

# LM REPORTS

YOUR GUIDE TO PRODUCT RESEARCH

## MAINTENANCE: SPREADERS AND SPRAYERS

### Grasshopper Mower

Apply pesticides, herbicides and fertilizers more effectively and efficiently with the Grasshopper Shielded Sprayer. The patented design contains the spray pattern for on-target application, even in windy conditions. The independent suspension and dolly wheels follow ground contours for precise and even spray application. Each spray chamber features four spray nozzles, which provide uniform coverage by applying finer spray droplets that coat vegetation instead of dousing it. Combined with True ZeroTurn maneuverability to avoid wasted motion, the result is up to 5.5 acres per tank — with fewer chemicals, faster application times and faster drying times. [GrasshopperMower.com/sprayer](http://GrasshopperMower.com/sprayer)



### Turfco

The new T3000i series of spreader sprayers is still small enough to fit through a 36-in. gate, yet productive enough for large commercial

properties. New features include a patent-pending, hands-free speed control system, trim-speed lock and Santoprene pump. A speed-control pedal allows the operator to keep one hand free at all times to run the unit. Combined with the steering wheel, pivoting front axle and floating ride-on platform, the new feature enhances operator control and overall ease-of-use. Training time is also decreased, because the hands-free speed system is intuitive and easy to understand. Additionally, the positioning of saddle tanks, the low center of gravity and hydrostatic transaxle braking system deliver dynamic braking and easy control and stability on uneven ground and hills. [TurfcoDirect.com](http://TurfcoDirect.com)



### L.T. Rich Products

The Z-Spray line of spreader/sprayers provides a wide variety of applications. Spray capacities range from 18 to 75 gallons; fertilizer capacities are from 200 to 300 lbs. All units offer a hydraulic hopper system, varying spray and spread widths, stainless steel chassis, 50-ft. hose reel, GPS speedometer, and a 16-hp Vanguard Commercial engine. New for 2009 is a locking caster system, adding to hill capabilities. [Z-Spray.com](http://Z-Spray.com)

### R&K Pump & Equipment

Located in Pompano Beach, FL, since 1980, R&K is proud to be an American manufacturer. All welding, fabrication and assembly is completed in-house to ensure quality control and on-time deliveries. The company manufactures for some of the largest fleets in the Green Industry, and provides maintenance for more than 1,500 commercial spray units. [RandKpump.com](http://RandKpump.com)



### Reddick Equipment

Since 1965, Reddick Equipment has been manufacturing sprayers for the lawn care, turf, deicing and agricultural industries, and provides parts for all major brands of spray equipment. Its lawn care skids are available as aluminum skid frames with poly tanks or as seamless fiberglass tanks with safety cross baffles, with capacity from 30 to 500 gal. [Reddick.cc](http://Reddick.cc)



### SnowEx

The new SP-65 walk-behind broadcast spreader offers a professional option for ice management at an entry-level price. With its 100-lb. capacity, the unit is ideal for use on sidewalks, driveways and other tight applications. Capable of handling bagged rock salt and pelletized material, the spreader includes a non-corrosive polyethylene hopper with a single-slot port design and extra-wide throat opening to ensure a smooth, consistent flow of material. A handle-mounted adjustment lever allows accurate control of the feed rate. Featuring a 10-in. plastic spinner and heavy-duty Nylatron gear drive, the unit spreads up to 12 ft. wide. *TrynexFactory.com*



### Hiniker Co.

Hiniker's dual-motor electric salt and sand spreaders allow users to tailor material application rates accurately and conveniently. Powered by the truck's 12-volt electrical system, these units provide individual variable speed control for both the conveyor and the spinner. The two electric motors offer quiet operation for residential and office applications. Hiniker dual-motor electric spreaders also feature blast control for quick, extra dense applications, and a reverse switch to clear jams quickly and easily. Standard hopper capacities are 1.50 cu. yd. for the 6.5-ft. model 635 and 1.80 cu. yd. for the 8-ft. model 835. *Hiniker.com*

