

USS Vertagreen 17-0-8 with Balan... We'll help you weed and feed!



Your local USS Vertagreen distributor has a proven fertilizer for professional turf that performs two jobs at once. USS Vertagreen 17-0-8 with Balan gives your fairways a healthy shot of quick-acting nitrogen — and the supply continues because 25% of the nitrogen is derived from urea-formaldehyde. It also controls Poa Annuua, crabgrass, goose grass, water grass and foxtail — thanks to Balan, the highly effec-

tive pre-emergence herbicide.

This versatile and economical product contains sulfate of potash for lush, green color and is rounded out with vital secondary and micro-nutrients including chelated iron. USS Vertagreen with Balan is another reason we say, "see the best, for the best" — and that's your local Vertagreen distributor. He can help you weed *and* feed.

Best Products! / Best People!

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MEMBER INPUT KEY TO SUCCESS

It is a real honor and privilege for me to serve as your president for the coming year. I will try to do the job you have elected me to do but will need your support and help, starting right away.

There are a couple of projects for all of us to work on. Warren has entered our HOLE NOTES in the National Association Newsletter contest this coming year and would like to go to San Antonio next year and accept the award. We all know there has been a marked improvement in our publication but we can do more. Member input is very important so share ideas you have or use material you feel would be of interest to all. The main reason for the HOLE NOTES is to keep our members informed. So let's all try to keep the HOLE NOTES informed!


Many of you have been concerned about the standard operating procedure concerning job referrals. Your Board of Directors will be working on this problem during the coming month and will publish the details once they have been worked out. We do know that as soon as a job opening has been referred to us, and all ethical procedures have been followed, you will receive an immediate separate mailing advising you of the details. This will help us maintain the high integrity of our profession which we have all worked hard to achieve.

Below you will find a list of committee chairmen for the coming year. As I said earlier, member participation is so important. If you have specific ideas or thoughts as to what you would like to see each committee do, please do not hold back. Only by knowing what the membership needs and wants can we do a better job. So, please, if you are asked to be a committee member, try to do your part. Instead of being critical as to what was done, let's try to change this to what we will do.

I feel that by all of us working together, learning from one another and sharing with one another, we can do bigger and better things. Let's make this the best year ever.

HAPPY NEW YEAR TO ALL!

Sincerely,



Jim Lindblad

1977 COMMITTEE APPOINTMENTS

NOMINATING COMMITTEE

Chairman: Dean Sime
Rich Rannels

BYLAWS COMMITTEE

Chairman: John Lightfoot

FINANCE COMMITTEE

Chairman: George Ostler

MEMBERSHIP COMMITTEE

Chairman: Dick DeSplinter

EDITORIAL COMMITTEE

Chairman: Keith Scott
George Jennrich, Jim Lindblad
George Ostler

EDUCATION COMMITTEE

Chairman: Carl Johnston
Tom Brown, Doug Dieter,
Dennis Hendrickson

HISTORIAN

Chairman: George Jennrich

PUBLIC RELATIONS

Chairman: Jim Lindblad
Keith Scott, Jon Heimsness

ARRANGEMENTS COMMITTEE

Chairman: Larry Mueller

ENTERTAINMENT COMMITTEE

Chairmen: Roger Kisch and Dan Evavold

TOURNAMENT COMMITTEE

Chairman: Nick Dunn

SCHOLARSHIP, ECOLOGY & RESEARCH COMMITTEE

Chairman: Keith Scott
Jerry Murphy, Nick Dunn

O.S.H.A. COMMITTEE

Chairman: Dick Grundstrom

STILLWATER COMMITTEE

Chairman: Jerry Murphy
Dick Grundstrom

ANNUAL CONFERENCE COMMITTEE (COMBINED

EDUCATION, ARRANGEMENTS & ENTERTAINMENT)
Chairman: Carl Johnston

TURF CONFERENCE WRAP-UP

Recognized as the most important annual forum of the area for superintendents, the conference drew 142 people. The educational program featured outstanding superintendents, researchers, educators and distributors.

In addition to the educational materials presented, the annual conference offered the opportunity to meet and compare notes with other area superintendents.

There are many people who contributed to the success of this conference. I wish to express and offer a very special thank you to the following people: Registration - Jerry Commers, Cushman Motor Company, Inc.; Russ Rose, Ryan Equipment; Gordy Miller, R. L. Gould & Company; Milt Wiley, M.T. Wiley, Inc.; Jack Kolb, Turf Supply Company; Mike Redmond, O.M. Scott & Sons; Kent Kromer, Kromer Company; Mike Milosovich, Long Lake Ford; John Sniker, Reed's Sales & Service. Session Chairmen - Tom Brown, Somerset Country Club; Doug Dieter, Brookview Country Club; John Lightfoot, Cloquet Country Club. Thinking Superintendents - Nick Dunn, Hazeltine National Golf Club; David Holler, C.G.C.S. Gulph Mills Golf Club; Roger Kisch, Southview Country Club; George Ostler, Hillcrest Country Club; Rich Rannells, Golden Valley Country Club; Dean Sime, Interlachen Country Club. Arrangements - George Jennrich, Woodhill Country Club. Entertainment - Roger Kisch, Southview Country Club and Larry Mueller, Minnesota Valley Country Club. Education - Dennis Hendrickson, Honeywell Country Club and Doug Dieter, Brookview Country Club. Speakers & Researchers - Dr. George Blake, Soils Department, U of M; Mervin Eisel, U of M Landscape Arboretum; Dr. David French, Department of Plant Pathology, U of M; David Holler, CGCS, G.C.S.A.A. Director, Gulph Mills Golf Club, King of Prussia, Pa.; Donald Maske, Tuco Division of the Upjohn Co.; Carl Schwartzkopf, U.S.G.A. Green Section, Mid-Continent Director; Dr. Ward Stienstra, Department of Plant Pathology, U of M; Dr. Donald White, Department of Horticulture, U of M; Charles Wilson, Director of Agronomy and Marketing, Sewerage Commission of the City of Milwaukee.

