#### continued from page 49

drip is understanding their soil types. "Soils are typically grouped into three main categories: clay, loam and sand," Clark says. "We suggest contractors use lower flow rates and wider spacing for the clay-type soils, and higher flow rates and closer spacing for sandy soils. You have to match the

#### WHY BE A DRIP?

> Drip offers significant water savings.

> There's no overspray or evaporation loss like with sprinklers, making it a viable choice for any area suffering water restrictions.

> Drip eliminates runoff and erosion.

Drip delivers the right amount of water slowly down deep to plant roots.

Drip can deliver water below the surface and help keep the top of the ground dry.

Drip reduces weed growth because it delivers water only to the base or root zones of the landscape plants.

Plants are healthier when water is delivered to their roots regularly.

Drip provides and maintains a consistent soil moisture level.

Leaves stay dry and are less susceptible to sun damage, fungus and insects.

> Drip encourages fast, steady growth early in the season, and disease-resistant deep-rooted plants later.

> Drip is quiet and almost invisible.

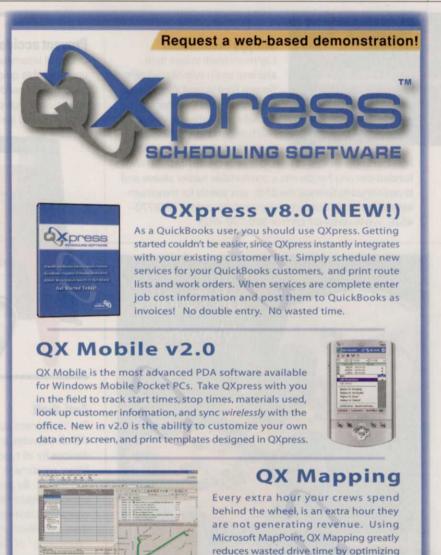
Deep, even moisture levels under the soil surface benefit worms and microrganisms, which, in turn, help improve soil and keep it loose and full of air.



application rate of the drip system to the infiltration rate of the soil. Then it becomes a matter of scheduling."

Clark says root intrusion, one of the biggest challenges for maintaining drip systems, has been largely eliminated by the use of root barrier as well as Techfilter, a disc filter impregnated with the chemical root inhibitor trifluralin. Dave Palumbo, manager of Rain Bird's Drip Division, believes the biggest challenge getting contractors to use drip is unfamiliarity.

"Once contractors install the first two or three drip systems, they learn how to bid, it," he says. "They see they can do it efficiently, and they can make money, too." LM



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routes and printing driving directions.

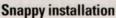
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### PRODUCTS

TOOLS OF THE TRADE

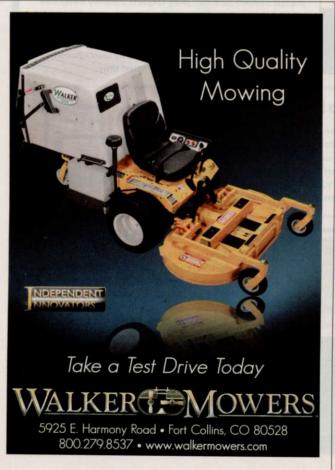
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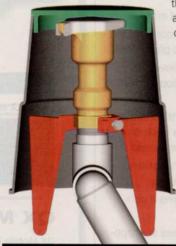
holes, and the weight of the block secures its hold. The twohanded carrying handle has a comfortable rubber sleeve and is positioned to balance the 87-lb. unit evenly for maximum ease of carrying. Contact www.versa-lok.com or 800/770-4525. www.versa-lok.com or 800/770-4525



#### Prevent accidents

PRODUCT SPOTLIGHT

Underhill International's the Claw helps prevent dangerous and unpredictable quick coupler accidents. Quick couplers often become unthreaded from swing joints during hand-watering and cause a high-pressure geyser of water that floods the turf and can cause serious injury to a maintenance crew. To prevent



this hazard, the Claw acts like an anchor, holding the guick coupler securely in place, restraining rotational, vertical and horizontal motion. It fits inside most valve boxes without any cutting or alterations, and attaches directly to the base of the quick coupler valve with a hexagonal receptacle and single stainless steel bolt. www.underhill.us or 866/UNDERHILL

