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SUBDUE TURF PAKS*ALIETTE WDG*BAYLETON*TRUE BLUE WSP*BANNER GEL PAKS*3336 WP*SIGNAL WSP*SUBDUE WSP*DISSOLVE

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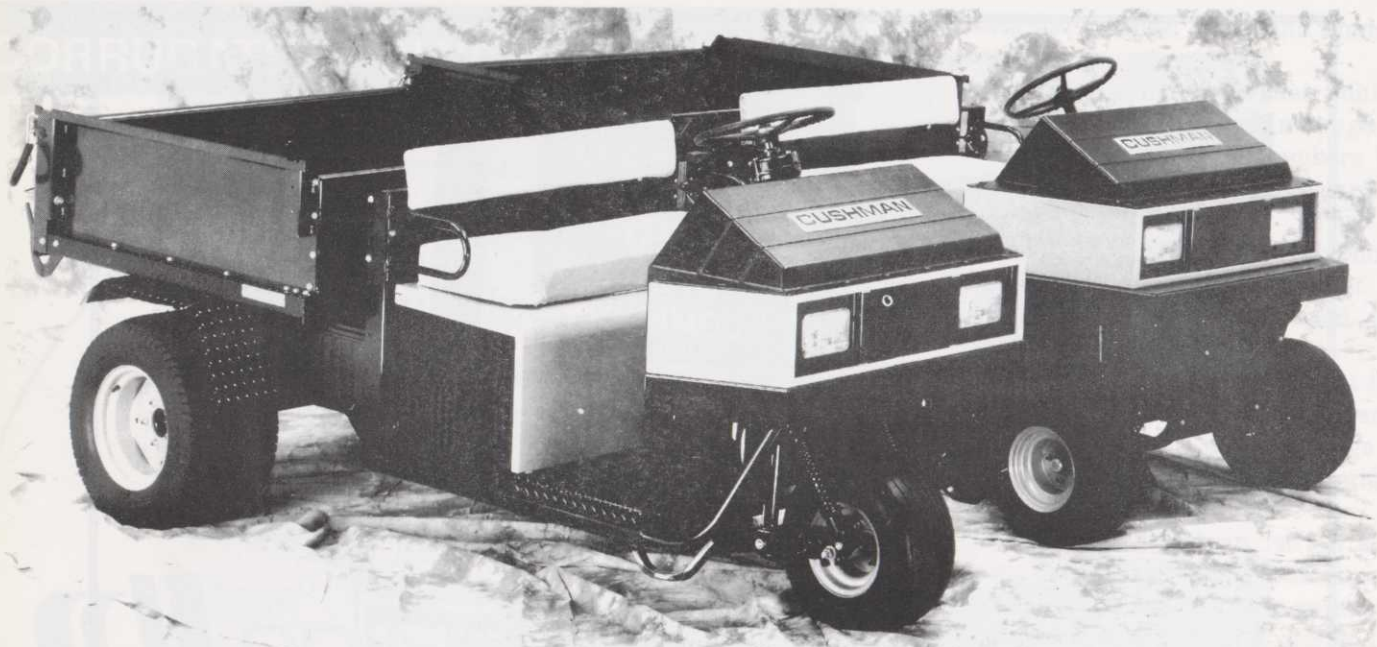
1-612-454-3106

3-wheel 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.*

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

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



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RANSOMES
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Built to Last

Incorporate intelligent engineering, quality assembly and top-grade material and you end up with a built-to-last Ryan product. Dependability doesn't just happen—it's designed and built into every Ryan product. For ongoing, reliable performance, look for the Ryan name.



■ The Greensaire[®] 24 Aerator

With the Greensaire 24 Aerator, you'll save time getting golfers back on the course. The 2" x 2" pattern delivers 36 holes/sq. ft. That is 110,000 more holes and brings up 30% more material per average 10,000 sq. ft. green than the competition. The result is a smoother putting surface, more soil removal, better root development and quicker healing.

Four sizes of tines, ranging from 1/4" to 5/8" in diameter, allow proper core cultivation any time of the year and under varying soil conditions. The tines penetrate up to 3" on 2" centers, removing up to 36 cores per square foot.

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for a free on site demonstration.



■ The GA[™] 30 Aerator

The GA 30 combines the versatility of variable core spacing, the speed of a riding machine, and the precision coring of Ryan's unique crank and ground drive return mechanism. You can aerate greens and fairways at a depth up to 3 3/4" with a single piece of equipment.

