

**Smithco** 50 1967 ★ 2017  
YEARS



**GOLF COURSE  
MAINTENANCE EQUIPMENT**

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



Ted Smith, Founder  
1915-2013

## Our 50th Anniversary. Dedicated to Ted Smith.

“ He founded Smithco in 1967 in Wayne, Pa., and that same year launched the well-known Red Rider utility truck, a nifty vehicle to transport people and walking greens mowers.

‘He started Smithco at the age of 52 when most men were thinking about retirement,’ his son, Don Smith, tells GCM. ‘He always respected the golf course superintendent and only produced products using their input.’

Riding bunker rakes were another product that Ted Smith developed. Smithco has grown through the years, adding factories in Kansas and Wisconsin, where they manufacture sprayers, sweepers and greens rollers. The Red Rider, though, always seemed to be first and foremost in his heart.

‘The Red Rider definitely was his baby,’ Don Smith says. ‘In fact, in one of our last conversations while he was in the hospital I asked him if he had any new ideas for the company.’ His response was ‘Bring back the Red Rider.’

Smithco continues to keep running strong with Don Smith as president, Bill Kenney as vice president and 65 dedicated sales, engineering and administrative staff. ”

*Howard Richman, GCM associate editor*

# Golf Course Maintenance Equipment

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# BUNKER RAKES

Smithco has been setting the standards for bunker rakes for the past 40 years, and our current family provides new and exclusive features that make them the best we've ever made...the best you've ever used!



**Sand Star Hydraulic Series.**  
*Unmatched comfort, traction and stability.*

- Perfectly balanced for superior traction and stability.
- 5 models in both 2 & 3 wheel drive with parallel or series / parallel drive systems, 16 & 18 HP gasoline engines & 18 HP diesel engine, hydraulic & mechanical steering systems.
- “Star Trak” drive system on Sand Star II & III for improved traction & increased transport speed.
- Hydraulic control of implements with unmatched ground clearance.
- Widest range of implements for grooming, rolling, spiking, renovation, construction, debris and core removal, fertilizer applications and standing water management.
- ROPS with seat belt and work lights optional.

## SAND STAR (Prime Movers)

### 45-001 SAND-STAR I

2-Wheel Drive, 16 hp (12 kW) OHV Vanguard gasoline engine, INCLUDES 45-017 Remote Cyclo-Pac Air Cleaner & 45-018 & Hydraulic Center Implement lift/lower, Factory Installed

### 45-002 SAND-STAR II

3-Wheel Drive Smithco 2WD-3WD Traction Assist, 2 wheel drive selector for traction & increased transport speed, 18hp/13 kW OHV Vanguard gasoline engine. INCLUDES 45-017 Remote Cyclo-Pac Air Cleaner & 45-018 & Hydraulic Center Implement lift/lower, Factory Installed

### 45-003 SAND-STAR III

3-Wheel Drive Smithco 2WD-3WD Traction Assist, 2 wheel drive selector for traction & increased transport speed, Hydraulic Power Steering, 18hp/13 kW OHV Vanguard gasoline engine. INCLUDES 45-017 Remote Cyclo-Pac Air Cleaner & 45-018 & Hydraulic Center Implement lift/lower, Factory Installed

### NEW! 45-204 SAND-STAR IV

3-Wheel Drive Smithco SERIES-PARALLEL Traction Assist DRIVE, Hydraulic Power Steering, 18hp/13 kW OHV Vanguard gasoline engine. INCLUDES 45-017 Remote Cyclo-Pac Air Cleaner & 45-018 & Hydraulic Center Implement lift/lower, Factory Installed

### NEW! 45-205 SAND-STAR Diesel

3-Wheel Drive Smithco SERIES PARALLEL Traction Assist DRIVE, Hydraulic Power Steering, 18hp/13 kW Liquid-Cooled 3-cylinder Diesel Engine Tier 4 Compliant. INCLUDES 45-017 Remote Cyclo-Pac Air Cleaner & 45-018 & Hydraulic Center Implement lift/lower, Factory Installed



