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.

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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 bushings, to the most durable drive belts made, to the powerful, high-efficiency 4-hp, 4-cycle OHV Honda engine.

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.

See for yourself why it's a whole new ballgame,

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ConSyst™ for superior broad spectrum disease control (including pythium) for all turfgrasses and ornamentals. ConSyst™ has both contact and systemic action for curative and preventive long residual control. ConSyst™ for consistently superior results. Most economical, efficient, broad spectrum disease management.

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- Non-Burning
- Micro-Nutrient Rich

Nature Safe

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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.

---

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and Subsidiaries

**Fungo Flo**

Liquid Flowable Systemic Turf and Ornamental Fungicide for control of Brown Patch, Anthracnose, 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 Dollar Spot (even resistant strains), Leaf Spots, Red Thread, and Pink Snow Mold.

**Fungo 85 DF**

Dry Flowable Systemic Turf and Ornamental Fungicide. For control of Brown Patch, Dollar Spot, Fusarium Blight, Copper Spot, Summer Patch, Anthracnose and other key diseases.

**Algaen-X**

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**Fungo 50 WSB**

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**Vorlan DF**

Dry Flowable Turf Fungicide for the prevention or control of Dollar Spot (even resistant strains), Leaf Spots, Red Thread and Pink Patch.

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Fertilizer Research —
(Continued from Page 10)


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.

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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(612) 687-0282

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MEMBERSHIP REPORT

NEW MEMBERS—MARCH 14, 1994

Troy Carson ........................................... Class BII
1619 Michigan Ave. S.E. #305, St. Cloud, MN 56304 W: 612/882-2854

Bill Kreuser .......................................... Class D
315 E. 3rd Street, Chaska, MN 55318 W: 612/472-7124

Ken Laboski .......................................... Class E
1720 W. Larpenteur Ave., Falcon Heights, MN 55118 W: 612/454-9511

Roy Mason ............................................. Class D
609 E. Skyline Parkway, Duluth, MN 55809 W: 218/535-2815

Michael Netzel ...................................... Class A
1801 W. Blvd., Duluth, MN 55806 W: 281/723-3453

Bob Simonet .......................................... Class A
108 Park Ave., Silver Lake, MN 55381 W: 612/327-2332

Steven Simonson .................................... Class A
9011 5th Ave. N.E., Bismarck, ND 58501 W: 701/293-0136

Jerry Storjohann .................................... Class D
289 Kingsway Dr., N. Mankato, MN 56003 W: 507/947-3335

Keith Tuorila ....................................... Class BII
11 Lee Circle, Silver Bay, MN 58614 W: 218/926-3111

Jeffrey Weiss ...................................... Class F
5950 - 5th St. N.E., Fridley, MN 55432 W: 612/371-4751

Karl Weiss ........................................... Class C
316 Water St. S.E., Sleepy Eye, MN 56085 W: 507/794-2517

RECLASSIFICATION—MARCH 14, 1994

Todd Grimm ......................................... City of Moorhead - Meadows G.C. BII to B

William Voigt ...................................... Buffalo Run G.C. D to BII

Dick Grundstrom, Membership Chairman

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Parkmaster - 1980 Parkmaster 7-gang with diesel engine. Excellent condition, great price! $6,000

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

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**Built for long life in rough country.**
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**No belts. No pulleys. No kidding.**
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.

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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.

![Image of Jacobsen HR-5111 lawn mower]

**THE SHARPEST THINKING ON TURF.**
Ahead of the Storm —
(Continued from Page 8)
What Does it Cost?
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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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- 1983 3-wheel Cushman Truckster
  - Hydraulic Dump Box
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- (2) 1986-87 Toro T.C. 4000 Weed Eaters
  - Engine O-hauls winter of 91-92
  - Price: $50 each or best offer
- 1970 Meter Matic Topdresser
  - Model F-6 (walking model)
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"A Quality Grown Reputation"
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:

<table>
<thead>
<tr>
<th>Quantity</th>
<th>Type</th>
</tr>
</thead>
<tbody>
<tr>
<td>150</td>
<td>690 Toro wide area sprinkler</td>
</tr>
<tr>
<td>120</td>
<td>630</td>
</tr>
<tr>
<td>50</td>
<td>650</td>
</tr>
<tr>
<td>1</td>
<td>Central with 3 central clocks &amp; 3 syringe clocks</td>
</tr>
<tr>
<td>20</td>
<td>Satellites &amp; pedastals</td>
</tr>
<tr>
<td>1</td>
<td>Hydraulic pump</td>
</tr>
</tbody>
</table>

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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