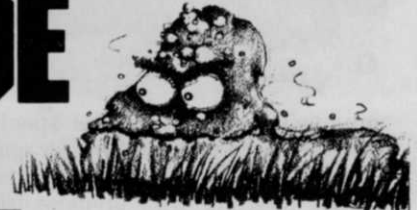


NORTHRUP KING PRESENTS

THE HEAVY TRAFFIC, CLEAN MOWING, SALT TOLERANT, DISEASE FIGHTING, SUN-TO-SHADE GRASS SEED.



No one grass seed combines every characteristic for every type of turf. That's why Northrup King research has developed a complete line of Medalist Turf Products to meet specialized professional needs.

MEDALIST TURF PRODUCT	MAJOR AREAS OF USE	SPECIAL FEATURES
Athletic Pro Mix	High maintenance athletic turf	Both are well suited for new seeding or overseeding. Fast establishing, excellent traffic tolerance, and rapid recovery. Provides good footing.
Athletic Pro II Mix	Low to moderate maintenance athletic turf.	
Boulevard Mix	Any area with high pH (roadsides, sidewalks, boulevards, beachfronts, etc.)	Contains both "Fults" <i>Puccinellia distans</i> and Dawson red fescue which thrive on high saline or alkaline soils. Performs at low to high fertility levels.
Landscape Pro Mix	School grounds, cemeteries, golf course roughs, lawns	Fast establishing. Adapts to broad range of conditions and management levels. Low to moderate fertility requirements.
Overseeder II Mix	Fairways, tees, athletic fields	Fast establishing, traffic tolerant, disease resistant, penetrates compacted soil.
Medalist North Mix	Fairways, tees, cart paths, wear areas	Long term quality in high traffic areas. Clean mowing and disease tolerant.
Premium Sod Blend	Commercial sod producers	Fast establishing, exceptional dark green color, shade tolerant, superior disease resistance.
Special Park Mix	Parks, commercial developments, lawns	Low fertility tolerance, shade tolerant, adapts to wide range of soil types.

Ask your Northrup King distributor about the Medalist Turf Products for your needs. Or write Northrup King Medalist Turf Products, P.O. Box 959, Minneapolis, MN 55440.



Circle No. 142 on Reader Inquiry Card

PRODUCTS

OMC introduces new Grass Caddy

Cushman Omc Lincoln has introduced a new Grass Caddy grass catcher for its out-front mower, Front Line.

The Grass Caddy features a 16-bushel hopper and chute made of durable cross-linked polyolefin. It



mounts to the side of the special-design 60-inch deck and tractor opposite the trimming side of the deck so it doesn't interfere with up-close trimming. The Grass Caddy also features a window in the hopper door, so the operator can view it filling.

The dumping system is hydraulical-

ly operated from the driver's seat, and there is no separate blower to maintain. The operator can dump clippings into a container or pick-up bed with 4½-foot sides. The chute folds over the mower deck for ease of cleaning.

The Cushman Front Line is available with a choice of power plants: 18 hp OMC gas engine or a 17 hp diesel. Optional accessories include snowthrower, rotary brush, ROPS, cab and rear discharge deck in addition to the new Grass Caddy.

Circle No. 170 on Reader Inquiry Card

Super Wet increases water penetration

W.A. Cleary Chemical Corporation has begun marketing a new Super Wet wetting agent, a product to help the professional turf manager increase water penetration in heavily thatched and compacted soil areas, resulting in lower water requirements and more effective pesticide and fertilizer applications. Test results show that this solution more than doubles water penetration, surpassing nearly every other wetting agent on the market. Su-

per Wet is a non-phytotoxic when used as directed and prevents dew formation on treated areas.