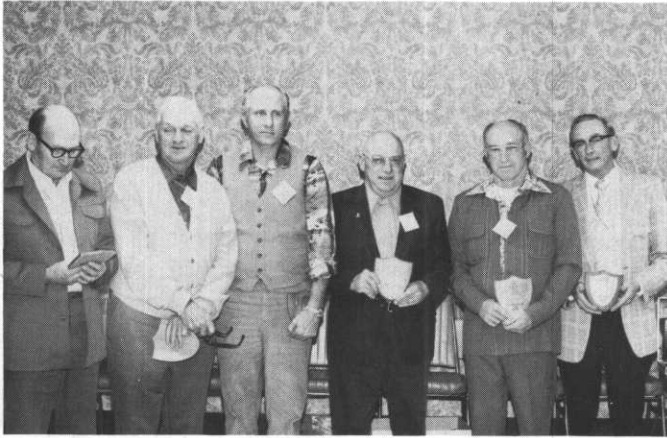
Again thanks to all for an excellent program.

For those who missed the conference, the following is a recap of the conference program:

- "Turf Grass Reflections". Charles Wilson reflected on how turf maintenance procedures have changed from past to present.
- "E.P.A. and the Manufacturer". Donald Maske told of problems encountered by the manufacturer in making new materials available to the superintendent.
- "Trees for the Golf Course". Mervin Eisel gave us information on different species of trees and shrubs for golf course plantings.
- "Minnesota Snow Mold Story". To provide the superintendent better selections of chemical controls, Dr. Ward Stienstra gave the audience a fact sheet that showed the results of testing chemicals.
- "The G.C.S.A.A. and You". David C. Holler discussed the association, how to use it and possible direction of the association.
- "Grass Hardiness in Minnesota". Dr. Donald White gave insight as to how grass hardiness changes with the varying conditions during Minnesota seasons.
- "Helpful Hints in Growing and Maintaining Turf". Carl Scharwtzkopf gave helpful hints for solving a variety of problems encountered in golf course maintenance.
- "Golf Course Soils Management". Dr. George Blake gave interesting information about soil moisture and turf requirements in Minnesota. "Water when the grass needs it".
- "Dutch Elm Disease". Dr. David French provided much needed information about controlling Dutch Elm Disease through chemical control as well as control through pruning.

Dick DeSplinter
Conference Chairman

ACTION AT THE CONFERENCE



CAN YOU NAME THEM? Pictured are the recipients of the 25 Year Award plaques who were present at the Annual Meeting.



PLEASURABLE MOMENT. G.C.S.A.A. National Director David Holler, right, awards scholarship to Doug Mahal of Interlachen Country Club.



RESEARCH CHECK. \$2,000.00 moves from Jim Lindblad, left, to Dr. Ward Stienstra to finance the 1977 Turf Research Program at the U of M.



FRESHMAN DIRECTORS. Carl Johnston, left, and Larry Mueller are eager, newly elected directors.

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THE LINE-UP. Not guilty, yet! The new officers for 1977, left to right, G. Jenrich, Sec.; K. Scott, V.P.; J. Lindblad, Pres.; G. Ostler, Treas.

Evaluation of Snow Mold Fungicides - 76

Ward C. Stienstra
Associate Professor and Extension Specialist
Turf Pathology University of Minnesota

Snow Mold in Minnesota is caused by a complex of low temperature fungi. We know that at least two species of Typhula are present in the entire state. In addition to the previous report of Fusarium nivale, Sclerotinia borealis is common in the northern section. The Typhula species are Typhula incarnata and Typhula ishkariensis.

The testing of registered and experimental compounds at the St. Paul Campus location and in test plots throughout the state was begun in cooperation with the Minnesota Golf Course Superintendents Association in 1971. Research plot data and field observation indicate that Typhula incarnata is the easiest organism to control while Typhula ishkariensis is not as easy to control. Further that Sclerotinia borealis is not controlled by the same treatments that control the Typhula species. Fusarium nivale, although present in the state, has seldom been a problem in the turf snow mold research plots. Damage has been observed from Fusarium nivale prior to establishment of snow mold plots, but not during the snow mold plot season. The goal and purpose of this program is to test and evaluate snow mold control materials and recommend disease control programs. Appreciation is expressed to the superintendents who have provided test plot areas and the Department of Horticulture for maintenance of the St. Paul campus test plot. The following companies have also assisted this research effort: Mallinckrodt Chemical Works, E. I. du Pont de Nemours and Company, Inc., Rhodia Chemical Company, The Upjohn Company and Scotts Company.

Materials and Methods

Snow mold control trials were conducted at seven locations in Minnesota where Typhula incited snow mold is common and difficult to control. The northern locations also have Sclerotinia borealis which responds to snow mold control chemicals somewhat differently. Primary emphasis was on chloroneb (Tersan SP), Pentachloronitrobenzene (PCNB) and Mercury (Caloclor) or combinations containing these compounds. The investigations reported here were conducted on golf green nurseries or golf practice putting greens and in one case, on a fairway bent grass turf. The golf greens and putting greens were maintained at approximately 3/16's inch height of cut. Experimental plot design was a completely randomized block with four replications. Each fungicide plot measured 4 x 11 feet. Fungicides were applied in 5 gallons of water per thousand feet square using a carbon dioxide powered wheel mounted boom sprayer at 40 PSI pressure. Treatments were made at Bemidji 10-15, Roseau 10-17, Duluth 10-22, Mendota 10-29, Rochester 11-5, St. Paul Campus 11-10 through 12 and Minneapolis 11-17. Data were recorded as percent of plot area diseased, averaged together and statistically analyzed.

