air-cooled engine life depends not on how well the shop can repair them, but on how well the man using them can perform a basic inspection, and on routine service." **WTT**

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Used Chip box with hydraulic cylinder **\$700.00 each.**

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A mower that keeps you cutting. Gets the job done.

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injection pump. And soak you with costly repairs and downtime.

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Plus, other advantages you get with every Groundsmaster 72®, gas or Diesel. Such as hydrostatic drive and a Donaldson air cleaner.

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But we didn't stop there.

We knew that water in fuel can literally drown a Diesel. Destroy its injectors and



THE NEW TORO DIESEL
It's our Groundsmaster 72®
now available with Diesel engine.

TORO

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THAT KEEP YOU CUTTING.**

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SOD PRODUCER NEWS

FLCRA changes remain top priority

An attempt of the American Sod Producers Association and the American Association of Nurserymen to change

the Farm Labor Contractor Registration Act was sidetracked late last year by the refusal of the lame-duck Congress to pass a Congressional pay increase.

The Department of Labor had interpreted the FLCRA as exempting any

nurseryman who personally engages in activity "for the purpose of supplying migrant workers for his own operation." The Department held that a corporation cannot "personally engage" and must therefore register as a Farm Labor Contractor.

During April, 1980, various agricultural associations met with the staff of the Senate Labor and Agricultural Committee to work out a solution to the problem. Since the groups involved did not agree unanimously, their effort was unsuccessful.

On December 3, Senator Lawton Chiles (D-Fla.) and Senator David Boren (D-Okla.) led an effort to attach an amendment to the Continuing Appropriations Resolution for fiscal year 1981 which would have prevented the Department of Labor from applying the FLCRA to sod producers and nurserymen. The bill was approved by the Senate 47 to 41.

During the same period, however, the House passed its own version of the Continuing Resolutions bill, which did not contain the FLCRA amendment but included a \$10,000 salary increase for members of Congress. House and Senate conferees attempted to arrive at a compromise final bill, but a deadlock arose because of the Senate's unwillingness to agree on a pay increase. The House, in turn, did not accept any of the amendments which the Senate had attached to its Continuation Resolution, including the FLCRA amendment.

Resolution of the FLCRA problem remains a top priority goal for sod growers and nurserymen during the 97th Congress.

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The 52 inch, self-propelled, diesel driven lawn mower shown above is one of 76 commercial rotary mowers built by Buntun. Select distributorships and dealerships available. Call or write for more information.

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BUNTON

New Kentucky bluegrass saves on maintenance

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Rugby produces a dark green turf with medium leaf texture. It has rapid germination and spring green-up, little tendency toward midsummer dormancy, and the ability to sustain color late into the fall. It also possesses a high level of resistance to most of the common turfgrass diseases.

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WT&T EVENTS

The current issue of **WEEDS TREES & TURF** carries meeting dates beginning with the following month. To insure that your event is included, please forward it, 90 days in advance, to: **WEEDS TREES & TURF Events, 757 Third Ave., New York, NY 10017.**

Tree Foreman Training program, Kent, Ohio, **June 1 - 12.** Contact Richard Abbott, Davey Environmental Services, 117 S. Water St., Kent, OH 44240, (216) 673-9511.

Plant Maintenance Seminar and Exhibit, Hofstra University, Hempstead, New York, **June 2-4.** Contact Facility Maintenance Institute, Hofstra University, Hempstead, NY, 11550, (516) 560-3315.

Refresher Course, Cal Poly, San Luis Obispo, CA, **June 2-4.** Contact Lanny E. Walker, California Association of Nurserymen, 1419 - 21st Street, Sacramento, CA 95814, 916/448-2881.

Kentucky Cemetery Association Annual Convention, Executive Inn, Louisville, Kentucky, **June 5-7.** Contact Lewis Tingley, Resthaven Memorial Park, PO Box 18068, Louisville, KY 40218, (502) 491-5950.

Grow Show '81, Albert Thomas Convention Center, Houston, TX, **June 8-10.** Contact David H. Lindsay, Exposition Manager, P.O. Box 17413, Dulles International Airport, Washington, DC 20041, 703/471-5761.

Texas ISA chapter meeting, Dunfey Dallas Hotel, Dallas, TX, **June 11-13.** Contact Ervin C. Bundy, Executive Director, 5 Lincoln Square, P.O. Box 71, Urbana, IL 61801, 217/328-2032.

Northern Michigan Turf Managers Association meeting, Cadillac, MI, **June 16.** Contact C. E. "Tuck" Tate, President, NMTMA, 1147 Santo, Traverse City, MI 49684, 616/947-9274.

Seventh Annual Turf Field Day, University of Massachusetts, South Deerfield Research Station, **June 24.** Contact Dr. Joseph Troll, University of Massachusetts, Dept. of Plant and Soil Science, Stockbridge Hall, Amherst, MA 01003, 413/545-2353.

