

200, 600 1800-pounder for vehicle, 3-pt. hitch, or own trailer; 300, 125-pounder, fits utility trailer, trucks; Model 400 for aquatic materials, 125-lbs., fits most boats to apply Sonar, Aquathol Super-K.
Circle #265

EARTH & TURF
888/693-2638

www.earthandturf.com

MultiSpread 300 features a 27 cu. ft. hopper and four tires for low ground pressure. Choose either a brush or beater spreading system for a spread pattern of 34 to 72 in.

Circle #266

FIRST PRODUCTS
800/363-8780

www.1stproducts.com

Seed-a-vator has 6.7 cu. ft., stainless steel

hopper sides and bottom. Requires 30-hp 3-pt. hitch tractor. Neoprene flow-control rotor. Uses electric or ground drive. 22 seed outlets.

Circle #267

JRCO
800/966-8442

www.jrcoinc.com

30-gallon boom sprayer fits zero-turn mowers. Powered by 3.5 hp B&S engine with Udor di-



JRCO boom sprayer with ultra-low drift

aphragm pump. Has 3-section breakaway boom, 5, 8, 11-ft. zone control, ultra-low-drift nozzles, spray gun with 10-ft. hose. Also, electric broadcast spreader fits commercial mowers. 2.2 cu. ft. (or 130 lb.) polyethylene hopper. Choose foot-operated gate or push/pull cable to cover 5-24 ft. spread.

Circle #268

GANDY COMPANY
800/443-2476

www.gandy.net

Option of either semi-pneumatic, or for greater flotation, pneumatic tires. 24-in. Model 24 is push handle only. 36- and 42-in. units come with either push handle or trailer hitch. Other pro models feature height-adjust handle, easy-set rate control, flow direction closures, fine mesh screen.

Circle #269

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"I dreamt one night, over 5 years ago, of a machine that could end my nightmare of long hours, undependable employees, nagging customers, and my tired body. I invented the Ride-On Spreader Sprayer and found that production was finished weeks early, there was a smile on the faces of my employees, and service calls decreased!"

Since then almost 1500 other Ride-On owners, from Alaska to Florida, have virtually eliminated walking, pulling a hose, and 14 hour days. If you would like to come in at the end of the day with energy left to enjoy life, more money in your pocket, and a smile on YOUR face, then join with the rest of us dreamers. Life doesn't get any better than this!"

~ Tom Jessen

Perma-Green Supreme President and 27-year lawn care owner, 20-year sprayer manufacturer, owner of 3 patents, and fellow dreamer



U.S. Patent# 6336600 B1

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ride-onspreader.com

Circle 118

GNC INDUSTRIES

800/462-2005

www.gncindustries.com

25, 50 and 100-gallon poly and 100- or 200-gallon fiberglass sprayer with GNC Diamond Pump, 2-year warranty. Skid design allows easy access to pressure regulator, dump valve, fuel tanks. Jet Agitation standard, Air-Gap backflow prevention optional.

Circle #270

KROMER CO.

800/373-0337



50-gallon Kromer unit can line fields, spray

AFMM with 50-gal. tank for lining paint or water on ballfields to dust control. Can be used with spray bar for chemical or fertilizer, with a boom for spraying 60-180 in. Spray gun, 25-ft. hose to reach areas normally hit by backpack units.

Circle #271

THE LELY CORP.

252/291-7050

www.lely.com

Full line of pto and trail broadcasters offer capacity from 566-5,250 lbs. Popular model is the Model W, ground-driven, hitch-mounted unit with 52-in. swath, side spreading, 805-lb. capacity. Forced feeding system standard, flotation tire kit available.

Circle #272

MILLCREEK MFG. CO.

800/311-1323

www.millcreekmfg.com

Avoid compaction with turf tires on mid-sized topdresser/spreader with fifth-wheel hitch for turf trucks or engine drive on vehicles without pto. The 50TD holds 23.2 cu. ft., requires 20-hp trac-

tor. 75TD holds 33.7 cu. ft., requires 24-hp pto.

