

Smithco

ATHLETIC FIELD EQUIPMENT



SAND STAR HYDRAULIC SERIES

HOW SAFE ARE YOUR PLAYING FIELDS?

Over the last 20 years, the need to provide players with safer fields at every level has taken on new meaning for grounds managers, coaches and park managers. This concern is being driven by a number of important factors; among them are the increase in the number of injuries, peer pressure, aesthetics and liability.

Safer fields has become a top priority at Smithco, too. Our line of Infield Groomers helps make base paths and warning tracks consistently smooth, level and attractive while providing surfaces with enough give to help prevent injuries from falls, slides or even bad hops.

And there’s a good reason we can promise this. Unlike other groomers, ours have center-mounted scarifiers. That’s important. It’s where most of the machine’s weight is available to help dig into hard surfaces and provide a smoother surface.

From Don Smith, president of Smithco, to Bill Kenney, vice president and the 65 dedicated sales, engineering and administrative staff, it’s Smithco’s mission to provide exceptional products with the finest support to everyone who maintains an athletic fields.

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OUR GROOMERS WILL HELP MAKE YOUR FIELDS SAFER.



There are many groomers on the market that you could buy for the day-to-day maintenance of infields. Smithco alone manufactures 6 different models to fit any need or budget. So it's important to purchase the model and attachments that best suit your particular needs.

Keep in mind that a groomer is not a renovation tool. It's ideally used on a regular basis to keep fields in playable condition, to keep it looking great and to help keep it SAFE.

Safety is now a concern at every level. Our line of Infield Groomers help make infields and warning tracks consistently smooth, level and attractive while providing surfaces with enough give to help prevent injuries from falls, slides or even bad hops.

- 5 models in both 2- or 3-wheel drive, 16 or 18 hp gas engines.
- 18 hp diesel engine, hydraulic or mechanical steering.

- "Star Trak" drive system on 3-wheel drive models for improved traction and increased transport speed.
- Hydraulic control of implements with unmatched ground clearance.

WE OFFER OVER 25 DIFFERENT IMPLEMENTS FOR for grooming, rolling, aeration, renovation, construction, debris and core removal, topdressing and fertilizer applications and standing water management.

- Front-mounted plow, 40" and 60" widths. Level your field and fill in low spots.
- Flex action finisher with finish brush – Smooths and levels infields whether wet or dry.
- Spring Tine Scarifier chews into surfaces but skims over base spikes or pockets.



UNMATCHED COMFORT, TRACTION AND STABILITY.

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

SAND STAR HYDRAULIC DRIVE SERIES (PRIME MOVERS)

2- or 3-wheel parallel hydraulic drive systems, “Speed Boss” adjustable speed grooming system, “Pro Pedal” engine throttle system, timed wheel motors and dual-drum parking brake. Engine options, hydraulic operation of implements, “Star Trak” 2- or 3- wheel drive system, mechanical or hydraulic steering, remote air intake and ROPS with seat belts as detailed below:

45-001 SAND-STAR I

2-wheel drive, 16 hp (12 kW) OHV Vanguard gasoline engine, hydraulic operation of rear-mounted implements and mechanical steering standard. Center Hydraulic Control and Remote Air Cleaner standard on all machines. NOTE: ROPS with seat belts are optional.

45-002 SAND-STAR II

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

45-204 SAND-STAR IV

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

45-205 SAND-STAR Diesel

3-wheel drive Smithco SERIES PARALLEL Traction Assist DRIVE, Hydraulic Power Steering, 18 hp (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 AFFORDABLE ZERO-TURN SAND STAR ZEE.

*Does what the competition can't do...
at a very attractive price.*

- 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 infield scarifiers with multiple blade options with either manual or electric/hydraulic operation.
- 3-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



INFIELD GROOMER IMPLEMENTS

Smithco's powerful and reliable Sand Stars and Super Stars prime movers provide years of service and many seasons of "perfectly playable" infields BUT it's the grooming tools and implements – front, center and rear mounted – that produce the results grounds managers and players are looking for!

REAR-MOUNTED

The **rear-mounted** implements put that final finish on the field. They all interchange quickly and effortlessly by means of the exclusive Smithco "Qwitch" instant attach system. All rear-mounted implements raise and lower hydraulically or electrically from the operator position.

43-002 Flex Action Finisher with Finish Brush smooths and levels the infield whether they are wet or dry.

43-009 Smithco Cocoa Mat puts the final finishing touch on fields that are already well groomed.

43-010 Engine-Powered Blower makes quick work of leaves and debris.

26-008 Flex Finisher/Leveler with Drag Mat: A variation on the Flex Action Finisher uses a small steel drag mat for the final finish.

26-007 Infield Finisher: (71"/180 cm) wide and the multi-section Infield Rake: (72"/183 cm) wide are used to put level and fine finishes on dry fields.

43-170 Rahn Groomer: A popular ball field tool in many areas is available with the exclusive "Qwitch".



Qwitch



Flex Action Finisher with Finish Brush



Smithco Cocoa Mat



Engine-Powered Blower;
not available for Sand Star Zee



Flex Finisher/Leveler with Drag Mat



Infield Finisher



Infield Rake



Rahn Groomer;
not available for Sand Star Zee

We offer over 25 different implements to meet every need when it comes to sports field care.