Better Lawn & Turf Institute Annual Meeting, Atlanta, GA, **June 30.** Contact Robert W. Schery, Director, BLTI,

991 W. 5th Street, Marysville, OH 43040, 513/642-1777.

Northern Michigan Turf Managers Association meeting, Cadillac, MI, **July 7.** Contact C. E. "Tuck" Tate, President, NMTMA, 1147 Santo, Traverse City, MI 49684, 616/947-9274.

New York State Nurseryman's Association Convention and Trade Show, Onondaga County War Memorial Convention Center, Syracuse, NY, **July 7-10.** Contact Margaret Herbst, 230 Park Ave., New York, NY 10017, 212/685-4579.

Continues on page 58

Hopkins

NEW REVENGE™

cost effective control of
Johnsongrass, Bermuda, other grasses

1. **Quick brownout.** Kills entire plant—roots and all. One application for season-long control.
2. **Economical, easy to use.** Free-flowing. Completely water soluble, forms a true solution.
3. **Up to 98% control** of rhizome Johnsongrass into the next season—even where foliar materials alone fail to give good control.

REVENGE is a highly effective, low-cost herbicide for control of established annual and perennial grasses. It combines contact action with systemic action that moves chemicals through foliage and roots.

REVENGE used at 15 pounds per 100 gallons of water, along with 2 quarts of Hopkins' Neptune® or Agicide® Activator, gives fast, effective control of troublesome perennial grasses such as quackgrass, Bermudagrass, Johnsongrass and cattails. Don't just get mad at grass problems — get **REVENGE**.

For nearest distributor, contact:



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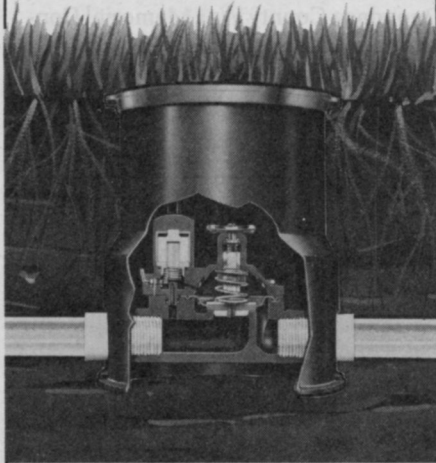
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Events from page 57

Grower's Seminar, San Jose, CA, **July 14**. Contact Lanny E. Walker, Public Relations Director, California Association of Nurserymen, 1419 21st Street, Sacramento, CA 95814, 916/448-2881.

American Sod Producers Association Summer Convention & Field Days, Hershey Motor Lodge & Convention Center, Hershey, PA, **July 15-17**. Contact ASPA, Bob Garey, Executive Director 9th & Minnesota, Hastings, NE 68901, 402/463-4683.

American Association of Nurserymen 106th Annual Convention and Trade Show, Stouffer's Cincinnati Towers, **July 18-22**. Contact AAN, 230 Southern Bldg., Washington, D.C., 20005.

Society of American Florists 1981 Convention, Denver, Colorado, **July 29-Aug. 1**. Contact SAF, 901 N. Washington St., Alexandria, VA 22314.

American Phytopathological Society Annual Meeting, New Orleans, **Aug. 2-6**. Contact Steven Nelson, Convention Services, APS, 3340 Pilot Knob Rd., St. Paul, MN 55121, (612) 454-7250.

Illinois Landscape Contractors Association Summer Field Day, D. Hill Nurseries, Union, Illinois, **Aug. 5**. Contact Lucille Little, 202 W. Main St., PO Box 1049, St. Charles, IL 60174, (312) 584-5770.

International Society of Arboriculture Convention, Boyne Mountain Resort, Boyne Falls, Michigan, **Aug. 9-12**. Contact E.C. Bundy, ISA, PO Box 71, 5 Lincoln Square, Urbana, IL 61801, (217) 328-2032.

International Society of Arboriculture Annual Meeting, **Aug. 9-13**, Boyne Mountain Resort, Boyne Falls, Michigan. Contact E.C. Bundy, 5 Lincoln Square, P.O. Box 71, Urbana, IL, 61801, 217/328-2832.

Sixth Nebraska Turfgrass Field Day and Equipment Show, **Aug. 4**. Contact Dr. Robert Shearman, University of Nebraska, 377 Plant Science Bldg., Lincoln, NE 68583, 402/472-2550.

International Garden Centre Congress, Disneyland Hotel, Anaheim, CA, **Aug. 24-30**. Contact Pat Redding, GCA, 230 Southern Bldg., Washington, DC 20005.

Grower's Tour, **Aug. 25**. Contact Richard Staples, Program Administra-

Continues on page 64

Embark® Plant Growth Regulator Distributor Locations

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| California
Moyer Chemical Co.
San Jose
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San Jose
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Superintendent
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For Holy Cross a 50 percent drop in trimming means better use of part-time labor. Because if crews aren't cutting around markers, they're busy mowing or doing other cemetery maintenance jobs.

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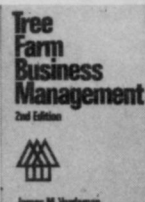
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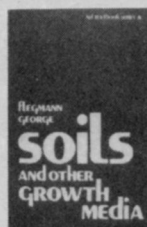
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