

For the long run.



Introducing a powerful new force in riding rotary mowers.

Now there's more to Cushman® Front Line® Mowers than top cutting performance. More power. More operator comfort. More endurance.

Now there's the new diesel-powered model Cushman 807.

Its totally integrated power train and new hydraulically-powered steering gives you unmatched performance over the long run. The 807 dispatches thick, wet grass on tricky maneuvers around obstacles without losing

ground speed. No other rotary mower gives you a cleaner cut.

At the heart of the new, four-wheel 807 is a powerful 21.5 horsepower, 3-cylinder Kubota 950 diesel engine. We've also included a heavy-duty Donaldson air cleaner and a new, heavy-duty Cushman PTO clutch to keep your new Cushman Front Line running longer. A complete family of Cushman Front Lines and a wide range of accessories are available to meet all your needs all

year 'round. Choose a 3 or 4 wheel design with 60- or 72-inch side or rear discharge mower deck. Or add the exclusive Cushman Grass Caddy™ system, which lets you cut, catch, and hydraulically dump 16 bushels of clippings without leaving the seat.

For a convincing demonstration contact your Cushman dealer today. Or call toll-free: 1-800-228-4444.

CUSHMAN®
BUILT TO LAST

3451 Cushman, P.O. Box 82409, Lincoln, NE 68501

© Cushman Division of Outboard Marine Corporation, 1989. All rights reserved.

Fine Lawn Research proves . . . not all Kentucky Bluegrasses are created equal.



Experienced sod growers and professional turf managers know there are measurable differences between turf varieties . . . differences in overall turf quality, color, summer density, shade performance and more. As the ratings shown here prove, Chateau Kentucky Bluegrass has consistently outperformed some of the most popular bluegrass varieties.

So, for truly premier turf year after year, choose Chateau Kentucky Bluegrass. Strength of breeding always shows.



- A truly elite bluegrass—one of the best available.
- Beautiful emerald green color.
- Outstanding shade performance.
- Withstands summer stress better than most bluegrasses.
- Superior performance in trials throughout the U.S. and Canada.
- Very wear-tolerant—excellent for athletic fields.
- Semi-dwarf growth habit for lower mowing and attractive appearance.
- Excellent resistance to leaf spot, stripe smut and powdery mildew.

Another quality product from...

Fine Lawn
RESEARCH, INC.

Top Rated

Chateau Kentucky Bluegrass

Turf Quality

NATIONAL TURFGRASS
EVALUATION PROGRAM 1986

| VARIETY | AVG. SCORE |
|------------|------------|
| Chateau | 6.0 |
| Classic | 5.9 |
| Challenger | 5.8 |
| Ram I | 5.7 |
| Julia | 5.7 |
| Eclipse | 5.6 |

Rated 1-9; 9 = Best

Turf Color

LINCOLN NEB.-2 YR. MEAN

| VARIETY | AVG. SCORE |
|----------|------------|
| Midnight | 7.9 |
| Chateau | 7.0 |
| Baron | 6.9 |
| Fylking | 6.8 |
| A34 | 6.5 |

Rated 1-9; 9 = Dark Green

Summer Density

NATIONAL TURFGRASS
EVALUATION PROGRAM 1987

| VARIETY | AVG. SCORE |
|------------|------------|
| Chateau | 7.3 |
| Challenger | 7.2 |
| Bristol | 7.1 |
| Julia | 7.0 |
| Liberty | 6.8 |
| Nassau | 6.6 |

Rated 1-9; 9 = Maximum Density

Shade Performance

MARYSVILLE, OH 1981-82

| VARIETY | AVG. SCORE |
|---------|------------|
| Chateau | 2.32 |
| Eclipse | 2.20 |
| Birka | 2.01 |
| Glade | 1.65 |

Rated 1-4; 4 = Best



For additional information,
See your distributor or dealer, or
Write to Fine Lawn Research, Inc.
P.O. Box 290, Madison, GA 30650

PROGRAM

STAFF

PUBLISHER **DENNE GOLDSTEIN**
ASSOCIATE PUBLISHER **BRUCE SHANK**
EDITOR **JAMES GREGORY**
ASSISTANT EDITOR **DANIEL BORDONA**
ADVERTISING SALES **BOB WEISS**
ART DIRECTOR **BILL LUCAS**
PRODUCTION MANAGER **JOEL CONE**
CIRCULATION **DENISE ALLEN**
ADVISORY BOARD **TOM COOK, WILLIAM DANIEL,
ROBERT FRIETAS, VIC GIBEAULT, ROY
GOSS, FRED GRAU, DONALD HOGAN,
HENRY INDYK, WILLIAM KNOOP**

