Two years after the Salt Creek flood, Butler's fairways look terrific!

Oscar Miles, CGCS
Butler National GC
Oak Brook, Illinois

Seventh fairway during the Western Open, 1989.

Penneagle and Oscar Miles make Butler National GC 'picture perfect' again!

"Before the 1987 Western Open, Butler National was primped and trimmed to perfection for its date with the pros and television cameras" says Oscar Miles, "then 9½ inches of rain drenched the course. The resulting flood deposited tons of silt that dried and destroyed the grass beneath.

"After the cleanup that required thousands of manhours, high pressure hoses, squeegees and helicopters for drying; the process of reseeding began.

"Based on Penneagle's excellent performance before the flood, I chose to reseed with this bentgrass. After two years, the new stand appears better than before. With our time-proven maintenance program, we mow our fairways at 7/16" and have a good working layer of Penneagle with virtually no thatch.

"In preparing for the 1989 Western Open, we compared the course to a Van Gogh painting, and the crew's efforts were to enhance the work of art by meticulous touchup on the frame. The result was a 'picture perfect' course that caused the players and announcers to rave.

"Now if I could only get the announcers and writers to call Penneagle by name... you can't plant just any bentgrass and expect it to perform like Penneagle."

Seventh fairway before the rain delayed 1987 Western Open.

Oregon Certified PVP 7900008
Penneagle is one of the 'Penn Pals'
Cover illustration by Larry Kassell

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Along sidewalks and paved areas

Around tree bases

For edging along pond banks
Now's the time to Remember ROUNDUP® herbicide for all kinds of jobs around parks and recreational areas. Remember that ROUNDUP controls a broad spectrum of weeds roots-and-all. ROUNDUP is faster to use than mechanical trimmers and there's no need to retreat. That means you'll save time and labor.

Remember that ROUNDUP stays where you put it...so there's no washing or leaching problems to harm desirable vegetation. And Remember that ROUNDUP is biodegradable and won't build up in the soil. That fact will give you the environmental confidence you need to use ROUNDUP everywhere you've got a weed, brush, trimming or edging problem. Spray with confidence — REMEMBER THE ROUNDUP.

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1-800-225-2883
How much of my money do you want?

What would you say if I told you that I would be willing to pay you more than you want to be paid? You’d jump at the chance, right?

Green Industry, you’re not jumping. Not yet, anyway.

If I were Mr. Middle Income, my household would be pulling down a tidy annual sum, even though both my wife and I would have to hold down separate jobs. And, because of those demands, we’d have little time to spend with each other and with the kids.

So we’d be looking for shortcuts in our day-to-day lives.

We’d hire a “domestic engineer” to vacuum every week. We’d have the local pizza joint deliver dinner once or twice a week. When the carpets got dirty or we detected the presence of an abominable insect somewhere inside our beloved walls, we’d call the appropriate specialists.

We’d maintain this philosophy so we could spend evenings, Saturdays, Sundays and holidays as a family. We’d play “Trivial Pursuit” after dinner; we’d watch “Indiana Jones” movies together; we’d take weekend excursions, especially during the summer.

And do you know what? We might not even realize what we’d be paying our lawn specialists. Whatever it was, we’d think, it was certainly worth it. Our lawn would be neat, trim, devoid of weeds—the envy of our neighbors. And all we’d have to worry about would be turning the sprinklers off and on.

Well, friends, many of your own customers are Mr. (or Ms.) Middle Incomes. They’re people you’re mighty interested in keeping. And how do you do that?

Number one, most important of all: you’re going to have to pay your employees better wages because they’re your direct pipeline to those valued customers. We’re talking pretty hefty raises, too, for basically unskilled labor.

And, upon hearing this nasty bit of news, the first thing you say to yourself is, “I can’t afford it!”

But you can. You can afford to compete with the McDonalds’ of the world for that unskilled labor. You can afford to pay your line-level help $10 or $15 an hour.

Do you know why? Because of all the Mr. and Ms. Middle Incomes out there. People who value their time more than their money, to a point. (Don’t let your costs climb over what a second income might be able to afford.)

Here’s the real secret. Pay your employees more now, before you lose the good ones to competitors; pay them now, before the personnel crunch hits the industry. You can either horde the good ones now, or wait in line three years from now.

All you have to do is ask your customers for a little more money.

Jerry Roche, Executive Editor

Will Perry, Managing Editor

Terry McVier, Associate Editor

Jerry Roche, Executive Editor

Office: 7500 Old Oak Blvd.

Cleveland, OH 44130

(216) 243-8100

FAX (216) 826-2832

Dick Gore, Publisher

Office: 3475 Lenox Rd. N.E.

Suite 665

Atlanta, GA 30326

(404) 233-1817

FAX (404) 261-7022

Jon Miducki, National Sales Manager

Marsha Dover, Midwest Sales Manager

Barbara Thomas, Eastern Sales Manager

Bob Earley, Group Vice President

Office: 7500 Old Oak Blvd.

