



Concorde™ SST

BRAND CHLOROTHALONIL

Super Stick Technology For All Seasons...All Major Diseases

New Concorde SST offers proven disease control with maximum staying power. This formulation includes new Super Stick Technology (SST™), with adhesion properties that are bound to set an industry standard for tenacity. A contact fungicide you can use all season, Concorde SST will control 14 turf diseases, including algae, brown patch, dollar spot, leaf spot, melting out, anthracnose, rust and red thread. Its multi-site mode-of-action helps prevent fungicide resistance and is ideal for all turf disease programs. Use it now and all year long. **Find it at www.griffinllc.com**



When you purchase Concorde, you support The GCSAA Foundation's "Investing in the Beauty of Golf" Campaign.



Circle No 108

Insidious Insects

Continued from page 50

Shetlar says superintendents can treat for fire ants effectively with fipronil, the same chemical that eradicates mole crickets. He adds that there's anecdotal evidence that Merit can suppress fire ant populations, but it can take between six to eight weeks to work.

Canker worms – These caterpillars, commonly known as inchworms, can defoliate trees with frightening speed, Shetlar says. Repeated infestations can also weaken a tree's resistance to disease, he says.

"The anecdotal evidence suggests that the Midwest could be in for a larger infestation of this pest," Shetlar says. "They come in cycles of two to three years, and they're cycling back this year."

Shetlar says superintendents can control these insects with pyrethroids.

Redgum lerp psyllid – The Redgum lerp psyllid defoliates eucalyptus trees by sucking the sap from the leaves. The leaves fall off, depriving the trees of nourishment and weakening their immune systems, Gross says.

"We saw a lot of damage last year, and we're afraid it might be back again full throttle," Gross says. "Several courses aren't taking any chances. They've already sprayed their trees with Imid insecticide, which has worked."

Gross says he has also heard of success with a microinjected product called Imicide from J.J. Mauget Co. in Arcadia, Calif. The pesticide is injected into the base of the tree and is carried through its vascular system to the leaves. When the Redgum lerp psyllid eats the leaves, it ingests the pesticide.

Viburnum leaf beetle – The invasion of this European insect will wreak havoc on viburnum, Shetlar says.

"We've been telling superintendents to plant these shrubs because they're low maintenance," Shetlar says. "But if this bug continues to spread, [the shrubs are] not going to be easy maintenance anymore."

The larvae hatch in May, Shetlar says. Entomologists across the country are watching the bug's migration, which has already spread through New York, he says. "We'll tell you in the fall how bad it was," he says.

Black turfgrass ateniis – Pam Smith, superintendent at Blackberry Patch GC in Coldwater, Mich., says she's bracing for the annual invasion of these root-eating bugs. The insects attack cool-season grasses during high-stress periods, so Smith says she's prepared to do battle this month with the adults.

"I knock down the adult beetles with a synthetic pyrethroid to reduce the adult population," Smith says. "Then I hit them

WANTED DEAD

FIRE ANT



Fire ants stream out of their mounds and up the legs of unsuspecting golfers and crew members with lightning speed. Then they all seem to attack at once, as if someone has blown a whistle to begin.

REDGUM LERP PSYLLID



This sap-sucking insect has nefarious plans to destroy more eucalyptus trees than ever before. The Redgum Lerp Psyllid is the worst Australian import since Paul Hogan.

with Merit late in the month to kill the remaining larvae. You know you've been successful when you start seeing the carcasses when you cut cups."

Smith says black turfgrass ateniis is frequently hard to diagnose because the symptoms look like localized dry spot. Gross says the insect isn't only a problem in the Midwest.


"Courses in [the California] area lost a lot of turf last year to that pest," Gross says. "We're monitoring the problem closely this year."

Sodworms, cutworms, billbugs and armyworms – "If you've got dryer than normal conditions, these are the bugs that you're going to see," Shetlar says. "Any insects in the caterpillar family will destroy the crowns of your turf."

The newer chemistries, particularly the neonicotinols, may control more pests than scientists originally thought, Shetlar says.

"Some of these newer chemicals could be called mood-altering drugs for bugs," Shetlar says. "We're going to have to rethink how we use some of them because they're showing great promise on other pests."