ADVERTISING AND EDITORIAL OFFICES

P. O. BOX 8420, VAN NUYS, CA 91409 / 818-781-8300

SUBSCRIPTION RATES

ONE YEAR \$18
TWO YEARS \$30
FOREIGN (ONE YEAR) \$40



6913 VALJEAN, VAN NUYS, CA 91406
(818) 781-8300, FAX (818) 781-8517

OTHER GOLD TRADE PUBLICATIONS

LANDSCAPE & IRRIGATION,
ARBOR AGE,
IRRIGATION JOURNAL
LANDSCAPE DESIGN

EXECUTIVE STAFF

PRESIDENT **DENNE GOLDSTEIN**
EXECUTIVE VICE PRESIDENT **BRUCE F. SHANK**
VICE PRESIDENT **ANNE GOLDSTEIN**
VICE PRESIDENT **RANDI GOLDSTEIN**
VICE PRESIDENT **IRA GOLDSTEIN**
MASCOT **JOJO**



sportsTURF Magazine

is published monthly by GTP, Inc.
Material in this publication may not be
reproduced or photocopied in any form without
the written permission of the publisher.
Copyright ©1989. Member of the Business
Publications Audit of Circulation, Inc.

SECOND CLASS POSTAGE PAID at Van Nuys, CA
(ISSN 0890-0167)

Postmaster: Please send change of address
form 3579 to sportsTURF magazine, P.O. Box
8420, Van Nuys, CA 91409.

VOLUME FIVE, NUMBER SEVEN

JULY 1989

MAIN EVENTS

16 BERMUDAGRASS SOLUTIONS FOR LOW-BUDGET TRANSITION ZONE FIELDS

Trying to grow cool-season grasses in transitional climates with limited resources can frustrate managers of football and soccer fields. Usually the only time available to repair thin or damaged turf is from mid-May to mid-August, a time when cool-season grasses are difficult to establish. However, summer is the best time to establish or renovate bermudagrass. Dr. David Minner, University of Missouri turf specialist, explains why bermudagrass is an economical alternative to cool-season grasses for managers of low-budget fields. He outlines the renovation process, the types of bermudagrasses available, and how to deal with the threat of winterkill.

22 PRODUCTIVITY, AGRONOMICS RANK HIGHEST IN MOWER SELECTION

The ultimate goal of golf course superintendents and sports turf managers today is to achieve a combination of quality and playability that fits each particular area under their care. As a result, no single mower or mowing program can be expected to meet all their needs. Realizing this, manufacturers are unveiling new models each year designed for specific uses. To help you make sense out of the many changes in mowers today, we spoke to agronomists, manufacturers, and turf managers. Besides productivity, turf managers should consider agronomic aspects of mower selection. One thing is made quite clear: Mowing frequency improves turf quality. Greater productivity permits increased mowing frequency. By utilizing the right combination of mowing equipment, all turf managers can come closer to their goal of quality turf.

LINE-UP

11 FROM THE PUBLISHER

12 THE FRONT OFFICE

12 EVENTS

12 REBOUND

14 THE EXTRA POINT

26 CHALKBOARD

30 ROOKIES

34 SCOREBOARD

COVER: A Midiron bermudagrass football field in Kansas City, MO, overseeded in the summer with Guymon bermudagrass and perennial ryegrass. Photo courtesy: Dr. David Minner.



COME SEE OUR TRIPLE FEATURE

Now showing. The new and improved Ransomes Motor 180 TR15B. Built with star quality. 150 years of reel-mowing expertise. And three great new ideas that make it the most versatile, compact triplex rider today.

Standard hydraulic cutter lifts. A smooth, powerful Vanguard V-twin engine, for easier-than-ever power up long grades. Optional three-wheel drive, for greater traction.

Plus the usual Motor 180 turn-ons: Low, ground-hugging design. Maneuverability in and out of tight spots. Hydrostatic single-foot drive.

And Ransomes famous durability. The new Motor 180 TR15B. It just might be the most entertaining triplex rider on the big green.

