

SALFORD



VALMAR AIRFLO

9620 PULL-TYPE
8600/8700 PULL-TYPE
5500 PULL-TYPE
245 & 246 PULL-TYPE
1255 PULL-TYPE

FERTI-GO 4S
56 SERIES APPLICATORS & COVER CROP SEEDERS
ST-4, ST-6, ST-10 & ST-12 ROW CROP APPLICATORS
PATHFINDER
456 FORAGE PRESERVATIVE APPLICATOR



Innovators in Agricultural Application Technology

Valmar™, a Division of Salford Group Inc. designs and manufactures granular applicators for fertilizer, herbicide, insecticide, seed, seed inoculant and forage preservatives. Our products are used by farm producers, commercial operators and agriculture research specialists.

The company was founded in 1977 by Charles Balmer, who was the principal designer and innovator of Valmar Airflo™ technology. Both the company and the product line evolved from a custom application business he operated in the mid-1970's. The current facilities include a 30,000 square foot manufacturing plant and a 12,000 square foot research and development building on 12 acres. Valmar Airflo Inc. became part of Salford Group in 2015.

In addition to the regular product line, Valmar has engineered and licensed Airflo applicators that have been manufactured and sold under license by companies such as AGCO®, Ag Chem®, LOR*AL® and Willmar®.

NOTE ON ISOBUS COMPATIBILITY

ISOBUS compliance does not guarantee compatibility with all functionality on 3rd party ISOBUS displays; Non-ISOBUS displays are not compatible with this controller. Always consult with the display manufacturer before purchase. Prescription mapping and/or auto section control may require software unlock. Ensure latest display firmware version is installed.

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ABOUT SALFORD

SALFORD

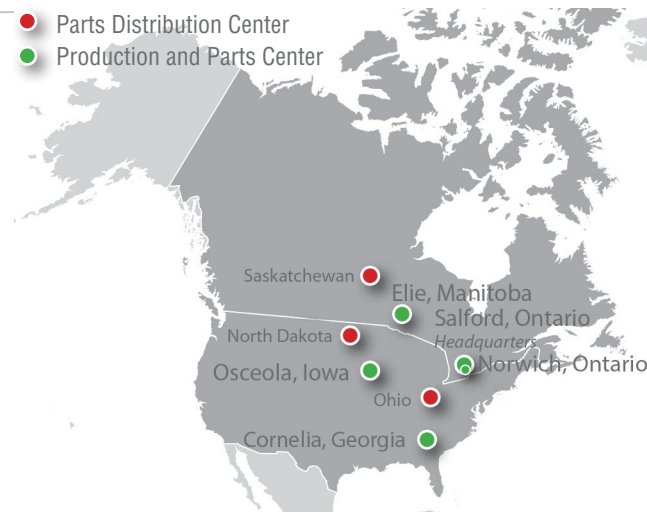
Built for Soil Productivity: *Get the Most from Your Soil with Salford*

Salford Group began production of conventional tillage equipment 1978. Over the years, Salford grew with innovative tillage designs, and in 2005, Salford began engineering and manufacturing seeding and application equipment as well.

In 2014, Salford purchased BBI Spreaders (founded in 1991), manufacturers of BBI Spinner Spreaders. In May 2015, Salford acquired Valmar Airflo (established in 1977), manufacturers of Valmar air boom and Valmar granular application tools. In December 2015, Salford purchased AerWay Advanced Aeration (established in 1983), manufacturers of AerWay aeration tillage and turf tools.

Salford, like BBI, Valmar and AerWay, focuses on engineering easy to use equipment that incorporate innovations that are unique in the market place.

Salford has production facilities in Iowa and Georgia in the United States, as well as in Ontario and Manitoba in Canada. Combined with a number of parts distribution centers across North America, Salford's parts distribution and product support stretches across America's heartland, America's Southeast, in the Great Lakes region and into the Canadian West.



Salford Group: *Innovative Products that are Engineered to Improve Soil's Productivity*



AerWay Tillage & Pasture Management

Salford's AerWay tillage and pasture management machines are designed to alleviate compaction while improving moisture and nutrient storage.



BBI Spreaders

Salford's BBI Spreaders are engineered for the widest true driving intervals, saving time in the field. A wide range of models fit every operation.



