

LiquidPro™

APPLICATOR GUN FOR LIQUID WETTING AGENT

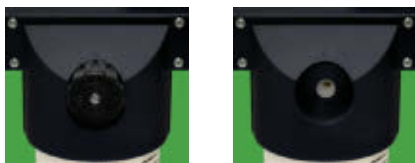
This popular “liquid” version of the PelletPro™ features the proven combination of our Precision™ Cloudburst™ nozzle and the high-flow composite/stainless steel valve. Adding a chemical-resistant, UV-protected, lightweight siphon/mixing system produces an applicator gun which can cover 1000 square feet in less than a minute. Now, with unmatched speed and uniformity, you can virtually “paint” your turf with liquid wetting agent, fertilizers, and micronutrients. And like the PelletPro, LiquidPro disassembles easily to create the Cloudburst™ High-Flow Valve syringe nozzle.



With the included 1" FHT x 3/4" MHT brass adapter, LiquidPro™ works with both 3/4" and 1" hoses.

features

- Patented Precision™ Cloudburst™ nozzle evenly distributes wetting agent ensuring uniform coverage. Made of aircraft aluminum and stainless steel.
- Lightweight, durable nylon construction weighs only 3 lbs., UV-protected and chemical resistant.
- High-density polybottle has full quart capacity with easy-to-read measurements in fluid ounces and milliliters.
- Needle Valve Metering Chamber: Engineered venturi siphon mixes proper amount of wetting agent into the water flow.
- Pistol grip design with textured handle provides sure grip surface and reduces operator fatigue.
- Adjustable metering dial offers 10 additive settings including “Water Only.”
- Metering dial can be removed to prevent tampering with a predetermined setting.



2 products in 1!

The Precision™ Cloudburst™ nozzle and high-flow valve can be quickly assembled to create a powerful, 48 GPM syringe nozzle.

a real time saver!

Bring plenty of wetting agent, fertilizers, and micronutrients to the field all at once with our 6-pack of polybottles.



ordering

- Part # A-LPWA50K - LiquidPro™ Applicator Gun
- Part # A-LPWAB-6 - 6-Pack of 32 oz. Polybottles and Carrier

RollerPro™

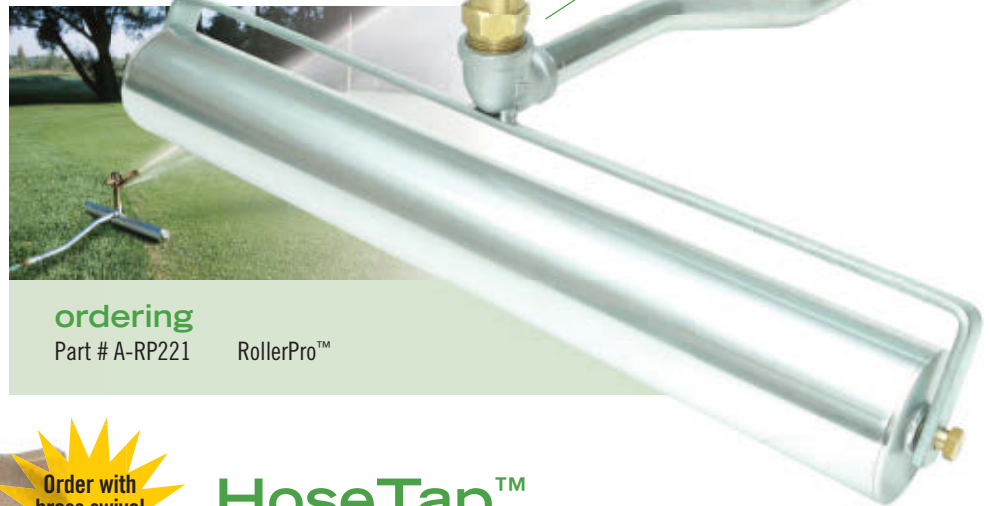
PORTABLE SPRINKLER BASE

The 22" wide stainless steel roller of RollerPro™ provides a stable field position for supplemental watering. Designed for years of hard use, it is ideal for watering dry spots and newly seeded areas.

features

- 22" wide stainless steel roller is weighted to prevent movement during use.
- Standard 1" FHT inlet x 1" female NPT outlet.
- 3/4" inlet and outlet adapters included.