With that, Shetlar says he must go because his grandson was calling him outside. It was time to catch some more bugs. ■



Often It's What You Don't See That Makes Our Fertilizers BEST®

BEST® fertilizers are part of the J.R. Simplot Company, one of the largest privately held agri-businesses in the world. Since 1953 BEST has built upon the resources of this leader in research and development, to exceed the expectations of its customers.

BEST professional turf fertilizers lead the industry with a broad mix of technologies, some of which include: homogenous pellets, controlled-release POLYON® PRO™ and TriKote®, stabilized nitrogen UMAXX® and UFLEXX®.

World-class fertilizer has made BEST the preferred choice on every part of a golf course and with every type of landscape. BEST offers a variety of greens grades, pre-plant, controlled-release, herbicide combinations, and specialty formulations to meet specific turf and landscape requirements across the country, and around the globe.

Reliable N-P-K delivery, balanced secondary elements and micronutrients, predictable response, consistent results are what you **will** see every time you apply BEST fertilizers.

BEST backs its distributors with thorough product training and state-of-the-art order processing to ensure you get the precise product you need, when you need it. For all the reasons why we're BEST, visit your distributor or call 800-992-6066.

The logo for Simplot, featuring the word "Simplot" in a white, sans-serif font with a small green leaf icon above the letter 'i', set against a green curved background.

Simplot

X Hole an Xcellent Idea



SHARON GC

Superintendent builds spare hole to play when there's work to be done

BY MARK LESLIE

Problem

How to take a hole out of play, work on it and still have 18 regulation holes.

Solution

Build an extra (or X) hole.

High-flying skaters and death-defying skyriders have the X games. Football has the XFL (for the time being). Now golf has the X hole.

"X stands for extra," says Frank Dobie, superintendent and general manager of Sharon GC in Sharon Center, Ohio, where last September he opened the X hole to play. "We can now close down any hole to work on it and still have 18 holes in play."

This is not a new idea and has been done elsewhere.

"It's something that should be considered when

designing a new course or if there's space on an existing course," Dobie says. "In today's society, no one wants to wait or be inconvenienced, especially club members.

"Players will grumble if they lose a green to play for a day," Dobie notes. "They are really unhappy if it's several weeks while work is being done on a hole. If a green needs to be rebuilt [completely], then the time out of play is unacceptable. Temporary greens cut in the fairway are just not acceptable either."