Valmar Airflo Applicators

Salford's highly accurate Valmar Airflo applicators offer implement mounted granular product distribution or air boom applicators.



Salford Independent Series

Salford's Independent Series tillage machines improve seedbeds and manage residue. I-Series tools can be fitted for application as well.



Salford Conventional Tillage

Salford Group offers a line of conventional tillage tools engineered for maximum durability, clearance and ease of use.



Valmar Granular Applicators

Salford granular applicators are engineered for simple, highly accurate seeding and fertilizer application. Poly tanks and stainless steel components ensure longevity.



Salford HALO

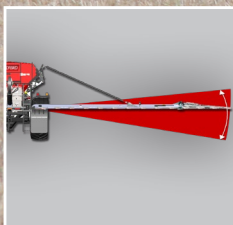
HALO is Salford's next generation tillage machine with new tillage options, narrow transport, and single point adjustments for faster, easier field setting.

VALMAR 9620 AIR BOOM APPLICATOR



72 FOOT SWATH

- The 72 foot air boom hydraulically folds and locks. Eight 3 inch diameter stainless steel tubes deliver product for up to 110 acres/hour



BOOM SUSPENSION

- The 72 foot air boom has a hydraulic suspension for stability at high speeds. The booms contour up to 8 feet from ground level to follow uneven terrain



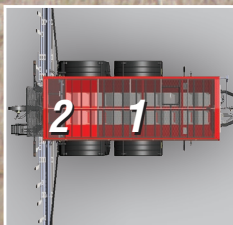
BREAKAWAY TIPS

- The boom has 7 foot, hydraulically folding, breakaway tips to prevent costly damage when spreading near fence rows



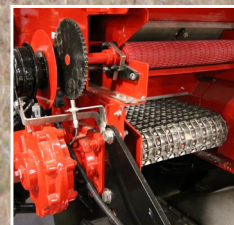
SECTION CONTROL

- Primary metering conveyors and the optional secondary metering have left / right sections that can be switched on and off with the 9620's ISOBUS* control system



660 CUBIC FOOT CAPACITY

- The 660 cubic foot capacity of the 9620 is the largest on the market, as the only boom spreader that will fit an entire tender. A secondary micro-hopper is standard



MICRO-HOPPER OPTION

- Equip the secondary 60 cubic foot secondary hopper with optional metering for independent variable rate application and left/right section control



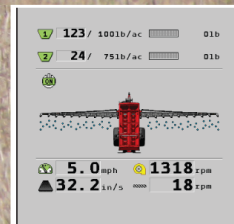
WEIGH SCALES

- Weigh scales are standard on the 9620 helping to stay ahead of fill stops and ensuring the machine is properly calibrated



WALKING TANDEM

- 20 ton walking tandem with 800/65R32 tires provide stable operation at high speed and minimize compaction



ISOBUS COMPATIBLE

- The 9620 comes equipped with ISOBUS compatible hydraulic metering. The ECU is capable of variable rate and section control output. Monitor not included



Ideal for: High capacity, granular product application available at a fraction of the cost of a floater truck.

9620 Air Boom Applicator

Salford's Valmar 9620 is the largest pull type air boom applicator on the market today.

The 9620's 660 cubic foot capacity is designed to reduce fill stops and the heavy duty 20 ton walking beam suspension carries the load with confidence at high speed. Capable of applying up to 110 acres per hour, the 72 foot boom helps cover acres quickly as the hydraulic suspension ensures boom stability. The booms can be hydraulically raised and lowered up to 8 feet at the tip, allowing the 9620 to contour the ground for the most accurate application. Prior to leaving the factory, all air booms are factory calibrated and certified to be within +/- 5% of the target application rate on each side of the machine.

The 9620's speed, precision, capacity, and value make it an economical replacement for self-propelled air boom units.