Circle No. 171 on Reader Inquiry Card

Brouwer sod cutter features "split blade"

Brouwer Turf Equipment's newest addition to its product line, the sod cutter, Model 10, features a 13 inch cutting



width and ½ inch to 1½ inch depth of cut. New "split-blade" cutting concept reduces vibration and increases traction and cutting efficiency. The machine is lightweight, weighing only 195 pounds and requires only a 5 hp en-

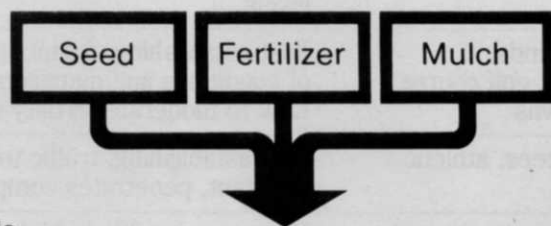
Continued on page 86

In your efforts to grow grass, do you find yourself grasping at straws?

Hydro Mulch® Fibers offer a more efficient seeding method than straw.

And there are several good reasons why. Straw mulching is no longer such a "low cost" seeding system. Not in most of today's projects. Too much time is spent in multiple application steps. And straw is difficult to apply. Even in a moderate breeze, it can blow away, during application, and after application—before any tackifier is laid down. As a result, straw spreads unevenly, leaving areas unprotected.

Hydraulic mulching with Hydro Mulch® fibers is an alternative that keeps your total installed costs down. A one step turf establishment process that works. On every type of terrain. And the seeded area will sprout



the kind of good results you demand from a mulch.

For complete information on hydraulic mulching with Hydro Mulch® fibers, contact Conwed Corporation, Fibers Division, P.O. Box 43237, St. Paul, MN 55164-0237, or phone (612) 221-1190.

CONWED

innovative products
for better environments



Hydro Mulch® fibers. A one step turf establishment method that works on every type of terrain.

Circle No. 107 on Reader Inquiry Card

READER SERVICE INFORMATION CARD 5-83 2

For more information on products or services mentioned in this issue, circle the corresponding numbers below, fill in appropriate information and mail today.

101	108	115	122	129	136	143	150	157	164	171	178	185	192	199	206	213	220	227	234
102	109	116	123	130	137	144	151	158	165	172	179	186	193	200	207	214	221	228	235
103	110	117	124	131	138	145	152	159	166	173	180	187	194	201	208	215	222	229	236
104	111	118	125	132	139	146	153	160	167	174	181	188	195	202	209	216	223	230	237
105	112	119	126	133	140	147	154	161	168	175	182	189	196	203	210	217	224	231	238
106	113	120	127	134	141	148	155	162	169	176	183	190	197	204	211	218	225	232	239
107	114	121	128	135	142	149	156	163	170	177	184	191	198	205	212	219	226	233	240

MY PRIMARY BUSINESS AT THIS LOCATION IS:
(PLEASE CHECK ONE ONLY IN EITHER A, B OR C)

A. LANDSCAPING/GROUND CARE AT ONE OF THE 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) _____

B. CONTRACTORS/SERVICE COMPANIES/CONSULTANTS:

- 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) _____

YOUR NAME _____

BUSINESS NAME _____ BUSINESS ADDRESS _____

CITY _____ STATE _____ ZIP _____ TELEPHONE (____) _____

AREA CODE

I WISH TO RECEIVE (CONTINUE RECEIVING) WEEDS, TREES & TURF EACH MONTH YES NO

SIGNATURE _____ DATE _____

Circle the Reader Service numbers of those items of interest to you.



BUSINESS REPLY CARD

FIRST CLASS PERMIT NO. 665 DULUTH, MINNESOTA

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READER SERVICE DEPARTMENT

WEEDS TREES & TURF

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HBJ PUBLICATIONS does a better job of reaching those who count (*your potential customers*) than any other business publisher.

Magazine	Circulation	Magazine	Circulation
Beverage Industry	22,000	Industrial Education	46,594
Body Fashions/Intimate Apparel	10,162	LP/Gas	14,684
Candy & Snack Industry	3,500	Lawn Care Industry	12,310
Dairy Field	18,134	Neurology	13,069
Dental Laboratory Review	17,297	Paperboard Packaging	12,111
Dental Management	100,005	Paper Sales	12,592
Drug & Cosmetic Industry	9,929	Pest Control	14,684
Flooring	22,241	Professional Remodeling	36,627
Food & Drug Packaging	54,853	Quick Frozen Foods	20,785
Food Management	50,077	Rent All	11,139
Hearing Instruments	17,095	Roofing/Siding/Insulation	18,310
Home & Auto	22,228	Snack Food	9,138
Hotel & Motel Management	36,061	Toys Hobbies & Crafts	13,982
Housewares	12,863	Weeds Trees & Turf	43,041

Don't forget that classified advertising works just as effectively in locating employees as it does if you are looking for a position, have a line, machinery or a business to sell, are seeking representatives or wish to buy a specific item. Let it go to work for you!

