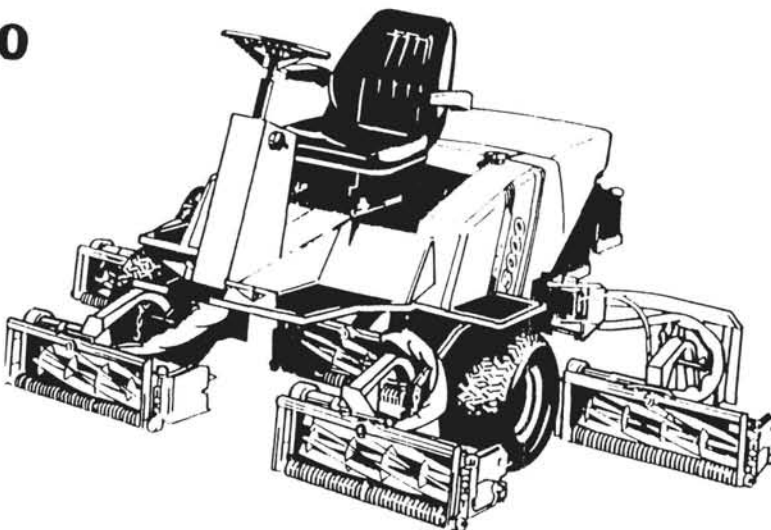


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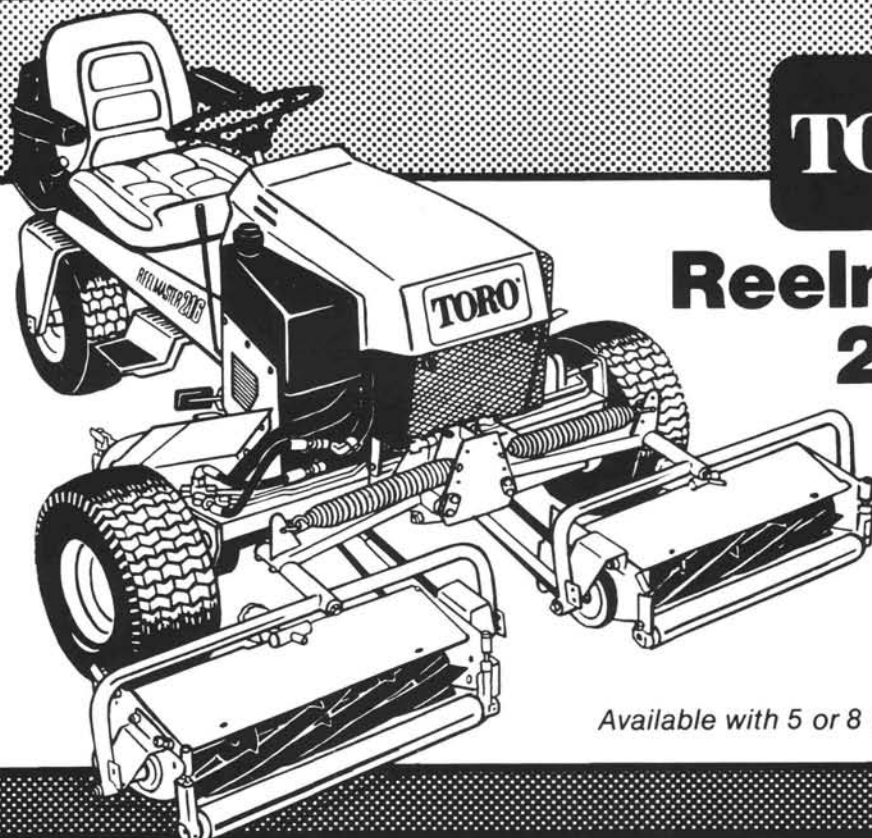
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Midwest Breezes



Upcoming Events — Mark Your Calendar

November 8 — Midwest Turf Clinic & Annual Meeting at Medinah C.C.

November 28-30 — Turfgrass & Ornamental Chemical Seminar, Purdue University. Contact Jeff Lefton (317) 494-9737.

December 4-7 — Ohio Turfgrass Foundation Conference. Contact John Street (614) 292-2601.