The 1975-1976 winter season was one that will be remembered for a long time as many golf greens did not survive the winter. The winter disease research program was also affected by this "winter kill". No meaningful data was recorded at five of the seven locations and one plot was read so early in the season (February 27) that little confidence can be placed in the data.

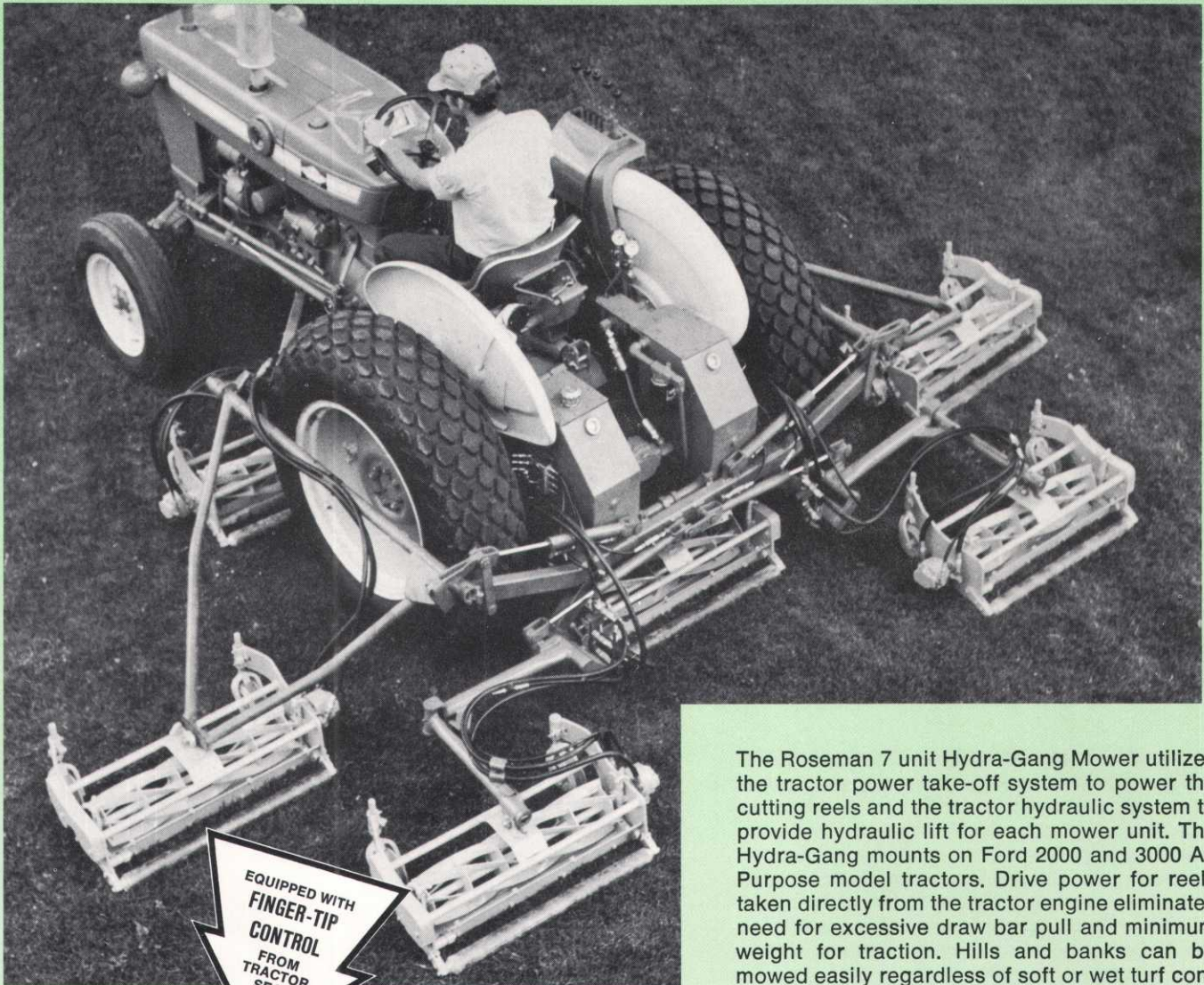
The test plot at Duluth was the one bright spot for this pathologist. The check plots averaged nearly 90% disease and the other treatments were well spread out. Fifteen significant subsets were recorded i.e., no statistical difference in treatments followed by a common letter. In general, combinations again performed better than any other single material. Combinations of fungicides with fertilizers did not improve disease control but growth responses were evident. The color and amount of growth indicate late fall fertilization may improve spring growth and thus hasten healing.