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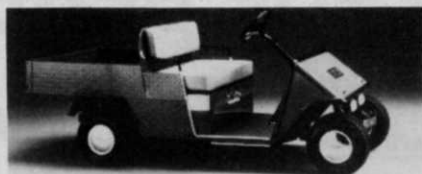
Call Dawn Anderson at 218-727-8511

gine for less fuel consumption and reduced operating costs. The machine has folding handles and kick stand for easy and stable transporting and storage. Model 10 is ideal for landscapers, golf courses, parks, cemeteries, utilities and rental outlets.

Circle No. 172 on Reader Inquiry Card

Light turf vehicle fills golf car gap

E-Z-Go's Light Turf Vehicle, GX-800, is engineered to serve as a utility run-



about when a truck is too large. "Because of its weight distribution and special trend design, the GX-800 can be driven right onto the grass, without worries about harming a painstakingly-maintained surface," reports Ron Patterson, E-Z-Go president. With a

payload of 800 pounds, the car literally hauls its own weight, and has rear bed capacity of almost ten cubic feet.

Circle No. 173 on Reader Inquiry Card

New Cozy Cabs for Deere 420 and 318s

Cozy Cab comfort and protection is available now in all-new, sturdy steel designs for John Deere 420 and 318 garden tractors. Cabs are painted to match John Deere green. One-piece safety glass windshield gives a clear view all around and swings open for easy access to the engine. The rear



window also swings out and is removable, just like the two side doors. Floor mat and vinyl-padded roof add to sound-conditioned comfort for operator. Seat belt is included. Options include yellow flashers, defroster fan and wiper. Rops-tested Cozy Cabs meet OSHA standards for 20 hp tractors. Cozy Cabs will continue to offer its present cabs for 200,300, 400 John Deere tractors.

Circle No. 174 on Reader Inquiry Card

Wherever you go,
Lebanon Lawn Care Products
 keep you and
 your customer
 in the green!



Country Club® GREENS_{KEEPER} GREEN GOLD
 Complete: Time Tested - Time Proven...

There is a "LEBANON" Professional Turf Care Product for all your turf care needs. "COUNTRY CLUB", "GREENSKEEPER" and "GREEN GOLD" are names you can trust to help grow stronger, more vigorous turf—*Consistently & Economically!*

"LEBANON'S" crabgrass control and weed control chemicals in combination with our premium fertilizers are designed to give *maximum results with minimum labor*. Quality lawn care and maintenance of clean, attractive landscapes for business, recreation or the home is more *efficient and economical* with "LEBANON" Turf Care Products—*Formulated for your local needs and growing conditions.*

Call for information today.
 Midwest (800) 637-2101
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 Northeast (800) 233-0628
 (Pennsylvania) (717) 273-1687



Lebanon Chemical Corporation
 Lebanon, Pa. 17042

Circle No. 162 on Reader Inquiry Card

Handy pocket guide to cure turf ills

"Picture Clues To Turfgrass Problems" is a laminated, pocket-sized publication containing color photographs on thirty-seven pages of turfgrass insects, diseases and cultural problems with explanations for diagnosing them.

Funds from members of the Long Island Turfgrass Advisory Industry were used to urge Cornell Cooperative Extension of Nassau County to revise a similar publication from the 1960's.

The guide, which is recommended for sales personnel and landscape crews, sells for \$5 plus postage and can

Continued on page 88



COUNT THE YEARS OF DAVEY TREE EXPERIENCE.

Davey Tree is the world's original tree care specialist. We've been "keeping America green for 73 years."