Unique Features

- 72 foot boom constructed from 304 stainless steel
- Hydraulic boom suspension with 7 foot breakaway boom tips and ability to contour up to 8 feet from ground level to follow uneven terrain
- 660 cubic foot hopper with multiproduct metering options, and an optional secondary hopper
- Keep products like coated urea and sulphur in separate compartments to increase their effectiveness
- ISOBUS compatible variable rate and left/right section control*
- Maximum flotation and high-speed travel with 20 ton walking beam suspension and 800/65R32 tires

Valmar 9620 Specifications

Hopper:

- 660 cubic foot total capacity - 600 cubic feet main, 60 cubic feet secondary with partition gate closed
- Painted, 409 stainless steel
- Electric roll tarp installed
- Rear ladder and platform
- Fill screens with access doors to hopper(s)
- Work lights

Metering:

- PWM (flow control) & motor bypass valves
- 304 stainless steel funnels & air manifold
- Calibration chutes
- (Main) Left hand/right hand independent 16 inch 304 stainless steel mesh conveyors, dual hydraulically driven motors (one per conveyor) 2-section control
- (Secondary) Dual meter rollers with electric clutch for left hand/right hand on/off - single hydraulically driven motor

Booms:

- 72 foot spread / 304 stainless steel / hydraulic fold
- Hydraulic boom suspension w/accumulator
- 7 foot breakaway tips – hydraulic fold
- Hydraulic boom tip manual height control

Chassis:

- 20 ton walking beam undercarriage
- 4 x 800/65R32 floatation tires with fenders

Fan:

- 17 inch S3 hydraulic direct drive fan
- 9 inch outlet direct to air manifold

Precision Control Packages:

- Digi-Star Scale Link ISOBUS scale kit (for ISOBUS displays)
- ISOBUS controls for left hand/right hand on/off section control for use with third party ISOBUS cab consoles, utilizing prescription mapping (i.e. John Deere 2630™, Case IH Pro 700™, Raven Viper 4+, etc.)
- *Does not include cab display

Hydraulic Requirements:

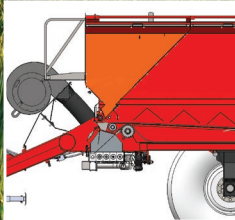
- Tractor supplied
- 30 gpm @ 2800 psi min
- Case drain for fan
- 5 hydraulic remotes

VALMAR 8700 AIR BOOM APPLICATOR



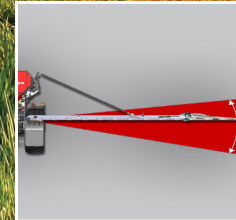
72 & 60 FOOT SWATH

- The full air boom hydraulically folds and locks, including boom tip. The newly offered 72' boom width offers added swath to cover more acres, while the 60' row crop boom allows post-emerge, inter-row application



60 CUBIC FOOT MICRO HOPPER

- Optional 60 cubic foot secondary hopper and metering for independent variable rate application and left / right section control



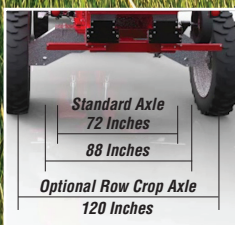
BOOM SUSPENSION

- The 8700's boom is protected by an updated suspension for stability at high speeds and hydraulically controlled pitch adjustment for uneven grounds



GROUND OR HYDRAULIC

- The 8708 can be ordered either ground or hydraulically driven, while the 8711 is available strictly hydraulically driven



AXLE SPACING & TIRE OPTS

- The 8700's standard axle is adjustable from 72 inch to 88 inch with a 120 inch axle option also available. Floatation or row crop tires are also available



SECTION CONTROL

- Primary metering conveyors and the optional secondary metering have left / right sections that can be switched on and off with ISOBUS control system



Ideal for: High-capacity, high-rate, granular product application with 72 foot boom for maximum application wide or 60 foot row crop boom for broadcast and in season granular application.

8700 Air Boom Applicator

Salford's Valmar 8700 is a high-acreage, high speed, air boom applicator with either 72 feet of swath, or 60 feet of row crop application, capable of delivering up to 1000 lbs/acre at 8pmh.

The highly accurate Venturi metering system is simple to calibrate and easy to operate allowing anyone to take to the field with the 8700.

An optional secondary hopper compartment and secondary metering allows for the application of lower rate herbicides and micronutrients alongside your granular fertilizer.

The 8700 is capable of variable rate application and left / right section control. Optional ISOBUS compatible ECU options allow the 8700 to follow prescription maps from many leading terminals.