December 12-14 — NCTE at Pheasant Run Resort

January 10-11 — MAGCS & GCSAA Seminars at Pheasant Run Resort

January 22-24 — Midwest Regional Turf Conference, Indianapolis, IN

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Colonel James B. Irwin Prayer Breakfast Speaker

There are more than five billion people on planet earth. Only twelve of them have walked on the moon. Colonel James B. Irwin is one of them.

As a determined young man, Jim Irwin set his sights high. He graduated from the U.S. Naval Academy and received a Master of Science degree from the University of Michigan. Upon graduation from the Naval Academy, he was commissioned in the Air Force. In 1961



he graduated from the Experimental Test Pilot School and in 1963 from the Aerospace Research Pilot School.

In 1961 Irwin was in a near-fatal airplane crash. But, through sheer determination, the skill of attending physicians and the grace of God, Irwin recovered. In 1966 NASA selected him for the Apollo space program. He was a support crewman on Apollo 10 and back-up crewman on Apollo 12. In the Apollo 15 mission he was the lunar module pilot and became the eighth human being in history to set foot on the moon.

He retired from the Air Force in 1972 and formed High Flight Foundation for the purpose of helping his fellowman aspire to the "high flight of life." He is an author of three motivational books and a popular speaker before business, civic and religious groups.

He holds honorary doctorate degrees from three universities and has been awarded numerous military, community, and service awards.

"Fall Sonata"

November, with Thanksgiving and All,

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The Golf Course extends It's final Treat,

A Rhapsody in Leaves, beauty in each beat.

This wonderful picture, offered each Fall,

Is a Royal treat, given to All.

While We marvel at Fall's teasing,

We find it always very pleasing.

Kenneth R. Zanzig

Midwest Assn. of Golf Course Supts. Midwest Turf Clinic November 8, 1989

Cost: \$60.00

- 9:00-10:00 Coffee and Rolls
- 10:00-10:10 Opening Remarks
- 10:10-10:30 Coming to Medinah — Dan Quast, CGCS
- 10:30-10:45 U.S. Senior Open and the Aftermath - Brian Bossert
- 10:45-11:00 Fairway Renovation — Steve Cook
- 11:00-11:30 Colorful Water Features: Water Lilies - Robert Steinbach
- 11:30-11:45 Mechanic Association Update — John Maguire
- 11:45-12:00 Creativity with Landscape Timbers - Kevin De Roo
- 12:00- 1:00 Lunch
- 1:00- 1:20 The Right to Know Act Affects You - Ron Johnson
- 1:20- 1:35 The Locusts are Coming — Randy Miller
- 1:35- 1:50 Keeping the Geese Away — Ton Rzadzky
- 1:50- 2:20 The Fast Lane in Course Construction - Greg Martin
- 2:20- 2:30 Questions and Answers
- 2:30- 3:00 What's Happening With the GCSAA — Gary T. Grigg, CGCS
- 3:00- 3:30 CDGA Involvements — Denny Davenport
- 3:45- 5:00 Annual Meeting
- 5:30 Dinner

The deepest sympathy of the members of the Midwest Association of Golf Course Superintendents is extended to the Breen family due to the death of Robert Breen, Sr. on October 10, 1989.

Clauss Brothers, Inc. has an opening for a working foreman/assistant at Kemper Lakes Golf Course. For more information call Doug Quiram at (708) 438-5610

Looking for an Assistant? Call Jim Mzhickteno at (407) 239-5773 his work phone or (407) 363-1846 home phone. He is presently an assistant and has been in the golf business a long time for a 27 year old man.

Mechanic Wanted. Call Roger Stewart at Stonebridge C.C. (708) 898-6139. Small engine experience is a plus.

(Proper Restitution cont'd.)

world do you put a dollar amount on the putting quality of these greens for the tournament. My pride has been hurt, so the proper amount of restitution would be to allow me to take a 9-iron to their car. I completed the report as follows estimating actual costs with no mention of a 9-iron.

"POLICE REPORT"



Administration Office
West Ridge Center
636 Ridge Road
Highland Park, IL 60035
312-831-9810

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August 8, 1989

Officer Cohen
Highland Park Police Department
1677 Old Deerfield Road
Highland Park, IL 60035

Re: Vandalism Repair Costs to #12 & #13
Greens from Damage Reported 7/11/89

Dear Officer Cohen:

Listed below are repair costs to Greens #12 and #13.