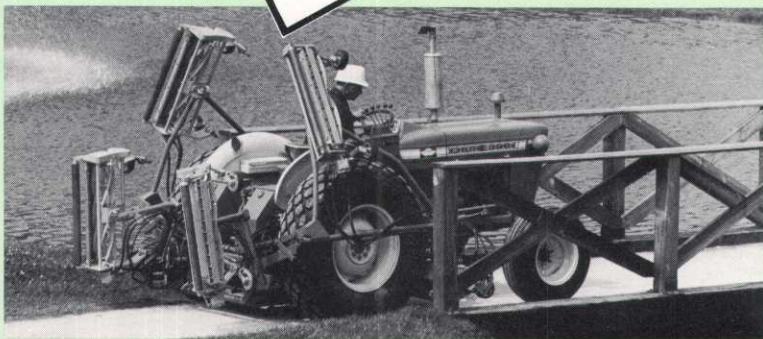
ROSEMAN HYDRA-GANG



7-Gang Hydraulic Power Driven Reel Mower



EQUIPPED WITH
FINGER-TIP
CONTROL
FROM
TRACTOR
SEAT



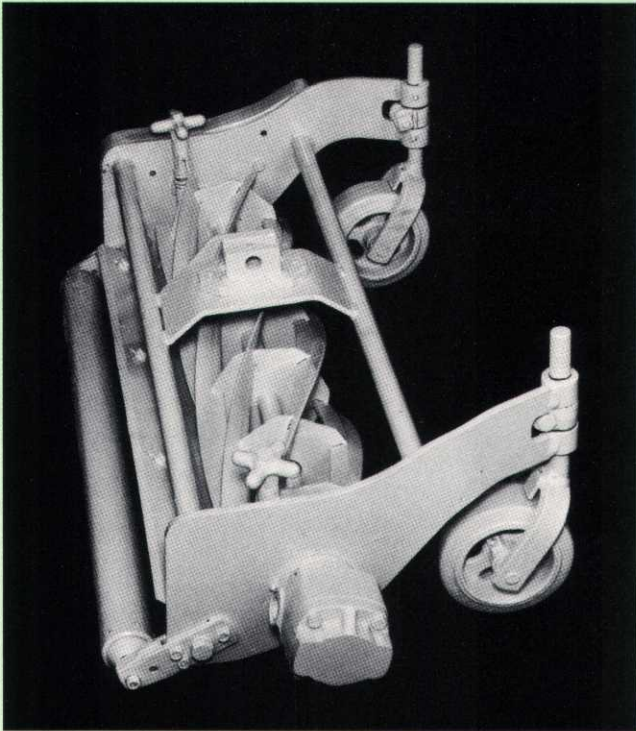
From operator's position all mowers are quickly raised to 8' transport width.

The Roseman 7 unit Hydra-Gang Mower utilizes the tractor power take-off system to power the cutting reels and the tractor hydraulic system to provide hydraulic lift for each mower unit. The Hydra-Gang mounts on Ford 2000 and 3000 All Purpose model tractors. Drive power for reels taken directly from the tractor engine eliminates need for excessive draw bar pull and minimum weight for traction. Hills and banks can be mowed easily regardless of soft or wet turf conditions. Individual mower units follow ground contour with unlimited flexibility without scalping. Cutting height is gauged by ground reference to provide even cut over undulations. 30" per unit. Cutting swath varies for 3, 4, 5 and 6 mowers with maximum of 15' for 7 gang. Mowing time is greatly reduced with a minimum of repair maintenance. All hydraulic components are manufactured to ASAE standards. The complete mower and linkage assembly can be removed from the tractor permitting general use of the 3-point utility features of the tractor.

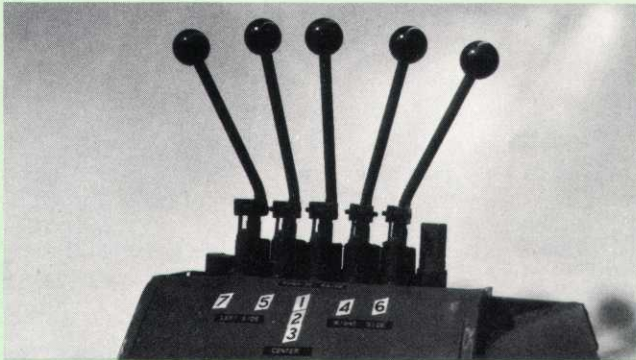
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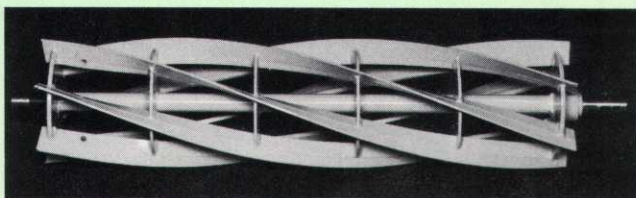
7-Gang Hydraulic Power Driven Reel Mower



Heavy duty 30" mower. 3-point suspension with two caster wheels in front and rear roller allows mower unit to follow ground contour with unlimited flexibility without scalping. All seven units are interchangeable. Shock resistant hand adjustment.



All seven units are raised or lowered by hydraulic power. When raising mower unit safety valves automatically stop the hydraulic drive to reels on all wing units. A single lever valve controls reels on all seven mowers allows operator to vary reel speed as well as stopping and reversing reels. Quickly raises to 8' transport width.



7 1/2" diameter
6-blade, for creeping Bents & Bermuda grass
4-blade for Blue grass
Both ends of reel shaft have splined inserts permitting hydraulic motor to drive from either end.

7 Unit Hydra-Gang designed for use on 2000 or 3000 All Purpose Ford Tractors equipped with 16.9 x 24 (maximum) turf tread rear tire. Selector valve is required and live 540 P.T.O. is recommended. Roll bar can be fitted to tractor.

Hydra Mower offers a light weight unit reducing compaction on your turf. Perfection in mowing under wet conditions can now be accomplished. Exceptional traction on hills. Reels in all units can be reversed for easy back lapping in less than an hour.

