

BRIEFS



HINES HONORED FOR OPEN EXCELLENCE

MONTEREY, Calif. — A plaque recognizing outstanding course preparation for the U.S. Open went to Pebble Beach superintendent Bradley C. Hines during that prestigious tournament. Presentation was made by GCSAA Vice President Randy Nichols, course superintendent at Cherokee Town and Country Club in Dunwoody, Ga., at the annual GCSAA VIP reception.

STORAGE TANK SAFETY VIDEO

BETHESDA, Md. — The Environmental Protection Agency's Office of Underground Storage Tanks has released a new video showing what happens when petroleum leaks into the subsurface. "Petroleum Leaks Underground" is a two-part video focusing on the liquid and gas phases of leaks.

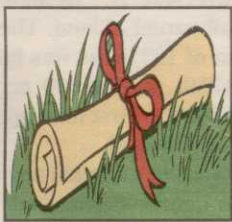
The video shows how traditional pump-and-treat cleanup processes may smear contaminants through the subsurface, creating a more difficult cleanup. EPA is encouraging several new site-assessment and cleanup techniques, such as vapor surveying and vacuum extraction. Copies of the video are available by calling 800-522-0362 or writing EMC, Box 30212, Bethesda, Md. 20814.

WADE RETURNS FROM BRITAIN

MARYSVILLE, Ohio — Back from the recent British Open in Scotland, Skip Wade was abuzz with tournament tales. The golf course superintendent at Cherry Valley Country Club in Amityville, N.Y., won a trip in a contest sponsored by O.M. Scott & Sons Co. The trip for two, July 14-21, included round trip airfare, hotel accommodations for six nights, ground transportation, three rounds of golf and four days of admission to the British Open.

SCHOLARSHIP INFO AVAILABLE

LAWRENCE, Kan. — Application packets for the 1993 GCSAA Turfgrass Scholarship competition have been mailed to turf management program advisers at U.S. colleges and universities. Eligible are undergraduate turf management students who have completed either the first year of a two- or four-year program, and graduate students enrolled in turf management programs. More than 900 students have received scholarship assistance from GCSAA Scholarship & Research the past 35 years.



Toro OKs wetting agents in HydroJect

By HAL PHILLIPS

Good news for all those maintenance crew members who've been using wetting agents in their HydroJects on the sly: The heat's off.

The Toro Company has approved the use of wetting agents in the Toro HydroJect 3000 water injection aerator. The approval is limited to liquid, soil-wetting agents that can be applied directly through the machine.

Officials at Toro have long been aware that superintendents across the country have been running dispersants through the HydroJect. However, "They won't admit it to us because it would void their warranty," said Ben Street, market manager for Toro's Commercial Products Division.

In fact, HydroJect owners have raised the issue with Toro since the technology was introduced in 1990.

"They've been wanting to do it almost from the beginning, but we've never approved it," Street continued. "We've always had concerns about what we could run through the HydroJect without damaging the machine."

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Overseeding: Not much fun, but necessary

By ANN SCHREIFELS and DR. DOUGLAS HOUSEWORTH

Overseeding turf is like taking medicine you wouldn't take — if it weren't good for you. In the case of golf courses in the South, overseeding definitely is good for business.

The process requires extra work, but it pays off fast. Managing the transition from summer to winter turf, however, requires preparation well in advance of the planting date.

Peer and disease pressure both play big roles as golf course superintendents determine whether to overseed. Peer pressure boils down to one question: What is the competition doing? Once one course in an area begins overseeding, others most often follow suit.

From a marketing standpoint, year-round, wall-to-wall green is a big attraction. The course that isn't green is perceived to be "worse" than its competitors. Dr. Gerard Pepin, director of research at Pickseed West, said the trend has grown rapidly in recent years.

"Overseeding began many years ago in the Southeast and 10 years ago on greens and tees in California," he said.

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Ann Schreifels is a free-lance writer. Dr. Douglas Houseworth is manager of technical services for Ciba-Geigy's Turf and Ornamental Products group.