Problem

The idea for the X hole

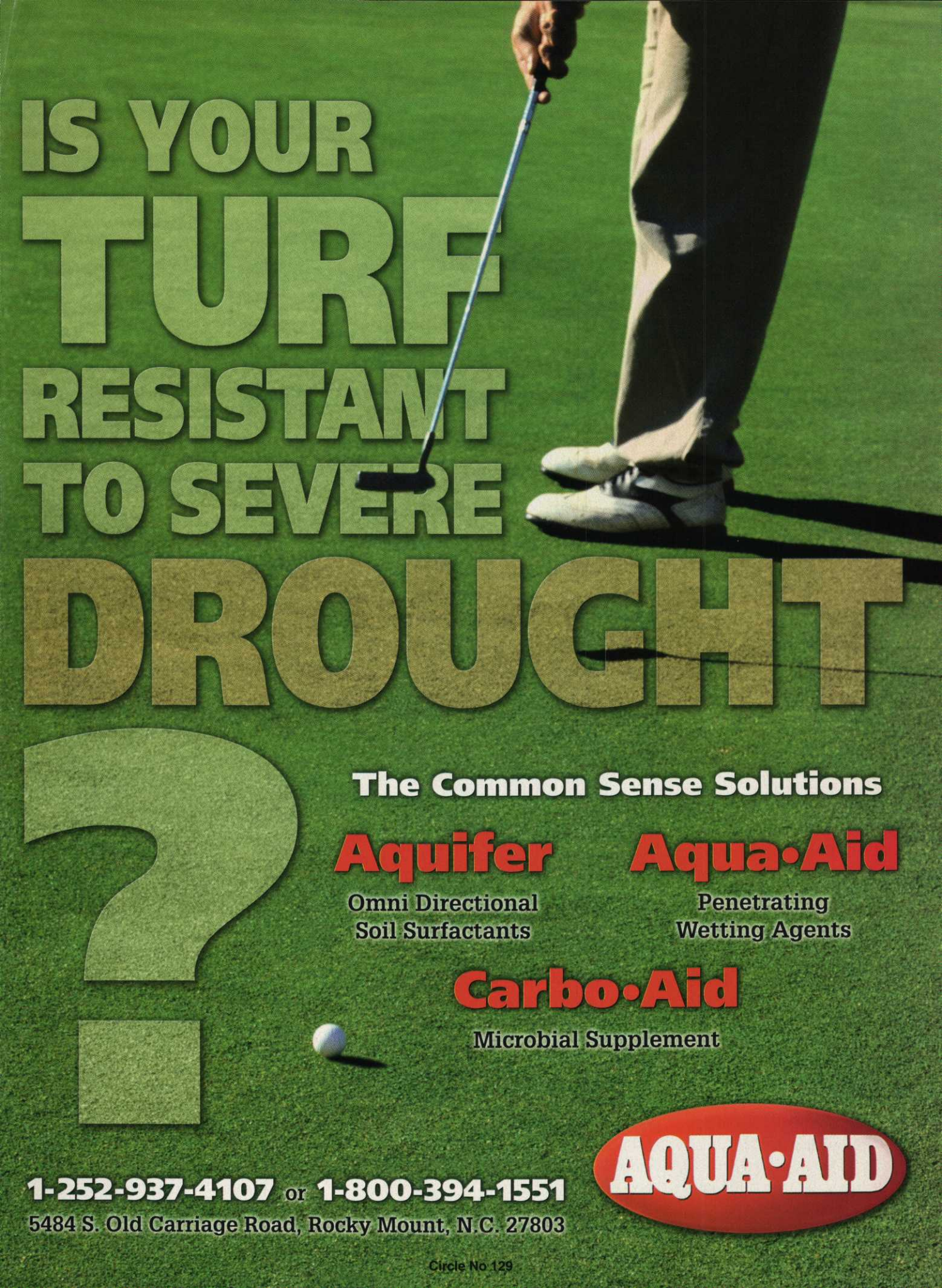
A five-acre plot of land adjacent to the 10th green and 11th tee proved to be the perfect site for the extra hole.

came to Dobie when there was a drainage problem with the seventh green, he says.

"Getting a backhoe and workers in there during play was a nightmare, so we postponed the work until we closed in November," he says. "The weather window here is very short. We got it done, but it is an inefficient and frustrating way to work on a green."

Because he had other greens that needed work,

Continued on page 56



IS YOUR
TURF
RESISTANT
TO SEVERE
DROUGHT



The Common Sense Solutions

Aquifer

Omni Directional
Soil Surfactants

Aqua•Aid

Penetrating
Wetting Agents

Carbo•Aid

Microbial Supplement



1-252-937-4107 or 1-800-394-1551

5484 S. Old Carriage Road, Rocky Mount, N.C. 27803



Real-Life Solutions

Continued from page 54
Dobie knew he needed another solution.

Solution

A spare hole seemed like the best alternative. It happened that a five-acre plot on the northwest corner of the property adjacent to the 10th green and 11th tee was a perfect setting to insert a short par 3.

Coincidentally, the Ohio State Department of Dams told Dobie that a dam on the property should be elevated by 4 feet to meet new water-containment standards.

"In order to do that, we had to have a dense clay, and the only source on the property for this was the same five-acre section," Dobie says.

You could call this the "Perfect Dig." It provided clay for the dam and a 1.3-acre pond for the new par 3, plus the necessary fill dirt for the green and tees.

"We married the two projects and it worked well," Dobie says, adding that he built an alternate 11th tee so that people playing the new X hole could proceed onto the 11th hole. Returning to the original 11th tee would have meant backtracking against following players from the X hole tee. The alternate 11th tee is situated so the hole plays the same distance as from the original tee.

Dobie designed the new hole to be low-maintenance — a par 3 with no fairway to mow and a predomi-



nately fescue rough. "We do have three pot bunkers on that hole, but all the slopes can be mowed with a triplex and the bunkers are large enough to accommodate a power rake," he says.

Dobie says the entire project cost about \$80,000. He hired a local contractor in the fall of 1998 to do the heavy earth moving, so the X hole had the winter to settle. In the summer of

1999, Dobie's staff did the final grading, shaped the bunkers and installed irrigation and drainage.

The USGA-style green was built next, and last June the green was seeded with A-4 bentgrass. The tees were seeded with Penncross bent.

