3-wheeled and 4-wheel Turf-Truckster

**STANDARD FEATURES**

- Turf chassis with pin disconnect
- Heavy-duty carbon steel channel frame boxed in critical areas
- Front bumper
- Tow hitch
- Rear fenders
- Large 24 x 13.00-12 tires
- Hydraulics with auxiliary outlets
- Automatic tailgate release and latch
- Clustered controls
- Ground speed governor
- Hand throttle
- Full dash with storage compartment
- Tachometer
- Fuel gauge
- Ammeter
- Hour meter
- Light switch
- Horn

**Now with up to 2,600-pound rated capacity**

**3 ENGINE OPTIONS** – More options than any competitor to meet your work requirements.
- Cushman 27-hp Liquid-cooled gas
- Cushman 22-hp Air-cooled gas
- Kubota 22-hp Liquid-cooled diesel

**VERSATILITY**

Today's Turf-Truckster is the most versatile work vehicle on the market because of the standard ground speed governor, its exclusive pin disconnect system and revolutionary 5th Wheel implements.

More than a dozen pin disconnect attachments can be interchanged in minutes. Just snap in two or three pins to change your Turf-Truckster from an aerator to sprayer to top dresser and more. It couldn't be easier.

To expand the Turf-Truckster's list of capabilities even further, there is the 5th Wheel implement system. You can cover large areas quickly and efficiently while maintaining a low psi to minimize compaction.

Increase the versatility of your Turf-Truckster with the following implements and attachments. It is important to note these attachments and implements were specifically designed for the Cushman Turf-Truckster. They are covered by warranty only when used with the Cushman Turf-Truckster.

**IMPLeMENTS AND ATTACHMENTS**

- 5th Wheel implements: GA™ 60 aerator, dump trailer, top dresser, 300-gallon Turf Master sprayer
- Core Harvester™
- Flatbed
- Carrier set
- 540 PTO
- Power converter
- Seed and fertilizer spreader
- Low profile sprayers (120 and 160 gallon)
- Quick aerator
- Short box
- Vicon spreader
- Rahn rake

*R Rated capacity includes payload plus 200 lbs each for bed, operator and passenger.

---

**CUSHMAN MOTOR CO., INC.**

2909 E. FRANKLIN AVE., MINNEAPOLIS, MN 55406 • (612) 333-3487 • TOLL FREE 1-800-759-5343 • FAX: (612) 333-5903
EPA Okays Phaseout Of Methyl Bromide
By Ron Smith

Methyl bromide has been added to the Environmental Protection Agency’s “hit list” and will be phased out by the year 2000.

Former EPA Administrator William K. Riley announced the phaseout on his last day in office, adding the soil fumigant and agricultural chemical to a list of materials linked to ozone depletion.

Riley said the action was justified under The Clean Air Act Amendment of 1990 which requires EPA to phase out production and import of five ozone depleters: CFCs, halons, carbon tetrachloride, methyl chloroform (all class I substances) and hydrochlorofluorocarbons or HCFCs (class II). The Amendments also gave EPA the responsibility to add other ozone depleters to the list.

Losing methyl bromide could pose a hardship on the turf industry, says Auburn University Extension turf specialist Coleman Ward. “Methyl bromide has been a lifesaver for many years, and we don’t have anything else that has been used much in turf. We don’t have a tried-and-true substitute.”

Ward said sod farmers often use methyl bromide in certified turf fields to eliminate noxious weeds and other pests. “Sod probably accounts for the largest volume of use,” Ward said. “But the fumigant also is used extensively for golf green construction or renovation. Normally, contractors will fumigate the green complex to kill weeds, stem pieces from turfgrass, insects and nematodes. Golf course construction and renovation will be hampered by the loss.”

Ward said he had never known of anyone being harmed by methyl bromide, although it is very toxic.

Carlton Lane, with the EPA public affairs office in Atlanta, said methyl bromide has been closely scrutinized because of its link to ozone depletion. “That characteristic puts it under the Clean Air Act.”

Florida and California are the biggest users of methyl bromide, according to EPA.

In addition to turf, uses include fumigation for fruit and vegetable crop seedbeds. It also is used for tobacco transplant beds.

The EPA proposal allows companies to produce certain ozone depleters in excess of EPA allowance if necessary to supply basic domestic needs of developing countries, under Article 5 of the Montreal Protocol. Article 5 countries have a grace period until 2010 to meet production and import phaseout commitments.

