Management Guide for Massachusetts now available from the University of management. Among its features are a System. The booklet covers turfgrass cul-
comprehensive key to turfgrass diseases, a list of turfgrass variety characteristics, representations of turfgrass rest on Kenny Road. Superintendents in Florida, Georgia, Texas, Arizona and Southern California — and to a lesser extent in Mississippi and Louisiana — wrestle with this decision annually. Many have no choice. Some basics:
- It's simple: When winter arrives, in many places Bermudagrass goes dormant or dies, and cold-tolerant grasses can be seeded over the Bermudagrass until the weather warms and Bermudagrass rejuvenates.
- They [superintendents] wait for the needed grass to come up quick, to be dark green, and to go away when it's sup-
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DELHI, N.Y. — The list of golf courses built, in part, to serve as working laboratories for college students is about to grow by one. Joining the likes of University of Georgia and Clemson and Pennsylvania State universi-
ties is Delhi College of Technology, which expects a major boost to its two-
year turfgrass program with the addition of a golf course.
"We think this will cut down the learning curve and make our students much more marketable," said Joel Smith, director of communications at the State University of New York-Delhi campus. "In the world, you don't have as much time for on-the-job training. Superinten-
dents need graduates who are ready to go to work, work independently and get the job done."
"Originally, turfgrass management was the key program," said John Haight, director of development. "But it has grown since then" to include the entire Department of Plant Science, which includes horticulture, golf course operations, landscape architecture and landscape contracting technology. The golf program is directed by Dominic Morales, a professor of horticulture, who was unavailable for comment.

OVERSEEING: The life-or-death decision for many

By MARK LESLIE
Overseeding. It's one of the great dilemmas of golf course maintenance. Do you or don't you? When? Where? For what purpose? With what turfgrass or mixture? What are the tradeoffs?
"One of the paradoxes in the business," said Collier's

In the South: Dixieland diversity
Superintendents in Florida, Georgia, Texas, Arizona and Southern California — and to a lesser extent in Mississippi and Louisiana — wrestle with this decision annually. Many have no choice. Some basics:
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RESEARCH UNDER FIRE
Browner puts spurs to EPA colleagues to improve peer review procedures

By MARK LESLIE
WASHINGTON, D.C. — The U.S. Environmental Protection Agency (EPA) is expected by Sept. 30 to have a new peer review policy in place, ending years of hostility with various branches of government and others in the scientific community. Responding to years of prodding from the General Accounting Office (GAO), which has been calling for better scientific peer review procedures and controls, EPA Administrator Carol Browner has declared the chore will get done this summer. In the meantime, she demanded that her troops [GAO Assistant Comptroller General Keith O. Fultz said in February his office was recommending that Browner "set a schedule for developing, completing and implementing agencywide peer-review procedures."
- Also, the administrator should develop and implement controls that protect against the premature release of documents by external peer reviewers.
- Requested by Rep. John Dingell of Michi-
gan, chairman of the Committee on En-
ergy and Commerce's Subcommittee on Oversight, Investigations and Oversight, the GAO
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PASSIONS NEEDED TO CONSERVATION PANEL
BARNSTABLE, Mass. — Charles Passios, past member of the board of directors and government liaison officer for the Golf Course Superintendents Association of America (GCSAA), has been appointed to a three-year term on the Barnstable Conservation Committee (BCC). The panel "basically protects the land," Passios said.

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Northern supers battle poa annua in overseeding programs

Continued from page 11 takes two forms: overseeding bentgrass with another variety of bentgrass, and overseeding poa annua with bentgrass. "A lot of [superintendents] overseed, especially at the older courses, because of the amount of poa in their greens," said superintendent Gregg Grenert of Samoset Resort Golf Club in Rockport, Maine. "They're trying to introduce new species of bentgrass. Poa is such a vulnerable grass to the type of winters we have. It's more disease resistant. And it's superior as far as traffic and recoverability are concerned."

Grenert, who maintains PennCross bentgrass, added: "Grass does get old. It's always nice to get nice new healthy seedlings. There are so many new varieties coming onto the market now that can accept lower heights of cut, are conditioned for less watering, and are more disease-resistant. And it's superior as far as traffic and recoverability are concerned." At Columbia Hills Country Club in Columbia Station, Ohio, superintendent Don Sweda overseeds "to fight the never-ending poa battle. It's never going to go away." Sweda, who joined Columbia a year ago, said his course has been seeded over the years with several different bentgrasses, and he is overseeding to encourage just PennCross.

Bent-on-bent overseeding is generally practiced when physical damage, such as divots or disease, to the turfgrass is evident. Connolly said, adding that widespread overseeding into a healthy stand of turf can be like "buying insurance."

"The benefits of overseeding must be viewed as long-term improvement with the possibility of eventually increasing the percent-age of desirable grasses," he said. Connolly said overseeding in August should take the opportunity to improve their existing turf, overseeding it with new, improved varieties. "Overseeding putting greens with improved bentgrasses is gaining popularity, especially in the Northeast."

Benefits of overseeding turfgrass, Connolly said, are:

• More uniform playing surfaces
• Increased plant density and smoother playing surface
• Replacing inferior varieties with genetically advanced varieties
• Better competition against weed invasion
• Insurance against winter injury

August is the month of Catch-22 greenkeeping in the Northern tier of the United States. It is the optimum time to seed turfgrass. Yet, it is the peak playing season. "Adjusting to aeration and overseeding in August can be a difficult thing to swallow," Connolly said. "But more and more club memberships are accepting August overseeding as a common maintenance program."

Grenert and other colleagues hail the JobSaver, an attachment to Ryan aerators, as avoiding interruption of play. "It's a good way to get seed into established areas without disturbing the playing conditions," Grenert said. "The problem with overseeding, especially with the overseeders themselves, is that you're taking out more grass than you're trying to grow. Those vertical blades rip out stolons. It's almost like you're defeating the purpose."

Indeed, Grenert and others have discovered that using or not using certain equipment can eliminate poa annua. "It's amazing. By light-weight mowing and eliminating cart traffic on fairways, I'm promoting the heck out of bentgrass," he said. "I haven't introduced any new seed in my fairways in 14 years. Yet, our fairways were 80 percent poa annua and now they're 80 percent bent - simply from cart restriction and light-weight mowing. We also pick up clippings, and I try to mow in the evening when you get a better clip."

"There's a lot to be said about traffic control," Grenert also credited his former lack of fairway irrigation for helping the cause of the bentgrass.