What is Dobie's outlook on the project?

"We accomplished a major project with the dam

(Above) The green complex features three bunkers and a USGA-style green. (Bottom) The near-finished hole at a glance. The entire project cost about \$80,000.

work that was required and added a unique feature that will serve us in the future," he says. "The X hole is like a spare tire. You hope you never need it, but if you do, it saves a lot of grief." ■



Better turf starts with a highly charged root system.

Stimulate root growth and increase the root system of turfgrass with Recharge™. Recharge contains nitrogen-fixing microbes and a microbial stimulant. The microbes colonize the surface of turf roots where they enhance root development. Recharge helps develop deep, viable root systems capable of taking up water and nutrients from deeper in the soil profile and slows, as well as prevents, root die-back.

Recharge improves turf plants' capability to withstand summer stress and maintain better turf quality.

Call 1-888-771-3447 for Recharge, and ask about our performance guarantee, too. Give your turf the highly charged root system it needs to withstand environmental pressures of temperature stress and high traffic throughout the season – go with Recharge.

Recharge™



**ECO SOIL
SYSTEMS, INC.**

Taking care of everything below the shoe

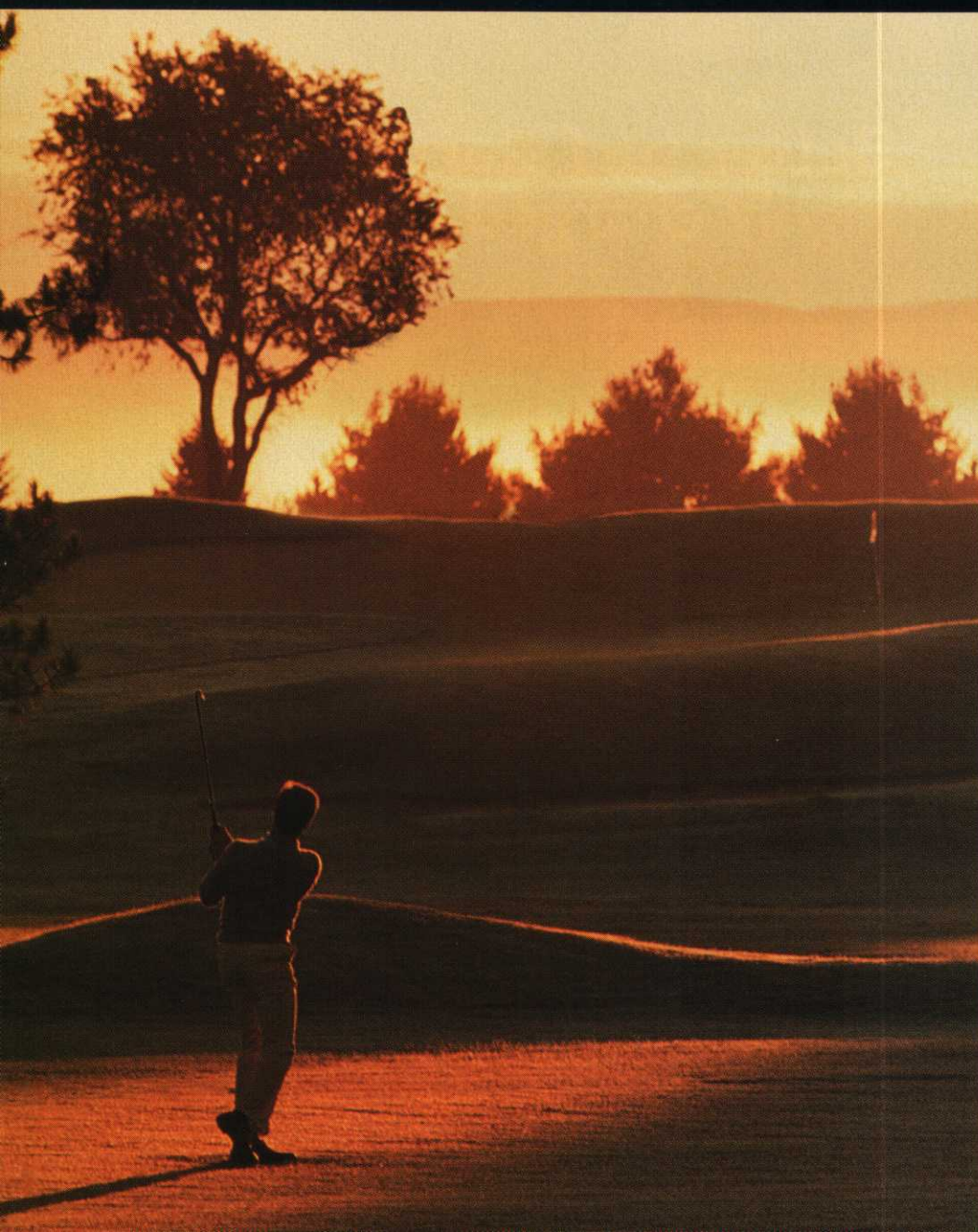
© 2001 Eco Soil Systems, Inc. Recharge is a trademark of Eco Soil Systems, Inc. Always read and follow label directions.