American manufacturers, however, must provide adequate assurance to EPA that developing countries will not re-export those ozone depleters to another country, according to an EPA press release.

The rule may also require labels warning the public that a product contains an ozone depleting substance. And states may supersede EPA rules to set more stringent regulations for ozone depleting substances.

---

Weather Watch

We watch the weather so you don't have to.

- Exclusive Weather Watch Pager Network
- An Affordable & Dependable Real-Time Service

When you consider the thousands of dollars that you spend for maintenance, chemical applications, and special events, our private weather service can save you money and is the best source for accurate weather information.

Call Today and Ask About This Special Service!

(612) 476-9070
GCSAA President Cites Concern For Economy, Environment, Labor

By Ron Smith

Randy Nichols accepts his post as president of the Golf Course Superintendents Association of America knowing that industry, association and personal concerns will create some of the biggest challenges he’s ever faced.

Nichols, CGCS, Cherokee Country Club, Sandy Springs, Ga. (an Atlanta suburb), cites the economy, the environment and labor as the biggest concerns for the golf industry.

“This environment is still number one,” he said, “primarily because of environmental terrorists who don’t know the facts,” but cause the industry a lot of trouble.

The association is fighting back, however, by promoting the benefits from golf courses, the professionalism of superintendents and with a new study that may lay to rest some of the misconceptions about long-term pesticide use.

Nichols says a toxicological exposure study could determine what effect, if any, pesticide use has on superintendents. “We think this research will help alleviate some of the concerns. We believe results will prove what we’ve said all along: that pesticides, properly used, at correct times, rates and with proper equipment and clothing, do not pose an unreasonable risk. And if there are risks involved, we can address them.”

The economy also concerns Nichols. “Companies are still cutting back and eliminating jobs. People have less money to spend.” That could affect golf courses, possibly with cuts in maintenance budgets.

“We may need to pare back some,” he said. “But it is going to be important that superintendents communicate with greens chairmen and club managers. A good superintendent is worth a lot to a golf course. Management must know that.”

Nichols sees no decline in golf popularity, even in an economic slump. “Play will not decrease, at least not in the short run. Typically, number of rounds increase during a short recession. Members play home courses, where their membership dues are already paid, rather than travel and pay to play elsewhere.

“A long-term slump could result in lost members, but that’s not as likely with private clubs. The investment is too high.”

Nichols says the demographics of the game will change. “More women will play,” he said. “Women account for the largest growth segment among golfers. Women are moving into executive positions in business and play golf for the same reasons many men have played, to make contacts and to conduct business.”

The labor force also will reflect changing demographics as more women enter the profession, at both crew and management levels. “I expect to see women working in landscape areas on golf courses, but interest among women is increasing from crew level through superintendent training.”

Nichols says the number of qualified female employees may not be enough to offset what appears to be a reduction in the golf industry workforce. “Qualified labor is getting more difficult to find.”

Retaining good help is a continuous challenge, he says. “GCSAA has instituted training programs that will help. A better educated employee will be more valuable. That helps the superintendent and ultimately benefits the club and the individual golfer.”

Nichols says the higher education level of superintendents has elevated the profession. “We get more respect. Members understand that we perform important functions and appreciate the job superintendents do.”

Nichols sees other positives for the golf industry in general and GCSAA in particular.

“We’ve developed a closer working relationship with key government agencies. The Environmental Protection Agency, for instance, often asks for our input on impending legislation.

“They know our track record, they see that we’re educated and that we’re trying to protect the environment. They are aware of how well we train our people, too.”

The industry’s affiliation with the Audubon Society of New York State also has been a boon to both organizations. “The Audubon sanctuary program has been good for our industry,” he said. “It’s been responsible for some positive public relations. But it’s a two-way street. Audubon gets new memberships through golf course participation in its sanctuary program.”

Nichols says the certified sanctuary program demands little of most golf course superintendents that they are not already doing.

GCSAA presented its President’s Award for Environmental Leadership to the New York Audubon group during the International Conference.

Nichols faces some daunting personal challenges as well as he balances two full-time jobs this year. “The balancing act will be the biggest chore,” he says. “Meeting all the GCSAA obligations and doing an adequate job here will be tough. It will demand a lot of extra effort, a lot more weekend work than I’d otherwise put in.

“More planning, more delegation and better communication will be critical. Fortunately, I have two outstanding superintendents working the two 18-hole courses here. Bryan Holshouser and Jim League have been with me for three years and they both do exceptional jobs. I couldn’t take on the GCSAA responsibility without them.”

