



**For mowing performance features,  
nothing else can make this cut.**

Superior greens start with superior greens mower features. And the all-new Greens King® 422 is loaded with them.

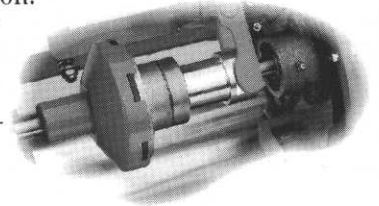
Exceptional side-to-side, front-to-rear balance and a more compact roller base help accentuate your greens' details, rather than your mower's limitations.

Our new 11-blade, electronically balanced reel delivers an unbelievably smooth cut, even down to 5/64." Plus, our exclusive Turf Groomer® option simply produces faster, truer, healthier greens than any imitator.

**Clutch performer.**

No other walking greens mower can touch the 422 for reliability. Our all-new clutch has been tested out to the equivalent of 70 years of operation, without any adjustment or lubrication.

The same eye for quality extends throughout this unique machine—from our space-age, long-life bearings and



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With features like drop out drive drum, reel and bedknife, and easy, slide-apart traction roller with built-in differential, the Greens King 422 cuts maintenance time as neatly as it cuts grass.

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**Futerra™** is a lightweight, nonwoven erosion control revegetation mat comprised primarily of waste wood fiber.

**Futerra™** is produced by blending thermal mechanically-defibrated wood fiber with a small percentage of recycled synthetic fibers and forming them into a mat. An accelerated photodegradable polypropylene netting is laminated to the surface of the mat. **Futerra™** completely degrades.

The wood fibers biodegrade adding organic material to the soil surface. **Futerra™** has been engineered to significantly reduce erosion and migration of the underlying seed bed, while enhancing seed germination and growth.

**Futerra™** is dyed a natural green color to provide a finished appearance until vegetation is established.

## The Scotts Company

and Subsidiaries

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Liquid Flowable Systemic  
Turf and Ornamental Fungicide



Liquid Flowable  
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Dry Flowable Systemic Turf  
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Dry Flowable Turf Fungicide

**Fungo Flo**  
Liquid Flowable Systemic  
Turf and Ornamental  
Fungicide for control of  
Brown Patch, Anthra-  
cnose, Summer Patch,  
Necrotic Ring Spot, Dollar  
Spot, Fusarium Blight,  
Copper Spot, and Stripe  
Smut in turf.

**Vorlan Flo**  
Liquid Flowable Turf  
Fungicide for the  
prevention or control of  
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Pink Snow Mold.

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**Vorlan DF**  
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Fungicide for the  
prevention or control of  
Dollar Spot (even  
resistant strains), Leaf  
Spots, Red Thread and  
Pink Patch.

# Fertilizer Research —

(Continued from Page 10)

**August 6.** Turf Management Greenscote 2 pounds clippings/20 feet. Scott's Poly S 1.90 lbs. Wilbur-Ellis Nutralene 1.40 lbs. Check .5 lbs.

The color of all the fertilized plots appeared excellent with the check appearing very "hungry" for N. No disease appearing in any plots.

**August 10.** (After 4 inches rain)

Turf Management Greenscote .85 lbs.

Scott's Poly S .70 lbs.

Wilbur-Ellis Nutralene .35 lbs.

Check .25 lbs.

**August 20.**

Turf Management Greenscote 1.80 lbs.

Scott's Poly S 2.30 lbs.

Wilbur-Ellis Nutralene 1.65 lbs.

Check .75 lbs.

Color appeared uniform with all plots except the check.

**August 27.**

Turf Management Greenscote 2.00 lbs.

Scott's Poly S 1.80 lbs.

Wilbur-Ellis Nutralene 1.45 lbs.

Check .60 lbs.

Again, plots all looked excellent, except for the check.

**September 3.**

Turf Management Greenscote 1.80 lbs. clippings.

Scott's Poly S .80 lbs.



**Charlie Pooch**

Wilbur-Ellis Nutralene .80 lbs.

Check .75 lbs.

Turf color appeared uniform except for the check plot. No disease.

Any samples taken after Labor Day would not give us any measurements because the weather cooled and growth in all the plots slowed to almost a halt.