Fairway/Tee Results

NAME	CA1	GA1	KS1	KY1	MA1	MI1	MS1	TX1	WA3	MEAN
*PROVIDENCE	N/A	7.1	7.2	6.4	7.5	6.6	5.9	4.2	5.8	6.3
*PUTTER	6.3	6.9	7.0	5.5	6.9	6.2	5.7	4.3	6.6	6.2
88.CBL	X	6.9	6.8	6.0	7.5	6.2	6.5	3.3	5.7	6.1
*WVVB 89-D-15	6.1	6.5	6.8	6.1	7.1	5.0	6.0	X	5.4	6.1
*SR 1020	6.4	6.7	6.9	5.5	7.1	5.9	6.4	4.2	5.8	6.1
*PENNLINKS	6.3	7.0	6.8	6.0	7.5	5.8	6.3	3.7	5.6	6.1
*FORBES 89-12	6.3	6.7	6.5	5.6	7.7	6.1	6.3	3.8	5.6	6.1
*NORMARC 101	6.3	6.6	7.0	5.8	7.3	6.0	6.3	3.5	5.3	6.0
MSCB-8	6.3	X	6.6	X	6.8	5.3	6.3	X	4.3	6.0
*COBRA	6.6	6.4	6.8	5.3	7.3	5.8	6.1	3.3	5.6	5.9
88.CBE	5.8	6.6	6.8	6.2	7.3	5.7	6.1	3.5	5.1	5.9
*PENNCROSS	6.0	6.9	6.7	5.8	6.7	5.8	6.0	3.8	4.3	5.8
*CARMEN	5.9	6.8	6.5	5.2	6.6	6.0	5.7	3.5	4.7	5.7
TAMU 88-1	6.4	5.9	6.7	4.8	7.1	5.9	5.9	3.3	4.8	5.6
UM 84-01 (BISKA)	6.1	6.8	6.1	5.0	6.6	5.7	5.7	3.3	5.5	5.6
MSCB-6	X	5.6	6.3	X	6.5	4.7	6.3	X	4.4	5.6
*NATIONAL	5.2	6.5	6.5	6.3	6.4	4.7	5.4	4.7	4.4	5.6
*EMERALD	5.7	5.9	6.8	5.7	6.1	4.9	4.7	3.8	5.2	5.4
*EGMONT	5.5	4.7	6.3	6.0	6.7	1.8	5.5	X	5.9	5.3
*BARDOT	4.4	5.2	6.6	5.1	6.3	1.2	6.0	4.2	6.1	5.0
*TRACENTA	4.2	5.3	6.1	5.6	6.2	1.1	5.1	3.3	6.3	4.8
ALLURE	4.1	5.0	6.3	X	5.9	1.7	5.2	X	4.8	4.7
BR 1518	3.4	5.5	6.5	4.9	4.7	1.1	5.3	3.3	3.5	4.3
LSD VALUE	0.8	0.6	0.4	0.5	1.2	1.1	0.9	1.3	0.5	0.3

NTEP bentgrass results are in; more specific testing in offing

By MARK LESLIE

National Turfgrass Evaluation Program (NTEP) officials plan to more closely study wear tolerance, close mowing and aggressiveness in a new battery of tests on bentgrasses.

After publishing second-year data from the NTEP's first bentgrass plots ever, National Turfgrass Federation National Director Kevin N. Morris said more specific studies are needed. "These tests are a starting place," Morris said. "We have been able to show there are a lot of good varieties available besides the standards. We've also been able to get good disease data."

"But bentgrass is very specific to golf course use. We have to do more in-depth work on wear tolerance and other factors that are what superintendents encounter in the real world. For instance, aggressiveness. Competition with poa annua is important. And more intense maintenance would be important to superintendents."

Improvements in the testing system will be evident in a new group of bentgrasses that will be planted in the fall of 1993. Results will be published in 1995.

Striving to address the variance in how different sites are maintained and gain more complete data, the NTEP this year will start paying cooperators in the tests as they submit information.

"Basically, that will give us more freedom and flexibility to get better tests in place and pay people to do a better job," Morris said. "We will be able to do some of these tests like wear tolerance that take more time, resources and power."