RollerPro™ works with both 1" and 3/4" hoses and sprinklers using the included adapters. Sprinklers sold separately on page 12-13.



ordering

Part # A-RP221 RollerPro™

Order with
brass swivel
for extra
savings!

HoseTap™

SOLID METAL HOSE ADAPTER

HoseTap™ gives you a hose connection anywhere you have a Toro® or Rain Bird® electric, valve-in-head sprinkler...ideal for fast connections when quick-couplers or hose bibs are not available. Aircraft aluminum body won't break or wear out like plastic, and is anodized with color for easy sprinkler manufacturer identification. Each HoseTap™ includes the precision metal disc, o-ring, and riser. Brass swivels sold separately (see Page 12).

ordering

Part # HN-T100 - HoseTap™ for Toro® 1" inlet golf sprinklers
 Part # HN-T150 - HoseTap™ for Toro® 1-1/2" inlet golf sprinklers
 Part # HN-R125 - HoseTap™ for Rain Bird® Eagle 700 Series golf sprinklers
 Add "B" to part numbers to specify BSP thread
 Add "S" to part numbers to include 1" brass swivel
 Add "S75" to part numbers to include 3/4" brass swivel

REPLACEMENT O-RINGS

Part # OR-100 Fits Toro® 1" inlet and Rain Bird® Eagle 700 Series golf sprinklers / HoseTap
 Part # OR-150 Fits Toro® 1-1/2" inlet golf sprinklers / HoseTap

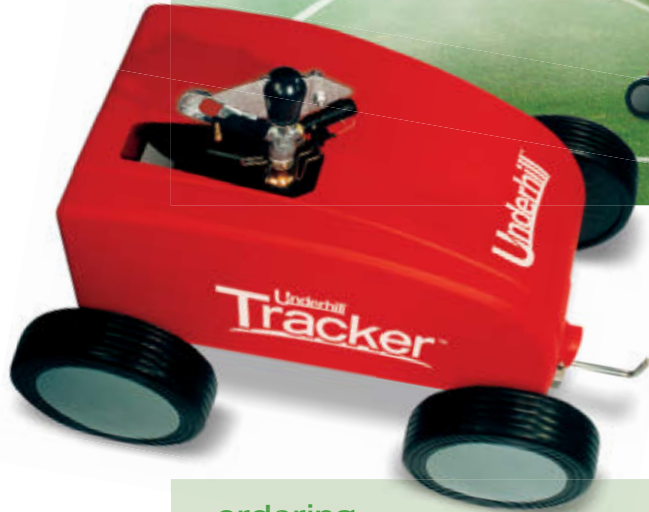
Tracker™

PORTABLE IRRIGATION MACHINE

The Tracker™ offers a very economical solution for supplementing seasonal watering needs of 1/4 acre to 2 acre areas. It is also ideal for irrigating athletic fields, cemeteries, golf course roughs, or other large areas where an underground system is impractical. Built to last with precision German engineering and high quality materials, this portable powerhouse can irrigate an entire football field in just two passes.

specifications

- Weight: 58 lbs.
- Size: Length 33", Width 22", Height 22"
- Materials: Aluminum, Brass, ABS
- Minimum Water Pressure: 50 psi
- Hose Required: 1"
- Includes 1" brass quick-connect adapter



ordering

Part # T-400 Tracker™ Portable Irrigation Machine

Mirage™

HUGE THROW, HIGH-PERFORMANCE LARGE TURF SPRINKLERS

Underhill Mirage pop-up turf sprinklers, featuring precision German engineering and huge throws, can be installed completely outside the playing area of sports fields.

M-160: With its powerful **174 ft. throw radius**, the Mirage™ M-160 is a worldwide favorite for sports fields, golf driving ranges and other large area turf or dust control applications.

M-125: A very impressive long-throw sprinkler in its own right with a **125 ft. radius**, the M-125 is perfect for installation in the out-of-play areas of large turf fields.