For tight patterns on greens or wider patterns on fairways, simply move the spacing adjustment control to the desired setting, lock it in place, and you're ready to go. The rate of travel automatically adjusts to the pattern selected. Pattern adjustment can be done from the seat while the unit is operating.



**CUSHMAN
RANSOMES
RYAN**

Driven to be the best.

CUSHMAN MOTOR CO., INC. **CUSHMAN
TURF-CARE
EQUIPMENT**

Proven Stress Relievers

1. Get up fifteen minutes earlier in the morning. The inevitable morning mishaps will be less stressful.
2. Prepare for the morning the evening before. Set the breakfast table, make lunches, put out the clothes you plan to wear, etc.
3. Don't rely on your memory. Write down appointment times, when to pick up the laundry, when library books are due, etc. (The palest ink is better than the most retentive memory.—Old Chinese Proverb)
4. Do nothing which, after being done, leads you to tell a lie.
5. Make duplicates of all keys. Bury a house key in a secret spot in the garden and carry a duplicate car key in your wallet, apart from your key ring.
6. Practice preventive maintenance. Your car, appliances, home and relationships will be less likely to break down/fall apart "at the worst possible moment."
7. Eliminate (or restrict) the amount of caffeine in your diet.
8. Procrastination is stressful. Whatever you want to do tomorrow, do today; whatever you want to do today, do it now.
9. Plan ahead. Don't let the gas tank get below one quarter full, keep a well-stocked "emergency shelf" of home staples; don't wait until you're down to your last bus token or postage stamp to buy more, etc.
10. Don't put up with something that doesn't work right. If your alarm clock, wallet, shoe laces—whatever are a constant aggravation, get them fixed or get new ones.
11. Allow 15 minutes of extra time to get to appointments. Plan to arrive at an airport one hour before domestic departures.
12. Be prepared to wait. A paperback can make a wait in a post office line almost pleasant.
13. Always set up contingency plans, "just in case." (If for some reason either of us is delayed, here's what we'll do. . ." kind of thing; or, "If we get split up in the shopping center, here's where we'll meet.")
14. Relax your standards. The world will not end if the grass doesn't get mowed this weekend.
15. Pollyanna-power! For every one thing that goes wrong, there are probably 10 or 50 blessings—count 'em!
16. Ask questions. Taking a few moments to repeat back directions, what someone expects of you, etc. can save hours. (The old saying, "the hurrieder I go, the behinder I get," idea applies.)
17. Say "NO!" Saying no to extra projects, social activities and invitations you know you don't have the time or energy for takes practice, self-respect and a belief that everyone and every day needs quiet time to relax and to be alone.
18. Unplug your phone. Want to take a long bath, meditate, sleep or read without interruption? Drum up the courage to temporarily disconnect. (The possibility of there being a terrible emergency in the next hours or so is almost nil.)

19. Turn "needs" into preferences. Our basic physical needs translate into food and water, and keeping warm. Everything else is a preference. Don't get attached to preferences.

20. Simply, Simplify, SIMPLIFY.

21. Make friends with nonworriers. Nothing can get you into the habit of worrying faster than associating with chronic worriers.

22. Take a hot bath or shower (or a cool one, in summertime) to relieve tension.

23. Wear earplugs. If you need to find a quiet spot at home, do it.

24. Get enough sleep. If necessary, use an alarm clock to remind you to go to bed.

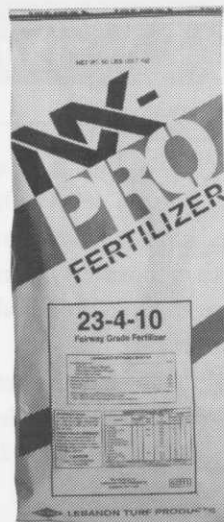
25. Create order out of chaos. Organize your home and workspace so that you always know exactly where they belong, and you won't have to go through the stress of losing things.

26. When feeling stressed, most people tend to breathe in short, shallow breaths. When you breathe like this, stale air is not expelled, oxidation of the tissues is incomplete, and muscle tension frequently results.

27. Writing your thoughts and feelings down (in a journal, or on paper to be thrown away) can help you clarify

(Continued on Page 25)

We Stole Your Great Idea.



Now, for about the same price as a blend, Lebanon Turf Products is offering a homogeneous line of everything from greens grades to fairway grades that lets you use your choice of nitrogen. SCU or Nutralene™.

Thanks to a little market research help from The Center for Golf Course Management, GCSAA's research subsidiary, and more than 900 willing superintendents, the result is NX-PRO®.