SPECIFICATIONS

HEIGHT OF CUT

1/2" to 3 1/4" in any desired increment. 6" front caster wheels 1/2" to 2 1/2"; 8" front caster wheels 1 1/4" to 3 1/4". Cutting height is gauged by ground reference to provide even cut over undulations.

WIDTH OF CUT

30" per unit. Cutting swath varies for 3, 4, 5 and 6 mowers with maximum of 15' for 7 gang.

TRANSPORT WIDTH

From operator's position all mowers are quickly raised and locked into 8' transport width. Overall length 12'.

TRANSPORT CONTROL

Five control levers raise or lower number 4, 5, 6 or 7 units individually and the three center units simultaneously.

REEL

7 1/2" diameter 4-blade or 6-blade. Heavy duty chrome-nickel alloy. Hardness range 40-42 Rockwell C scale.

REEL POWER

Each reel mounted directly to individual hydraulic motors. No clutches or transmission elements. Live 540 P.T.O. power to all reels through a single handle control valve.

POWER SHARPENING

Back lapping accomplished quickly by reversal of control valve handle. Blades maintained in sharpest conditions without removal of mower units.

BEARINGS

Anti-friction reel and roller bearings.

MOWER FRAME

All steel mower frame electrically welded for maximum strength and rigidity.

BED KNIFE

Oil-hardened special alloy steel. Lip-type edge. Hardness range 47-49 Rockwell C scale.

ADJUSTMENT

Hand adjustment. No tools needed. Shock-resistant spring-type to prevent reel damage.

CASTER WHEELS

Moulded rubber 6" or 8" diameter.

Manufactured by

ROSEMAN MOWER CORPORATION

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GLENVIEW, ILLINOIS 60025



ROSEMAN

RUBBER TIRE MOWER

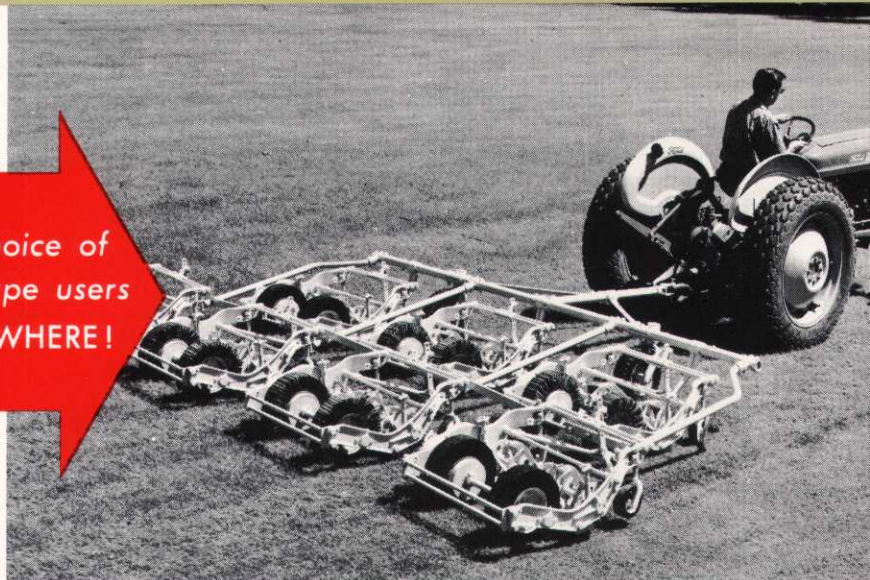


MODEL GMRW

*Mowing
perfection*

- Improved playing surface
- Hand trimming eliminated
- Lower operating cost
- Longer mower life

The Choice of
wheel type users
EVERYWHERE!



Roseman Rubber-tire mowers improve fairways. Rear drive design eliminates bobbing for smooth, uniformly cut, perfect playing surfaces.



Only ROSEMAN mowers can overhang traps and shrubbery beds without drop off. Exclusive rear drive design supports reel over edge. No unsightly fringe remains for costly hand trimming. Appearances improved at no extra cost.

Improve Mowing • Save Labor • Reduce Costs

Roseman mowers are designed and built from the turf maintenance point of view. Designed to accomplish the most desirable finished mowing job, in the most efficient manner and at the lowest possible cost.

Roseman Rubber-tire rear-wheel-drive mowers excel in turf mowing and improvement. The narrower placement of the drive wheels permit each mower unit to follow the ground contour closely over knoll without scalping and to cut closer in the hollows, mowing all the grass to the same uniform height.

Roseman rear drive design with drive wheels located behind the reel, hugs the ground, eliminates bobbing of cutting reel, kicking up in the rear like a hand mower. Smoother, more uniform cut results with no washboard effect. Mowing speeds can be increased up to 50%, costs greatly reduced, labor hours released for other maintenance tasks.

Exclusive Roseman rear drive design, with no protruding side wheels, also permits overhang of traps, bunkers, planted shrubbery beds and curbing without drop off. Expensive hand trimming eliminated, appearances improved . . . all at considerable added savings in labor and cost.

Narrower overall width of rear drive design permits mowing in more confined areas, between more trees and through more openings than with side wheel mowers. Less small mower cleanup required.

Durable heavy duty side frames; reels precision tempered. Timken adjustable bearings and Roseman quality assure years of faithful trouble free service with lowest annual upkeep cost.

IT WILL PAY YOU TO OWN ROSEMAN GANG MOWERS. THEY WILL REPAY YOUR INVESTMENT MANY TIMES OVER IN THE YEARS TO COME.