### TurfEx

The new RS7200 Spread-N-Spray is powered by a 200cc Honda GX200 engine with a 2:1 ratio gear reducer. Its heavy-duty transmission includes two forward gears, plus neutral and reverse. The unit comes with a hand-operated transmission disc brake, as well as a foot-controlled sulky band brake. The large-capacity hopper accommodates 150 lbs. of material that can be spread as wide as 11 ft. The balanced tank system holds 17 gal. of liquid and contains one fill port for quick, convenient refilling. The sprayer is powered by a 2-gpm pump, and the low-pressure nozzles offer multiple spray patterns. A spot sprayer is provided for weed-spraying applications. Designed for smooth, safe operation, the machine has a low center of gravity and easily handles rough or uneven terrain because of the sulky's sealed bearing pivot. *TrynexFactory.com*



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## Solu-Cal USA

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## Broyhill

AccuPro 210 is Broyhill's answer to your dedicated sprayer needs. The new 27-hp Kohler version provides plenty of power, with a 5-speed manual GM transmission. Loaded with options that include spray controllers, foam marker, spray gun kits, motorized ball valve kits (to control flow) and more. Fifteen- or 21-ft. booms are available. [Broyhill.com](http://Broyhill.com)



## PermaGreen

The 2012 PermaGreen Triumph Spreader Sprayer features a fuel-efficient 5.5-hp Honda horizontal shaft engine and wet clutch, a 150-lb. hopper and a 12-gal. spray tank. Its laser-cut and precision-stamped 100% stainless steel frame features custom-molded protective panels for both safety and style. Other features of the 1-acre-capacity unit include a patented spray system, drop-down handlebars and a patented articulated sulky for smooth ride on rough terrain. [Permagreen.com/triumph](http://Permagreen.com/triumph)

## OPERATIONS: ENGINE OPTIONS

### Kohler Engines

The Command PRO EFI Propane Engine (similar to the FlexFuel E85 above), which combines closed-loop EFI (electronic fuel injection) technology with the benefits of propane, is an efficient, environmentally friendly option that provides increased productivity and a lower overall operating cost. EFI engines integrate an oxygen sensor that analyzes the air/fuel mixture in the unit's muffler. If the oxygen level strays from the ideal mixture, the sensor triggers adjustments to the amount of fuel injected into the system. EFI technology then closes the loop between the air/fuel intake and the exhaust output to provide a constant stream of critical feedback, which helps deliver optimal fuel efficiency, provides easier starting, improves power and increases life span. [KohlerEngines.com](http://KohlerEngines.com)



### Briggs & Stratton

The Vanguard power code is a square barcode on the engine that directs the user to important information for that engine model after being scanned with a smartphone's barcode reader. The code will provide the equipment operator with troubleshooting information suited for in-field support. Other highlights are: a dealer locator via GPS or zip code search; FAQs that include answers to operation and maintenance questions; a common replacement parts list for the specific engine; recommended maintenance instructions and schedules, including oil recommendations; advanced troubleshooting information for more technical engine repairs at the shop; owner's manuals by request or PDF download to the user's phone; and language preference, English or Spanish. [BriggsAndStratton.com](http://BriggsAndStratton.com)



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Rain Bird List Price	Hunter List Price
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**Rain Bird® ESP-SMT Indoor Controller:**  
Save 10% over Hunter® Pro-C plus Solar Sync.\*

Rain Bird List Price	Hunter List Price
<b>\$26000</b>	\$29000

\*Based on U.S. Rain Bird® list pricing effective January 1, 2012 and Hunter® list pricing effective September 5, 2011.