This test was not done to prove any fertilizer better than the other, but just to give me an indication of how well each performs when applied next to one another under the same climatic conditions. Thanks to Larry Thornton of Wilbur-Ellis and John Wiley of Turf Supply for supplying some of their products so we could do the comparison.



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Eagan, MN 55122  
(612) 687-0282

## MEMBERSHIP REPORT

### NEW MEMBERS—MARCH 14, 1994

### Class

<b>Troy Carson</b> .....	Buffalo Heights G.C. ....	BII
1619 Michigan Ave. S.E. #305, St. Cloud, MN 56304	W: 612/682-2854	
<b>Bill Kreuser</b> .....	Burl Oaks .....	D
315 E. 3rd Street, Chaska, MN 55318	W: 612/472-7124	
<b>Ken Laboski</b> .....	Henning & Rohde Assoc. ....	E
1720 W. Larpeur Ave., Falcon Heights, MN 55113	W: 612/454-9511	
<b>Roy Mason</b> .....	Northland C.C. ....	D
609 E. Skyline Parkway, Duluth, MN 55805	W: 218/535-2815	
<b>Michael Netzel</b> .....	City of Duluth (Engler & Lester Golf) A	
1801 W. Blvd., Duluth, MN 55806	W: 281/723-3453	
<b>Bob Simondet</b> .....	Lesco of Minnesota .....	A
108 Park Ave., Silver Lake, MN 55381	W: 612/327-2332	
<b>Steven Simonson</b> .....	Apple Creek C.C. ....	A
9011 5th Ave. N.E., Bismarck, ND 58501	W: 701/222-0343	
<b>Jerry Storjohann</b> .....	North Links G.C. ....	D
289 Kingsway Dr., N. Mankato, MN 56003	W: 507/947-3335	
<b>Keith Tuorila</b> .....	Silver Bay C.C. ....	BII
11 Lee Circle, Silver Bay, MN 55614	W: 218/226-3111	
<b>Jeffrey Weiss</b> .....	Greensword Turf Service .....	F
5850 - 5th St. N.E., Fridley, MN 55432	W: 612/571-4751	
<b>Karl Weiss</b> .....	Sleepy Eye G.C. ....	C
316 Water St. S.E., Sleepy Eye, MN 56085	W: 507/794-2517	

### RECLASSIFICATION—MARCH 14, 1994

<b>Todd Grimm</b> .....	City of Moorhead - Meadows G.C. .	BII to B
<b>William Voigt</b> .....	Buffalo Run G.C. ....	D to BII

*Dick Grundstrom, Membership Chairman*

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Verticut 5-plex - National pto verticut unit. Like new. **\$2,500**