MAKE YOUR NEXT GANG ROSEMAN

ROSEMAN

RUBBER TIRE GANG MOWERS

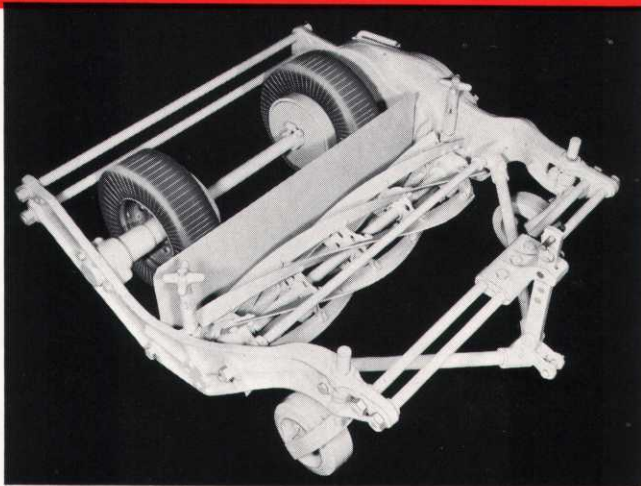
FOR MOWING PERFECTION



ROSEMAN RUBBER TIRE MOWER



Built for Performance, Efficiency, Low Cost Operation



Heavy duty side frames, tough chrome-nickel alloy reels, shock absorbing spring design to protect bed knife and laminated puncture-proof tires all assure reliable trouble-free service. Optional grass deflectors are available to disperse clippings uniformly without windrowing.

LAMINATED PUNCTURE-PROOF TIRES

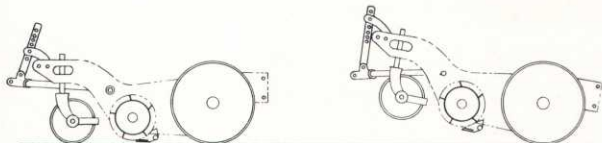
Laminated puncture-proof tires overcome objectionable bouncing of pneumatic tires. Height of finished cut does not vary.

Laminated tires are durable, puncture-proof and trouble-free. There can be no slashed or damaged tires, punctures or blowouts in the field requiring time-consuming repair. No need to maintain correct air pressure to assure uniform height of cut.

The natural caterpillar-action of laminated tire treads, at the point of ground contact, gives non-skid traction, constant lugging to the drive wheels, making it possible to mow heaviest turf growths.

Laminated tires and heavy-duty reels are standard equipment on Roseman Hi-Cut mowers at no extra cost. Specify, and insist on, laminated puncture-proof tires and heavy-duty reels on all your rubber tired mowers.

Roseman Combination Rough and Fairway Hitch 2 Gangs in One*



FAIRWAY MOWING

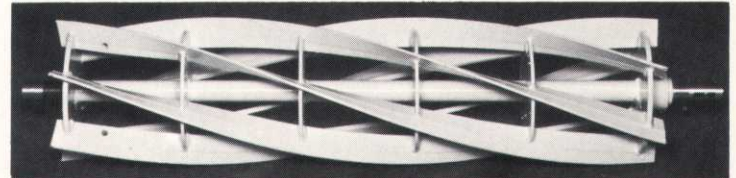
ROUGH MOWING

Showing how the Roseman Mower with Combination Hitch converts from a fairway mower to a rough mower. Just raise or lower the lever for high or low cutting. Only 2 minutes to convert 5 gang.

* No need for the economy minded user to buy a separate gang to cut high grass. With the Roseman Combination Rough and Fairway Hitch you can cut both short and rough grass as well as turf that "gets away" during wet weather.

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DESIGN • PERFORMANCE • QUALITY



Quality built, heavy-duty ROSEMAN reel with non-breakable steel spiders and shaft. Tough chrome-nickel alloy reel blades assure long life. Heavy duty 5 blade reel standard, 6 blade optional at extra cost.

MODEL GMRW

SPECIFICATIONS

- Width of Cut:** 30" per unit: Overall approximate cutting widths: 3 gang 7', 5 gang-11'6", 7 gang 15'6", 9 gang-21'.
- Height of Cut:** 7/16" to 3" in any desired increment.
- Side Frames:** Durable heavy duty side frames.
- Standard Drive:** 4.00 x 15" diameter laminated, puncture proof rubber tire.
- Fairway Drive:** 3.50 x 12.5" diameter laminated puncture proof rubber tire.
- Optional Drives:** Roller drive available.
- Drive Wheels:** Mounted to rear of cutting reel within side frames.
- Drive Traction:** Through two drive wheels on each unit.
- Differential:** Traction drive wheels equipped with differential.
- Bearings:** High quality Timken adjustable-type reel bearings. Hyatt roller bearings on drive shaft.
- Reel:** 7 1/2" diameter high frequency cut with five chrome-nickel alloy steel blades. Six blade reel optional. Hardness range 40-42 Rockwell C scale.
- Gear Drive:** Machine cut steel sprocket and chain sealed in oil.
- Bed Knife:** Oil hardened special alloy steel. Lip-type edge. Hardness range 47-49 Rockwell C scale.
- Clutch:** Separate clutch to throw reel in and out of gear.
- Adjustment:** Shock resistant spring adjustment to prevent reel damage. Hand adjustment. No tools required.
- Grass Deflector:** Grass shield deflector optional.
- Hitch:** Of sturdy tubular construction designed to permit unlimited mower unit flexibility. Weight of hitch is carried independently of the mower units.
- Lifting Device:** Each unit has height adjusting lever to permit instant raising of cutting blades for rough cutting.