Hydraulic Requirements

•Ground Drive (8708 option only):

- Minimum pressure required: 2800-2900 psi - 21 gpm
- 6 remotes required for PTO fan (7 required for hydraulic fan)
 - 1 set for boom folding and unfolding
 - 1 set for shut off of RH fertilizer metering
 - 1 set for shut off of LH fertilizer metering
 - 1 set for wheel drive engagement
 - 1 set for LH boom suspension
 - 1 set for RH boom suspension
 - (1 set for hydraulic fan)

•Hydraulic Drive:

- Minimum pressure required: 2800-2900 psi - 30 gpm
- 4 remotes required for PTO fan (5 required for hydraulic fan)
 - 1 set for boom folding and unfolding
 - 1 set for metering (chain drive hydraulics)
 - 1 set for LH boom suspension
 - 1 set for RH boom suspension
 - (1 set for hydraulic fan)

Valmar 8700 Specifications

Hopper

- 8708 - 8 ton / 260 cubic foot
- 8711 - 11 ton / 357 cubic foot
- Secondary hopper split and 60 cubic foot secondary metering drive is optional
- 409 stainless steel painted
- Hopper screen/filter
- Roll tarp installed

Booms

- 72 foot spread width or 60 foot row crop boom with 30 inch on center outlets.
- Fully hydraulic folding, including boom tips
- Updated suspension with stability at high speeds, and hydraulically controlled pitch adjustment for uneven grounds
- 304 stainless steel construction
- Breakaway tips
- 3 inch diameter tubes (6 per side)
- 25 outlets
- Optional drop tube kit for 60 foot boom, which includes fenders

Fan

- 17 inch impeller operates at 4700 RPM
- Requires 21 GPM operating at 2800 PSI
- PTO fan drive
 - 1000 RPM CV, 1 $\frac{3}{8}$ or 1 $\frac{3}{4}$ inch 21 spline driveline
- Optional hydraulic fan drive
 - 16 CC motor, direct drive

Chassis

- 72-88 inch adjustable axle
 - Optional 120 inch axle (standard with 60 foot boom)
- Optional Digi-Star scale kit

Tires

- Single axle with 10 bolt hub
- 8708 - 14.9 inch 380/85 R38
- 8708 - 28L-26 R3, 750/65 R1
- 8711 - 800/65 R32 tire
- 8711 - 380/90 R46

Primary Metering

- (2) 14 inch, 304 stainless steel conveyor chains
- Maximum rates 1000 lbs/acre at 8 mph

•GROUND DRIVE METERING AVAILABLE ON 8708

•HYDRAULIC DRIVE METERING

- ISOBUS Section Control Kit*
Two motor independent drive left hand/right hand hydraulic main metering.

For use with 3rd party ISOBUS cab consoles utilizing prescription mapping (i.e. John Deere 2630™, Case IH Pro 700™, etc.)

Second Metering System

- (2) 14 inch, 28 groove metering rollers
- HYDRAULIC DRIVE
 - Single motor drive hydraulic metering kit with electric clutches for left hand/right hand on/off.

Dimensions

- Total weight 7200 lbs
- Transport: Hitch 1040 lbs, Axle 5960 lbs
- Field: Hitch 1360 lbs, Axle 5640 lbs
- Transport width: 9 feet 10 inches
- Transport height: 13.5 feet

VALMAR 8600 AIR BOOM APPLICATOR



66 FOOT SWATH

- The main air boom hydraulically folds and locks. Six 3 inch diameter stainless steel tubes deliver up to 1000 lbs/acre at 8 mph



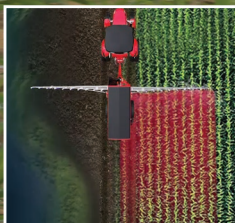
BOOM SUSPENSION

- The 8600's boom is protected by a rubber torsion suspension and also locks in place when folded



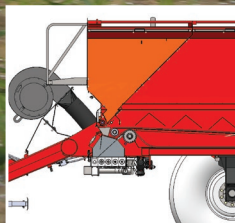
FACTORY CERTIFIED

- All air booms are factory calibrated and certified to be within +/- 5% of the target application at each outlet.