Cleveland, OH 44130

(216) 243-8100

FAX (216) 826-2832

Robert Mierow, W. Coast Representative

Office: 1515 NW 51st Street

Seattle, WA 98107

(206) 783-0549

FAX (206) 784-5545

Tom Greney, Senior Vice-President

Office: 111 East Wacker Drive

Chicago, IL 60601

(312) 938-2317

FAX (312) 938-4850

Carol Peterson, Production Mgr.

Connie Freeland, Prod. Supervisor

Lynn Williams, Graphic Design

Jackie Eisenmann, Circulation Super.

Bonnie DeFoe, Directory Coordinator

Gail Parenteau, Reader Service Mgr.

Office: 120 West Second St.

Duluth, MN 55802

(218) 723-9200

FAX (218) 723-9223

David Komitau, Graphics Coordinator

Ted Matthews, Promotion Director

Office: 7500 Old Oak Blvd.

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Carl Aebersold, harvesting crew foreman at Pacific Sod, Camarillo, CA, is pleased with the above- and below-surface performance of dwarfer Monarch turf-type tall fescue.

### Quality Turf-Seed varieties developed and produced for turf professionals.

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**TURF-SEED**

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Finally, A High Ca Doesn’t Handle L

For too long, high-capacity mowers have left a lot to be desired. But now all that has changed. Presenting the revolutionary new Groundsmaster® 580-D with an 80 hp turbo-diesel engine. The first large-scale rotary mower that combines the productivity of a 16-foot machine with the handling ease of a smaller mower.

Operating the 580-D is incredibly easy. Only Toro provides an adjustable tilt steering wheel and column. All controls are at the operator's fingertips, even cruise control.

Transport is easy too. An exclusive rotating hinge lowers the outboard cutting units behind the operator for a clear view to the side and rear. A balanced design allows you a stable 20 mph transport speed because the weight of the outboard cutting units is rotated to the rear.

Digital readouts display vital engine/machine functions at the touch of a button.
Toro's outboard cutting units also include an exclusive break-away protection feature. Should the operator misjudge distance, the wings will pivot away from the object that has been hit.

The 580-D's wide stance and short wheelbase give it maneuverability and stability. A short 76" wheelbase lets you turn an 18" uncut circle without braking. And Toro's exclusive swept-forward wing design keeps the tips of the outboard cutting units in line with the front drive wheels improving operator control and visibility.

For even more versatility, the 580-D includes these accessories: an 8-foot front broom attachment, a roll over protection system, a canopy, a cab and a road light package.

If you've been sacrificing ease of operation for high capacity, it's time you saw the revolutionary machine that gives you both: the new Groundsmaster 580-D from Toro. Call your local Toro distributor to see the Groundsmaster 580-D or contact Toro at the address below. You'll see firsthand how productive and versatile large-scale turf mowing can be.
CHARLESTON, S.C. — A week after Hurricane Hugo tore into the South Carolina coast, golf course superintendents expressed awe over its destructive power, and thanks that the death and damage toll was not what it could have been.

Up to 90 percent of the trees were gone on many South Carolina courses. Salt water intrusion, downed power and telephone lines, damaged or destroyed buildings and courses strewn with debris were the major problems faced by superintendents.

The courses that sustained the most damage are those within a 75-mile radius of Charleston Harbor, especially those on the neighboring islands to the north. The Sept. 21 storm slammed into South Carolina there and moved inland to Columbia, where it turned north toward Charlotte, N.C. It left behind a wide swath of destruction that may cost $3 billion to repair.

“People are scattered all over here and yonder,” said Cannon of his employees. “I’ve got together a small base crew and everybody is pitching in. It’s an extremely stressful situation because everyone has friends or relatives that were hit really hard. Morale is fairly high, though. Most people are over the shock and have grit their teeth and are ready to start digging out from this storm.”

Tony Brown, superintendent of The Country Club of Charleston, said that his course may have been spared severe saltwater damage because of the heavy rains before and after Hugo. “There has been ample opportunity for that salt water to run off or be flushed into the soil,” said Brown. “It’s kind of strange; a lot of areas submerged by salt water aren’t showing a lot of damage.”

Brown and Cannon credit local media and Civil Defense officials for providing enough warning of the storm’s direction and fury. “They probably saved several hundred thousand lives,” said Brown.

Dr. Paul Alexander, a turf specialist at Horry-Georgetown Tech in Conway, S.C., urged area superintendents to run a salinity or soluble salts test as soon as possible. Bermudagrass registering more than 1,500 ppm or bentgrass more than 950 ppm need to be flushed thoroughly or the grass will die.

“The only thing you can do is pump those areas out and replenish them with fresh water. On tees and greens get out there with gypsum and make that application to tie up the salts in the soil,” observed Alexander.

“Salts may be leached from the profile through the application of gypsum,” he wrote. “Regular ag gypsum can be applied at the rate of 1-2 tons per acre. This will provide little negative effect on soil pH while at the same time freeing sodium from the sodium profile and replacing it with calcium.”

The president of Car-