Pennncross not only survives, but thrives on all 18 greens at this innovative Pete Dye designed course.

You've seen this awesome 17th green in pictures, or maybe you've had the good fortune of playing this 147 yard challenge, but we're reasonably sure you didn't know that it's Pennncross creeping bentgrass. Television announcers won't tell you and magazines don't print it, but the putting greens that have made more champions on some of the greatest courses in the world are Pennncross.

PGA West is a revolutionary new course with target greens, stadium spectator mounds and punishing hazards. Why would such an innovative designer use a strain of bentgrass that's been around for so many years? Some people say that bentgrass won't survive the intense sunbelt heat. We have evidence to disprove that notion. Pennncross, and its Penn Pal, Penneagle have grown in popularity on courses from California to Florida... where bermudagrass used to reign.

Pete Dye specified Pennncross for this desert isle, as he did for his famous Sawgrass island green in Ponte Vedra, Florida. Pennncross is no ordinary putting green grass... and Pete Dye is no ordinary designer.

Watch Pennncross perform in the Skins Game at PGA West, Nov. 29 and 30, 1986.

*Pennncross is a tried and true cultivar developed by Professor Burt Musser at Penn State University and released in 1955.
The Full Range of Tractor-Mounted Equipment for All Your Turf Care Needs

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12 **BENTGRASS BEATS THE HEAT AT MOON VALLEY**

Moon Valley Country Club was one of the first golf courses in Phoenix, AZ, to have Penn-cross creeping bentgrass greens in 1956. The innovator then was golf course architect L.S. Wilson. Today the course is again a laboratory for new technology under the guidance of Karsten Solheim, engineer and inventor of Ping golf clubs. Solheim's staff has discovered a way to merge turf tissue analysis, foliar feeding, irrigation, and computer technology to enable desert superintendents to maintain bentgrass at its peak throughout the summer. A tight grip on fertilization and irrigation is eliminating the peaks and valleys that leave bentgrass vulnerable to attack when temperatures rise above 100 degrees F.

20 **AFTER THE SUPER BOWL: NO REST FOR THE WEARY**

As the scoreboard at Joe Robbie Stadium in Miami, FL, flashed the final seconds of Super Bowl XXIII, groundskeeper Gary Morris felt a tremendous load being lifted from his back. Standing beside him were Chip and George Toma and Consultant Tom Mascaro. They had battled the elements to showcase the two-year-old stadium to millions of football fans. But, for Morris and Mascaro, the year had just begun. In the following six weeks, they had to get the field through international soccer matches, two mudevents, preseason exhibition baseball, and a rock concert. After all that, the stadium had to be in top condition for the Miami Dolphins by August. They did it all without having to resod once.

23 **STATE TEACHERS' COLLEGE CONSTRUCTS MODEL OUTDOOR CLASSROOM**

The stadium and practice fields at Western Oregon State University are more than places to exercise. They are the classrooms on which hundreds of future physical education teachers base their knowledge of how sports programs should be managed. In 1986, these outdoor classrooms were in bleak condition and the university had no funds for renovation. But that didn’t stop them. A unique spirit of cooperation and some creative budgeting ended up producing a model outdoor classroom for the students of tomorrow.
All in a day's work...

1. 3, 5 or 7 Gang Tractor Mount Mowers

4. Sod Cutter MK.2™

5. Triplex 376-A

6. 3, 5 or 7 Gang Hyd. or Manual Lift P.T.O. Mowers

7. Brouwer Greens Mower

8. 5 Gang Vertical Mower

9. Large Capacity Brouwer-Vac™

2. Turf Rollers 130, 224 & 235 3. 24 in. Seeder/Over Seeder

The team to make easy work of your turf maintenance program. For golf courses, school boards, municipalities, highway parks and recreation departments, airfields and landscapers, there is a Brouwer product for you.

Brouwer builds rugged dependability and superior quality into every product, and that means value - not only when you buy but also in the "second to none" after sales service that will keep your machinery down-time low, and you happy to have Brouwer on your side. Check the products above, from the rugged, economical tractor mount mowers with unbeatable 4-WD traction and the high capacity Brouwer Vac to the turf renovating team of the Sod Cutter MK2 and one of those turf rollers, no matter, the Brouwer team can fit the bill... and your budget.

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Introducing a powerful new force in riding rotary mowers.


Now there's the new diesel-powered model Cushman 807.

Its totally integrated power train and new hydraulically-powered steering gives you unmatched performance over the long run. The 807 dispatches thick, wet grass on tricky maneuvers around obstacles without losing ground speed. No other rotary mower gives you a cleaner cut.

At the heart of the new, four-wheel 807 is a powerful 21.5 horsepower, 3-cylinder Kubota 950 diesel engine. We've also included a heavy-duty Donaldson air cleaner and a new, heavy-duty Cushman PTO clutch to keep your new Cushman Front Line running longer. A complete family of Cushman Front Lines and a wide range of accessories are available to meet all your needs all year 'round.

Choose a 3 or 4 wheel design with 60- or 72-inch side or rear discharge mower deck. Or add the exclusive Cushman Grass Caddy® system, which lets you cut, catch, and hydraulically dump 16 bushels of clippings without leaving the seat.