## The Sand Star ZEE Bunker Rake

### *Does what the competition can't do.*

- Only the ZEE offers the power and torque of a 22 hp (16 kW) twin-cylinder gas engine.
- Only the ZEE offers a front-mounted plow and the widest range of implements of any manufacturer.
- Only the ZEE offers mid-mounted sand cultivators with either manual or electric/hydraulic operation.
- Three-wheel configuration. With CERTIFIED ROPS/seat belt.
- (2) 25 x 10 x 12 rear tires.
- Electric /hydraulic lift /lower for rear implement.



45-511 serrated rubber rake with optional finish brush

## SUPER STAR ELECTRIC DRIVE SERIES

### SUPER STAR ELECTRIC DRIVE SERIES (Prime Movers)

#### 8440 SUPER STAR 48-VOLT Electric

2-wheel drive, 5hp (3.75 kW) continuous duty electric motor, (4) 12-volt deep cycle batteries, electric operation of rear- and center-mounted implements, regenerative braking system, requires an optional battery charger.

#### 8450 SUPER STAR 48-VOLT Electric

Same specifications as 8440 except includes (4) 12-volt AGM gel cell batteries.

## Super Star 48-Volt Electric Bunker Rake

*Guaranteed to rake every bunker on any 18-hole course on a single charge.*

- Whisper quiet during play and early morning hours.
- 5 hp industrial grade, continuous-duty drive motor.
- Advanced solid-state electric motor controller.
- 2-wheel drive regenerative braking system.
- Electronic operation of rear and center implements.
- (4) 12-volt deep cycle batteries.
- Optional, AGM available at extra cost.



# BUNKER RAKE IMPLEMENTS AND ACCESSORIES

## Rear-mounted Finish Rakes and Brushes

**a. Core Collector** – fast economical way to pick up cores from greens. Labor saving and very cost efficient.

**b. (72"/183 cm) and (84"/213 cm) Steel Tournament Series Rake** – with stainless steel spring tines shown with optional finish brush to provide a smoother finish versus a grooved finish.

**c. (72"/183 cm) and (84"/213 cm) Tournament Series Rake with Flex-Brush** – hinged 3-section stainless steel spring tines, 3 trowel plates with adjustable grooved blades, 4 grooved floating finish blades, rubber grommets for noiseless transport, outer sections flex in tight turns to reduce the unsightly "doughnut". The final finish is a smooth brushed appearance.

**d. (72"/183 cm) Fan Rake** – 5 spring steel fan rakes mounted to a floating mount bar. Provides a less aggressive grooved finish, also works well for debris removal from bunkers. Not pictured 13-319 (72"/183 cm) Fan Rake Kit which mounts to rear of 13-758 Pro Rake.

**e. Brush Attachment Kit** for 72"/183 cm and 84"/213 cm finish rakes – final finish is a smooth brushed appearance in lieu of the grooved finish. A soft, natural, windblown look.

**f. Serrated Rubber Rake** with optional finish brush.

**g. (72"/183 cm) Pro Rake** – an upgraded version of our classic rake that was developed over 30 years ago – hinged 3-section steel tine segments, 3 grooved trowel plates and 5 grooved floating finish blades.

## Center-mounted Implements and Accessories

**h. (58"/147 cm) Sand Cultivator** – straight blades.

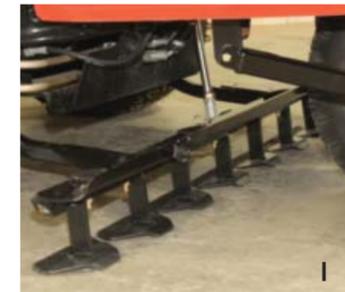
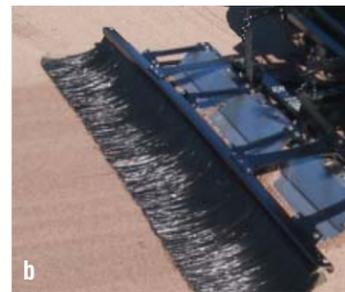
**i. (58"/147 cm) Sand Cultivator** – stainless steel, flexible spring tines loosen the sand while protecting the bunker edges.