#13 Green - Immediate/Temporary Repairs (7/11-15/89)

Hand Labor (Plugging)	\$ 200.00
Hand Watering	20.00
Hand Topdressing	10.00
5 sq.yds. of Bentgrass Sod	50.00
Pesticide Spray Application	50.00
	\$ 330.00

#12 Green - Immediate/Temporary Repairs (7/11-15/89)

Hand Labor (Plugging)	\$ 60.00
Hand Watering	10.00
Hand Topdressing	10.00
1 yd. of Bentgrass Sod	10.00
Spray Application	50.00
	\$ 140.00

Permanent Repair Costs (Actual costs to restore area to original quality)

Aeration - #12 & #13 Greens (Twice)

2 men/hr/aerating -	\$ 20.00
2 aerator machines	100.00
3 men/1 hr/cleanup	30.00
	\$150.00 x 2 = \$300.00

Topdressing - #12 & #13 Greens (Twice)

2 men/1 hr/topdressing -	\$ 20.00
1 topdresser	100.00
1 truck	30.00
2 cu.yds. sand	30.00
	\$180.00 x 2 = \$360.00

Spray Applications - Fung./Fert./Wetting Agent

3 applications @ \$50 ea. =	\$150.00
+ 25% overhead (gas, oil, etc.) =	\$282.00
TOTAL COST	\$1,412.00

Sincerely,

Brian Green

Brian Green
Greens Manager

BG:ai

CELEBRATING 80 YEARS OF SERVICE

In this report to the Police, I attempted to put a realistic dollar amount on the actual costs to return the areas to normal. This amount reflects estimated costs that would fall between the costs of a new green at \$35,000 and the costs of bentgrass sod at \$2.50 a square yard. Certainly we didn't rebuild the greens, but it also was more damage than the cost of sod alone. Previously, we always reported damage at over \$500 so that we could have a police report completed thoroughly, but for our own accuracy I've taken it a step further by breaking down the costs. This report completed my responsibilities and the remaining restitution is in the hands of the juvenile court system which will try to get reimbursement in the above dollar amount, but also make the offenders do some public service, like cleaning dead fish off our beaches for two months.

Several weeks have past since the incident, the police reports, the tournament and the greens are back to reasonable shape. As a superintendent, do I feel as though our course has seen proper restitution? Speaking as a superintendent, I feel that following this procedure has brought about a lot of restoration.

(cont'd. page 16)

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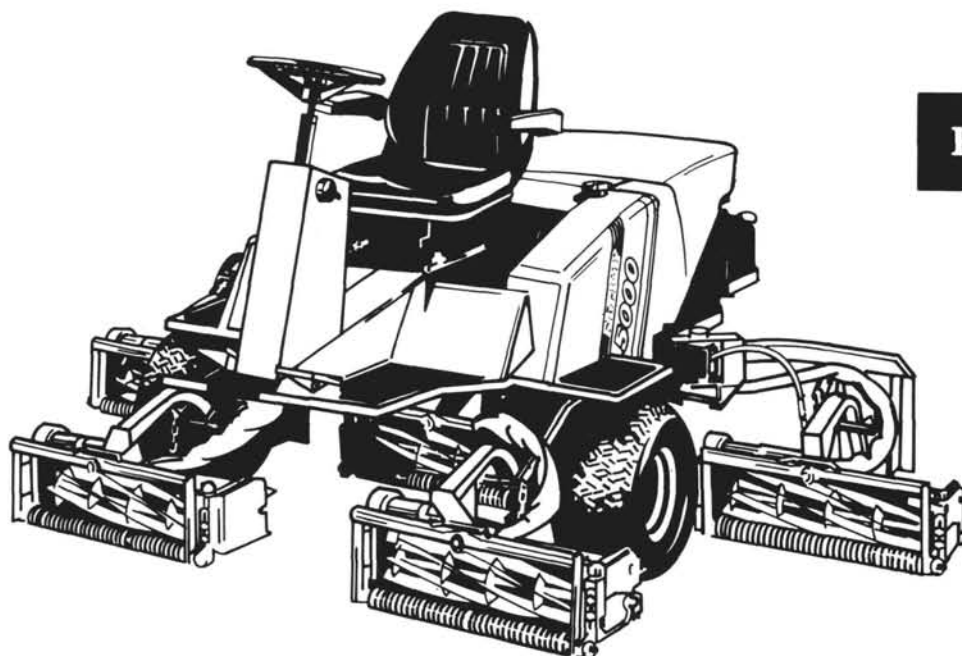
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(Restitution cont'd.)