Circle #273

MTD PRO

330/273-4550

www.mtdpro.com

HWSS80 spreader has cam-operated agitator. Provides 10-ft. swath at walking speed. Durable polyethylene hopper, self-lubricating Nylatron GS drive gears. Shut-off plate has 2 pattern-adjustment slides.

Circle #274

NORTHEASTERN ARBORISTS

800/261-7772

www.northeasternarborists.com

Full line from 50-500 gallons available with variety of pumps. Units are Honda-engine powered, with pumps ranging from 6 gpm, 290 psi to the 21-gpm 725 with Pulsation Damper on the big NAS500PD703. Most offer adjustable jet agitation, skid-style welded frame with reel mount, and suction strainer with shut off, tank drain with plug.

Circle #275

PSB COMPANY

614/228-5781

www.psbcompany.com

Assure accurate spreader calibration. The Prizelawn Bigfoot Accurate calibrator fits all Bigfoot, CBR-II, Scotts R7X, R8, R8A, SR-1, AP2000, SR2000; Lesco Low Wheel, High Wheel and MKII spreaders. Reduces turf-damaging mistakes, allows label compliance.

Circle #276

RANSOMES CUSHMAN RYAN

800/228-4444

www.textron.com

Vicon 888401 holds 700 lbs., has built-in rotary agitation, fits all Turf-Truckster models. Variety of spouts allows special applications. Non-corrosive hopper of glass fiber reinforced polyester.

Circle #277



MTD Pro's 10-ft. swath

SCOTTS

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www.scottscompany.com

Patented helical cone assures uniform, consistent spread pattern with the AcuPro 2000 with 13-in. TurfSaver-2 pneumatic wheels. Extended push handle has tuff-foam grips, front and rear lift handles.

Circle #278

PERMA-GREEN SUPREME

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www.ride-onspreader.com

Convert spreader to ride-on unit. Or add spray kit to a spreader in 15 minutes. Spray kit is 12-volt unit, comes completely assembled.

Circle #279

SHINDAIWA

503/692-3070

www.shindaiwa.com

RS575 rotary spreader with welded steel frame has 75-lb. capacity. Frame is welded stainless or steel coated with epoxy riding on 13-in. tires. Delrin axle bushings, removable gear cover. Hopper cover, side deflector optional.

Circle #280

SP SYSTEMS

800/457-3440

www.spsystemsllc.com

SP Duster and Granular Spreader applies most



Models from 2-5.4 gal. spray capacity

dust and granular material. Several YardTender commercial models available in 2-5.4 gallons. The 189 is 4 gallon backpack sprayer with internal piston pump giving 168 psi. Viton/Nytril seals.

Circle #281

continued on page 47

***How do you get
more power to
the root of your
weed problem?***

Roundup
PRO
Herbicide



The proof is in the leaf.¹

Monsanto scientists used scanning-electron microscopy to photograph the effects of weeds sprayed with Roundup PRO and an imitator. Taken just one hour after application, these images clearly show more formulation in the leaf sprayed with Roundup PRO.

Get Roundup PRO[®] herbicide with patented PROformance[™] technology.

In the first two hours, it delivers three times more power to the roots than Syngenta's latest imitator product.

The proof is in the roots.²

Scientists also used autoradiography to photograph and measure the amount of herbicide in the roots two hours after application. Time after time, at least three times more herbicide showed up in the weeds sprayed with Roundup PRO. With the imitator, barely any herbicide has moved to the roots.

Roundup
PRO
Herbicide





This is a cross-section of a weed leaf magnified 1000x. The yellow droplets mean Roundup PRO is already at work inside.