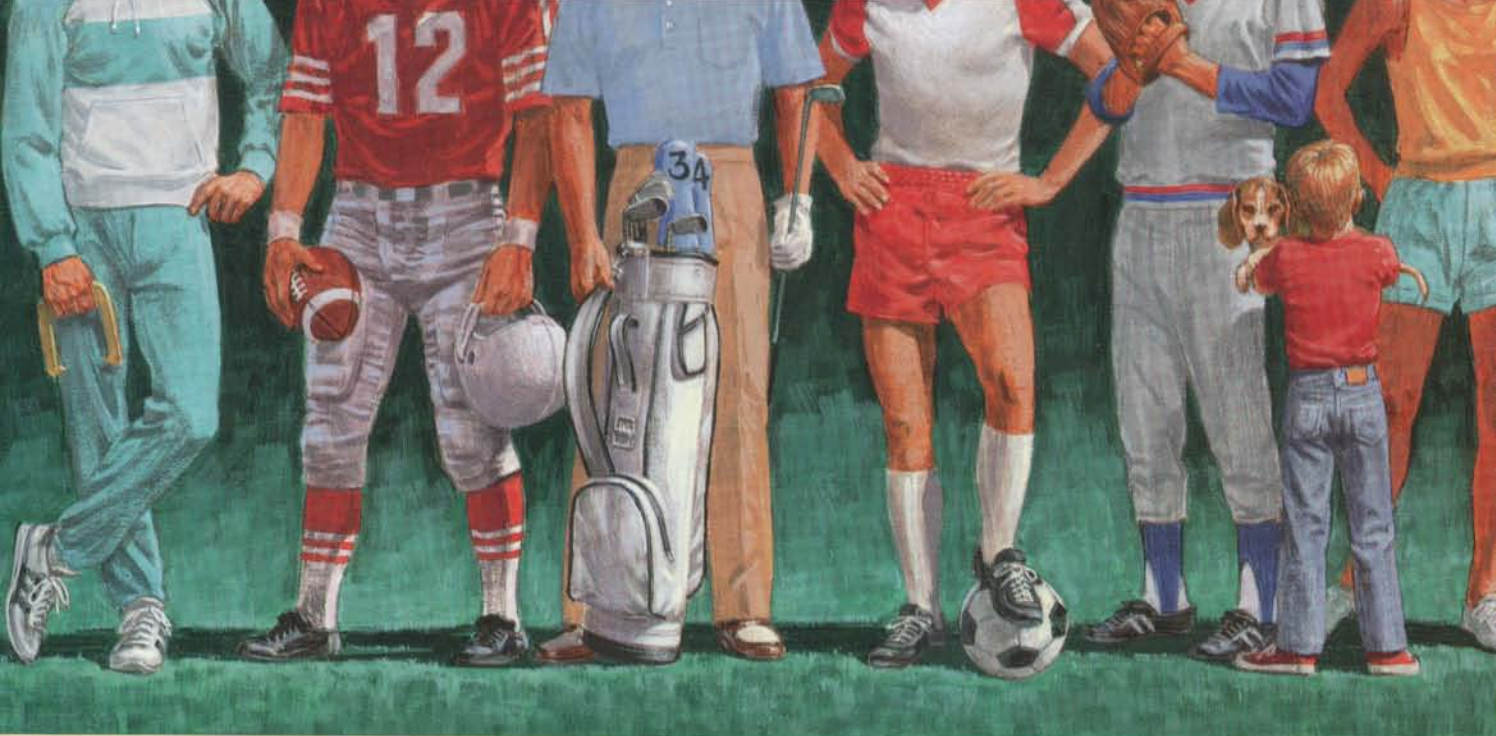
To get the big picture, see your Ransomes distributor. Or call Ransomes, Inc., One Bob Cat Lane, Johnson Creek, WI 53038 (414) 699-2000.

RANSOMES

BOB-CAT®

WHERE GREAT IDEAS START

Circle 109 on Postage Free Card



Our New Drainage Pipe Has Grounds For Consideration.

Our vertically constructed pipe creates *new* options
for your next turf drainage project.



For years, professional groundskeepers, golf course superintendents, landscape architects and contractors have relied on our round 4" pipe as *the* standard when a drainage system was required.

Today, these same professionals can depend on our new vertically constructed AdvanEDGE® Pipe, specifically designed to accommodate projects which require minimum turf disruption and fast installation.

Consider these advantages:

- Narrow 4" wide trench
- No gravel required
- Up to 500 foot coils
- High density polyethylene
- Complete selection of fittings
- Unrestricted flow with a high strength core
- Typar geotextile materials for sensitive soils
- Quick installation
- Lower cost
- And, it's a pipe!

Advanced Drainage Systems Inc., has served the grounds maintenance industry for over 20 years. Try our new AdvanEDGE® Pipe for your next drainage project. We feel you will agree . . . there are grounds for consideration!



CORPORATE OFFICE • 3300 RIVERSIDE DRIVE • COLUMBUS, OHIO • (IN OHIO) (614) 457-3051 • (800) 848-8195

Circle 103 on Postage Free Card

Look at it this way.

Is there really any other choice in grub control?