He explained that bentgrass tests require cooperators to more intensely mow, water and treat the grass with pesticides: "In many cases you have to have an area set up particularly to do that — graded, irrigated and with the right soil. It is more expensive to set up an area initially, so not

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Modified Soil Results

NAME	CA1	IL1	IN1	KS1	KS2	KY1	MD1	NJ1	NJ3	OH2	ON1	OR	RI	UB1	VA5	WA3	MEAN
*Providence	6.4	6.7	7.0	5.5	8.4	8.2	6.7	6.2	6.2	5.9	7.6	6.3	3.7	5.4	4.6	5.1	6.2
*Putter	6.9	6.3	7.0	6.0	8.2	7.1	6.8	5.8	5.2	6.4	7.7	5.9	2.9	4.4	5.6	6.0	6.1
*Forbes 89-12	6.7	6.7	6.6	6.0	8.0	6.9	6.5	5.6	5.0	6.3	7.5	6.5	2.4	4.6	5.3	4.8	6.0
*Penneagle	6.5	6.5	6.7	5.7	7.7	6.8	6.4	5.8	5.7	6.3	7.1	5.8	3.4	5.2	4.7	5.1	6.0
*Pencross	6.7	6.1	6.9	5.8	7.1	6.0	5.4	5.6	6.0	6.3	6.9	5.6	3.0	5.5	6.3	5.5	5.9
*Cobra	7.0	5.7	6.7	6.0	7.9	7.3	6.6	6.1	5.3	5.9	7.1	6.2	2.8	4.7	4.4	5.1	5.9
*Normarc 101	6.8	6.7	6.7	6.0	7.9	4.9	6.5	5.8	5.1	5.9	7.1	5.9	3.2	5.6	5.4	5.1	5.9
*WVVB 89-D-15	6.7	6.0	6.8	6.0	7.8	6.7	6.7	5.8	6.0	6.2	7.0	6.0	2.9	4.5	4.3	5.1	5.9
88.CBL	X	5.5	X	6.2	7.8	7.3	6.7	5.3	X	X	7.3	6.6	3.2	5.3	4.8	4.9	5.9
*SR 1020	6.3	6.3	6.2	5.8	7.7	8.0	6.3	4.4	5.0	6.3	6.9	6.0	2.6	4.4	4.1	4.8	5.7
TAMU 88-1	6.8	X	6.2	6.7	7.3	5.5	6.1	5.0	X	6.1	7.2	5.8	3.1	3.6	4.9	5.4	5.7
*Carmen	7.1	6.3	6.8	5.8	7.2	6.4	5.6	4.6	5.0	5.9	6.5	6.0	2.8	4.7	4.6	4.7	5.6
*Emerald	6.1	5.0	6.1	6.5	6.3	6.8	6.5	4.1	3.7	5.7	7.0	5.5	2.5	3.7	5.9	4.9	5.4
*National	5.4	5.6	6.5	6.2	6.6	6.6	6.2	3.9	4.7	5.8	7.2	4.9	3.1	3.9	4.4	4.6	5.3
*Egmont	5.6	5.8	5.1	5.2	4.3	7.3	6.2	4.6	3.8	5.5	6.7	4.2	4.4	6.1	5.1	5.3	5.3
*Bardot	4.8	5.9	5.4	6.2	4.8	4.0	6.4	4.7	4.0	5.5	7.2	4.6	4.3	6.0	5.4	5.1	5.3
88.CBE	X	6.1	X	5.8	X	5.7	X	5.3	X	X	X	6.4	2.8	5.0	4.8	4.4	5.1
*Tracenta	4.4	5.8	5.1	4.8	4.5	3.9	5.8	5.4	3.4	6.1	6.9	4.0	4.5	6.3	5.3	4.5	5.0
Allure	5.3	X	4.1	5.7	4.2	6.1	6.1	4.1	3.0	5.5	6.3	4.3	4.0	4.4	4.9	4.8	4.8
BR 1518	4.0	3.9	3.5	5.2	4.9	3.0	5.6	3.7	2.5	5.1	6.5	2.8	3.8	4.1	4.8	4.3	4.2
LSD VALUE	0.6	0.6	0.6	1.3	1.1	0.7	0.9	1.2	0.8	0.9	0.5	0.4	0.7	0.8	1.2	0.6	0.2