REAR-MOUNTED CONTINUED

41-502 Earthway Rotary Spreader: (78"/198 cm) wide; kit includes draw chain and rear-mounted carrying rack (80 lb. capacity).

45-511 Serrated Rubber Rake with optional finish brush.

34-191 Box Scraper (not shown)



Earthway Rotary Spreader



Serrated Rubber Rake

MID-MOUNTED

These mount under the center of the machine and are designed to loosen just the top layer of the baseball/softball infield. Brings an increased level of safety to the players.

42-341 Spring Tine Scarifier: Chews into the field surface but provides increased operator safety by skimming over hidden items such as base spikes or pockets. It also protects your fine grass should the operator stray off of base paths.

42-178/42-179 Steel Knife Blade Scarifier (with or without chisel points) are the most aggressive scarifier tool. Proven on countless ball fields to provide the surface you need to protect your players.

43-011 Nail Bar Scarifier: The spikes are common nails available at any hardware store. Length adjusts as the spikes wear. Center mounting insures even pressure across its full width. Far superior to rear-mounted "nail drag" devices.

FRONT-MOUNTED

42-136/42-011, 43-013/43-490 and 43-003 (Hyd.) The easiest to use plow blades ever. Level your field areas and fill in those low spots around home plate, bases and elsewhere. "Back blading" is a breeze. We offer two widths 40" (102 cm) and 60" (152 cm) in both fixed position and adjustable angle blade models. 60" flat for surface work and 40" curved for aggressive digging.



Spring Tine Scarifier



Steel Knife Blade Scarifier



Nail Bar Scarifier



Front-Mounted Plow (60" width)



Front-Mounted Plow (40" width)

SWEEPERS, VACUUMS AND BLOWERS

SWEEP STAR V62

- Adjustable control console allows operator to control every function of the sweeper from the seat of the tow vehicle.
- Debris gets shredded by the steel impeller prior to entering the hopper for better compaction.
- 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.



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

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" (152 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.



NEW! V62-V TURF VAC **HIGHLY PRODUCTIVE. VERY AFFORDABLE.**

- 4-Yard Capacity Towed Vacuum.
- 23 hp Vanguard Twin, Electric Start.
- 62" Wide Swath, 4 Caster-Wheeled Head.
- Optional Hand Hose Door at Front of Impeller Housing.
- Large Fuel Tank, Direct Belt Drive to Impeller.
- Clean-out, Inspection Door, Rubber-Lined Housing.
- Electric/Hydraulic KYB to Open/Close Rear Door.
- Large Tires/Light Footprint, Optional Rear Filter Pack.
- Rear Door Opens Wide, Floor Steep to Empty Hopper.



SWEEP STAR 48

- Powerful 18 hp Briggs Vanguard twin-cylinder gasoline engine.
- 1.6 cubic yard (1.2 cu M) hydraulic high-lift dump debris hopper.
- 48" (122 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 belt, hillside angle gauge and fire extinguisher.
- High-back seat and tilt steering provide extra operator comfort.
- Hydraulic controls conveniently located to operate lift/lower of sweeper head and debris hopper.



SWEEP STAR 60

- 31 hp air-cooled Vanguard twin-cylinder gasoline or 19.9 hp (15 kW) 3-cylinder diesel power.
- 3 cubic yard (2.2 cu M) debris hopper capacity.
- 60" (152 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 belt, hillside angle gauge and fire extinguisher.
- High-back seat and tilt steering wheel provide operator comfort.
- Easy-to-reach hydraulic controls make operating all systems easy.



SWEEP STAR V72-PTO AND V72-E ENGINE DRIVE BIG-VAC

- 7 cubic yard (6 cu M) debris hopper capacity.
- 72" (183 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.

DEDICATED SPRAY VEHICLES



SPRAY STAR 1000

- 110-gal. (416 l) Smithco "Perfect Solution" elliptical polyethylene tank.
- Simple and reliable hydrostatic drive provides infinitely variable speed.
- 23 hp (17 kW) twin-cylinder gasoline engine.
- Hydraulic power steering and short wheel base offer extreme maneuverability.
- Positive ground speed control system assures even spray application.

- Extremely high-volume solid stainless steel centrifugal pump running at constant speed, provides the highest application rates plus consistently high agitation volume through the Smithco Quad Jet agitation system. Pump equipped with low-volume warning horn and automatic air bleed.
- Perfect application rates through a choice of 3 spray control systems (Raven SCS440 computerized spray control; standard electrical boom and pressure control; simple manual boom and pressure control).
- Safety for the operator, the environment and the players. Certified ROPS w/seat belt and (optional) Smithco Safe-Fill System.



SPRAY STAR 1750

Now with 175-gal. (662 l) capacity tank

- Lightweight (10 psi) on turf.
- Highly maneuverable.
- Hydrostatic drive for infinitely variable ground speed.
- 31 hp (23 kW) twin-cylinder, air-cooled gasoline engine.
- 175-gal. (662 l) elliptical polyethylene tank.
- Extremely high-volume solid stainless steel centrifugal pump running at constant speed, provides the highest application

rates plus consistently high agitation volume through the Smithco Quad-Jet Agitation System.