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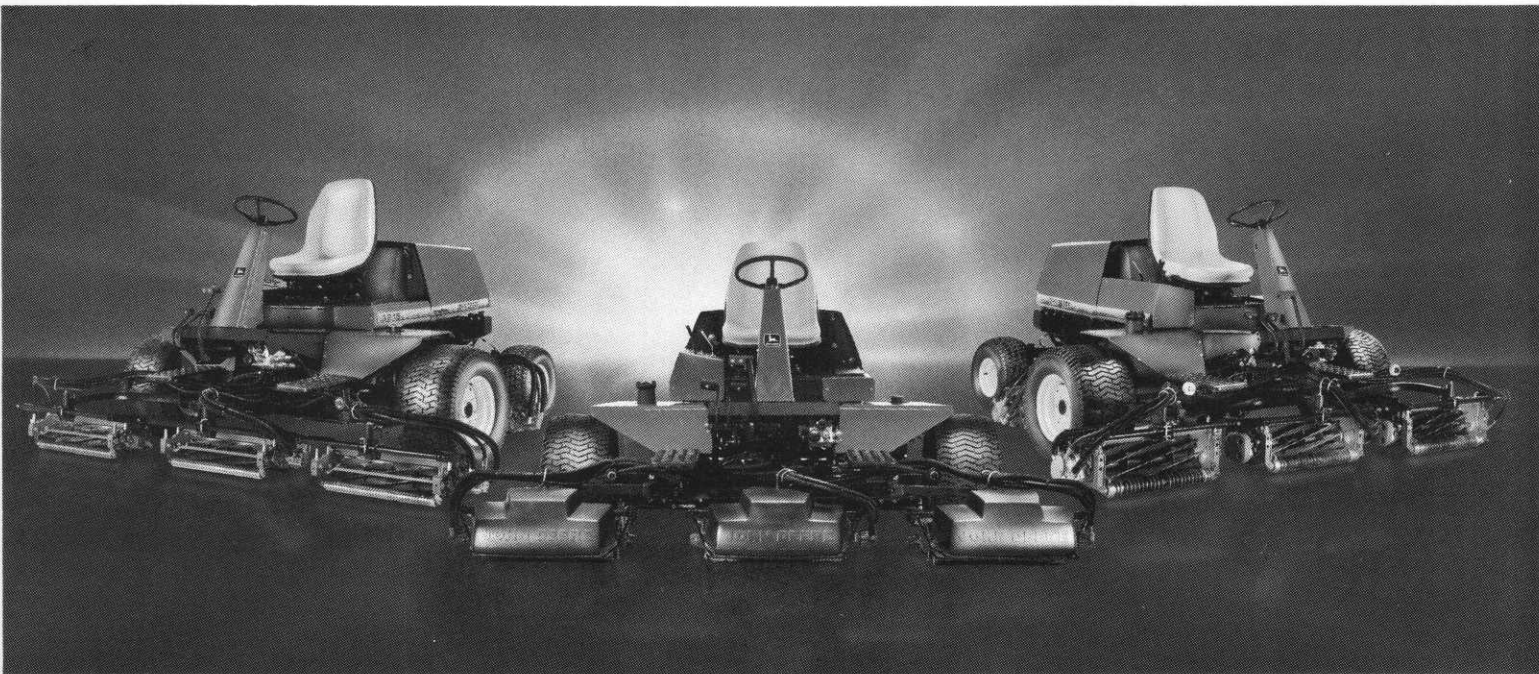
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The 3215 with standard cutting units is a 25.5-hp machine designed

to perform well on any turf type, but especially on the more delicate cool-season grasses. Cutting units are 5 inches in diameter and feature 7-bladed reels.

The 32-hp 3235 can be equipped with standard or heavy-duty ESP™ cutting units. The ESP units are

	STANDARD CUTTING UNIT	HEAVY-DUTY CUTTING UNIT
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7 inches in diameter, have 3-inch rollers, and feature 8-bladed reels to handle tough conditions like mowing warm- and transitional-season grasses.

Talk to us soon for more information about these revolutionary new mowers.

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**A revolutionary leap in the evolution of mowing.**

To see where rotary mowing is headed, take a good look at the sleek new Jacobsen HR-5111.™ It delivers an 11'-plus, high-production cut and exceptional trimability in a rugged four-wheel-drive package.

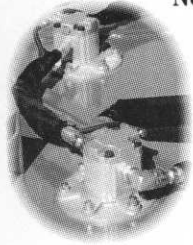
**Built for long life in rough country.**

Hydrostatic 4WD, a heavy-duty axle with differential lock, and a reliable, fuel-efficient, 51-hp diesel let the HR-5111 confidently tackle tough hills that stall the competition.

Our new box-channel steel, straight-line frame takes the pounding of tough conditions like no other mower in its class. Plus, the full-fiberglass body keeps its good looks for years, even in the harshest environments. And it's all backed by a 2-year, 1,500-hour warranty.\*

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Our revolutionary, fully hydraulic cutting system eliminates the maintenance and adjustments of belt-driven units. It incorporates individual, lifetime lubricated spindle motors which deliver more power to knock down tall, heavy grass, for a clean 1" to 5½" cut. The decks

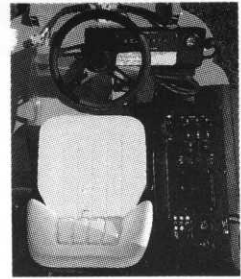


have a unique, counter-rotating spindle configuration producing the smoothest rear discharge going.