**j. (58"/147 cm) Construction Leveling Blade** – ideal tool for tee and green construction.

**k. Disc Edger** – rolling blade for bunker edging.

**l. (58"/147 cm) Sand Cultivator** – triangle-shaped blades.

**m. (58"/147 cm) Cart Path/Sidewalk Edger** – knife edge, spring-loaded rolling blade.



## Front-mounted Implements and Accessories

**n. (40"/102 cm) Manual Plow** – aluminum blade, replaceable wear plate available in straight blade or adjustable angle feature configurations. Easy and convenient stow/deploy operator handle, fully adjustable.

**o. (40"/102 cm) Hydraulic Plow** – aluminum blade, replaceable wear plate available in straight blade or adjustable angle feature configurations. Hydraulic operation of stow/deploy.

## Rear-mounted Implements and Accessories

**p. Typhoon Pumping System** – remove standing water from bunkers, turf areas or hard surface. 600 gpm high-volume pump for liquids and semisolids, 6.5' (2 m) suction snorkel ensures that the prime mover stays dry. 11 hp (8.5 kW) gas engine, electric start.

**q. (66"/167 cm) Box Grader** – hinged scarifier tine bar, levelling blade, ideal tool for tee and green construction.

**r. Roller Brush Spiker System** – a quick-attach 3-section system for rolling greens or newly sodded areas; work topdressing into the soil profile after aeration; spike your fine turf to allow moisture, air and nutrients into the root zone. Each component can also be purchased separately.

**s. RBS 3-section Spiker** – open up greens and tees effortlessly using your Smithco bunker rake.

**t. Engine-Powered Leaf and Debris Blower** – 10 hp gasoline engine, blower 2800 CFM, 190 mph makes quick work of leaf and debris removal.

**Dry Fertilizer and Chemical Spreader** – quickly and easily apply fertilizer or topdressing sand to fine turf, salt and sand to hard surface for ice control. 100 lbs (45 kg) polyethylene hopper (rustproof), 12-volt powered. (not pictured.)

The widest range of implements and attachments from any manufacturer.

# SWEEPERS, VACUUMS AND BLOWERS

## **NEW!** Sweep Star 60 Quad (gas)

- 31 hp (23 kW) Vanguard twin-cylinder OHV gasoline engine with double-action remote air intake system.
- Hydrostatic-drive 4-wheel design with front leaf spring suspension, 3 cubic yard (2.2 cu M) high-lift dump debris hopper lifts to 74" (1.8 m.)

- 60" (153 cm) wide sweeper head fitted with either a rubber finger reel or a nylon bristle brush reel for debris removal. Adjustable sweeping height, terrain-following sweeper head fitted with dual caster wheels.
- Hydraulic power steering.
- Rollover protective structure (ROPS) with operator seat belt.



## **Sweep Star V62**



**The Sweep Star V62 is our most popular sweeper-vac and for good reason. Compare it to the competition and see for yourself. It's the perfect solution for picking up leaves, grass, trash and aeration cores.**

- 4 cubic yard (3 cu M) debris hopper capacity.
- 62" (158 cm) terrain-following sweeper head.
- 31 hp (23 kW) Vanguard twin-cylinder, gasoline engine.
- Mechanical drive vacuum impeller, hydraulic drive sweeper head.
- Adjustable control console allows operator to control every function of the sweeper from the seat of the tow vehicle.
- Debris gets compacted by the steel impeller prior to entering the hopper.

Smithco offers a lineup of debris management products that lead the field in efficiency, quiet operation and versatility.

