A fleet of one.
Other machines are dedicated to one job. The Toolcat™ 5600 is dedicated to every job.

Toolcat 5600 with Bobcat angle broom
More than 25 front-mounted Bobcat attachments available.

Toolcat 5600 with Bobcat sprayer
Speedometer and cruise control for optimum fertilizer and pesticide application.

Toolcat 5600 hauling and towing turf tools
Towing capacity up to 4,000 lb. Cargo box capacity up to 2,000 lb.

Toolcat 5600 with 72 in. Bobcat mower
4x4 and all-wheel steer for excellent traction, minimal turf damage.
Now, Snow Mold Control Without Root Pruning

Endorse™ fungicide, with its unique mode of action, provides foliar and translaminar systemic activity for superior control of Pink and Gray Snow Mold.

Extensive research continues to show that Endorse and Spectro™ 90 WDG applied as a tank mix will provide excellent control for both Pink and Gray Snow Mold even under the harshest conditions. The combination of these two effective products not only provides excellent disease control, but also avoids the traditional root pruning often seen with applications of PCNB.

Cleary recommends that appropriate fungicides be applied prior to the application of the Snow Mold Program to ensure good hygiene (i.e. that the presence of fungal organisms are killed or greatly reduced.)

Not only will Endorse + Spectro provide you with effective control, but also this combination is less expensive than many other programs recommended by competitors. These programs often contain combinations of three or more fungicides including PCNB, a significant root pruner.

The Endorse Advantage

Count on Cleary Chemical to provide superintendents with the most effective fungicides for Snow Mold control backed by more than 65 years of commitment to the industry. Endorse + Spectro – Your best insurance value for effective Pink & Gray Snow Mold control.

For more information about Cleary’s Solutions Programs, call 1-800-524-1662.

www.clearychemical.com
War Over Water

32 As the use of water on golf courses becomes a bigger concern for legislators, superintendents need to promote their best water-management practices to combat a negative public image.

46 The Right Relationship
An effective green chairman knows his role and understands the superintendent's role as well.

Design solutions: feature

38 Restoring a Classic
Century-old Midlothian Country Club in Illinois relocates bunkers – some of which were out of play – to update its course.

Personnel management: feature

42 Experienced Help
Hiring retirees to work on the golf course maintenance staff at The Sharon Golf Club in Ohio is positive for both the employer and the employees.

Course maintenance: features

28 Tournament Prep
David Swift, golf course superintendent of the Straits Course at Whistling Straits in Wisconsin planned ahead and received assistance from volunteers and suppliers to prepare for the PGA Championship.

54 Disease Control
Keeping current with fungicides and agronomic programs helps control pathogens and meet golfers' expectations.

Course technology: feature

50 Unwired
Gaps in wireless irrigation systems need to close before they gain complete acceptance.
Keep your greens Poa-free and they’ll be looking for another excuse for their missed putt.

Fall prevention is the secret to smooth greens in the Spring. With weeds like Poa, goosegrass, and crabgrass your best control strategy is prevention – just don’t let ‘em get started.

Extensive trials throughout the United States have demonstrated the effectiveness of Bensumec™ 4 LF and Pre-San® Granules for control of crabgrass, goosegrass, annual bluegrass and many other undesirable grasses and broadleaf weeds.

Both Bensumec™ and Pre-San® provide the two key preemergent benefits on your greens: highly effective weed control and high turfgrass tolerance.

Stop your Poa annua problem before it starts and they won’t be blaming you.

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Data from the most recent university trials can be viewed on our web site – or call for a copy.

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Blow away fire ants before they take another bite out of your assets. These little buggers account for nearly $6 billion* of damage annually in the United States. Extinguish Plus gives you the double barrel approach to fire ant control with an adulticide to knock 'em down and an insect growth regulator (IGR) for long lasting results.

Unsuspecting workers take the bait back to the mound as food, eat it and die. They also spread it to the queen—effectively eliminating colony growth and relocation. Extinguish Plus is fire ant ammo approved for indoor and outdoor use where fire ants are a problem.

Aim for superior results, reduced costs and dead fire ants. For more information, contact your local distributor, call 1-800-248-7763 or visit www.wellmarkinternational.com.

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*source: USDA
olf has been in a growth spurt—just look at the numbers. In 1970, there were about 11 million players. Presently, there are about 26 million. Thanks in part to captivating professionals like Tiger Woods, the game has never been more popular. Still, popularity doesn’t necessarily translate to participation.

In fact, there’s room to increase participation, and many individuals and associations are working toward that goal. The PGA of America, through its Play Golf America program, and the Golf Course Builders Association of America, through its Sticks for Kids Foundation, are encouraging more people to golf— and golf more frequently. Another initiative, the First Tee, which encourages young people to develop character and solid values through golf, is frequently. Another initiative, the First Tee, which encourages young people to develop character and solid values through golf, currently has 125 chapters and 154 facilities throughout the country. Such programs teach newcomers the game’s rewards, as well as basics like etiquette, including speed of play. This issue of time is a considerable factor affecting participation. Some people say they don’t have enough time to play golf, or they say the game takes too long to play.

As a result, some in the industry, including architects, have suggested focusing on courses that are fewer than 18 holes and 18-hole courses that are considerably shorter than 7,000 yards. This could increase maintenance opportunities through more courses and tournaments. Statistics show that in 1980, a professional golfer’s average drive was 257 yards, compared with the current average of 286 yards, according to Doug Winfield, a mechanical engineer who designs golf equipment. This is because of more consistent driving distances.