Because of proper reporting and informing, the offenders were apprehended and charged; golfers didn't blame the maintenance staff for problems on greens; and the staff networked well to handle the situation appropriately. Because of quick and precise work by our staff, the greens showed excellent recuperation, the greens even played acceptably for the tournament, and to date, those greens are in good shape. Maybe still we'll see some restitution from the offenders via the courts as far as dollars and public service. After this is all said and done, I would still like to aerate their faces! Hey! I'm human.

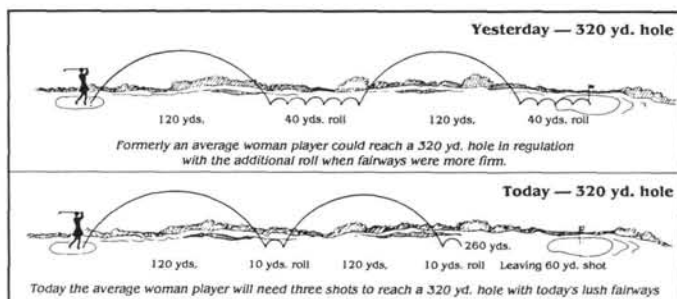
It's Time to Move Forward

Women are making their presence felt in golf, and now golf courses must be adapted to their game, according to the American Society of Golf Course Architects.

With one in four golfers a woman, and 41% of all new golfers women, the Society's members are designing forward tees on most of their new and remodeled courses.

Alice Dye, the only woman member of the Society, points out that research shows the average woman golfer drives the ball about 130 yards. She says that the low handicap woman golfer is most comfortable playing a course that is approximately 5,440 yards long, while the average woman golfer would find a 4,800 yard course most enjoyable.

Support Our Advertisers



The ASGCA architects note that today's lush, watered courses have reduced the roll of the ball. On firm fairways, 33% roll previously was expected and designed into the hole. The two illustrations above show that the average woman golfer could reach a 320-yard hole in regulation with 40 yards of roll, but cannot when the roll is reduced to 10 yards.

Those interested in how forward tees can enhance the playability of a golf course may obtain further information and illustrations by sending a \$5 check to the American Society of Golf Course Architects, 221 N. LaSalle St., Chicago, IL 60601.

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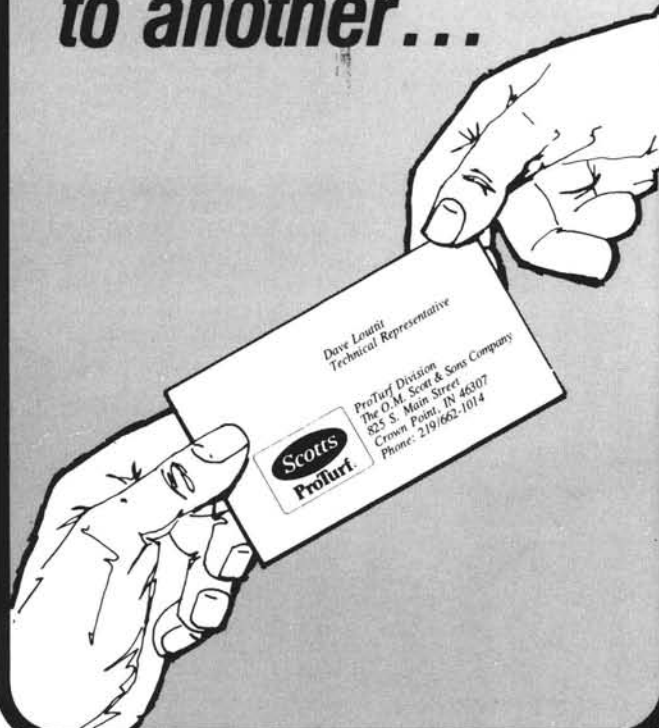
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NGF's Annual "Hot Spots" List Focuses on Public Golf Crunch

JUPITER, Fla. — In its continuing effort to focus national attention on the growing need for more public golf courses, the National Golf Foundation has released its 1989 list of metro areas where its statistics indicate the opportunities for development are the greatest.