CHIPCO® SEVIN® brand SL carbaryl insecticide consistently demonstrates effective control of the most damaging species of white grubs. Plus control of 29 other destructive turf pests—including sod webworms, chinch bugs and bluegrass billbugs. It even provides dependable control of more than 86 insects known to attack trees, shrubs and ornamentals.

And CHIPCO® SEVIN® brand SL carbaryl insecticide gives you all this control at a cost of only about one dollar per 1,000 sq. ft. But the advantages don't stop there. CHIPCO® SEVIN® brand SL carbaryl insecticide is ideal for control of nuisance pests such

as ants, fleas, ticks and mosquitoes that thrive around the perimeters of your course. And it's easy to apply. There's no need for special protective clothing, no odor, and play can be resumed as soon as the spray has dried. CHIPCO® SEVIN® brand SL carbaryl insecticide is low in toxicity to fish, and other formulations of SEVIN® brand are used for control of pests on household pets, poultry and some game birds.

When you add it all up, is there really any other choice in grub control?



Chipco® Sevin® SL

Brand Carbaryl Insecticide



As with any crop protection chemical, always read and follow instructions on the label. CHIPCO is a registered trademark of Rhone-Poulenc. © 1989 Rhone-Poulenc Ag Company
CHIPCO SEVIN is a registered trademark of Rhone-Poulenc for carbaryl insecticide.

Circle 106 on Postage Free Card

Arid

Turf-Type Tall Fescue rated #1 four consecutive years.



Nationwide testing at 41 sites of turf-type tall fescues place ARID as #1, and the first choice for athletic fields, parks, playgrounds and public area lawns.

Nationwide testing gives Arid the lead.

Mean Turfgrass Quality Ratings of Tall Fescue Cultivars At Four Shade Locations in the United States

| Name | Mean |
|------------|------|
| Arid | 6.0 |
| Finelawn I | 5.6 |
| Trident | 5.4 |
| Pacer | 5.3 |
| Mustang | 5.3 |
| Apache | 5.2 |
| Tempo | 5.1 |
| KY-31 | 5.0 |
| Falcon | 5.0 |
| Hounddog | 5.0 |
| Adventure | 4.9 |
| Jaguar | 4.9 |
| Bonanza | 4.8 |
| Olympic | 4.8 |
| Maverick | 4.7 |
| Willamette | 4.6 |
| Rebel | 4.5 |
| Clemfine | 4.4 |
| Brookston | 4.4 |
| Johnstone | 4.0 |
| Kenhy | 3.4 |

Data from USDA National Turfgrass Evaluation Program

Drought Tolerance (Dormancy) Ratings of Tall Fescue Cultivars

| Name | Mean | Name | Mean |
|--------------|------|------------|------|
| Arid | 7.7 | Chesapeake | 5.7 |
| Olympic | 7.7 | Tempo | 5.3 |
| Apache | 7.3 | Hounddog | 5.0 |
| Jaguar | 7.3 | Pacer | 5.0 |
| Finelawn I | 6.3 | Johnstone | 5.0 |
| Mustang | 6.3 | Kenhy | 5.0 |
| Rebel | 6.3 | Maverick | 5.0 |
| Bonanza | 6.0 | Brookston | 4.3 |
| KY-31 | 6.0 | Clemfine | 4.3 |
| Adventure | 5.7 | Trident | 3.7 |
| Falcon | 5.7 | Willamette | 3.3 |
| Finelawn 5GL | 5.7 | | |

Data from USDA National Turfgrass Evaluation Program

Brown Patch Ratings of Tall Fescue Cultivars

| Name | Mean |
|--------------|------|
| Arid | 6.3 |
| Adventure | 6.2 |
| Jaguar | 6.1 |
| Rebel | 6.0 |
| Pacer | 5.9 |
| Maverick | 5.8 |
| Falcon | 5.8 |
| Clemfine | 5.7 |
| Apache | 5.6 |
| Tempo | 5.6 |
| Olympic | 5.6 |
| Hounddog | 5.6 |
| Chesapeake | 5.5 |
| Finelawn 5GL | 5.5 |
| KY-31 | 5.5 |
| Mustang | 5.5 |
| Bonanza | 5.5 |
| Trident | 5.5 |
| Johnstone | 5.5 |
| Finelawn I | 5.3 |
| Kenhy | 5.0 |
| Willamette | 4.9 |
| Brookston | 4.3 |

Data from USDA National Turfgrass Evaluation Program

Be sure to order Arid from your seed wholesaler or sod distributor.

Another fine, quality-controlled product of
Jacklin Seed Company

Circle 114 on Postage Free Card