For a convincing demonstration contact your Cushman dealer today. Or call toll-free: 1-800-228-4444.
Why does the competition shrink from a side-by-side comparison to the Cushman® Runabout?

Why? Because the Cushman® Runabout gives you more payload and more power to do more jobs for more years. And at $5,220*, no other utility vehicle can match its blend of value and performance.

It's that simple.

<table>
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<th>ENGINE DISPLACEMENT</th>
<th>Runabout</th>
<th>Cut-A-Way</th>
<th>Carryall II</th>
<th>GXT 800</th>
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<tr>
<td>789 cc</td>
<td>547 cc</td>
<td>341 cc</td>
<td>244 cc</td>
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</table>

The proven, Cushman 222 overhead valve engine provides greater displacement for more torque and horsepower in the critical RPM range required for turf applications. A beefier, boxed-channel frame of carbon steel accommodates heavier implements and a one-ton payload.

The heavy-duty Runabout is more maneuverable. More durable. And it's backed by the industry's finest network of dealer service.

<table>
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<th>PAYLOAD</th>
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<tr>
<td>2000 lbs.</td>
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<tr>
<td>Runabout</td>
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When a light utility vehicle isn't enough, and a full-function Cushman® Turf-Truckster™ is more than you need, the Cushman Runabout stands head and shoulders above the rest. Contact your Cushman dealer for a convincing demonstration, or call toll-free 1-800-228-4444 for more information today.

The Carryall II® is the registered name of Club Car®, The Hijet® Cut-A-Way is a registered trademark of Daihatsu. The GXT 800 is a product of E-Z-GO®, a Division of Textron Inc.* Does not include sales tax, freight, or dealer prep; suggested price listed in U.S. dollars. Prices may vary with dealer and region.

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DEADLINE NEARS FOR BASEBALL AWARDS

Baseball field managers take note: This is the last month to enter the Baseball Diamond of the Year Awards. October 31 is the cutoff date for entering this one-of-a-kind industry contest.

Keep in mind that there are three awards each year. One is for colleges and universities, another for parks and schools, and the third is for major and minor league complexes. Your facility will be compared with others in your class by a distinguished group of major league head groundskeepers.

We are very fortunate this year to have four judges, one from each division of the major league. The National League-East is represented by Pete Flynn of the New York Mets. Steve Wightman of the San Diego Padres will be judging for the National League-West. Harry Gill of the American League-East Milwaukee Brewers and Jim Anglea of the American League-West Texas Rangers complete the panel of judges.

There is no particular set of standards you must meet. The judges base their selections on the type of diamond you produce under your particular circumstances. They take into consideration your effort, resources, and field use, as well as the impact your field has had on your team, school or community. The judges' goal is to recognize sports turf managers who use their skills in a professional manner to improve the quality of America's pastime.

This contest is really about pride and determination. Previous winners have gone far beyond the call of duty to produce top notch baseball diamonds. They have sought out information on field construction, renovation and maintenance. Then they have fought for the resources to put these techniques to work.

Rarely do they achieve their goals single-handedly. First they build a team by enlisting the support of management, their crew, players, and fellow sports turf managers. By clearing one hurdle at a time, the team ultimately reaps the rewards of an improved playing surface.

Each previous winner of the Baseball Diamond of the Year Award has been a story of personal and team accomplishment. From New Mexico to New York, from a local high school to a major league spring training facility, their success in improving the quality of baseball facilities has inspired sports turf managers across the country to learn more, to try harder, and never to give up.

I urge you to enter the contest. Explain to the judges in your entry the background of your facility, the efforts of your team, and the results of your achievements. Include photographs that showcase your field. Tell your story in full.

The entry form is on page 19 in this issue. Start filling it out now.

Bruce F. Shank

EVENTS

NOVEMBER

7-10 NYSTA Turf and Grounds Exposition, Rochester Riverside Convention Center, Rochester, NY. Contact: New York State Turfgrass Association, P.O. Box 612, Latham, NY 12110, (800) 873-TURF.

7-8 Guelph Turfgrass Institute, College Inn, Guelph, Ontario. Contact: Division of Continuing Education, University of Guelph, Room 160, Johnston Hall, Guelph, Ontario, Canada N1G 2W1, (519) 824-4120.

10-12 Green Team Conference and Trade Show, Sheridan Hotel, St. Louis, MO. Contact: PGMS, 12 Galloway Ave., Suite 1E, Cockeysville, MD 21030, (301) 667-1833.


28-30 Turfgrass and Ornamental Chemical Seminar, Purdue University, West Lafayette, IN. Contact Barb Meyer, Purdue University, Dept. of Agronomy, Lilly Hall, West Lafayette, IN 47907-7899, (317) 494-4772.

DECEMBER

4-7 New Jersey Turfgrass Expo '89. Resorts International Hotel, Atlantic City, NJ. Contact: Dr. Henry Indyk, Crop Science Dept., P.O. Box 231, Cook College, New Brunswick, NJ 08903, (201) 932-9453.