M-115: For areas where irrigation must be installed within the playing area, the M-115's deep sod cup cover holds a 9" (220 mm) diameter section of natural grass to "disappear" when not in use, staying out of the way of athletes and mowers.



CALL FOR DETAILS!

2WIRE

YOU PICK THE CONTROLLER...WE CAN MAKE IT 2WIRE!

Underhill™ decoder modules can convert controllers to 2-wire operation - with no field grounding and no special wire - so you can use your favorite clock to lower the cost and simplify the installation of your next irrigation project. Control up to 48 stations with a single module. More affordable than what you are using now (save a ton on wiring costs alone!), easier to use, and ultra-reliable (15 years and 150,000+ field successes).



Quick Coupler Valves & Keys

SOLID BRASS, SINGLE SLOT/LUG ESSENTIALS

Built to last, Underhill valves and keys are constructed of solid red brass and stainless steel. Valves incorporate rugged one-piece design.



Valve: Part # QV-075R
(3/4" FPT inlet)

Key: Part # QK-075
(3/4" MPT x 1/2" FPT outlet)

Valve: Part # QV-100R
(1" FPT inlet)

Key: Part # QK-100
(1" MPT x 3/4" FPT outlet)

Valve: Part # QV-150R
(1-1/2" FPT inlet)

Key: Part # QK-150
(1-1/2" MPT x 1-1/4" FPT outlet)



hose swivels

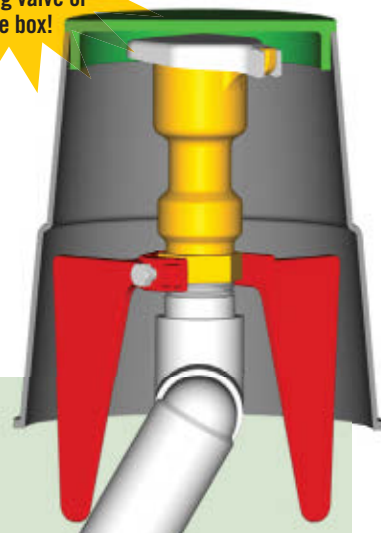
Part # HS-075 3/4" FPT x 3/4" MHT outlet
Part # HS-100 1" FPT x 3/4" MHT outlet
Part # HS-101 1" FPT x 1" MHT outlet
Part # HS-151 1-1/2" FPT x 1" MHT outlet

The Claw™

QUICK COUPLER MOTION RESTRAINT

When quick coupler valves become unscrewed from swing joints, it's more than just a hassle - it can be dangerous. The Claw™, new from Underhill, offers a simple solution. Embedded in the soil below the quick coupler, and then securely attached to its base, The Claw provides significant resistance to rotational, vertical and horizontal motion, preventing the valve from moving. Made from high strength ductile iron, this compact anchor attaches easily with a single steel bolt.

EASY RETROFIT
Installs without
removing valve or
valve box!



The Claw™ pictured with 1" quick coupler, key and hose swivel.

ordering

Part # QCA-075100 The Claw™ for 3/4" and 1" valves
Part # QCA-150 The Claw™ for 1-1/2" valves

Impact Sprinklers

SOLID BRASS, ULTRA-RELIABLE WORKHORSES

For reliable, trouble-free, high-performance year after year, you just can't beat our brass impact sprinklers. Available in full circle and full/part circle, in inlet sizes of 3/4", 1" and 1-1/4".

features

- Solid brass construction
- Stainless steel drive spring
- Bearing assembly hood for longer wear life
- Chemical resistant bearing seals
- Solid brass nozzle



Underhill's SI100F 1" inlet brass impact atop the portable base RollerPro™ (see page 10) puts a powerful sprinkler anywhere you can run a hose.



3/4"
Flow: 5-15 GPM
Spacing: 40-60 ft.



1"
Flow: 15-45 GPM
Spacing: 50-80 ft.