Circle No. 130

It delivers
EVERYTHING

today's superintendent
really needs.

Including a GREAT PRICE.



Ransomes delivers the high-quality, precision cut you expect – without all the nonessential features that can drive up costs. Every model is solidly built in ISO 9001-certified U.S. facilities, providing reliability you can count on for years to come. For more information, or the nearest dealer, call 1-888-922-TURF or visit www.ttcsp.textron.com.

Performance without the price.
RANSOMES
TEXTRON

Circle No. 131

Golfdom

MAY 2001
 This card is void after July 15, 2001

AN **ADVANSTAR** PUBLICATION
 ©2001 Advanstar Communications Inc. All rights reserved.

NAME (please print) _____ JOB TITLE _____
 FIRM _____
 ADDRESS* _____
 CITY _____ STATE _____ ZIP _____
 *Is this your home address? Yes No
 PHONE (_____) _____ FAX (_____) _____
 E-MAIL ADDRESS _____

I would like to receive **GOLFDOM** free each month: Yes No

Signature _____ Date _____

1. My primary business at this location is: (fill in ONE only)

GOLF COURSES

- 01 10 Daily Fee/Public
- 02 20 Semi-Private
- 03 30 Private
- 04 40 Resort
- 05 50 City/State/Municipal
- 06 55 Other Golf Courses (please specify) _____
- 07 60 Golf Course Architect
- 08 70 Golf Course Developer
- 09 90 Golf Course Builder
- 10 105 University/College
- 11 100 Others Allied to the Field (please specify) _____

2. Which of the following best describes your title? (fill in ONE only)

- 12 10 Golf Course Superintendent
- 13 15 Assistant Superintendent
- 14 25 Owner/Management Company Executive
- 15 30 General Manager
- 16 35 Director of Golf
- 17 70 Green Chairman
- 18 45 Club President
- 19 75 Builder/Developer
- 20 55 Architect/Engineer
- 21 60 Research Professional
- 22 65 Other Titled Personnel (please specify) _____

3. What is your facility's annual maintenance budget?

- 23 A More than \$2 Million
- 24 B \$1,000,001-\$2 Million
- 25 C \$750,001-\$1 Million
- 26 D \$500,001-\$750,000
- 27 E \$300,001-\$500,000
- 28 F \$150,001-\$300,000
- 29 G Less than \$150,000

4. If you work for a golf course, how many holes are on your course?

- 30 A 9
- 31 B 18
- 32 C 27
- 33 D 36+
- 34 E Other (please specify) _____

Please send Golfdom to the following people at my organization:

Name _____
 Title _____
 Name _____
 Title _____
 Name _____
 Title _____

101	113	125	137	149	161	173	185	197	209	221	233	245	257	269	281	293	305
102	114	126	138	150	162	174	186	198	210	222	234	246	258	270	282	294	306
103	115	127	139	151	163	175	187	199	211	223	235	247	259	271	283	295	307
104	116	128	140	152	164	176	188	200	212	224	236	248	260	272	284	296	308
105	117	129	141	153	165	177	189	201	213	225	237	249	261	273	285	297	309
106	118	130	142	154	166	178	190	202	214	226	238	250	262	274	286	298	310
107	119	131	143	155	167	179	191	203	215	227	239	251	263	275	287	299	311
108	120	132	144	156	168	180	192	204	216	228	240	252	264	276	288	300	312
109	121	133	145	157	169	181	193	205	217	229	241	253	265	277	289	301	313
110	122	134	146	158	170	182	194	206	218	230	242	254	266	278	290	302	314
111	123	135	147	159	171	183	195	207	219	231	243	255	267	279	291	303	315
112	124	136	148	160	172	184	196	208	220	232	244	256	268	280	292	304	316