The Sweep Star 60 and 48 are riding turf sweepers designed for large area debris removal. Both units feature hydrostatic drive, hydraulic operation of debris hopper lift/dump and sweeper head lift/lower. The 3-wheel design makes them extremely maneuverable in tight areas and the high-lift hopper deposits debris into trucks, trailers or refuse containers. Terrain-following sweeper heads are available with either rubber fingers or nylon brush reels.

## Sweep Star 60

- Choice of 31 hp (23 kW) twin-cylinder gasoline power (Model 76-000) or 19.9 hp (15 kW) 3-cylinder diesel power (Model 77-100).
- 3 cubic yard (2.3 cu M) debris hopper capacity.
- 60" (154 cm) wide, terrain-following sweeper head with a choice of rubber finger sweeping reel or nylon bristle brush sweeping reel.
- Safety equipment includes ROPS, seat belts and slopometer.
- High-back seat and tilt steering wheel provide operator comfort.
- Easy-to-reach hydraulic controls make operating all systems easy.



## Sweep Star 48

RIDING SELF-PROPELLED 48" (123 cm) SWEEPER SWEEPING

- 1.6 cubic yard (1.2 cu M) capacity.
- High-lift dump and terrain-following sweeper head with double-gauge wheels.
- Hydraulic drive with 18 hp (13 kW) twin-cylinder gasoline engine.
- High-lift dump raises to 65" (190 cm).
- Electric start with 12-volt battery.
- Smithco engineered rollover protection device with seat belts.
- Dust and dirt filtration filters standard.



## Sweep Star V72 Big Vac PTO Drive Sweeper-Vacuum- Verticut

- 7 cubic yard (6 cu M) debris hopper capacity.
- 72" (188 cm) terrain-following sweeper head.
- Tractor PTO drive (40 hp minimum).
- Mechanical-drive vacuum impeller.
- Hydraulic drive to rubber finger and verticut reels.
- Option of rubber finger reel or combination rubber finger/verticut reel sweeper heads.



## Sweep Star V72-E Engine Drive Sweeper-Vacuum

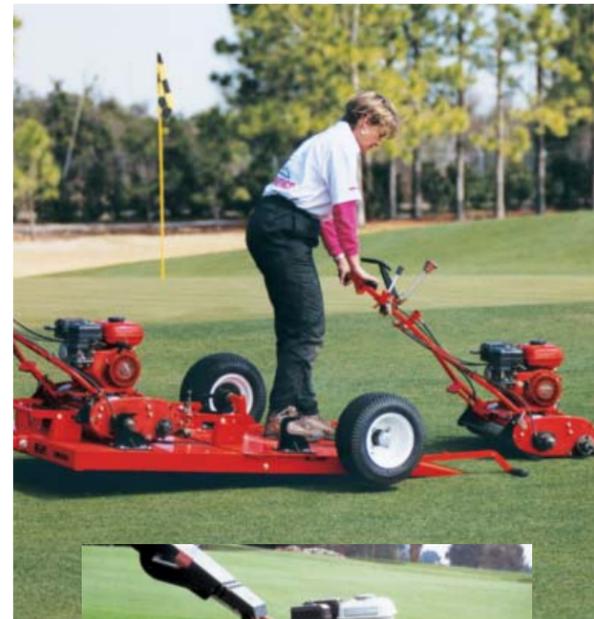
- 7 cubic yard (6 cu M) debris hopper capacity.
- 72" (188cm) terrain-following sweeper head, rubber finger reel only
- 31 hp (23 kW) twin-cylinder Vanguard gasoline engine.
- Mechanical-drive vacuum impeller.
- Hydraulic-drive sweeper head.





## Wind Star Leaf and Debris Blower

- 3-point hitch mount, PTO driven.
- 200 mph (322 kph) air velocity. 9500 CFM fan.
- External grease fittings for easy maintenance.
- Dual caster wheels plus turf roller.
- Optional remote-operated, multi-directional chute.
- 3" fan.