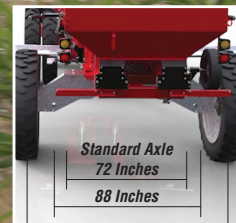
SECTION CONTROL

- Primary metering conveyors and the optional secondary metering have left / right sections that can be switched on and off manually or with ISOBUS control system



60 CUBIC FOOT MICRO HOPPER

- Optional 60 cubic foot secondary hopper and metering for independent variable rate application and left / right section control



AXLE SPACING & TIRE OPTIONS

- The 8600's standard axle is adjustable from 72 inch to 88 inch. Floatation or row crop tires are available



HYDRAULIC OR PTO FAN

- The 8600 has the option for a hydraulically driven or a PTO driven fan



GROUND DRIVEN METERING

- Oil bath metering drive gear box with 30 settings and 2 speed gear ratio for 60 settings at 7% increments



HYDRAULICALLY DRIVEN METERING

- The 8600 can be equipped with ISOBUS compatible* hydraulic metering. The ECU is capable of variable rate and section control output. Cab display not included



Ideal for: High-capacity, high-rate, granular product application with optional microhopper for micro-nutrients or herbicide.

8600 Air Boom Applicator

Salford's Valmar 8600 is a high-capacity, high speed, air boom applicator capable of delivering up to 1000 lbs/acre at 8 mph.

The highly accurate Venturi metering system is simple to calibrate and easy to operate allowing anyone to take to the field with the 8600.

An optional secondary hopper compartment and secondary metering allows for the application of lower rate herbicides and micronutrients alongside your granular fertilizer.

The 8600 has left / right section control that can be operated manually or automatically with prescription maps when equipped with hydraulic variable rate metering and ISOBUS controller.

Hydraulic Requirements

•Ground Drive

- Minimum pressure required 2800-2900 psi - 21 gpm
- 4 remotes required for PTO fan (5 required for hydraulic fan)
 - 1 set for boom folding and unfolding
 - 1 set shut off of RH fertilizer metering
 - 1 set shut off of LH fertilizer metering
 - 1 set for wheel drive engagement
 - (1 set for hydraulic fan)

•Hydraulic Drive

- Minimum pressure required 2800-2900 psi - 30 gpm
- 2 remotes required for PTO fan (3 remotes required for hydraulic fan)
 - 1 set for boom folding and unfolding
 - 1 set for metering (chain drive hydraulics)
 - (1 set for hydraulic fan)

Valmar 8600 Specifications

Hopper

- 8608 - 8 ton / 260 cubic foot
- 8611 - 11 ton / 357 cubic foot
- Secondary 60 cubic foot hopper partition and secondary metering drive optional
- 409 stainless steel painted
- Hopper screen/filter
- Roll tarp installed

Booms

- 66 foot spread width
- Rubber torsion boom suspension and shock absorber
- 304 stainless steel construction
- Breakaway tips

Fan

- 17 inch impeller
- PTO fan drive
 - 1000 RPM CV, 1 $\frac{1}{8}$ or 1 $\frac{3}{4}$ in. 21 spline driveline
- Optional hydraulic fan drive
 - Requires 21 GPM operating at 2800 PSI
 - 3/4 inch hydraulic lines
 - 1/2 inch couplers and 3/4 inch high flow couplers included
 - Case drain required

Chassis

- 72-88 inch adjustable axle
- Single axle with 10 bolt hub
- 8608 - 14.9 inch 380/85 R38
- 8608 - 28L-26 R3, 750/65 R1
- 8611 - 800/65 R32 tire
- 8611 - 380/90 R46
- Optional Digi-Star scale kit

Primary Metering

- Twin 12 inch, 304 stainless steel mesh conveyor chains
- Maximum rates 1000 lbs/acre at 8 mph
- GROUND DRIVE (Standard)
- Hydraulically engaged metering and mechanical clutch for half shut-off on right hand or left hand
- Oil bath metering drive gear box with 30 settings and 2 speed gear ratio for 60 settings at 5% increments
- HYDRAULIC DRIVE METERING (Optional)
- ISOBUS Section Control Kit*
Two motor independent drive left hand/right hand hydraulic main metering.
For use with 3rd party ISOBUS cab consoles utilizing prescription mapping (i.e. John Deere 2630™, Case IH Pro 700™, etc.)