1-1/4"
Flow: 25-120 GPM
Spacing: 75-110 ft.

ordering

		GPM	Radius (ft.)
Part # SI075F	3/4" MPT Full Circle Sprinkler	13	57
Part # SI075P	3/4" MPT Part/Full Circle Sprinkler	11	48
Part # SI100F	1" MPT Full Circle Sprinkler	23	71
Part # SI100P	1" MPT Part/Full Circle Sprinkler	23	71
Part # SI125F	1-1/4" MPT Full Circle Sprinkler	51	96
Part # SI125P	1-1/4" MPT Part/Full Circle Sprinkler	54	78

Performance data shown at 80 psi. GPM and radius will vary with pressure at sprinkler



NEW!

Splice Kit

DIRECT BURY SPLICE KIT

Developed by 3M Company, each kit includes a single wire connector which can accommodate wire sizes from 18-10 gauge, and a waterproof gel case. Excellent for golf, commercial and residential applications.



ordering

Part # DBRY-4	Direct Bury Splice Kit - 4 Pack
Part # VL-6	VersaLid™ 6"-7" valve box lid

VersaLid™

VALVE BOX UNIVERSAL REPLACEMENT LID

VersaLid™ is the easy solution for broken or missing valve box lids. No need to guess what brand a buried box is or even worse - dig it up to find out - VersaLid's locking system fits all 6"-7" round valve boxes.

features

- Stepped locking system
- Fits all 6"-7" round boxes
- Interchangeable, easy to install
- Greater top-load strength and more UV-resistant than structural foam lids

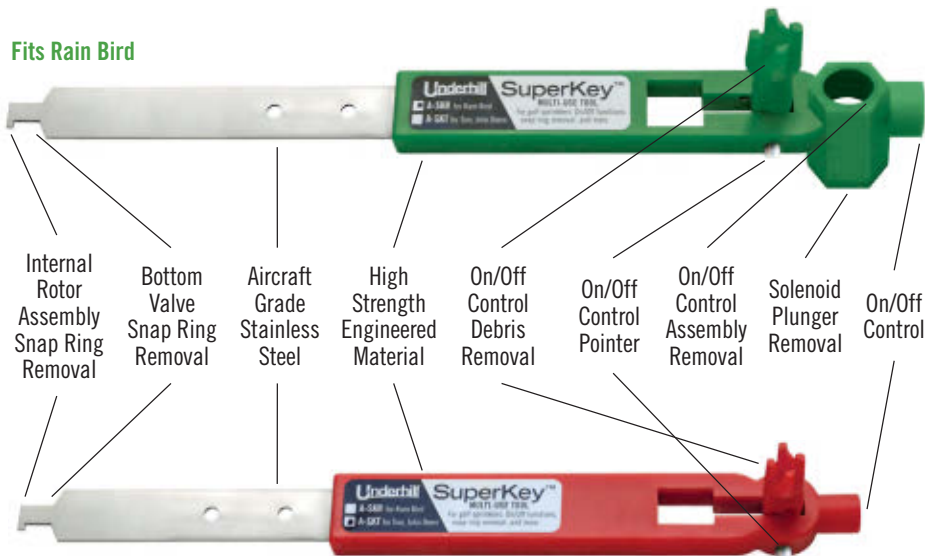


NEW! SuperKey™

MULTI-PURPOSE GOLF SPRINKLER TOOL

This ultimate multi-purpose tool designed for Rain Bird®, Toro® and John Deere® golf sprinklers is a must have. Made of stainless steel and composite material, it effortlessly turns Electric-Valve-In-Heads on and off, removes internal assembly snap rings and performs many other sprinkler maintenance chores.

Fits Rain Bird



Fits Toro, John Deere

ordering

- Part # A-SKR SuperKey™ for Rain Bird® golf sprinklers
- Part # A-SKT SuperKey™ for Toro® and John Deere® golf sprinklers

DeepDrip™

TREE WATERING STAKES

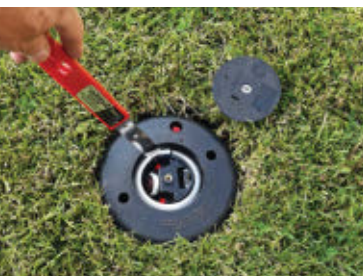
DeepDrip™ stakes allow you to water and fertilize your trees at the roots, encouraging deeper roots and healthier trees. Water gets underground fast, so you can water for shorter periods and enjoy considerable water conservation. They also help to aerate the soil with oxygen, and you can add fertilizer into the shaft to direct nutrients to the root zone.