## Mow-n-Go Trailers

- Mower automatically locks onto the cargo beds with latching bars and wheel wells.
- Bedknives, rollers, drums are safe from damage.
- For all major brands – Jacobsen, Ransomes, Toro and Deere.
- Double Mow-n-Go (shown top photo) carries two mowers at a time.



## Aer-8 Aerifier

### Rolling Aeration Taken to a New Level

- Available in 60" (152 cm) and 78" (198 cm) widths, either pull-type or 3-point hitch mounted frame styles. The pull-type kit can be outfitted with hydraulic lines directly to the tow vehicle or with an electric/hydraulic power pack. The power pack includes a remote control to the driver's seat and a battery-charging cable to maintain charge in the battery through repeated use.
- The Smithco Aer-8 Aerifier includes electrically welded high-strength agricultural steel frame and horizontal water ballast tank.
- Four-tine reel options to quickly change your aeration patterns as weather and turf conditions dictate.



TURF-QUAKE



ALL-STAR



AER-FINE



CORING

# SPRAY STAR DEDICATED SPRAY VEHICLES



## Spray Star 3180

### THE PRIME MOVER

- 35.5 hp (26.6 kW) Kubota 4-cylinder liquid-cooled, mid-mounted diesel engine for equal weight distribution and easy service access to drive and spray pump components.
- The most compact, most maneuverable large capacity dedicated spray vehicle on the market! 8' (243.8 cm) inside turning circle.
- Hydrostatic drive with infinitely variable speed 0-10 mph (0-16 kph) entire hydraulic system Parker Certified Leak Resistant (GPP system).
- Two-wheel drive via hydraulic wheel motors featuring planetary gears and an operator presence integrated parking brake system, front-wheel suspension system standard.
- Two ground speed control systems standard – “Speed Boss” for small area applications such as greens, tees, approaches and “Magnetic Cruise Control” for large area applications such as fairways and rough. Consistent speed equals pinpoint chemical applications!
- Twin-seat operator platform with hydraulic power steering.
- Certified rollover protection structure (ROPS) with seat belts.

### THE SPRAY SYSTEM

- Low-profile 318 gal. (1202 l) spray tank constructed with chemical-proof fiber reinforced polystyrene with UV inhibitors. Integrated tank volume sight tube and air-gap tank loading device.

- Hypro high-volume stainless steel centrifugal spray pump fitted with audible low-pressure warning device and self-priming feature. 70 gpm (265 lpm), 10-80 psi (0.7-7 bar).
- Quad-Turbo (4 jet) tank agitation system with venture volume boosters and agitation control valve.
- Self-cleaning in-line strainer for reduced maintenance and supply pressure gauge to monitor pump performance.
- Nylon modular sprayer plumbing system features non-thread fittings with O-rings seals for reduced maintenance and ease of repair.
- Super Boom triangular truss design dry spray booms, triple nozzle bodies on 20” spacing, electric/hydraulic operation of outer boom sections, hinged breakaway forward and reverse. Options of 18.5' (5.5 m) or 20' (6 m) boom width.

### THE SPRAY STAR 3180 OFFERS A CHOICE OF SPRAY CONTROL SYSTEMS:

Computer flow-based automatic rate control that offers multiple imputed target application rates that automatically adjust volume to the spray boom independent of speed changes.

Electric-pressure based spray control that offers adjustable pressure gauge, individual boom section control and a master boom control switch.

*(See page 16: Smithco Star Command)*

## Spray Star 2000

- Hydraulic-drive spray vehicle with 200 gal. (757 l) capacity
- “Perfect Solution” ultra low-profile fiber re-enforced polystyrene spray tank
- 31 hp (24 kW) twin-cylinder gasoline engine or 25 hp (19 kW) 3-cylinder, liquid-cooled, 1.1 liter displacement DIESEL engine.
- Ultra high-volume STAINLESS STEEL centrifugal spray pump.
- Choice of electric or computer spray control system.
- Smithco Operator Protection Structure with seat belts.