(Continued on Page 35)
The golf superintendent's answer to increased and consistent green's speed.

**BENEFITS TO GOLF COURSE:**
- Reduces or eliminates need for double cutting.
- Allows superintendent to increase cutting height of green to allow for a healthier plant without sacrificing putting speed.
- Speeds up return of putting surface after green maintenance (aerification, top dressing, etc.)
- Provides a near perfect putting surface on greens so balls break more evenly and truer.
- Allows superintendent to provide close consistency of green speed from green to green across entire golf course.
- Allows for year round tournament conditions.

**UNIQUE CHARACTERISTICS OF VERTI-GROOM 360H:**

**UNIQUE STEERING:**
- The VERTI-GROOM 360H employs a hydraulically powered steering and drive system that is controlled by a joystick. This joystick controls left to right travel as well as steering. The advantages of this method are a greatly simplified drive system; you are no longer working with the conventional method of pedals and steering wheels. The joystick is simply pointed in the intended direction of travel; no more compensating the steering with direction of travel for the direction that you wish to go. The below mounted steering cylinder takes all the resistance out of steering the unit as well as making the machine follow a much truer line of travel.

**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.

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

---

**Quick Calibrator**
Quick, easy, accurate calibration.

Are you still calibrating your sprayer the old, difficult way with containers, stop watch and calculator? The patented QUICK CALIBRATOR is all you need to quickly, easily and accurately calibrate your nozzles. Select the nozzle spacing and sprayer speed, then place the QUICK CALIBRATOR under the nozzle. The QUICK CALIBRATOR's computer automatically calculates the application rate and displays it in large, easy-to-read numbers. The QUICK CALIBRATOR even turns itself on and off automatically!
No containers – No stop watch – No calculator.
QUICK, EASY, ACCURATE.
Check your nozzle calibration quicker than you can say “Environmentally responsible chemical application.”
To order or for more information, call today –

**GRACE SIERRA**

**Etec**
Environmental Technologies Equipment Corporation
PRECISION TURF AND CHEMICAL, INC.
(612) 559-5293
Economy —
(Continued from Page 33)
Nichols says GCSAA business takes some 120 days a year, much of that on weekends. And Cherokee Country Club is a private, highly maintained facility that sees heavy play from its 2,000 members.
Member demands are high, but I have had tremendous support for participation in GCSAA. Fortunately, most of our meetings are scheduled for spring, fall and winter. We don’t do much during the summer when our course demands the most work. We have bentgrass greens and summer is the most stressful time for them.”
Nichols has been on the GCSAA board of directors since 1987 and was active with the Georgia Superintendents Association for 10 years before that. He’s accustomed to extra work and balancing the demands of two or more jobs.
But he’s convinced that the sacrifice is justified. “I’ve gained a lot personally from GCSAA responsibility,” he said. “I’ve met a lot of people: superintendents, folks from USGA, PGA, the Club Managers Association and some from other parts of the industry.
“I’ve traveled to other parts of the country and to other nations. I understand golf from a broader perspective because I have sat down and talked with superintendents from all over the world. The more I understand the problems they face, the better I can do my job here.
“The worst thing a superintendent can do is spend too much time looking at his own course. Visiting other courses teaches us a lot.”
But he added that working for GCSAA is more than a personal goal. “I’m doing this for the industry,” he said. “It’s important that we get involved.”
That involvement may take him away from his course a good many days a year, but the things he learns, the perspective he gains and the people he meets will make him a better superintendent and will benefit his members.

When Interviewing Someone for a Job,
Ask Proper Questions
When interviewing prospective employees, always remember that you can’t legally ask some questions:
• What is your religion?
• Do you have any school-age children?
• Are you married?
• Have you ever been arrested?
You are permitted to ask:
• Will there be any problems if you are asked to work late, or on a weekend?
• Are there any reasons why you might not be able to make an overnight business trip?
• Skip any questions on marital status until a candidate has been hired. Then, you may ask only such questions necessary for insurance and other legitimate purposes.
• Have you ever been convicted of a felony? (Ask only if job-related.)
The profession prepares for the upcoming season.

SAVE AND CLIP

Save 15% on Hydro-Wet® RTA before April 30, 1993.

Then clip healthy greens all season long!

Ordering early always makes good sense. With Hydro-Wet RTA you benefit twice.