DeepDrip comes in three sizes, each designed for use with automatic landscape drip systems or a hose. The 14.5" unit is ideal for small trees and shrubs with shallow roots, like rose bushes and ornamental trees (or in commercial use for boxed trees). The 24.5" stake is best for most tree varieties except for palms and other deeper rooted trees, which will benefit from the longer 36" stakes.

ordering

- Part # A-DD14 DeepDrip™ 14.5" watering stake
- Part # A-DD24 DeepDrip™ 24.5" watering stake
- Part # A-DD36 DeepDrip™ 36" watering stake



NEW! Gulp™ Ultra Pumps

HIGH-CAPACITY WATER REMOVAL SUCTION PUMPS

Whether you need to remove water from sprinklers and valve boxes or displace gallons of standing water in the field, the Underhill Gulp™ Ultra series of water removal hand pumps has the right tool for the job. Constructed from heavy-duty, corrosion-proof materials, these pumps are self-priming and easy to clean. The Gulp Syringe™ Ultra and Gulp™ Ultra are ideal for carrying on maintenance carts for small, routine needs. For larger water removal jobs, BigGulp™ Ultra can pump well over a gallon of water in only three strokes!

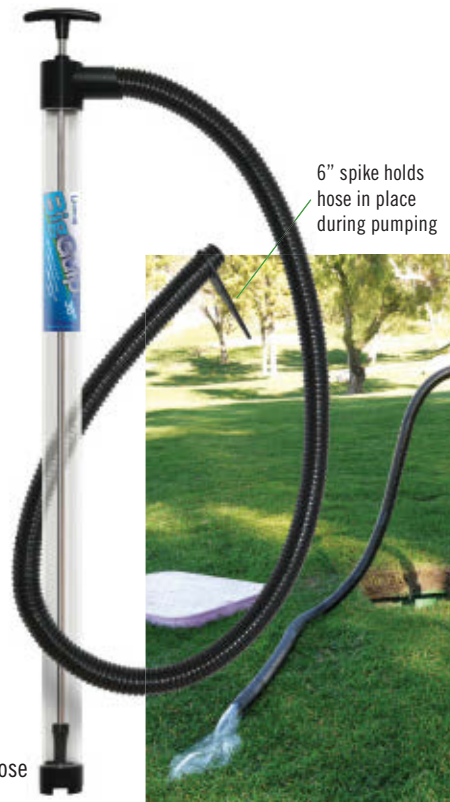
special features

- Extra Volume Pump Capacity
- Easy cleaning twist-off inlet and exit caps
- Replacement Wiper Seal and Bottom Check Valve (Big Gulp/Gulp)
- Dual Wiper Seal (Replaceable)
- Extra Strength Pump Tube Material
- Stainless Steel Pump Shaft
- Self Priming



BIG GULP ULTRA

- 47 oz./stroke
- 36" clear pump chamber
- 72" or 36" x 1-1/2" outlet hose



6" spike holds hose in place during pumping

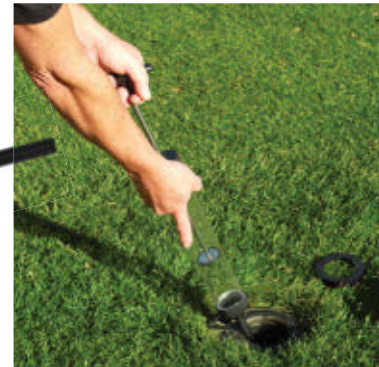
GULP ULTRA

- 12 oz./stroke
- 12" clear pump chamber
- 24" outlet hose



GULP SYRINGE ULTRA

- 12 oz./stroke
- 12" clear pump chamber



Gulp™ Classic

GULP

- 8 oz./stroke
- 12" pump chamber
- 10" outlet pipe



GULP SYRINGE

- 8 oz./stroke
- 12" pump chamber



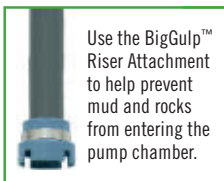
SUPER GULP

- 16 GPM pumping capability
- 4" dia. x 2 ft. pump chamber
- 3" dia. x 3 ft. outlet hose
- 3" dia. x 7 ft. inlet hose