Davey Tree is also the world's largest tree care specialist. Mainly because we've built a reputation for top quality work at reasonable costs.

This means we can offer you a full range of services for commercial and municipal properties.

Pruning, feeding, insect control, and tree surgery done by highly trained people using specialized equipment.

What's more, other tree companies can't match many of these services:

Our arborists are trained at the Davey Institute of Tree Sciences in Kent, Ohio.

A staff of entomologists, agronomists, and plant pathologists at no additional charge.

Patented ARBOR-GREEN® tree fertilizer with a two-year formula, available only from Davey.

And comprehensive insurance that fully protects our employees as well as public property.

In addition, we offer lawn fertilization and weed control through the Davey Lawnscape Division.

Another nice thing, Davey will work with you to help develop budgets, surveys, and

specifications for your new or on-going tree care program.

For a free consultation, look us up in the Yellow Pages under "Tree Service." Or write to: Donald J. Shope, VP Tree Care Services, Davey Tree, 117 S. Water St., Kent, Ohio 44240.

Davey Tree. Our 73 years of experience is the one thing you can count on for all your tree care needs.

DAVEY TREE
Kent, Ohio • Coast to Coast and Canada
Keeping America Green Since 1909.



be purchased from Cooperative Extension of Nassau County, 1425 Old Country Road, Building J, Plainview, New York 11803.

Circle No. 175 on Reader Inquiry Card

Herbicide controls broadleaf weeds

According to Rhone-Poulenc Agrochemical Div. marketing manager Lionel Wells, Buctril® herbicide controls a

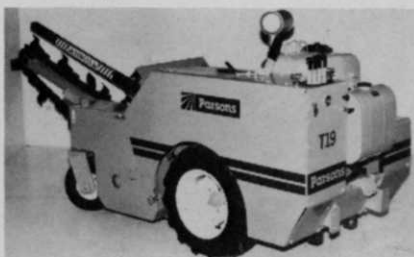


wide variety of broadleaf weeds on established turf including bentgrasses, Kentucky bluegrass, fescues, ryegrass, Bermudagrass and St. Augustinegrass. "Buctril herbicide is a contact weed killer that controls weeds more quickly than most other available selective turf herbicides, and is very effective against prostrate spurge, a hard-to-control turf weed," says Wells.

Circle No. 176 on Reader Inquiry Card

Parsons has steerable walk along trencher

Parsons Company of Milwaukee, WI, is offering the T-19, a new steerable



walk-behind-type trencher for the rental and light construction market. Features include 18 hp Wisconsin TJD engine, full circle front caster wheel for exceptional maneuverability, hy-

draulic traction drive, hydraulic boom lift. Options include backfill blade, boring unit and crumber attachment. A 35-inch width for backyard gates is a special feature.

Circle No. 177 on Reader Inquiry Card

Rubigan controls 5 turf diseases

Rubigan fungicide from Elanco controls dollar spot, snow mold, stripe smut, Fusarium blight and large brown patch. Turf diseases are cured even after significant injury to existing fields and grass also recovers more quickly. Rubigan penetrates quickly into leaf tissue and moves upward with the transpirational stream. While the spray is drying, the active ingredient moves inside the plant where it cannot be washed off.

Circle No. 178 on Reader Inquiry Card

Accu-Gage judges height of cut

Accu-Gage from Precision Tool Products Co., Clinton, MI, is a precision measuring instrument for making highly accurate height-of-cut adjust-

Continued on page 90

Daconil 2787® Green Tag Sweepstakes

Better order now to better your chances of winning.

The Daconil 2787 Green Tag Sweepstakes begins January 1 and ends May 31, 1983. During this time, there will be a green tag on every case of Daconil 2787 fungicide. It's your entry blank for the Green Tag Sweepstakes.

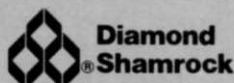
So the more cases you purchase, the more entries you can send in. And the better your chances of winning valuable prizes for your company or club.

Grand Prize — A Motorola Maxair Base Station FM, 2-way Mobile Radio

10 First Prizes — Set of Cobra, 6-channel Walkie-Talkies

100 Second Prizes — Taylor Weather Station

For more information, contact your Diamond Shamrock chemical dealer.