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Stress Relievers —

(Continued from Page 24)

things and can give you a renewed perspective.

28. Try the following yoga technique whenever you feel the need to relax: inhale deeply through your nose to the count of eight. Then, with lips puckered, exhale slowly through your mouth to the count of 16, or for as long as you can. Concentrate on the long sighing sound and feel the tension dissolve. Repeat 10 times.

29. Inoculate yourself against a feared event. Just as a vaccine contains a virus that can protect you from illness, if you expose yourself to one or more of the dreaded aspects of an experience beforehand, you often can mitigate your fears.

30. When the stress of having to get a job done, diversion—a voluntary change in activity and/or environment may be just what you need.

31. Get up and stretch periodically if your job requires that you sit for extended periods.

32. One of the most obvious ways to avoid unnecessary stress is to select an environment (work, home, leisure) which is in line with your personal needs and desires. If you hate desk jobs, don't accept a job that requires you to sit all day. If you hate to talk politics, don't associate with people who love to talk politics, etc.

33. Learn to live one day at a time.

34. Everyday, do something you really enjoy.

35. Add an ounce of love to everything you do.

36. Talk it out. Discussing your problems with a trusted friend can help clear your mind of confusion so you can concentrate on problem solving.

37. Do something for somebody else.

38. Focus on understanding rather than on being understood, on loving rather than on being loved.

39. Do something that will improve your appearance. Looking better can help you feel better.

40. Become more flexible. Some things are worth not doing perfectly and some issues are well to compromise upon.

41. Eliminate destructive self-talk, "I'm too old to . . .," "I'm too fat to . . ." etc.

42. Use your weekend time for a change of pace. If your work week is slow and patterned, make sure there is action and time for spontaneity built into your weekends. If your work week is fast-paced and full of people and deadlines, seek people and solitude during your days off.

43. Worry about pennies and the dollars will take care of themselves.

44. Do one thing at a time. When you are with someone, be with that person and with no one or nothing else. When you are busy with a project, concentrate on doing that project and forget about everything else you have to do.

45. Allow yourself time—everyday—for privacy, quiet, and introspection.

46. If an especially "unpleasant" task faces you, do it early in the day and get it over with. Then the rest of your day will be free of anxiety.

47. Learn to delegate responsibility to capable others.

48. Don't forget to take a lunch break. Try to get away

from your work area in body and mind, even if it's just for 15 or 20 minutes.

49. Forget about counting to 10, count to 1000 before doing something or saying anything that could make matters worse.

50. Have a forgiving view of people and events. Accept the fact that we live in an imperfect world.

51. Have an optimistic view of the world. Believe that most people are doing the best they can.

Riverside Behavioral Services
Mental health intake telephone number for
children, adolescents, adults and seniors'

(612) 371-6600 Answered 24 hours

1994 State Golf Schedule

May

- 21-22 MPGA State Seniors Championship,
Monticello Country Club, Monticello
- 23 USGA Open Local Qualifying,
Willingers Golf Club, Northfield
- 31 MGA-PGA Cup Matches,
The Links at Northfork, Ramsey

You Are Someone Special Believe in Yourself

Throughout the year we teach about importance of families and their uniqueness. In her book, *Traits of a Healthy Family*, Dolores Curren lists characteristics for keeping families healthy. Following is a list of some of these traits:

1. The healthy family communicates and listens.
2. The healthy family affirms and supports one another.
3. The healthy family teaches respect for others.
4. The healthy family develops a sense of trust.
5. The healthy family has a sense of play and humor.
6. The healthy family exhibits a sense of shared responsibility.
7. The healthy family teaches a sense of right and wrong.
8. The healthy family has a strong sense of family line and tradition.
9. The healthy family has a balance of interaction among members.
10. The healthy family respects the privacy of one another.
11. The healthy family values service to others.
12. The healthy family values timetables and conversation.
13. The healthy family shares leisure time.
14. The healthy family admits to seek help with problems.

Overseeding Fairways, Tees And Greens to Control *Poa Annua* Problems

By Mark G. Grundman, Sr. Turf Specialist
NK Medalist

More and more golf courses are following the trend toward lowering mowing heights and allowing more play. This trend, while bringing in more revenues, seems to be allowing more and more *Poa Annua* encroachment in our fairways, greens and tees.

With this encroachment, are you running into more modeling effects, disease susceptibility, less drought tolerance and more mid-summer die-back?

If so, overseeding on a regular basis can be your salvation.