First, you save a big 15% pre-season discount on all purchases before April 30. Then, the superior action of Hydro-Wet keeps paying off. It has 24% greater residual value than the leading wetting agent, so it helps retain sub-surface water longer.

For extra savings now—and extra healthy greens all summer long—clip this ad and give us a call today.

KALO

PRECISION TURF AND CHEMICAL, INC.
3145 SYCAMORE LANE NORTH
PLYMOUTH, MN 55441

METRO
(612) 559-5293

OUT STATE
(800) 925-TURF
JOHN DEERE
2653 PROFESSIONAL UTILITY MOWER

- ERGONOMIC DESIGN
- HYDRAULIC DRIVEN ESP REELS
- HYDROSTATIC DRIVE
- HYDRAULIC WEIGHT TRANSFER
- EASY ACCESS MAINTENANCE

Designed for operator comfort with convenient control location, power steering and foot controlled hydrostatic drive.

ESP reels and bedknives are made of induction hardened, high impact steel that holds an edge longer. Precision adjustment system gives you the extra confidence of a uniform cut day after day.

Hydraulic driven reels for maintenance free operation without belts.

Hydraulic weight transfer allow you to mow the tough spots without turf scuffing. Optional three wheel drive available.

POLFUS IMPLEMENT
1409 HWY 64 EAST
NEW RICHMOND, WI

(612) 439-6776 or (715) 246-6565

"ON THE CUTTING EDGE!"
By now most of you have opened your facilities and are well into spring clean-up and tidying up any loose ends of last fall. I wasn’t quite sure if the seasons were ever going to shift gears with the sub-zero weather we experienced in March.

In retrospect, the month of March 'twas the season for an education. The Pesticide Application re-certification held at the Northland Inn was attended by 272 members. I would like to thank Wayne Daly and his staff for making this program available to the M.G.C.S.A. on an annual basis. It is a convenient and timely method for us to obtain re-certification of our pesticide applicators’ licenses.

Robert Muir Graves and Geoffrey S. Cornish made an appearance the following week to present their ever-popular “Golf Course Design Principles.” Bob had the first day on his own as Cornish got hung up on the East Coast by the storm of the century.

The U.S.G.A. put on a seminar at the Town & Country Club. Host Superintendent Bill Larson along with the clubhouse staff are to be commended for a relaxing atmosphere and fine luncheon.

The agenda included a little of everything from turf tips to golf club research. If I understand the research that’s being done in Far Hills, New Jersey on clubs and balls correctly, I should probably invest in a new set of woods and stop paying so much attention to compression in balls.

At this writing the Spray Tech Seminar at Midland Hills, Host Superintendent Scott Austin, is yet to be held. Be sure to drill those that attended for what is sure to be some valuable information.

The Baker Park Leachate study is in and will be presented in a two-part series beginning with this issue of Hole Notes. Read it carefully and wait for the follow up in the May issue to get all the facts.

My apologies to Bill Johnson and Paul Mayes for not reporting their successes at the G.C.S.A.A. Championship held in San Diego. Bill was runner-up in the Senior Flight with scores of 79-78 while Paul roughed it out in the first flight placing 8th with scores of 82-76.

As you know, our April Meeting site is at the Mankato Golf Club. Our hosts, Fred Taylor and the soon-to-be-retired “Boots” Fuller, will prepare a fun-filled afternoon complete with a swap meet and retirement banquet in Mr. Fuller’s honor. I know this is a busy time of year for everyone. However, with the opportunity to buy and sell a few items for or from your facility along with the celebration of a long term professional within our association deems extra special attention.

I hope to see you there and until next month, goodbye snow mold, hello dollar spot.
OSMAC® Irrigation Control System

OSMAC can convert ANY irrigation control system.

Using the hand-held portable radio, you can command your irrigation system from anywhere on your course. You can command your system to run any station or group of stations you choose either sequentially or simultaneously, when you choose it.

And, with either the hand-held portable radio or a telephone, you can even command your system from your home, when that’s more convenient.

MTI DISTRIBUTING CO. TORO

MAIN OFFICE:

PLYMOUTH
14900 21ST AVE NO
PLYMOUTH, MN 55447
612-475-2200
1-800-362-3665

FRIDLEY
8041 RANCHERS ROAD
FRIDLEY, MN 55432
612-785-2430

BURNNSVILLE
1103 RIVERWOOD DRIVE
BURNSVILLE, MN 55337
612-890-3720

FARGO
4310 MAIN AVE
FARGO, ND 58104
701-281-0775
1-800-782-1031