Entitled *Hot Spots for Public Golf Course Development*, this year's list identifies and ranks the 50 Metropolitan Statistical Areas (MSAs) reflecting the greatest imbalance between golfers and the number of available of public playing facilities.

According to the NGF's latest statistics, there are on average a total of 3,677 golfers for every 18 holes of public golf in the U.S.

Each of the 50 MSAs on this year's list have more than twice the national average. The Foundation considers these areas potentially ripe for communities, investors, builders and others interested in developing a public golf facility.

NGF research indicates that, at golf's current rate of growth in popularity in the U.S., the number of golfers could easily increase from today's 23.4 million to well over 30 million by the year 2000.

50 Hot Spots for Public Golf Course Development

Metropolitan Statistical Area	Golfers	Golfers Per 18 Public Holes
1. Jersey City, N.J.	60,334	60.334
2. New York, N.Y.	592,956	21,562
3. Texarkana, Tex.-Ark.	9,562	19,125
4. Houma-Thibodaux, La.	15,387	15,387
5. El Paso, Tex.	44,729	14,910
6. Montgomery, Ala.	26,041	13,020
7. Los Angeles-Long Beach, Calif.	819,772	12,421
8. Tuscaloosa, Ala.	12,192	12,192
9. Houston, Tex.	369,291	12,108
10. Albuquerque, N.M.	71,705	11,951
11. Fayetteville, N.C.	23,899	11,950
12. Colorado Springs, Colo.	58,391	11,676
13. San Francisco, Calif.	154,416	11,438
14. Bergen-Passaic, N.J.	141,784	11,343
15. Alexandria, La.	11,226	11,226
16. Dathan, Ala.	11,213	11,213
17. Washington, D.C.-Md.-Va.	353,142	11,211
18. Baton Rouge, La.	43,571	10,893
19. Florence, S.C.	10,827	10,827
20. Hagerstown, Md.	10,612	10,612
21. Baltimore, Md.	153,667	10,598
22. Joplin, Mo.	20,627	10,314
23. Abilene, Tex.	10,237	10,237
24. St. Louis, Mo.-Ill.	372,987	10,219
25. Greeley, Colo.	20,349	10,174
26. Springfield, Mo.	35,288	10,082
27. Laredo, Tex.	10,070	10,070
28. Boise City, Idaho	29,711	9,904
29. Albany, Ga.	9,671	9,671
30. Las Cruces, N.M.	19,197	9,598
31. Dallas, Tex.	273,168	9,585
32. Modesto, Calif.	28,541	9,547
33. New Orleans, La.	99,934	9,518
34. Cumberland, Md.-W. Va.	9,369	9,369
35. New Haven-Waterbury-Meriden, Conn.	93,210	9,321
36. Lafayette, La.	17,789	8,894
37. Middlesex-Somerset-Hunterdon, N.J.	105,304	8,775
38. Atlanta, Ga.	258,816	8,773
39. St. Joseph, Mo.	13,075	8,717
40. Anaheim-Santa Ana, Calif.	215,887	8,303
41. Topeka, Kan.	24,753	8,251
42. Chicago, Ill.	806,811	8,233
43. San Antonio, Tex.	101,787	8,143
44. Williamsport, Pa.	11,993	7,996
45. Memphis, Tenn.-Ark.-Miss.	87,930	7,994
46. Santa Fe, N.M.	15,912	7,956
47. Newark, N.J.	206,391	7,938
48. Great Falls, Mont.	11,794	7,862
49. Fresno, Calif.	58,124	7,750
50. Wichita, Kan.	69,375	7,708

Source: National Golf Foundation

To accommodate this increase in demand, the Foundation is projecting that upwards of 4,000 (or about 400 a year) additional golf courses will be needed. The nation is currently averaging less than 200 new golf facilities per year.

The NGF's interest in stimulating public golf course development is driven by the fact that golf in the U.S. is a predominantly public game, with more than 70 percent of the nearly 500 million rounds played annually being recorded at public facilities.