### THE SPRAY STAR 2000 OFFERS A CHOICE OF SPRAY CONTROL SYSTEMS:

- Smithco Pulse Width Modulation Advanced Rate Control/Nozzle System with choice of either:
  - Advanced Spray Control System OR
  - Advanced Spray Control System with Accurate Satellite Controlled Precision. Choose between G.S. satellite positioning or RTK Network.

*(See following page: Smithco Star Command)*



# SMITHCO STAR COMMAND

Not only the most solid, maneuverable and stable spray vehicles anywhere, the Spray Star 2000 and 3180 are the basis for the Star Command Chemical Delivery System.

## Chemical Delivery and Control System

### Three tightly integrated modules change how you approach spraying.

- Spray at any speed you choose from 2-10 mph, all without changing nozzle sizes.
- Never overspray between passes again.
- Never spray outside your target area again.
- Save up to 25% on chemicals annually.
- Save up to 33% of labor on applying chemicals.



**1** The SMITHCO STAR COMMAND SYSTEM starts with our 2 finest sprayers each factory-fitted with the Smithco-Capstan® SharpShooter®, the SharpShooter Electronic Control and the Raven Envizio GPS Pro®.

**SPRAY STAR 2000** The midsize/right size spray vehicle for the whole course.

**SPRAY STAR 3180** The wide-area spray vehicle with the most maneuverability and lightest touch on the turf.

**2** The STAR COMMAND SYSTEM controls the on/off spraying function right at the tip. Instantaneously. The Capstan® SharpShooter® and the SharpShooter Electronic Control AUTOMATICALLY allow ANY application rate from 0.4 gal per 1,000 sq ft...ANY operating speed from 2-10 mph... and ANY pressure necessary to control drift. All this is done AUTOMATICALLY with no nozzle tip changes. Spray on and shutoff is instantaneous. The proper flow and pressure is always maintained when the boom is turned on. You realize significant reductions in spraying time without compromising quality.



**3** Never overspray again. With A Raven Envizio GPS Pro® display you'll see on the monitor an "As-Applied" map of the application as it is being created by the GPS-guided sprayer's individual nozzles. They will automatically and instantly shut off over areas that have already been sprayed and automatically and instantly turn back on over unsprayed areas. "As-Applied" maps can be created and named for each fairway. Then each map can later be downloaded to the office computer as a permanent record of the application.



## THE POWER OF R.O.I.

Projected Annual Savings on \$50k Chemical Budget			
Low Speed Over Application	Overspray Savings	Overlap Savings	Total Potential
(up to) \$1,250	(up to) \$12,500	(up to) \$1,250	\$15,000

**The Star Command is the only GPS-guided sprayer used and tested by superintendents on golf courses. For over 4 years!**

© Capstan and SharpShooter are registered trademarks of Capstan Ag Systems, Inc.  
 © Envizio GPS Pro and Raven Switch Pro are registered trademarks of Raven Industries, Inc.

Every Smithco dedicated sprayer is designed to apply the exact amount of chemicals required, to offer the maximum safety for your operator and players and to protect the environment.

# TURF-CARE VEHICLES

## Spray Star 1750

### Hydrostatic-Drive Spray Vehicle

- 175 gal. (661 l) capacity.
- “Perfect Solution” elliptical polyethylene spray tank with lifetime guarantee.
- High-volume STAINLESS STEEL centrifugal spray pump.
- 31 hp (24 kW) gasoline engine.
- Choice of manual, electric or computer spray control system.
- Smithco operator protection structure w/seat belts.



## Spray Star 1000

Now available with Star Command Chemical Delivery and Control System. Highly accurate controls deliver the precise application of liquid chemicals to greens and fine turf. Your first choice for accuracy, safety and ecology.