NO POSTAGE
 NECESSARY
 IF MAILED
 IN THE
 UNITED STATES

BUSINESS REPLY MAIL
 FIRST-CLASS MAIL PERMIT NO 950-024 PITTSFIELD MA

POSTAGE WILL BE PAID BY ADDRESSEE

Golfdom

ADVANSTAR COMMUNICATIONS INC
 PO BOX 5129
 PITTSFIELD MA 01203-9392





NO POSTAGE
 NECESSARY
 IF MAILED
 IN THE
 UNITED STATES

BUSINESS REPLY MAIL
 FIRST-CLASS MAIL PERMIT NO 950-024 PITTSFIELD MA

POSTAGE WILL BE PAID BY ADDRESSEE



Golfdom

ADVANSTAR COMMUNICATIONS INC
 PO BOX 5129
 PITTSFIELD MA 01203-9392



Golfdom

MAY 2001
 This card is void after July 15, 2001

AN ADVANSTAR PUBLICATION
 ©2001 Advanstar Communications Inc. All rights reserved.

NAME (please print) _____ JOB TITLE _____
 FIRM _____
 ADDRESS* _____
 CITY _____ STATE _____ ZIP _____
 *Is this your home address? Yes No
 PHONE (____) _____ FAX (____) _____
 E-MAIL ADDRESS _____

I would like to receive **GOLFDOM** free each month: Yes no

Signature _____ Date _____

- 1. My primary business at this location is: (fill in ONE only)**
GOLF COURSES
 01 10 Daily Fee/Public
 02 20 Semi-Private
 03 30 Private
 04 40 Resort
 05 50 City/State/Municipal
 06 55 Other Golf Courses (please specify) _____
 07 60 Golf Course Architect
 08 70 Golf Course Developer
 09 90 Golf Course Builder
 10 105 University/College
 11 100 Others Allied to the Field (please specify) _____

- 2. Which of the following best describes your title? (fill in ONE only)**
 12 10 Golf Course Superintendent
 13 15 Assistant Superintendent
 14 25 Owner/Management Company Executive
 15 30 General Manager
 16 35 Director of Golf
 17 70 Green Chairman
 18 45 Club President
 19 75 Builder/Developer
 20 55 Architect/Engineer
 21 60 Research Professional
 22 65 Other Titled Personnel (please specify) _____

- 3. What is your facility's annual maintenance budget?**
 23 A More than \$2 Million
 24 B \$1,000,001-\$2 Million
 25 C \$750,001-\$1 Million
 26 D \$500,001-\$750,000
 27 E \$300,001-\$500,000
 28 F \$150,001-\$300,000
 29 G Less than \$150,000

- 4. If you work for a golf course, how many holes are on your course?**
 30 A 9
 31 B 18
 32 C 27
 33 D 36+
 34 E Other (please specify) _____

Please send Golfdom to the following people at my organization:

Name _____
 Title _____
 Name _____
 Title _____
 Name _____
 Title _____

101	113	125	137	149	161	173	185	197	209	221	233	245	257	269	281	293	305
102	114	126	138	150	162	174	186	198	210	222	234	246	258	270	282	294	306
103	115	127	139	151	163	175	187	199	211	223	235	247	259	271	283	295	307
104	116	128	140	152	164	176	188	200	212	224	236	248	260	272	284	296	308
105	117	129	141	153	165	177	189	201	213	225	237	249	261	273	285	297	309
106	118	130	142	154	166	178	190	202	214	226	238	250	262	274	286	298	310
107	119	131	143	155	167	179	191	203	215	227	239	251	263	275	287	299	311
108	120	132	144	156	168	180	192	204	216	228	240	252	264	276	288	300	312
109	121	133	145	157	169	181	193	205	217	229	241	253	265	277	289	301	313
110	122	134	146	158	170	182	194	206	218	230	242	254	266	278	290	302	314
111	123	135	147	159	171	183	195	207	219	231	243	255	267	279	291	303	315
112	124	136	148	160	172	184	196	208	220	232	244	256	268	280	292	304	316