Unless the rate of new construction can be accelerated, the NGF and other industry leaders believe the overcrowding already being experienced at many of today's public facilities will worsen ... and that public golfers will find it even harder to find places to play.

This year's list indicates that the opportunity for public golf course development is nationwide, with 24 states and the District of Columbia represented.

Topping the list is Jersey City, N.J., with 60,334 golfers per 18 public holes — more than 16 times the national average. New York City, with 21,562 golfers, and Texarkana, TX, with 19,125 golfers are ranked second and third respectively.

The Commuter

by Elon Staats

The city toiler, a slave is he

Who knows not that he lives, you see.

His life is just about in hock

In fact he lives it by the clock.

He vows that some day he will harm

That never-failing morn alarm.

He drinks his coffee, eats his bun

Then buys his paper on the run;

Each morn he hustles to the train

In winter's snow, in summer's rain.

He lines up at the station's door

And hurries to his work once more.

Then at the noon-tide breathing spell

A sandwich doth his hunger quell.

All afternoon he slaves and toils

That someone else may reap the spoils.

At evening when the hour is five

Right then is when he's most alive.

He races to the train again

And crowds in with the other men.

World's problems settled on the train

To hear him tell it, he's got a brain.

Next stop he rushes down the road

To spend the night at his abode.

The morning rolls around again

To another day for slaves called "men."

He seldom sees the sunset rare,

The beasts of field or birds of air.

The fleecy images of clouds

Might just as well be hid in shrouds.

All Nature's streams and creeping vines

Are strangers, as are stately pines.

The "bright lights" are his guiding stars

He's only heard of planet Mars.

His pleasures, pastimes, revelry,

Most always artificial be.

He just exists, nor ponders why

And seldom learns 'till time to die

That richest gifts in this old land

Are free, and made by Nature's hand.

Who can this living robot be?

God help us! It is you and me.

University of Illinois Field Day

Photos by Rick Davis, Flossmoor C.C.



Dr. David Wehner explaining the test plots



Dr. Hank Wilkinson discusses control of Brown Patch.



Dr. Gary King conducting a conifer identification work shop.

MAGCS Seeks 1990 Monthly Meeting Sites

The Midwest Association of Golf Course Superintendents, through its Arrangements Committee, is in the process of establishing a tentative monthly meeting schedule for the next year, 1990. It is, once again, our goal to arrange a geographically balanced schedule with a variety of golf courses for all MAGCS members to enjoy. If you are interested in offering your time and your club or facility for such an event: complete, clip and return the form below to:

Mike Bavier
Inverness C.C.
Palatine, IL 60067
(708) 382-7654

I am interested in hosting a 1990 MAGCS monthly meeting:

NAME _____

CLUB _____

ADDRESS _____

CITY _____

STATE _____

ZIP _____

Specific month for meeting date (if preferred) _____



Dr. Roscoe Randall discusses insect control options for 1989.

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Call Rainmakers Irrigation at 708/420-2531.



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WE OFFER FAST, DEPENDABLE SERVICE — EXPERIENCED IN EXPANSION & RENOVATION OF TEES & SAND TRAPS, IMPROVEMENT OF PATHS, EXCAVATING, BACKHOE WORK, DIRT HANDLING & LEVELING.
IF YOU HAVE ANY QUESTIONS OR NEED REFERENCE OR TESTIMONIALS PLEASE CALL BUSINESS AND ANSWERING SERVICE 963-9088. HOME 963-4510.

Timberline, Inc., 1129 Jefferson, D.G. Ill. 60515, Bill Boyd

Country Club Greens Grade Fertilizers

Gold Cup quality for great-looking greens, tees & fairways.



PRODUCT	TURFGRASS USE	ORGANIC CONTENT	SQ. FEET COVERAGE
Country Club 18-4-10	Greens Tees Fairways	90%	9,000
Country Club 18-3-12	Greens Tees Fairways	70%	9,000
Country Club 18-0-18	Greens Tees Fairways	80%	9,000
Country Club 8-4-24* 100% Sulfate of Potash	Greens Fairway Year Round	30%	12,000*

The particle sizing is a small homogeneous granulation for less mower pickup.

Brian McGuffin

Lebanon
TOTAL TURF CARE

1332 Reichert Road Crete, IL 60417 (708) 672-7537