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TABLE 1

SOMERSET COUNTRY CLUB ST. PAUL

Treatment	Rate/1000 ft ²	Percent Disease on 27 Feb. 76 Mean of Four Replicates			
M F 582	12 oz.	0.0 ^A	a		
PCNB + Thiram	4 + 8 oz.	0.25	a		
Caloclor + PCNB	3 + 4 oz.	0.25	a		
Upjohn AT-SP	40 lbs.	0.5	a		
Tersan SP + Thiram	4 + 8 oz.	0.75	a		
Caloclor	3 oz.	0.75	a		
Caloclor	5 oz.	1.75	a		
Upjohn ARZ-2	8 oz.	2.25	a		
Scotts FF II	DR	2.5	a		
Caloclor + Tersan SP	3 + 4 oz.	2.5	a		
PCNB	8 oz.	2.5	a		
Thiram	8 oz.	3.0	a		
MF 582	6 oz.	3.25	a	b	
Tersan SP + PCNB	4 + 4 oz.	4.75	a	b	
Scotts LDC	DR	5.0	a	b	
Upjohn ARZ-3	8 oz.	5.25	a	b	
Tersan SP	8 oz.	7.5	a	b	
MF 582	9 oz.	8.0	a	b	
Upjohn ARZ-2	4 oz.	9.25	a	b	
Actidione RZ	8 oz.	9.25	a	b	
Calogron	10 lbs.	12.75	a	b	c
RP 26019	8 oz.	13.0	a	b	c
Actidione RZ	4 oz.	13.25	a	b	c
Tersan SP	4 oz.	13.75	a	b	c
Upjohn RZ-3	4 oz.	15.0	a	b	c
RP 26019	2 oz.	15.0	a	b	c
Tersan SP	2 oz.	15.75	a	b	c
Scotts F II	DR	16.0	a	b	c
RP 26019	4 oz.	17.25	a	b	c
Sno Chek	8 lbs.	20.0	a	b	c
Turfside	4 lbs.	23.0	a	b	c
PCNB	1 oz.	31.25	a	b	c
PCNB	2 oz.	36.25		b	c
PCNB	4 oz.	43.75			c
Check		71.5			d

^AAny two figures followed by the same letter do not differ significantly, P=0.05, according to Duncan's new multiple range test. All homogeneous subsets are presented.

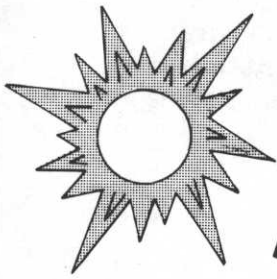
TABLE 2

NORTHLAND COUNTRY CLUB

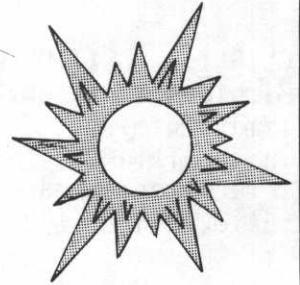
DULUTH

Treatment	Rate/1000 ft ²	Percent Disease on 13 April 76 Mean of Four Replicates	
Upjohn AT-SP	40 lbs.	2.75 ^A	a
Caloclor + Tersan SP	3 + 4 oz.	6.0	a b
Calogron	10 lbs.	7.5	a b
Caloclor + PCNB	3 + 4 Oz.	8.0	a b
Upjohn AT-SP	80 lbs.	10.75	a b
Tersan SP + PCNB	4 + 4 oz.	10.75	a b
Caloclor	5 oz.	13.0	a b c
Tersan SP + Thiram	4 + 8 oz.	22.5	a b c d
Tersan SP	8 oz.	23.75	a b c d e
Scotts F II	DR	26.25	b c d e f
Scotts F II	NR	27.5	b c d e f
Caloclor	3 oz.	33.75	c d e f g
Calogron	6 lbs.	37.5	d e f g
PCNB	8 oz.	41.25	d e f g h
Tersan SP	4 oz.	42.5	d e f g h
MF 582	9 oz.	45.0	e f g h i
PCNB + Thiram	4 + 8 oz.	47.5	f g h i
Actidione RZ	8 oz.	47.5	f g h i j
Scotts LDC	DR	50.0	g h i j k
Scotts FF II	NR	51.25	g h i j k
Actidione RZ	4 oz.	52.5	g h i j k l
Tersan SP	2 oz.	52.5	g h i j k l
Scotts LDC	NR	53.75	g h i j k l
Upjohn ARZ-2	8 oz.	62.5	h i j k l m
Scotts FF II	DR	65.0	i j k l m n
Turfside	4 lbs.	68.75	j k l m n o
Turfside	2 lbs.	70.0	k l m n o
MF 582	6 oz.	72.5	l m n o
MF 582	12 oz.	73.75	l m n o
RP 26019	8 oz.	73.75	l m n o
PCNB	4 oz.	73.75	l m n o
Upjohn ARZ-3	8 oz.	76.25	m n o
Upjohn ARZ-2	4 oz.	81.25	m n o
PCNB	1 oz.	82.5	m n o
RP 26019	4 oz.	83.75	m n o
PCNB	2 oz.	83.75	m n o
Ammon Nitrate	4 lbs. N	85.0	m n o
Milorganite	4 lbs. N	85.0	m n o
RP 26019	2 oz.	86.25	n o
Thiram	8 oz.	86.25	n o
Check		89.5	o
Upjohn ARZ-3	4 oz.	91.25	o

^AAs before.



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1. Satisfy a large amount of grass' nutritional requirements.
2. Release uniformly from spring through late fall all of the nitrogen in one season.
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4. Not burn.
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8. Not cause nitrate accumulation.
9. Not be adversely affected by soil pH.
10. Be a high concentration to eliminate storage and freight costs.