Second Metering System

- Twin 12 inch, 28 groove metering rollers
- GROUND DRIVE
 - 60 speed metering gearbox with 5% between settings
 - In-cab electric clutch control with 1/2 shut off on either side
- HYDRAULIC DRIVE
 - Single motor drive hydraulic metering kit with electric clutches for left hand/right hand on/off

Dimensions

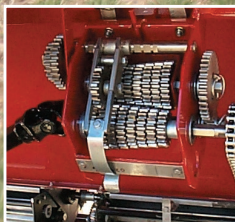
- Total weight 7200 lbs
- Transport: Hitch 1040 lbs, Axle 5960 lbs
- Field: Hitch 1360 lbs, Axle 5640 lbs
- Transport width: 9 feet 10 inches
- Transport height: 12 feet

VALMAR 5500 AIR BOOM APPLICATOR



SELF-LEVELING BOOM

- The Valmar 5500 features a self-leveling boom to follow ground contours for the most accurate application



GROUND DRIVEN METERING

- The ground driven metering option comes with a 60 speed gear box that is adjustable in 5% increments



HYDRAULIC OR PTO FAN

- The 5500 has the option of a hydraulically driven or PTO driven fan



Ideal for: Medium-capacity, ground driven applicator for fertilizer, herbicide, seed or micronutrients.

5500 Applicators

Salford's Valmar 5500 granular, air boom applicators are durable and simple to operate. The stainless steel hopper and components ensure years of low maintenance operation.

The metering system, is easy to calibrate and has a wide range of adjustment to meet herbicide or fertilizer application goals.

The self-leveling booms provide consistent product distribution in varying terrain for the most accurate application.

The 5500 has left/right metering sections for manual left/right section control to minimize application into sensitive areas and reduce product waste through over application.

Unique Features

- 40 foot application width for high rate product output
- 409 stainless steel, painted, hopper and 304 stainless steel metering and air boom components for years of low maintenance operation
- Simple calibration and metering adjustment for ease of use in the field
- Ground driven machines have 60 speed gear box with adjustments in 5% increments to match a wide range of fertilizer or herbicide application rate
- Self-leveling boom for accurate application in rolling terrain
- Manual left/right section control

Valmar 5500 Pull-Type Specifications

Hopper

- 167 cubic feet
- 409 stainless steel, painted
- Hopper bottom shut-off slide panels
- Roll tarp installed

Booms

- 40 application width - 304 stainless steel construction
- Self-leveling boom with break away boom tips
- 2.5 inch diameter tubes with 6 deflectors per side
- Manual fold

Metering System

- 304 stainless metering bottoms with pegged rollers with brushes
- Manual half width shut-off on either side
- Rates up to 500 lbs/acre at 5 MPH down to 5 lbs/acre with optional small seed and herbicide kit
- GROUND DRIVE
 - Hydraulically engaged
 - 60 speed gearbox with 5% between settings

Fan

- 20 inch impeller with dual outlets
- PTO fan drive
 - 1000 RPM CV driveline, 1 $\frac{3}{8}$ inch – 21T spline
- Optional hydraulic fan drive
 - Requires 23 GPM operating at 1885 PSI
 - $\frac{3}{4}$ inch hydraulic lines
 - Case drain required

Chassis

- Tandem walking beam
 - Adjustable axle width with available tires:
 - 16.5L x 16.1 (81-99 in. on center of tire)
 - or 9.00 x 20 (72-90 in. on center of tire)
- Single axle 550/60-22.5 tires/12 ply at 90 in. center to center

Options

- Herbicide kit includes 1 set of 28 groove metering rollers and fan intake reducer for metering finer products and lower rates

245 & 246 PULL-TYPE GRANULAR APPLICATORS



FAN DRIVE OPTIONS

- The 245 and 246 models are available with either hydraulic or gas powered fan drive and are operated from a tractor or pickup truck



SELF-LEVELING BOOM

- The Valmar 245 & 246 feature self-leveling booms to follow ground contours for the most accurate application



SECTION CONTROL

- Valmar 245 has manually controlled left/right section control
- Valmar 246 has manually controlled 4 section control



GROUND DRIVEN METERING

- The ground driven metering option comes with a 60 speed gear box that is adjustable in 5% increments



Ideal for: Distribution of granular product such as herbicide, cover crop or low rate fertilizer and micro nutrients. Drive options allow for towing behind tractors or pickup trucks.