#### Anti-theft

The Equipment Lock Co. (TELC) provides anti-theft devices for all types of heavy equipment, trucks and trailers. By practicing proactive equipment security, equipment owners can prevent theft, vandalism and unauthorized "borrowing" of their heavy equipment. The heavy-duty wheel lock, when installed, stops any wheel from rolling. The rugged-tough lock is so versatile it fits all types of equipment, from small utility trailers to all types of commercial lawn

mowers. The product, available with powdercoating and/or electroplate finish, features an adjustable wheel lug cover to prevent thieves or vandals from removing the wheel. www.equipmentlock.com or 866/LOK-IT-UP

PRODUCT SPOTLIGHT VEHICLES



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#### **Diesel doer**

Cub Cadet's new Volunteer 4x4D utility vehicle combines the rugged simplicity and low maintenance of an 854cc, 3-inline cylinder, Yanmar diesel engine with the advanced performance of an independent suspension. Features include a wide stance, welded steel frame, and low center of gravity for stability, traction and control. The unit offers high-back seats, trail tires, a heavy-duty air filter and a fully enclosed CVT transmission.

www.cubcadet.com or 877/835-7841



#### **Extreme accessory**

Specialty Equipment, LLC introduces the extreme tailgate ramp, which bolts to any tailgate and takes up about 5.5-in. of bed space. Using an expanding babygate-type design, it extends as far as 108 inches, creating a 57-in.-wide ramp capable of holding as much as 1,600 lbs. It's constructed entirely of extruded aluminum and stainless steel, so it's light and won't rust. It has high tensile strength thanks to the interlocking web design. An optional tailgate extension kit allows the closed ramp to flip up and become an alternate tailgate on the rear of a truck's gate.

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generator. The lightweight and user-friendly unit provides customers with dependable, portable power, increasing the breadth of the Honda EU generator Super Quiet Series lineup through enhancements in noise, size, usability and fuel consumption. It produces 3,000 watts, yet weighs just 77.6 lbs. It features built-in wheels, two fixed handles and a folding handle to allow for easy transport. It's towing weight is 17.6 lbs. Its GX160 engine can operate on one tank of fuel for more than four hours. www.hondapowerequipment.com or 770/497-6400

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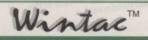


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# **Treasure trove**

5-ft. iquana swimming laps in the hotel pool was my first clue. The resort staff and some of the moresettled guests acting like it was nothing was my second.

I didn't know it on the first day of the business meeting, but I soon discovered the treasure trove of animal and plant species we mainlanders call San Juan, Puerto Rico.

I, along with dozens of other attendees of the Turf and Ornamental Communicators Association's (TOCA's) 20th anniversary meeting, hit the mother (nature) load when we toured the El Yungue National Rainforest May 14.

El Yunque is the only sub-tropical rainforest located in a U.S. territory. The 28,000-acre worldly wonder is home to an array of wildlife - including the small and precious Coqui singing frog found nowhere else and the endangered Puerto Rican Parrot - as well as more than 250 species of trees, 50 types of ferns and 20 varieties of wild orchids.

I'll let photos I took during the tour tell the story because I can't come close to doing it justice.

But, in closing, I must say it saddens me that globally we lose 50 million acres of rainforest annually due to our seemingly unquenchable quest for food, water and land development. To put things in perspective, the U.S. Forest Service oversees a com-

A couple of snails proved that my wife, Bridgid, and I were not the slowest-moving animals in the El Yunque National Rainforest.

#### bined 200 million

acres, including El Yunque. Hard to imagine those 200 million acres vanishing by 2013 - but that's what's happening on a global level to our most-precious parcels.

Tropical rainforests cover 2% of Earth's surface vet sustain half the world's plant and animal species. An estimated 40% of the world's oxygen is generated by rainforests in the Amazon alone. And one-quarter of all pharmaceuticals originate in tropical rainforests.

If we don't better sustain our rainforests, many more plants and animals - possibly including homo sapiens - will hit the endangered species list. Granted, that's down the road a bit. But, in the meantime, we can expect to continue to share our pools with more and more wildlife. After all, how can we expect them to respect our turf if we don't respect their habitats?

> Above: lggy the iquana struts his stuff Left: Yogi, our tour director, dons his rainforest version of Disney's mouse ears while holding a "pee pee flower" (African tulip).



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