Native Soil Results

NAME	AL1	CA1	IA1	IL1	IL2	NJ1	NJ3	ON1	OR3	RI1	VA1	WA1	WA2	MEAN
*PROVIDENCE	3.4	6.5	5.9	5.5	5.5	7.3	5.6	7.8	6.1	5.8	5.1	7.4	6.9	6.1
*FORBES 89-12	3.7	6.5	6.3	5.5	5.7	6.8	5.9	7.8	6.4	4.4	4.8	7.3	6.5	6.0
88.CBL	4.0	6.6	5.9	6.1	4.9	6.7	5.5	7.5	6.4	4.0	5.1	6.7	6.3	5.8
*PUTTER	3.3	6.4	5.9	5.3	5.5	6.0	5.1	8.3	5.8	5.1	4.9	6.6	6.4	5.7
*COBRA	3.7	6.6	6.0	5.4	5.4	6.7	4.9	7.5	6.0	4.3	5.2	6.8	6.2	5.7
*PENNLINKS	3.8	6.9	6.1	4.7	5.1	6.3	4.6	8.0	"5.9"	4.6	4.9	6.7	6.8	5.7
*WVVB 89-D-15	3.7	6.7	6.3	5.1	5.5	6.8	5.5	7.5	5.6	3.8	4.6	6.8	6.4	5.7
*NORMARC 101	3.6	6.3	6.2	5.1	5.1	6.5	5.3	7.8	5.6	4.7	5.2	6.5	6.1	5.7
*SR 1020	3.2	7.1	6.0	4.8	5.5	6.2	6.0	7.8	5.9	4.1	4.9	6.7	5.8	5.7
*PENNCROSS	3.9	6.2	6.8	5.1	5.3	6.2	5.3	7.5	5.3	3.8	4.7	6.5	6.1	5.6
*CARMEN	3.8	6.7	5.8	4.8	4.9	6.1	4.6	7.0	5.3	3.2	5.6	6.6	5.7	5.4
*EMERALD	3.5	5.4	5.7	4.7	5.0	4.5	4.0	7.3	5.4	2.8	4.1	5.6	5.7	4.9
*NATIONAL	3.6	5.3	5.5	5.0	4.5	4.3	4.5	7.4	4.3	3.6	4.4	5.5	5.9	4.9
*BARDOT	4.8	4.7	6.3	4.7	5.1	4.7	3.8	7.8	4.0	1.7	4.3	5.4	6.0	4.9
*TRACENTA	4.4	4.2	5.7	4.9	4.5	4.5	4.0	7.3	3.7	2.1	4.1	5.5	5.4	4.6
*EGMONT	4.9	5.2	4.6	3.3	4.5	4.1	3.2	7.7	3.5	3.4	4.9	5.2	4.6	4.6
ALLURE	4.7	4.6	4.2	3.9	4.0	3.0	2.6	7.3	3.4	2.0	4.2	4.3	5.4	4.1
BR 1518	4.6	3.4	4.2	4.3	3.1	2.4	2.7	6.5	2.4	2.0	3.8	3.7	2.9	3.6
LSD VALUE	0.5	0.7	0.8	1.2	0.7	0.8	0.9	0.5	0.5	0.6	1.0	1.0	0.6	0.2

Bentgrass

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as many places do it and do it well."

Funding will come from fees charged to enter grass varieties in the tests. Those fees are now being used to finance 23 grants started in 1990 and 1991.

Morris said: "We've raised our entry fees. We'll continue to fund the grants we have. Whether we fund more past them, I don't know."

Modified soil test sites

CA1: Santa Clara, Calif., sand, 6.1-6.5, 3.1-4.0, 0.0-0.5, to prevent stress.

GA1: Griffin, Ga., sand, 4.6-5.5, 4.1-5.0, 0.0-0.5, to prevent stress.

KS1: Manhattan, Kan., loamy sand, 6.1-6.5, 4.1-5.0, 0.0-0.5, to prevent stress.

KY1: Lexington, Ky., sand, 7.1-7.5, 5.1-6.0, 0.0-0.5, to prevent stress.

MA1: Deerfield, Mass., sand, 5.6-6.0, 5.1-6.0, 0.0-0.5, to prevent stress.

MI1: East Lansing, Mich., N/A, 7.6-8.5, 3.1-4.0, 0.0-0.5, to prevent stress.

MS1: Mississippi State, sand, 6.1-6.5, 7.1-8.0, 0.0-0.5, to prevent dormancy.

TX1: Dallas, Tex., loamy sand, 6.1-6.5, 7.1-8.0, 0.0-0.5, to prevent stress.