## DESIGN: LIGHTING

### Kichler

The Design Pro LED Hardscape, Deck, Step & Bench accent lights are available in three new finishes to complement popular stone and decking colors. Ideal for illuminating retaining walls, columns, steps and other outdoor areas, the sand,

gray and textured white options join textured architectural bronze, bronzed brass, and copper finishes. Available in three sizes (6.9, 12.9 and 18.9 in.) and with or without brackets, these energy-efficient



fixtures feature a slim, 2/3-in. profile and low heat output. Because they hard-mount with just two screws in non-hard-scape applications, they also offer easy installation and expanded versatility. With a 40,000-hour lifespan, Kichler's hardscape lights illuminate outdoor areas with a pure, warm, white light, using 75% less energy than traditional incandescent or halogen lighting. [Kichler.com](http://Kichler.com)



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### Cooper Lighting

Designed to meet today's demanding energy and environmental needs, Cooper Lighting's LightBAR technology features the patented AccuLED Optics. The system's application-specific design allows lumen and energy output to be customized to fulfill the exact needs of the outdoor space — eliminating wasted energy and obtrusive spill light. Designed for both new construction applications or to replace inefficient luminaires, the next-generation LightBAR technology is available in two versions (7 LEDs and 21 LEDs), three standard colors, and 13 different optical distributions, providing versatility for every outdoor need, including area/site, floodlighting, wall mount, canopy and pathway solutions. [CooperLighting.com](http://CooperLighting.com)



### Acuity Brands

New American Electric Lighting AVPL is a LED post top lighting choice for local roads, commercial streetscapes, campuses and green spaces. The diecast aluminum unit offers the same approximate size and weight as its HID counterpart, and includes the same installation-friendly features. With its Valiant Colonial-style look, the AVPL combines traditional styling with cutting-edge technology and glare control. [Acuity-Brands.com/outdoor](http://Acuity-Brands.com/outdoor)





## OPERATIONS: UTILITY VEHICLES



### Kubota

The RTV900XT from Kubota is the newest version of its popular RTV900 workhorse utility vehicle model. Building on the strengths of Kubota's exclusive diesel-powered RTV900, the new model features a newly improved Kubota exclusive Variable Hydro Transmission (VHT) Plus2, which boasts substantial torque to maximize towing and hauling performance. The new transmission, coupled with smooth dynamic-braking and easier shifting, makes the Kubota RTV900XT ideal for the toughest residential and professional jobs. [Kubota.com](http://Kubota.com)



### Bobcat

Bobcat's new line of utility vehicles includes the 3200, 3400, 3400XL and 3450. Options and accessories are available to customize the vehicles to fit customers' unique needs. Improvements include performance enhancements such as more responsive acceleration, better payload capacities (up 33% from previous models), increased horsepower and top speeds, and electronic fuel-injected gas 4x4 models that start easier and run more reliably in higher altitudes. Other improvements include: high and low gears, a top speed of 30 mph, electronic fuel-injected gas 4x4 models, four-wheel independent suspension that improves agility over rough terrain, sealed CVT guard, skid plate, CV shield, radiator guard, composite cargo bed and RapidLink attachment mounting system on the 3450 model.

[Bobcat.com](http://Bobcat.com)



### Deere

Gator Mid-Duty XUV 550 and 550 S4 crossover utility vehicles provide off-road performance, improved comfort, cargo versatility and the ability to transport as many as four people across all types of terrain. With independent, double-wishbone suspension, the vehicles provide 9 in. of wheel travel and as high as 10.5 in. of ground clearance to smooth out the ride. For the 550 model, users can choose from standard, high-back bucket seats or bench seats. The 550 S4 (pictured) comes standard with two rows of bench seats. Both vehicles have a top speed of 28 mph and 4-wheel drive. The 16-hp, 570 cc, air-cooled, v-twin gas engine provides greater speed and horsepower than most vehicles in its class, and the cargo box can carry as much as 400 lbs. of gear. The 550 model is small enough to fit in the bed of a standard pick-up truck. [JohnDeere.com](http://JohnDeere.com)

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