**Smooth operator.**

From the easy-to-read, full instrumentation, to the ergonomic controls, the HR-5111 redefines operator convenience. What's more, power steering, tilt wheel, cruise control and the adjustable high-back suspension seat keep the operator comfortable, for a more productive day.

For high productivity, 4WD mobility, heavy-duty durability and operator comfort, there's nothing like the HR-5111 on turf.



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## Ahead of the Storm —

(Continued from Page 8)

### What Does it Cost?

Detailed and accurate forecasts can help your course become more efficient. Daily forecasts with updates tailored for your location range nationally from \$250 to \$425 a month.

### The Bottom Line

When you stop to consider the thousands of dollars that are spent daily in running your course, the cost for a private weather service isn't hard to justify. A private service is your best source for accurate and detailed weather information. After all, when severe weather is approaching, you can't really put a price on the safety of your crew and your golfers.



## Ray Hall —

(Continued from Page 9)

bike. In fact, this May he's scheduled to present a military wood carving to the commander of the 9th Field Artillery, his old army unit, at Fort Sill, Okla.

### Where Are They Now?

The accompanying story on Ray Hall, 76, is the first in a series of articles on retired golf course superintendents to be published in *Hole Notes*.

They will be published in the order they are received, following the mailing of a questionnaire.

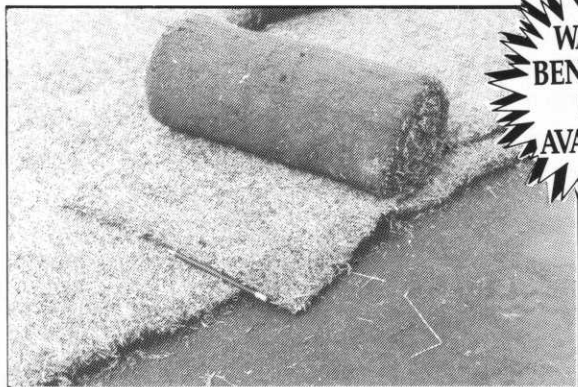
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# Dave Sime Proud of 'New' Irrigation System at Benson

\* \* \* \* \*

## *It Was First Installed By His Father At Interlachen in 1973*

Superintendent Dave Sime has good reason to be proud of the "new" irrigation system Benson Golf Club now has on its 18-hole course in west central Minnesota.

First of all, it's accomplishing what was desired. Secondly, it's working well, and thirdly, from a financial standpoint, it's proved to be a real bargain.

The "new" system actually is 20 years old, having been installed by Dave's father in 1973 when he was the head superintendent at Interlachen Country Club in Edina. Dave, too, was familiar with the equipment since he also worked at Interlachen for six summers.

This prior knowledge, coupled with Benson Golf Club's desire to update its course, led to Sime talking with John Katterheinrich, head superintendent at Interlachen, after that course installed a new system.

**Benson Golf Club did not have the capital budget for new equipment, but the purchase of the Toro VariTime 4000 from Interlachen for \$4,000.00 worked well within the Benson budget. In fact the installation was paid for through cash flow.**



**Dave Sime**

Here, basically, is the equipment Benson Golf Club purchased from Interlachen:

Quantity	Type
150	690 Toro wide area sprinkler
120	630
50	650
1	Central with 3 central clocks & 3 syringe clocks
20	Satellites & pedestals
1	Hydraulic pump

A Mankato State University marketing graduate, Dave also worked several summers at Mankato Golf Club, where he later became an assistant superintendent before accepting the head superintendency at Benson in the Spring of 1991.

During the summer of 1992, Dave and his summer crew of 11 persons installed one-half of the system on the front nine, then completed the second half last summer.

**Overall, Sime said, the installation went very well.** Time was taken to make certain that all parts were working well, sprinklers were cleaned and everything was placed properly.

"It was all up and running this past season," Sime said. "Obviously it's reduced a lot of watering time, considering what we had to do with our old manual system. Furthermore, we save about \$2,500 a season in labor."

Dave figures Benson Golf Club invested about \$35,000 for the used equipment, compared with a price tag of approximately \$170,000 if the equipment were brand new.