WA3: Puyallup, Wash., sand, 5.6-6.0, 5.1-6.0, 0.0-0.5, to prevent stress.

Native soil test sites

AL1: Auburn University, sandy loam, 4.6-5.5, 2.1-3.0, N/A, N/A.

CA1: Santa Clara, Calif., loam, 6.1-6.5, 3.1-4.0, 0.0-0.5, to prevent stress.

IA1: Ames, Iowa, sandy clay loam, 7.1-7.5, 3.1-4.0, 0.0-0.5, to prevent stress.

IL1: Carbondale, Ill., silty clay and clay, 6.1-6.5, silty clay and clay, 6.1-6.5, 3.1-4.0, 0.0-0.5, to prevent dormancy.

IL2: Urbana, Ill., silt loam and silt, N/A, 2.1-3.0, 0.0-0.5, to prevent stress.

NJ1: North Brunswick, N.J., loam, 6.1-6.5, 3.1-4.0, 0.0-0.5, to prevent stress.

NJ3: Martinsville, N.J., N/A, N/A, 0.0-0.5, to prevent stress.

ON1: Guelph, Ontario, sandy loam, 6.6-7.0, 1.1-2.0, 0.0-0.5, to prevent stress.

OR3: Halsey, Ore., silt loam and silt, 4.6-5.5, 5.1-6.0, 0.0-0.5, to prevent stress.

RI1: Kingston, R.I., silt loam and silt, 6.6-7.0, 3.1-4.0, 0.0-0.5, to prevent stress.

VA1: Blacksburg, Va., silt loam and silt, 6.1-6.5, 3.1-4.0, 0.0-0.5, only during severe stress.

WA1: Pullman, Wash., silt loam and silt, 6.1-6.5, 3.1-4.0, 0.0-0.5, to prevent stress.

WA2: Spokane, Wash., loam, 5.6-6.0, 2.1-3.0, 0.0-0.5, to prevent stress.

Fairway/Tee test sites

CA1: Santa Clara, Calif., loam, 6.1-6.5, 3.1-4.0, 0.0-0.5, to prevent stress.

IL1: Urbana, Ill., silt loam and silt, 7.1-7.5, 2.1-3.0, 0.0-0.5, to prevent stress.

IN1: W. Lafayette, Ind., silt

loam and silt, 7.1-7.5, 1.1-2.0, 0.0-0.5, to prevent stress.

KS1: Manhattan, Kan., silt loam and silt, 6.1-6.5, 3.1-4.0, 0.0-0.5, to prevent stress.

KS2: Wichita, Kan., sandy loam, 6.6-7.0, 3.1-4.0, 0.0-0.5, to prevent stress.

KY1: Lexington, Ky., silt loam and silt, 6.1-6.5, 2.1-3.0, 0.6-1.0, to prevent stress.

MD1: Silver Spring, Md., silt loam and silt, 5.6-6.0, 3.1-4.0, 0.0-0.5, to prevent stress.

NJ1: North Brunswick, N.J., loam, 6.1-6.5, 2.1-3.0, 0.6-1.0, to prevent stress.

NJ3: Martinsville, N.J., N/A, N/A, N/A, 0.0-0.5, to prevent stress.

OH2: Marysville, Ohio, silty clay loam, N/A, N/A, 0.0-0.5, to prevent stress.

ON1: Guelph, Ontario, sandy loam, 6.6-7.0, 1.1-2.0, 0.0-0.5, to prevent stress.

OR3: Halsey, Ore., silt loam and silt, 4.6-5.5, 5.1-6.0, 0.0-0.5,

to prevent stress.

RI1: Kingston, R.I., silt loam and silt, 6.6-7.0, 3.1-4.0, 0.6-1.0, to prevent stress.

UB1: Beltsville, Md., silt loam and silt, 4.6-5.5, 3.1-4.0, 0.6-1.0, to prevent dormancy.

VA5: Fairfax, Va., silty clay loam, 6.1-6.5, 4.1-5.0, 0.0-0.5, to prevent stress.

WA3: Puyallup, Wash., sandy loam, 5.6-6.0, 2.1-3.0, 0.0-0.5, to prevent stress.

BENTGRASS

Word is spreading almost as fast as our bentgrasses.



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David A. Hein, Golf Course Superintendent
"The Experience at Koele"
Lanai City, Hawaii