With current studies now showing that in five year programs of overseeding, shoot density increased every year of the study. We have also found that it is desirable to use higher seeding rates with lower cutting heights. This is because lower cutting heights require more plants per square foot to maintain one hundred percent cover. The one pound of Bluegrass seeding rate per one thousand square feet, listed in most text books, works well when grasses are mowed at three inches. Research now indicates that seeding rates should be doubled for every halving of cutting height. For instance, while a one pound overseeding rate might be acceptable for a three inch cut, a two pound rate will be better for a one and one-half inch cut and a four pound rate

for a three-quarter inch mowing height. This provides the desired shoot density of the stand without the usual "Equalibration" period.

Also, effects of Kentucky Bluegrass, Ryegrass and Bentgrass seeding rates on encroachment of Annual Bluegrass is quite profound. Using a low seeding rate or a weak cultivar will **open the door** for invasion of Annual Bluegrass. This invasion can occur simultaneously with emergence of blues, ryes and bents anytime within the first six months to a year after planting, due to a thin stand. Heavier seeding rates along with use of proper grass varieties and species in heavy Annual Bluegrass areas showed significant advances in reducing Annual Bluegrass problems.

Ideal seeding rates to control the previous problems are:

Kentucky Bluegrass: 2-3 lbs. per 1,000 sq. ft.

Perennial Ryegrass: 4-8 lbs. per 1,000 sq. ft.

Creeping Bentgrass: 1-2 lbs. per 1,000 sq. ft.

High perennial seed counts in your soils can counteract *Poa Annua* problems of the future.

The days of mid-summer turf loss can be over with annual overseeding programs integrated into your annual maintenance programs.



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(612) 687-0282

Comparing Organic and Inorganic Fertilizers

All fertilizers should provide nutrients to plants for growth and development. The sources of nitrogen in fertilizers can differ, being either organic or synthetic. Do organic fertilizers have a performance advantage over inorganic versions?

According to Dr. Mike Agnew of Iowa State University, manufacturers of organic fertilizers claim many additional benefits. These include:

- reduced disease activity
- thatch build-up reduced
- thatch reduction
- reduced soil compaction
- nitrate movement reduced

The physical properties of some organic fertilizers **could** allow some secondary benefits from their usage.

The nitrogen in organic fertilizers is present in amine groups and must be converted to ammonium before it can be absorbed by the plant, a process called ammonification. As organic matter is decomposed, amine groups are converted to ammonium ions.

Ammonium ions can also be converted to nitrates. This process is called nitrification.

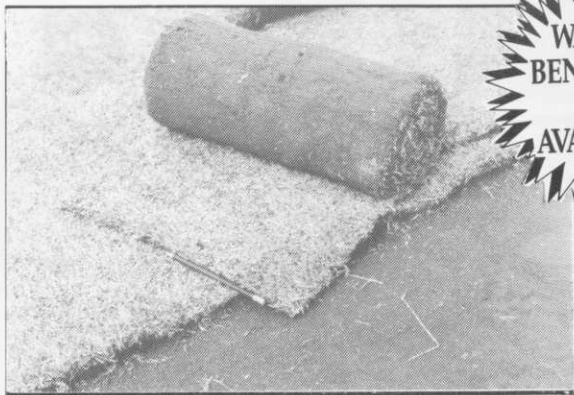
Natural organic fertilizer sources include plant by-products, animal waste and sewage sludge. Interest has been renewed in organic fertilizers due to environmental issues and sustainable agriculture, Dr. Agnew reported. "There is growing evidence that some natural organic nitrogen sources reduce disease activity on golf course greens," he said. Yet he cautioned that diseases are only suppressed so fungicide treatment may still be necessary.

Iowa State University research has not found a link between reduced thatch build up and organic fertilizers. The microbial activity was suspected of enhancing the decomposition of thatch, but this experience was not documented. Build-up of organic matter in the soil and reduced nitrate movement are other potential benefits.

Any benefits other than enhanced plant growth and development are secondary to the real purpose of fertilizer, regardless of its origin. When choosing a fertilizer program, your sales professional can help you make the best choices for your needs.