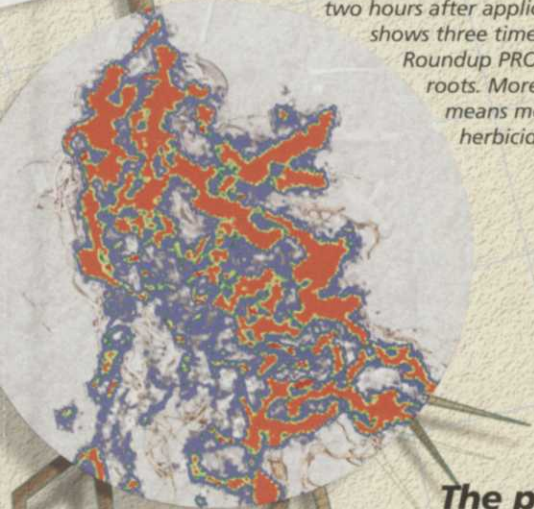
Roundup
PRO
Herbicide



This weed, sprayed with the imitator, has almost no droplets in the leaf.

Syngenta's latest imitator product

In the first two hours, almost no imitator herbicide has moved to the roots.



Scientific photography taken two hours after application shows three times more Roundup PRO in the roots. More color means more herbicide.



The proof is in your control.

See for yourself the difference Roundup PRO with patented PROformance technology can make in your weed management. See your dealer or call 1-800-ROUNDUP for more information.

Free video shows science in action.

See PROformance technology at work in a free, five-minute video. Scientists Dr. Tracey Reynolds and Dr. Jimmy Liu demonstrate the autoradiography and cryo-SEM techniques used to compare Roundup PRO with an imitator on two identical weeds.

Call **1-800-ROUNDUP** and ask for your free Roundup PRO video today!



Always read and follow label directions. Test conducted with MON 77360, EPA Reg #524-475 with comparison to Syngenta product carrying EPA Reg. #10182-449. 1. Test methodology: In scanning-electron microscopy, Monsanto scientists identified penetrated formulations of both Roundup PRO and Touchdown Pro in the mesophyll cell layer. These micrographs support the evidence that formulations containing Monsanto's patented PROformance technology rapidly penetrate the leaf surface. 2. Test methodology: Radiolabeled formulations were applied at equal acid-equivalent rates. Radioactivity was visualized by autoradiography following a simulated rain event two hours after application. Monsanto laboratory tests, 2001. Roundup®, Roundup PRO® and PROformance™ are trademarks of Monsanto Technology LLC. [12748 jct 10/01] ©2001 Monsanto Company RUPRO-12748

solutions center

DESIGN/BUILD

Building a 'grand' view

New Hampshire landscapers partner with a developer to restore elegance to a grand old hotel

BY RON HALL/ EDITOR-IN-CHIEF



Kevin Craffey knew he had a job on his hands in bringing the century-old Mountain View Grand Hotel back to life. The historic hotel in Whitefield, NH, had been vacant since 1986. It had started to fall apart. So had its landscape.

The problem: start from scratch

"The landscape was gone," says the owner of Craffey & Company, a general contracting firm based in Hanover, MA. He bought the resort hotel in 1998 with visions that he and his crew could recondition it and reopen it again in a few months.



Now, after three years of hard work and intense and complicated political and financial deal making, Craffey's dream project is almost done. The restored hotel will welcome guests again this May.

Key to its continuing success as a resort destination, feels the owner, is its landscape that, in spite of being new, had to complement the hotel, surrounded by mountains and overlooking 5,000 acres of unspoiled New England countryside.

The solution: hire local experts

Fortunately, Craffey could count on a pair of local professionals to design and build the "natural" landscape that the site demanded. Roger Petit and Mark Sullivan, partners in R&M Naturescape Designs LLC, brought unique skills to the project.

"He (Craffey) wanted whatever we did to have a natural feel to it," says Sullivan. That request perfectly

R&M workers used hundreds of tons of native stone to build terrace walls, water features.

R&M Naturescape Design pregerminated the turfgrass seed, then used a hydroseeder for faster establishment for the May reopening.

suit the company's expertise, which included the design of habitats and trails, too.

R&M Naturescape's collaboration with Craffey resulted in a landscape that blends two acres of new turf, 250 tons of dry-laid granite, gardens containing almost 100 varieties of annuals, perennials and spring-flowering bulbs and the landscape's signature water features.