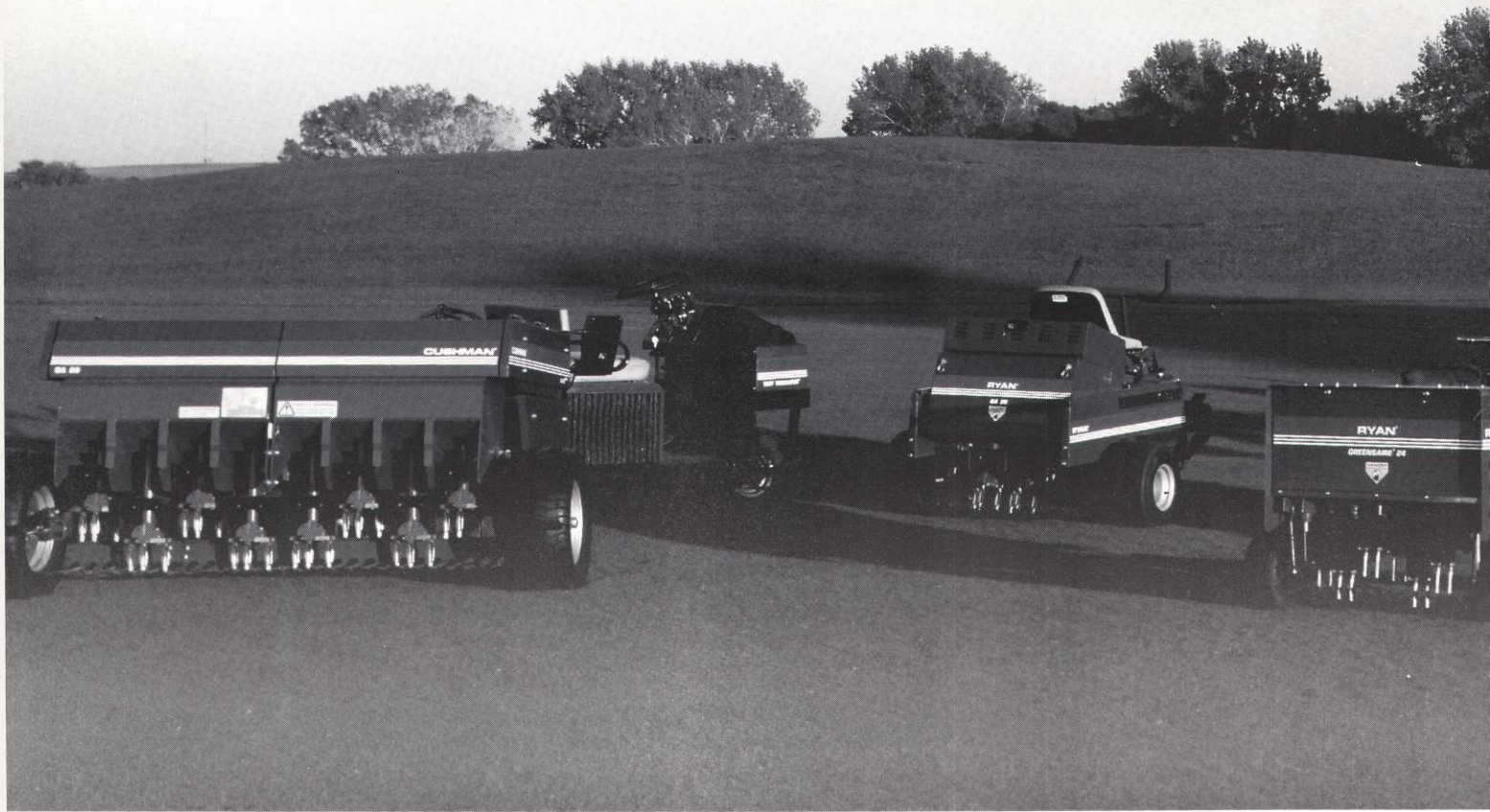
Sime worked closely with Leroy Young to know if the whole project was feasible. Young designed the system and Jim Grossman from Benson installed tubes and wires.

His advice to other superintendents: If you just don't have the money for new equipment, keep your eyes open for used equipment that may come on the market.

"Check them out and go for it," he said. In Benson's case, it proved to be a masterful move.



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