BIG GULP

- 35 oz./stroke
- 36" chamber
- 72" or 36" outlet hose



Use the BigGulp™ Riser Attachment to help prevent mud and rocks from entering the pump chamber.

ordering

GULP ULTRA SERIES

- Part # A-G12-C Gulp™ Ultra
- Part # A-G12S-CK Gulp™ Syringe Ultra
- Part # A-G3636CK BigGulp™ Ultra with 36" outlet hose
- Part # A-G3672CK BigGulp™ Ultra with 72" outlet hose

GULP CLASSIC SERIES

- Part # A-G12 Gulp™
- Part # A-G12S Gulp™ Syringe
- Part # A-G3636K BigGulp™ with 36" outlet hose
- Part # A-G3672K BigGulp™ with 72" outlet hose
- Part # A-G2484 SuperGulp™ with 84" outlet hose
- Part # A-G01 BigGulp™ Riser Attachment



20505 Crescent Bay Drive
Lake Forest, CA 92630 USA

tel: (949) 305-7050
fax: (949) 305-7051

1-866-863-3744 • www.underhill.us



UNDERHILL INTERNATIONAL WATERING PRODUCTS 2010



© 2010 Underhill International Corporation. All original equipment manufacturers, names and products presented in this publication are used for identification purposes only, and we are in no way implying that any of our products are original equipment parts. Toro® is a registered trademark of the Toro Company, Rain Bird® is a registered trademark of the Rain Bird Sprinkler Manufacturing Corporation, John Deere® is a registered trademark of Deere & Company.

Form No. UIWP-B10

Products that work...smart.™

Runnin' Down a Dream

Continued from page 31

Farren was Kocher's assistant from 1986 through 2000, when Kocher was given a new title, the vice president of golf course management for ClubCorp, which reflected a more national scope. Farren was then named director of grounds and golf course management.

Kocher retired in 2008 when ClubCorp sold Pinehurst to Robert Dedman, who owned the resort previously. Farren calls Kocher a great teacher.

"But he taught me as much as I taught him," Kocher says. "And Bob is very flexible. He's also a very creative thinker."

Farren's department consists of up to 250 people, including four superintendents: Kevin Robinson, Jeff Hill, Steve Wilson and Kyle Brown.

Robinson, who has been at Pinehurst for 18 years and was recently promoted to superintendent of the No. 2 course, says Farren knows how to get the best out of his staff. "He's a great delegator," Robinson says. "He knows how to delegate certain responsibilities to certain personalities."

Robinson is also impressed by the large number of connections Farren has in the industry and how he consults those people to learn new things.

"He knows a lot of important people," Robinson says. "They are his network of knowledge."

A DAY IN THE LIFE of Farren begins early and ends late. He works out five days a week at the resort's fitness center before arriving at his office at 7:15 a.m. Farren spends a good bit of his day cruising the eight courses in his golf car. He speaks with members and guests, and lends an agronomic hand to the superintendents.

"It's great to be able to bounce things off Bob to make sure we're on the right page," Robinson says.

It's not off base to say Farren lives at Pinehurst. He not only lives in the village — "I could drive a golf car to and from work, but I don't" — he can be found at work all hours of the day. It's not unusual to drive by the maintenance facility at 7 p.m. and see the light on in his office.

But even if he's at the office that late, Farren says it doesn't feel like work.

"I tell people that I hope I never have to get a job," he says.

But Farren will tell you it's not all pinecones and gravy at Pinehurst, especially the past few years. Pinehurst hasn't been immune to the downturn in the resort business. Its business was off about 20 percent in 2009.

"We had a big challenge last year with budget reductions," Farren says, noting the task his staff faced to spend less on maintenance endeavors without minimizing the golfing experience for members and guests.