Course conditions, such as lower-cut greens and fairways, increased drainage and easier bunkers in which to play, also contribute to longer driving distances.

Nonetheless, shorter courses—nine holes—remain challenging. The industry is filled with smart and creative individuals who can address golfers’ time and cost challenges through changes in course design, development and maintenance, whether on new or existing courses. If this happens, the industry likely could witness more courses like Dublin Ranch open—courses that experienced and novice golfers can enjoy.

Having more golfers in general is a worthy goal, not just increasing the number of 18-hole rounds played. Getting more people involved, and staying involved, in the game, regardless of ability, is better business for all courses, no matter what the length.
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The Most Advanced Liquid Nutrition
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Calendar of events

Nov. 3-6
2004 PGMS School of Professional Grounds Management and 15th Annual Green Industry Exposition
Charlotte (N.C.) Marriott City Center and the Charlotte Convention Center
Call 910/695-1333 or visit www.ncturfgrass.com.

Nov. 9-11
Penn State Golf Turf Conference
Nittany Lion Inn
State College, Pa.
Call 814/238-2402 or visit www.paturf.org.

Nov. 14-16
25th Annual International Irrigation Show
Tampa (Fla.) Convention Center
Call 703/536-7080 or visit www.irrigation.org.

Nov. 14-16
2004 Golf 20/20 Conference
World Golf Hall of Fame
St. Augustine, Fla.
Call 904/280-4829 or visit www.golf2020.com.

Nov. 15-18
Carolinas Golf Course Superintendents 2004 Conference & Trade Show
The Myrtle Beach (S.C.) Convention Center
Call 800/476-4272 or visit www.cgcsa.org.

Nov. 16-18
New York State Turfgrass Association’s Turf and Grounds Exposition
Rochester (N.Y.) Riverside Convention Center
Call 800/873-8873 or visit www.nytsa.org.

Nov. 30 - Dec. 2
Illinois Professional Turf Conference
Pheasant Run MegaCenter
St. Charles, Ill.
Call 630/243-9483 or visit www.illinoisturfgrassfoundation.org.

Dec. 7-9
Rocky Mountain Regional Turfgrass Association’s 51st Annual Turfgrass Conference

Conference and Trade Show
Holiday Inn Denver International Airport
Call 303/770-2220 or visit www.rmcta.org.

Dec. 7-10
2004 Ohio Turfgrass Conference & Show
Greater Columbus (Ohio) Convention Center
Call 888/683-3445 or visit www.ohioturfgrass.org.

Dec. 9-11
New Jersey Turfgrass & Landscape Expo
Taj Mahal Casino and Resort
Atlantic City, N.J.
Call 732/821-7134 or visit www.nj turfgrass.org.

Dec. 15
The 6th Annual Organic Turf Trade Show
Smithtown (N.Y.) Sheraton
Call 516/541-4321 or visit wwwneighborhood-network.org.

Jan. 5-7
Minnesota Green Expo
Minneapolis Convention Center
Call 888/886-6652 or visit www.minneoturfgrassexpo.com.

Jan. 6-11
56th Annual Canadian International Turfgrass Conference and Trade Show
Metro Toronto Convention Center
Call 905/602-8873 or visit www.golfupers.com.

Jan. 11-13
Virginia Turfgrass Council’s 45th Annual Turf and Landscape Conference and Trade Show
Downtown Richmond (Va.) Marriott
Call 757/464-1004 or visit www.thevtc.org.

Jan. 12-13
Ninth Annual Heart of America Golf and Turf Conference
Overland Park (Kan.) Convention Center
Call 816/561-5323 or visit www.hagcsa.org.

Jan. 17-20
Annual Michigan Turfgrass Conference

Holiday Inn South
Lansing, Mich.
Call 517/321-1660 or visit www.michiganturfgrass.org.

Jan. 17-20
Turfgrass Council of North Carolina’s 43rd Annual Turfgrass Conference and Show
Adam’s Mark Hotel and Grand Pavilion
Winston-Salem, N.C.
Call 910/695-1333 or visit www.ncturfgrass.org.

Jan. 19-21
2005 Mid-Am Horticultural Trade Show
Lakeside Center at McCormick Place
Chicago
Call 847/526-2010 or visit midam.org.

Feb. 2-4
Turfgrass Producers International’s Midwinter Conference
Hilton Cancun (Mexico) Beach Resort
Call 800-405-8873 or visit www.turfgrasssod.org.

Feb. 7-12
Golf Industry Show
Orange County Convention Center
Orlando, Fla.
Call 800/472-7878 or visit www.golfindustryshow.com.

Feb. 15-18
The First Tee 7th Annual Meeting
World Golf Village
St. Augustine, Fla.
Call 904/940-4300 or visit www.thefirsttee.org.

March 2-3
Michigan Green Industry Association’s 17th Annual Trade Show & Convention
Novi (Mich.) Expo Center
Call 800/354-6352 or visit www.landscape.org.

March 8-10
New England Regional Turfgrass Conference & Show
Rhode Island Convention Center
Providence, R.I.
Call 401/848-0004 or visit www.nertf.org.

E-mail conference information to John Walsh at jwalsh@gie.net.