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Sod Types

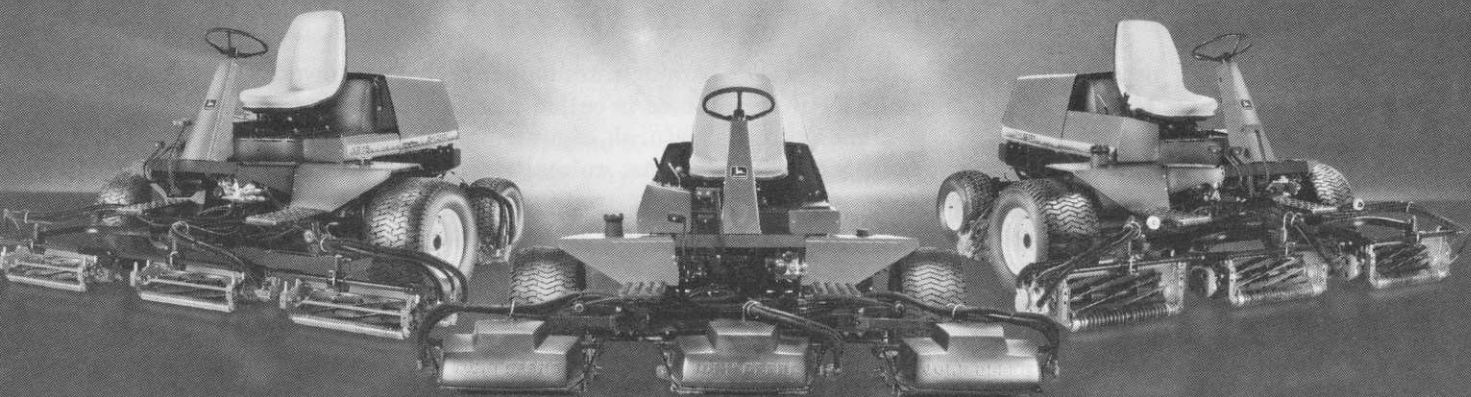
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"Sod is Our Foundation"



You just can't beat THE SYSTEM

Introducing the new 3215 and 3235 mowers

Good news. The days of "one-size-fits-all" lightweight fairway mowing just ended.

Now, with the new John Deere 3215 Turf System I and 3235 Turf System II Mowers, you get the ground hugging benefits of 22-inch cutting units regardless of what turf surface you work on.

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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32 hp	✓	✓

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and transitional-season grasses.

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GCSAA Goes "Prime" Time

Golf course management and a different view of the world of golf will be the feature attractions in an upcoming weekly television show to air on PRIME, a national sports cable television network, and its affiliates.

The show, entitled "Par for the Course," produced by the Golf Course Superintendents Association of America (GCSAA), started on March 28 on PRIME. GCSAA President Joseph G. Baidy, CGCS, made the announcement.

Every week, "Par for the Course" will take an innovative look at the world of golf by presenting topics on the game's cutting edge. Each episode is 30 minutes in length and the entire series will run for 13 weeks.

"'Par for the Course' is unique in its format because it seeks to entertain and educate viewers not only about how to play the game of golf, but also what it takes to make the game enjoyable," Baidy said.

Because most golfers and other casual observers are not fully aware of the benefits a golf course can provide, "Par for the Course" will spotlight regular features about golf's environmental attributes and other course management issues. Education on etiquette, golfers' responsibilities and rules of the game will also be emphasized.

In addition, each week "Par for the Course" will highlight great places anyone can play, conversations with major figures in the world of golf, practical golf instruction and trends shaping golf's future.

"Par for the Course" will be written and produced by GCSAA. GCSAA Public Relations Manager Scott Smith

will produce the show and veteran sportscaster Duke Frye will serve as co-producer and host of the show. Smith and Frye both bring extensive backgrounds in television production. Smith has been a writer/producer of video, film and cable television programs for nearly 13 years. Frye, a 16-year broadcasting veteran, was formerly a sports anchor at KPRC-TV, Houston. Frye also hosts and produces programs for the Kansas City Royals Television Network, and provides play-by-play commentary for PRIME.

PRIME is distributed to 22 regional sports networks nationwide, serving more than 40 million subscribers. PRIME's global division, Prime International, currently distributes programming around the world to affiliates in Asia, Europe and South America.

At this time, 19 of the 22 affiliates and the international division have agreed to distribute "Par for the Course."

"'Par for the Course' represents an excellent investment by GCSAA to increase awareness and enhance the image of golf course superintendents around the country and around the world," Baidy said. "Plus, it's yet another opportunity for viewers to discover what makes golf such a great game."

Headquartered in Lawrence, Kan., GCSAA is a 13,300-member international professional association dedicated to promoting the principles and techniques of responsible golf course management. Its members are the men and women who maintain the playing fields of golf.



What a foursome — Dan Evavold, MTI, Mike Redmond, O.M. Scotts Co, Jerry Cerise, MTI and Russ Adams.

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