245 & 246 Applicators

Salford's Valmar 245 and 246 applicators have over a decade of service on farms and in rental fleet operations. The Valmar Venturi metering system is renowned for simple calibration and accurate application, primarily in low rate, granular herbicide application. The meters are accurate and gentle enough to be used for seed and gas driven models can be rented for towing behind pickup trucks.

The 245 model has left/right section control and the 246 model has 4 section control that can be controlled manually.

Unique Features

- Top speed 20 mph
- 245 - 50 foot application width
- 246 - 60 foot application width
- Optional gas drive allows for use with pickup trucks
- Highly accurate Valmar Venturi metering
- Simple to calibrate and clean out for use with multiple products
- Self-leveling booms
- 60 speed ground drive with adjustment in 5% increments
- 246 - poly tank holds 60 cubic feet
- 245 - painted stainless steel holds 40 cubic feet

245 & 246 Pull-Type Specifications

Hopper

- 245: 40 cubic feet
Mild steel with 2 component primer and 2 component urethane top coat paint
- 246: 60 cubic feet
Polyurethane tank
- Weather tight lid
- Product level sight gauge
- Hopper bottom shut-off gates

Booms

- 245: 50 foot spread, breakaway tips
- 246: 60 foot spread, breakaway tips
- Self-leveling
- Manual fold

Metering

- Ground driven
- 245: Half shut-off on either side
- 246: 4 section shut-off
- 245: 28 groove plastic fluted metering roller – 12 groove available for more coarse material or higher rates
- 246: Stainless steel metering
- In-cab electric clutch control and air manifold monitor
- 60 speed gearbox with 5% between settings
- Air manifold and Venturi system drop for easy cleaning

Fan

- Hydraulic drive: 11.5 GPM – hydraulic lines to hitch included
- 245/246: 9 HP gas engine fan drive
- 18 inch impeller

Chassis

- 245: 6000 lb rubber torsion axle
- 245: 12.5 L – 15 inch tires
- 246: 7000 lb rubber torsion axle
- 246: 14L - 16.1 implement tires
- 6 bolt hubs

Options

- 12 groove roller assemblies for coarse material
- Agitator kit
- 245: Stainless steel metering
- 246: Stainless steel metering is standard

Dimensions/Shipping Information

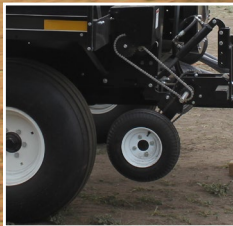
- Height: 6 feet 8 inches
- Width: 7 feet 8 inches
- Length: 18 feet
- 245: Weight: 2250 pounds
- 246: Weight: 3100 pounds

4056 & 6056 GRANULAR APPLICATORS



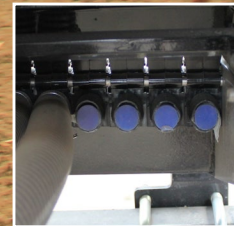
SECTION CONTROL

- Valmar 56 series have left / right metering segments for section control that are ISOBUS compatible



HYD OR GROUND DRIVE

- 56 series applicators can be set up for ground driven metering or hydraulically driven metering



MATCH YOUR WIDTH

- 56 series applicators range from 16 to 32 individual metering runs and blockers can be installed to match your desired application width



GRANULAR HERBICIDE

- 56 series applicators are extremely accurate and handle a wide range of material sizes. They are recommended for granular herbicide application



SEED & COVER CROPS

- 56 series applicators are gentle and accurate enough to be used for seeding cover crops or low rate crops like canola



NUTRIENTS & FERTILIZER

- Supplement application with micro nutrients using the standard stainless metering with high density polyurethane tank for fertilizer



Ideal for: Distribution of granular product such as herbicide, cover crop or low rate fertilizer and micro nutrients with 3 point and pull-type mounts available for ease of use.

56 Series Granular Applicators

Salford's Valmar granular applicators can be paired with virtually any implement between 16 feet and 80 feet. New mounting options for the Valmar 56 Series applicators include a pull-type cart and 3 point hitch mount. These new options make the applicators even easier to fill and calibrate while keeping the applicator lower to the ground for safer operation.