- The lightest footprint and most compact/maneuverable dedicated fine turf spray vehicle in the world. Less than 8 psi (.6 bar) fully loaded!
- Hydraulic-drive spray vehicle with 110 gal. (416 l) capacity.
- “Perfect Solution” elliptical polyethylene spray tank with lifetime guarantee.
- 23 hp (19 kW) gasoline engine.
- High-volume STAINLESS STEEL centrifugal spray pump.
- Choice of manual, electric or computer spray control system.
- O-ring seal threadless spray system.
- Certified ROPS w/seat belts.
- Electric start with 12-volt battery.



## TCV 5000 Ultra High-Capacity Vehicle

- 5,000-pound (2,275 kg) payload capacity.
- Hydrostatic drive with hydraulic dump system.
- 4-cylinder liquid-cooled 35.5 hp (26.6 kW) DIESEL engine. ROPS/seat belt system.
- Two seats. High flotation turf tires with low ground pressure/vehicle weight ratio.
- Hydraulic power steering.
- Cargo box options – gondola box, tailgate box or flatbed.



# FAIRWAY ROLLERS



Ultra 15 Fairway Roller

## Smithco Ultra 10 and Ultra 15 Fairway Rollers with Money-Saving Tow-Behind Design

The 5 gang Ultra 15 Fairway Roller has a balanced hydraulic system to keep ground pressure even over its 15' swath. At 10 mph, the Ultra 15 will roll 18 acres an hour – three times as fast as mowing! Our 3 gang Ultra 10 Fairway Roller has a 10' swath to provide 12 acres an hour of productivity at 10 mph – twice as fast as mowing! Ultra 10 offers either tow vehicle remote hydraulics for wing roller fold/unfold and transport lift/lower or self-contained integrated electric/hydraulic system for use with a wider variety of towing options. And to provide even more versatility, optional spiker unit (Ultra 10 only) can be fitted in as little as 15 minutes, giving a 3" X 3" pattern that can go as deep as 1 1/2". The Ultra 15 has a 150-gallon water ballast tank while the Ultra 10 uses a 100-gallon tank.



Spiker Reels

### FAIRWAY ROLLERS

#### 12-500 FAIRWAY ULTRA-10-SC

10' (3 m) wide, self-contained fairway roller with integrated electric/hydraulic power system to fold wing rollers and lift/lower for transport, 100 gal. (379 l) ballast tank, battery charge cable, roller scrapers.

#### 12-501 FAIRWAY ULTRA-10-TV

10' (3 m) wide fairway roller, electric/hydraulic power system to fold wing rollers. 100 gal. (379 l) ballast tank. Hydraulic power for transport lift/lower supplied by tow vehicle. Roller Scrapers.

#### 12-750 FAIRWAY ULTRA-15-SC

15' swath. Remote hydraulics for wing roller fold/unfold and transport lift/lower or self-contained integrated electric/hydraulic system for use with a wider variety of towing options. 150-gallon water ballast tank.

#### 12-502 SPIKER REELS for 12-500, 12-501

Optional spiker heads can be fitted in as little as 15 minutes. Makes aerating quick and easy.



Ultra 10 Fairway Roller

**ON-GOING TESTS OVER A TWO-YEAR PERIOD INDICATE INCREASED ROLLING OF FAIRWAYS CAN REDUCE FUNGICIDE APPLICATIONS AN AVERAGE OF 50%.**

*–University of Massachusetts, Stockbridge School of Agriculture*



Jay Popko and Geunhwa Jung, Stockbridge School of Agriculture

### TEST SUMMARY

- Plots were unrolled.
- Rolled 3 times/week.
- Rolled 4 times/week (Double roll 2 days).
- Rolled 6 times/week (Double roll 3 days).

Different fungicide spray schedules were tested (Threshold vs Calendar at 21 days interval) and initial results indicate rolling can reduce fungicide applications if threshold-based spray programs are used an average of 50%. This should be a major cost reduction if further test plots confirm this. Testing will continue next year on fungicide application as well as the effectiveness of rolling at reducing dollar spot, thatch and clipping yields.

# GREENS ROLLERS

Smithco has revolutionized the art of rolling with new features, electric power and exceptional value.