In May, Pinehurst's golf maintenance department made headlines when long-time course No. 2 superintendent Paul Jett left the resort and was replaced by Robinson. It was a tough time for Farren, who helped hire Jett 15 years ago. Despite rumors, Jett's departure wasn't about money or circumstances surrounding the extensive renovation occurring on No. 2. It was just time for a change for both parties involved, Farren says.

The No. 2 course renovation by Ben Crenshaw and Bill Coore has also made headlines, and Farren has answered a lot of questions about it. Basically, Crenshaw, Coore and their team

are taking the Donald Ross track back in time "to re-establish a more natural feel and playability of the course," Farren says.

"The results will be a far less-manicured course," Farren adds. "The amount of irrigated turf will be drastically reduced."

OUTSIDE OF GOLF, Farren is a family man who spends time with Kathy and the couple's two adult children, Kristin and Casey. Farren is also involved in his church and other community functions, including the American Belarussian Relief Organization, an effort created to provide assistance to children living in areas contaminated with radiation from the Chernobyl nuclear plant explosion in 1986.

For almost 10 years the Farrens adopted two children from Belarus, which was contaminated heavily with radiation from Chernobyl. The children spent 10 weeks a year living at their home. They provided the children with clean food, rest and sanctuary in a radiation-free environment to build up their immune systems to ward off cancer and other future ailments.

"It's one of the neatest things I've ever been involved in," Farren says, noting the two children, who are adults now, are like his own.

Farren's father, who was his mentor, died in 2000. Farren, an only child, is close to his mother June, who lives in West Virginia but drives to Pinehurst often to see her son and his family.

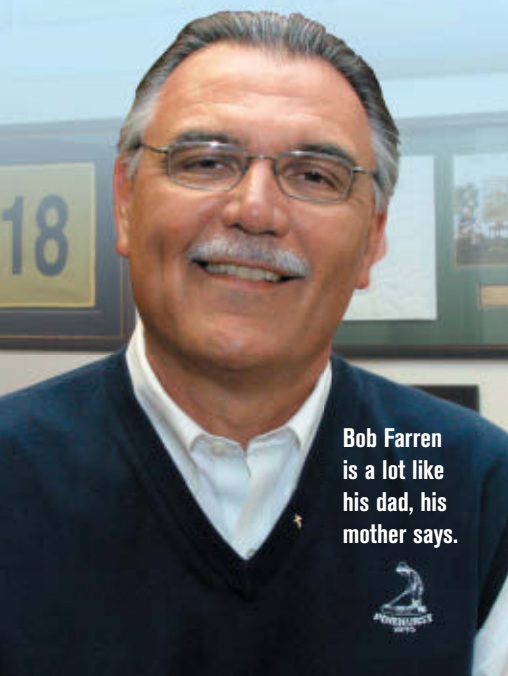
"Bob is so much like my husband was — he's a hard worker and true to his ideas and values," June says. "He was born to be a golf course superintendent."

While it may seem he was born to be at Pinehurst, Farren made it there because he was determined. He didn't just follow his dream — he ran it down.

"The harder you practice playing golf, the luckier you get," Farren says, quoting Gary Player.

Farren knows exactly what Player means. ■

PHOTO COURTESY: PINEHURST RESORT



Bob Farren is a lot like his dad, his mother says.

Bunkers AND Bucks



Superintendents aim to reduce maintenance costs in sand hazards without causing a fuss

BY ANTHONY PIOPPPI, CONTRIBUTING EDITOR

There are only so many places where golf course superintendents can reduce their maintenance budgets in these tight economic times.

At affordable layouts, golfers' expectations may not be high. In the case of municipal courses, golfers realize local government officials control the purse strings so a decrease in the level of maintenance is somewhat understood.

For those who take care of upscale layouts, whether they are daily fee or private, the task is more difficult. Players have come to expect a certain level of maintenance, and any modification can be cause for concern.

A reduction in labor is most often the way superintendents save money. But when it comes to course maintenance, the areas where expenses can be reduced are few. For many, though, it turns out a significant reduction in bunker maintenance can save money but not increase complaints. Best of all, it can perhaps bring an end to such ludicrous practices as bleaching bunker sand.