- Most economically dedicated spray vehicle built anywhere.
- Hydraulic power steering offers extreme maneuverability around the tightest greens, tees, bunkers and other areas requiring spray application.
- Positive ground speed-control system assures even spray application.
- Leak proof o-ring and clamp-style plumbing system construction with low-maintenance self-cleaning filter.

SPRAY STAR 2000

The ONLY hydrostatic-drive midsize spray vehicle made.

- 200-gal. (662 l) Smithco fiberglass tank.
- Simple and reliable hydrostatic drive provides infinitely variable speed.
- Choice of engine power: 31 hp (23 kW) twin-cylinder gasoline, or 25 hp (19 kW) 3-cylinder liquid-cooled diesel engine.
- Hydraulic power steering and short wheel base offers extreme maneuverability.
- Positive ground speed control system assures even spray application.
- Extremely high-volume solid stainless steel centrifugal pump running at constant speed, provides the highest application rates plus consistently high agitation volume through the Smithco Quad Jet agitation system. Pump equipped with low-volume warning horn and automatic air bleed.
- Safety for the operator, the environment and the players. Certified ROPS w/seat belts and (optional) Smithco Safe-Fill System.



SPRAY STAR 3180

Power and extreme maneuverability in one package!

- 318-gal. (1,203 l) Smithco fiberglass tank.
- Simple and reliable hydrostatic drive provides infinitely variable speed.
- 35.5 hp (26 kW) 4-cylinder liquid-cooled diesel engine.
- Hydraulic power steering and short wheel base offer extreme maneuverability.
- Positive ground speed control system assures even spray application.
- Extremely high-volume solid stainless steel centrifugal pump running at constant speed, provides the highest application rates plus consistently high agitation volume through the Smithco Quad Jet agitation system. Pump equipped with low-volume warning horn and automatic air bleed.
- Safety for the operator, the environment and the players. Certified ROPS w/seat belts and (optional) Smithco Safe-Fill System.



pictured with optional wide sideline boom and rear chemical application boom

SUPER LINER

The new Smithco Super Liner offers you precision lining, ease of operation and superior agitation for less. Compare the Super Liner to other liners in its class!

- 16 hp (12 kW) Briggs Vanguard twin-cylinder gasoline engine, electric start.
- Hydrostatic-drive prime mover using independent wheel motors to both rear traction tires. Forward and reverse speed controlled by hand lever to eliminate speed variances of foot-controlled drive systems on uneven, bumpy terrain.
- 50-gallon poly tank paint reservoir provides multi-field lining capacity without having to refill.
- Hypro piston diaphragm 6 gpm (22.7 lpm) spray pump provides adjustable pressure to 290 psi (20 bar) and agitation to the spray tank to keep paint/water mixture in suspension.
- Front- and side-mounted spray boxes are standard to accommodate both straight and circular paint lining.
- Oversize turf tires on both front steering wheels and rear traction wheels to smooth uneven terrain and provide suspension for the operator.
- Easy to use – easy to own!

TURF ROLLERS



SMITHCO ULTRA 10 AND ULTRA 15 TURF ROLLERS WITH MONEY-SAVING TOW-BEHIND DESIGN

The 5 gang Ultra 15 Turf 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 1⁷/₈". The Ultra 15 has a 150-gallon water ballast tank while the Ultra 10 uses a 100-gallon tank.



Ultra 15 Turf Roller

TURF ROLLERS

12-500 ULTRA 10-SC

10' (3 m) wide, self-contained turf 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 ULTRA-10-TV

10' (3 m) wide turf 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 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.



Jay Popko and Geunhwa Jung, Stockbridge School of Agriculture

THIRD YEAR OF TESTING INDICATES UP TO 65% REDUCTION OF DOLLAR SPOT.

–University of Massachusetts,
Stockbridge School of Agriculture

TEST SUMMARY FOR 2017

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

Rolling treatments were applied between 7 and 8am.

SUMMARY

- 40-65% reduction in dollar spot
- 8 out of 9 Rolling Studies reduced dollar spot.
- Increased rolling frequency increased dollar spot control
- Threshold based programs can reduce dollar spot apps with rolling (2-3 apps vs 5 apps)
- Rolling = better spring green-up/turf quality
- Does not provide complete control, but can extend fungicide control intervals at golf courses with difficult to control dollar spot

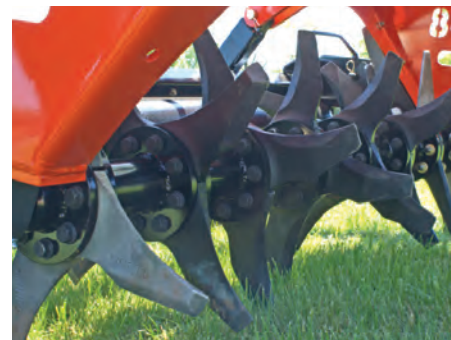
AERATION SYSTEM



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.





Call your SMITHCO dealer
or visit our website at

Smithco.com