## Tournament Ultra 7580

*Our most-popular greens roller is loaded with exclusive features.*

- 16 hp (12 kW) twin-cylinder gasoline engine greatly reduces vibration and the low-tone muffler makes the unit “Ultra” quiet.
- “Direct-Drive System” couples hydraulic motors directly to roller shafts eliminating time-consuming drive chain adjustments and maintenance.
- Dual-roller drive provides exceptional traction in both directions.
- Speed Boss feature allows adjustment to rolling speed for consistent results in green speed.
- Tilt steering for operator comfort and safety (Models 7580 and 7590).
- Excellent service access to both engine and hydraulic components.
- Extra-wide transport trailer with roller-guide brackets and transport latch make loading and unloading fast and easy.



## New Tournament XL 7000 Ultra-Wide Greens Roller

*The widest, most-productive greens roller made.*

Three articulating rolling heads give you a 70”-wide rolling area. It’s the widest, most-productive greens roller available. Your rolling time will be reduced dramatically.

- 70 ” (178 cu M) rolling width.
- 16 hp (12 kW) Vanguard OHV gasoline engine.
- TRIPLE hydraulic DIRECT drive to rollers.
- 10 mph ground speed for rolling.
- Hydraulic power steering.



*Ultra Plus 7590 – Adds hydraulic power steering to all of the features described above.*

## Ultra Lite Greens Roller

*The lightest riding greens roller made with dual hydraulic roller drive.*



- At 605 lbs, it's the lightest riding greens roller made with dual hydraulic roller drive for superior traction and maneuverability.
- Direct drive which does away with the chain maintenance required by mechanical systems.
- The hydraulic operation of both 8" seamless tapered steel drums eliminates slipping on steep slopes and the damage that can be caused by single-drive rollers.
- Powered by a 9 hp Honda Commercial Duty engine with maximum speed of 9 mph, a tight turning radius of just over 10', it delivers a whole lot yet it's the most affordable roller made by Smithco.

## Tournament Electra A/C

All-new A/C (alternating current) drive gives enough power to roll 18 holes on any golf course on a single charge. (proper battery condition required.) Used at the Ryder Cup, PGA Championships and U.S. Open to eliminate any chance for oil leaks on the greens and make the greens perfectly playable.

- Velvet smooth and whisper-quiet to operate.
- The "Smartec" A/C drive system offers "DOUBLE" the run time from a single-charge cycle versus conventional D/C (direct current) drive systems.
- Drive system consists of twin variable speed A/C induction motors coupled to gear reductions driving to both 36" rollers.
- Dual-roller drive system offers exceptional traction in both directions.
- 48-volt D/C source using (6) 8-volt deep cycle batteries.
- Electric "Fail-Safe" parking brake system.



### TOURNAMENT GREENS ROLLERS

#### 7580 TOURNAMENT ULTRA GREENS ROLLER

16 hp (12 kW) Vanguard OHV gasoline engine with #7505 trailer, dual-control cables, dual hydraulic direct-drive rollers.

#### 7590 TOURNAMENT ULTRA PLUS GREENS ROLLER

All the features of the ULTRA ROLLER (above) PLUS hydraulic power steering.

#### 7575 TOURNAMENT ULTRA LITE GREENS ROLLER

World's only lightweight greens roller with power to each roller 9 hp (6.5 kW) Honda commercial engine with trailer, dual-pedal control, direct drive to rollers.

#### 7576-CE TOURNAMENT ULTRA LITE GREENS ROLLER

World's only lightweight greens roller with power to each roller, 8 hp (6.5 kW) Honda commercial 12-volt electric-start engine with trailer, dual-pedal control, direct drive to rollers. CE certified.

#### 7555 TOURNAMENT ELECTRA A/C GREENS ROLLER

48-volt A/C (alternating current) battery power, harnessed by TWO A/C control modules. Dual-roller drive, (6) 8-volt deep cycle batteries are required, #7511 trailer included. Requires charger.

***Smithco.com***