Agricultural Chemicals Division
Diamond Shamrock Corporation
1100 Superior Avenue
Cleveland, Ohio 44114

Circle No. 111 on Reader Inquiry Card

Change spray tips clean strainers in seconds... without tools!

New QuickJet system



Model QJ 1/4 TT
For Wet Booms

QJ100 Series
For Dry Booms

QJ200 Series
For Dry Booms

New QuickJet System minimizes your service time and helps assure accurate delivery. The self-aligning quick "on/off" cap can be used with all interchangeable spray tips. The caps are available in 8 colors for color-coding different tip sizes.

QUICKJETS SAVE TIME AND MONEY.

Send for QuickJet bulletin and data sheets.



Spraying Systems Co.

Wheaton, IL 60187 Telephone 312/665-5000
Circle No. 153 on Reader Inquiry Card

Now, get the Kalo Backpack Sprayer for only \$119.95!

Designed for professionals.

Order direct and save.

Light yet tough

The Kalo Backpack Sprayer weighs only 8.8 lbs. because it's constructed of molded UV stabilized polypropylene, specially selected for its lightness of weight, rugged durability, and chemical resistance.

Portable yet versatile

Anywhere you can walk you can take the Kalo Backpack Sprayer. Contoured back and fully adjustable shoulder straps assure maximum comfort and fit, even during long periods of use. Tank holds up to 5 gal. of liquid. Three separate nozzles are included as standard equipment—the hollow cone nozzle for insecticides and fungicides, the flood jet nozzle for liquid fertilizer, and the fan spray nozzle for weed killers and general spraying applications.

Easy to use

Just fill, pump, and spray. Wide neck and basket strainer make filling easy. Clean-up is quick—takes only minutes. Lever-action diaphragm pump can be altered for either left or right hand operation, incorporates a relief valve and working pressure adjustment to give you pressures of 15 to 45 p.s.i. with uniform output and maximum flowrate of more than 1 gal. per minute. The spray lance is fitted with a trigger valve for precise application and has a removable filter for fast clean-up.

Money back guarantee

Test the Kalo Backpack Sprayer with plain water. If not completely satisfied, return within 10 days and the full price of your purchase will be refunded.

Order now

Send your check or money order for \$119.95 direct to Kalo at the address below. Your order will be rushed to you by U.P.S. Visa or MasterCard holders, use our toll free number for fast action. (Kansas residents add 3% sales tax, Illinois residents, 5%.)

Call toll free 1-800-255-5256

(In Kansas, call 913-649-5525)

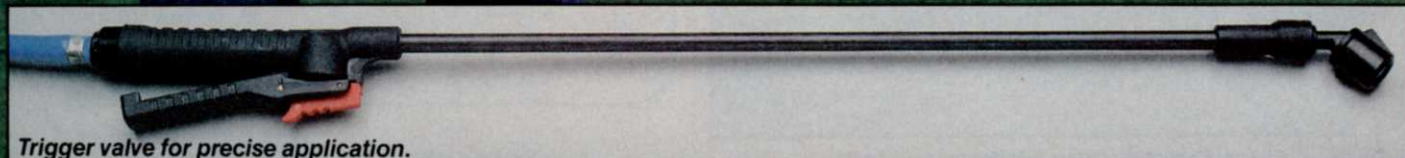


Agricultural Chemicals, Inc.
4550 West 109th
Overland Park, Kansas 66211

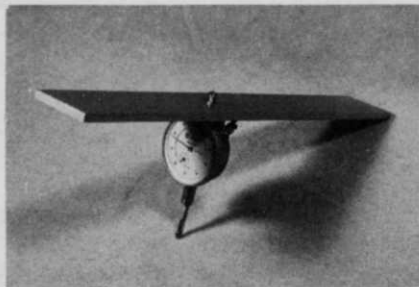
Easy to pump. Easy-to-read volume gauge.



Three special nozzles.