Challenges? There were plenty.

Often, landscape crews worked at the same time and in the same areas as tradesmen refurbishing the hotel's exterior, a scheduling nightmare. "Usually, we were working on three or four projects at once, but we tried to plan ahead so that we were always busy somewhere on the site," says Sullivan.

Another challenge was the presence of a stone ledge running the length of the site, and where Sullivan had designed prominent water features. "The ledge ultimately determined where a lot of features were going to go," says Sullivan with a laugh.

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Patent # 5,916,027 and 6,158,167

Circle No. 106

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Water and stone features dominate the property — three ponds, two streams (one of 16,000 gallons per hour, the other at 8,000 gph), several sizable waterfalls (including one 9-ft. wide with a 6-ft. drop), and an antique 5-tier fountain to greet guests at the hotel entrance. R&M Naturescape relied on Chicago-based pond builder/supplier Aquascape Designs (www.aquasapedesigns.com) for the basic design and materials to install and make the water features appear natural yet maintainable. Areas surrounding the water features are finished with collections of native bog plants.

The landscape company, which employed as many as 16 workers during peak construction last summer, will be

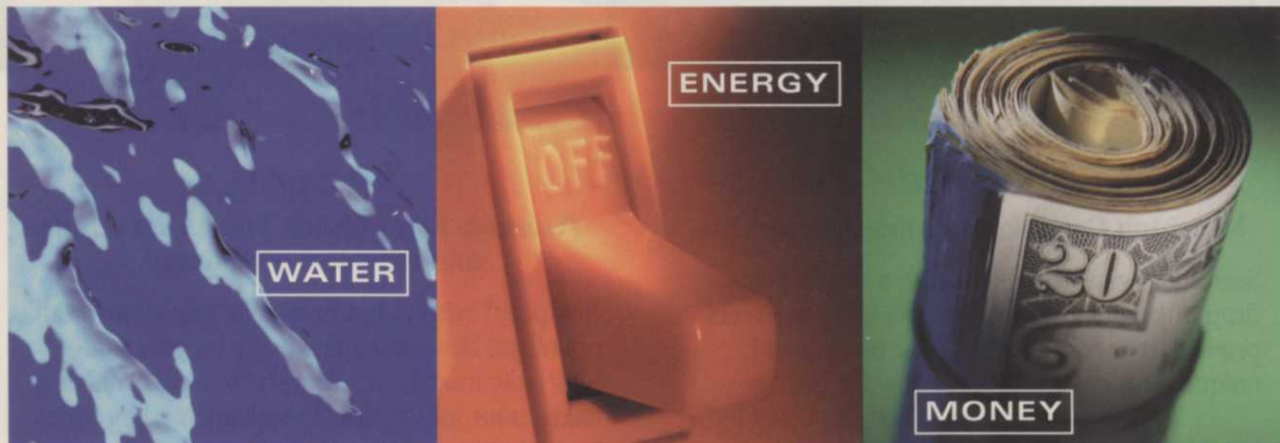
Running out of time: pregerminate

Realizing that winters come early in New England, R&M Naturescape pregerminated grass seed in 55-gallon plastic drums prior to hydroseeding the lawn at the Mountain View Grand Hotel. Roger Petite and his R&M Naturescape crew put the germinated seed down during the 2001 Labor Day weekend. He used a 300-gallon Turbo Turf hydroseeding unit rented from Dayton Supply in Maine.

Mark Sullivan, one of the partners in R&M Naturescape, said that he learned how to pregerminate seed by visiting the Web site www.turboturf.com. "It provided me with a lot of great information," he said. The company used a mixture of Kentucky bluegrass, perennial ryegrass and fescue seed (Catamont Supreme Mix from the Oliver Seed Co., Vermont) on the hotel site.

putting in finishing details and establishing gardens at the hotel until early July. Sullivan says that R&M Naturescape will seek to professionally

maintain the property, too. But no firm decision has been made about that, and Craffey says he may opt for in-house maintenance. **LJM**



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