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JANUARY MEETING AT WAYZATA C.C.

Wayzata Country Club and newly elected M.G.C.S.A. President Jim Lindblad will host the January meeting of the M.G.C.S.A. on Tuesday, January 11. PLEASE NOTE THAT THIS MEETING IS SCHEDULED FOR A TUESDAY RATHER THAN THE NORMAL MONDAY. Arrive anytime after the noon hour and participate in some of the activities Jim has planned. There will be cross country skiing, paddle tennis and skeet and trap shooting will be available as well as the normal card games and other indoor activities. Jim asks that the marksmen please bring their own shells. This will also be a chance to get a first hand look at the newly finished addition to the clubhouse at Wayzata. The business meeting is scheduled for 5:00 p.m. with a steak dinner to follow at 6:30 p.m. The price of the dinner will be \$7.50. Please fill out the reservation form below and return to Jim by Monday, January 10.

Special Attraction: Guest speaker at the 5:00 o'clock business meeting will be Mr. Michael Fresvik of the State Department of Agriculture. He will speak on pesticide applicator's licensing and/or certification for 1977. You need this information.

PLEASE RESERVE _____ PLACES AT THE JANUARY MEETING.

NAME _____

CLUB _____

RETURN TO:

JIM LINDBLAD

BOX 151

WAYZATA COUNTRY CLUB
WAYZATA, MINNESOTA 55391

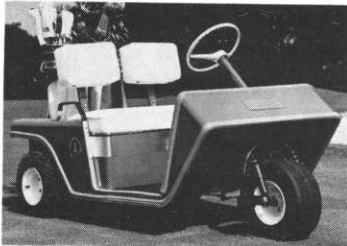
GREEN CLIPPINGS

CLIP 1: POSITION WANTED. A graduate of a two year Turf Grass Management Program at Michigan State University is looking for a position as an assistant superintendent or full time employee. He has gained experience the past five years by working for two major clubs in the Twin City area. He will be available for employment in March of 1977. If you are interested, please contact: Richard E. Picks, Jr., 3719 North 4th Street, Minneapolis 55412, Phone (612) 529-6846.

CLIP 2: More than 150 manufacturers and distributors attending the 48th International Turfgrass Conference and Show will be allowed for the first time to take orders for their products. The trade show, sponsored since 1927 by the Golf Course Superintendents Association of America (GCSAA), is the largest of its kind in the world. Until this fall, however, when the Tax Reform Bill was signed by the President, exhibitors had been limited to displaying their products. Order taking and floor sales were not permitted because of GCSAA's non-profit status. This year the exhibits of turfgrass equipment and supplies

will occupy 100,800 square feet of floor space at the modern Memorial Coliseum, Portland, Oregon. The show officially opens to the public February 8, 1977. Some 5,000 GCSAA member superintendents and others involved in turfgrass management are expected to attend the conference. Also present will be members of the press, distributors and key industry personnel. Last year when M.G.C.S.A. helped host the conference, the attendance was 4,382.

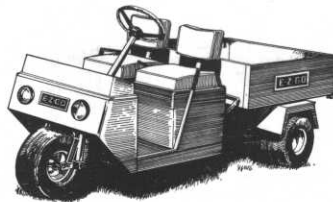
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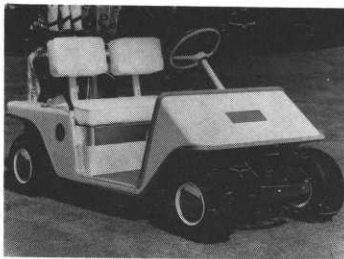
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CLIP 3: The G.C.S.A.A. Nominating Committee recently announced the selection of the Executive Committee candidates for the year 1977. For President, Theodore W. Woehrle, CGCS, Birmingham, Mich. For the office of Vice-President, George W. Cleaver, CGCS, Lutherville, Mo., Melvin B. Lucas, Jr., CGCS, Garden City, N.Y. and Charles H. Tadge, CGCS, South Euclid, Ohio. Two of the five following director candidates will be elected to three year terms with the third highest elected to a two year term. The nominees are Hobart T. Burgan, CGCS, Oklahoma City, Okla.; Edward F. Dembwicki, CGCS, Pinehurst, N.C.; Louis D. Haines, CGCS, Denver, Colo.; David C. Harmon, Williamsburg, Va. (Home of some great bicentennial activities) and James A. Wyllie, CGCS, Toronto, Ontario.

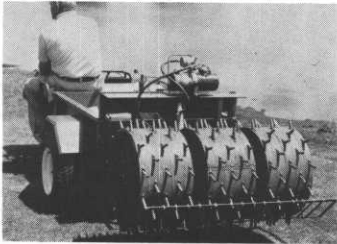
CLIP 4: We would like to take this time to give our sincere thanks to all our advertisers who make HOLE NOTES possible by their continued support. We would also like to extend to them our best wishes for a very prosperous and HAPPY NEW YEAR.

**HAVE A GREAT TIME
IN PORTLAND**

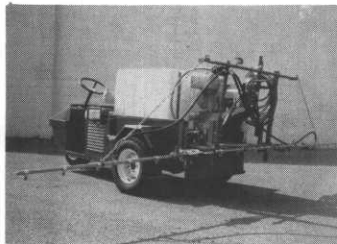
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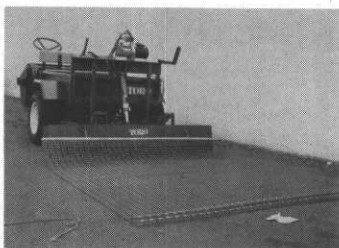
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