Trigger valve for precise application.



ments on greensmowers or other precision mowers. By incorporating a dial indicator with a unique adjusting bar apparatus, highly accurate measurements can be made at the cutting edge of the bedknife (to .001 inch), virtually eliminating operator error in both setting of the adjustment bar and the mower.

Circle No. 179 on Reader Inquiry Card

Solve landscape problems with Trevira

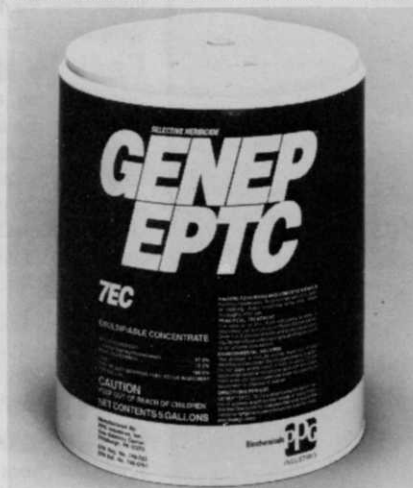
Trevira Spunbond engineering fabric is an effective tool in solving problems of landscape architects. Trevira has been successfully utilized in applications involving access road stabilization, erosion control, asphalt concrete overlays and drainage control.

Hoechst Fibers suggests usage as pond liners, soil separators for turf blocks, walkways and vertical drainage in grassed areas.

Circle No. 180 on Reader Inquiry Card

Herbicide enhances crop yields

GENEP EPTC selective herbicide from PPG Industries, which controls weeds to enhance yields of vegetables, fruits and ornamentals, has received



EPA registration. According to Thomas C. Zininger, biochemicals business manager of PPG Industries' Agricultural and Performance Chemical Division, the product can protect more than 20 crops from broadleaf weeds and grasses.

"GENEP EPTC herbicide has low application rates, making it economical to use, and it acts quickly, with no carry-over residues to bother rotation crops," Zininger said. The herbicide allows a variety of application methods for various regions, and can be blended with fluid fertilizers to enhance yields or with other herbicides for broader control.

Circle No. 181 on Reader Inquiry Card

Ransome mower with three cutting widths

Ransomes crew of self-propelled rotary mowers offer three different cutting widths to meet specific job needs. The mid-size mower is available in 32 inch, 36 inch or 48 inch cutting deck widths.

All three models feature 11 hp Briggs & Stratton engines, variable speed drive pulley, 8 quart fuel tank and power hand grips which control

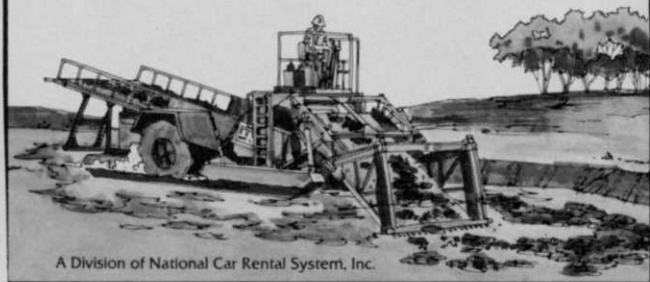
Continued on page 92

Clean Up Lakes, Ponds, River Fronts

Mud Cat's Aquatic Weed Harvester restores ecological balance through fast, efficient removal of both floating and submerged weeds. Independently controlled paddle wheels permit easy maneuvering, resist clogging in heaviest weed beds. Unit operates in inches of water to cut close to shore. Easily moved from job to job on trailers rated for highway speeds. Available in cutting swaths to 8 feet, operating depths to 5 feet, capacities to 660 cubic feet. Optional shore off-loading conveyor unit permits faster turnaround.



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A Division of National Car Rental System, Inc.

Circle No. 140 on Reader Inquiry Card



Lawn Genie pick-up mower



Saves work all year 'round

- Spring - Thatches, renovates and picks up in one pass
- Summer - Mows and loads clippings in quick-dump hopper
- Fall - cleans up leaves, twigs and trash

Change mowing or thatching blades in seconds with M-C's patented hanger design.

Four cutting widths from 36" to 72", engine driven or P.T.O.

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Iron Horse Quality Equipment

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