The highly accurate Valmar metering system is proven as a gentle delivery method for seed, fertilizer or herbicide. The 56 Series models can be equipped with hydraulic drive or ground drive systems.

Valmar implement mount applicators are ideally suited for granular herbicide application to battle herbicide resistant weeds.

Unique Features

- 56 series have poly tanks and stainless steel metering to boost fertilizer application capacity for planters and other implements
- Pair 56 series with virtually any implement - unit mount*, pull-type or 3 point mount options
*Salford does not supply direct mounts for implements. Check with your dealer regarding direct mounts.
- Capacity and metering outlet options to fit implements from 16 to 80 feet wide
- ISOBUS compatible* hydraulic drive available
- Ground driven meter has a 60 speed gearbox capable of changing rates in 5% increments

56 Series Granular Fertilizer Applicator

Model	Capacity	Outlets	Application Width*	Hydraulic Fan Drive
4056	40 cu. ft. (1800lb)	16	up to 40 ft.	8 gpm
6056	60 cu. ft. (2700lb)	24 or 32	up to 90 ft.	8 gpm

*Application width may vary by rate, speed and/or material type.

Hopper

- Weathertight lid
- Hopper bottom shut-off slide gates

Metering

- Air manifold and venturi system disengage for easy cleaning
- Manual half shut off on either side
- 28 groove plastic fluted metering rollers OR 12 groove available for more coarse material or higher rates
- 4056 and 6056 come standard with stainless steel metering

Hydraulic Drive Option

- Hydraulic metering, motor only
- Hydraulic metering, Rate Control Ready. Includes motor, flow control valve, meter encoder, fan speed and bin level sensors. Does not include ECU, harness or cab display.
- Hydraulic metering, with granular rate control. Includes motor, ISOBUS compatible ECU* and harness, flow control valve, meter encoder, fan speed and bin level sensors. Does not include display.

Ground Drive Option

- 60 speed gearbox with 5% between settings
- In-cab electric clutch control and air manifold monitor
- Optional hydraulic engage/disengage

Options

- 12 groove meter roller assemblies for coarse material
- Outlet blocker kits and line splitters to match a specific number of required runs in special mounting situations
- Agitator kits
- Delivery hose quick coupler kits
- 1.25 inch ID flexible PVC hose
- Broadcast deflectors mount individually to the implement frame
- Air diffusers for in-row application

1655, 4056 & 6056 GRANULAR APPLICATORS

Mounting Systems



Integration Simplicity - The 3 point hitch mount and the tow behind cart eliminate the need for implement specific mounting brackets and hardware making the 56 Series instantly compatible with virtually any implement. This turn-key solution greatly simplifies setup requirements.

More Ergonomic - The new platforms are designed to be more operator friendly and improve access to the hopper. With the new options available, operators are able to easily fill and calibrate the Valmar applicator without having to climb over the implement's frame.

Ground Driven or Hydraulic Drive - These 56 Series mounting options come complete with hydraulic and electrical hookups and are compatible with hydraulic drive or ground driven metering making these units very compatible options.

Choose Your Implement - The 3 point hitch mount uses an integrated drawbar rated for 350 hp. A heavier duty, 600 hp rated version is also available on request. The ease of hitching and unhitching different implements makes it possible to use the Valmar granular applicators with multiple implements on the same farm. All hydraulic and electrical hook-ups are transferred to the rear of the unit as well. Switch between applying starter fertilizer with your planter to seeding cover crops with your tillage tool in no time.

Ease of Operation - The applicator itself has a platform for easy access to the hopper and a ladder that folds away while in operation. The 3 point applicator box also has integrated stands for storage or easy hook up and dismount from the tractor linkage.



56 Series Mounting System Specifications

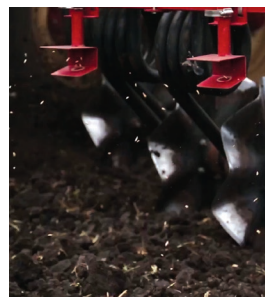
Hydraulic Remotes to Implement	Two sets of hoses standard (additional hydraulic lines available to purchase)
Metering Drive	Ground Driven or Hydraulic Metering Drive Hydraulic engage/disengage kit for ground drive

3 Point Hitch Mounting System Specifications

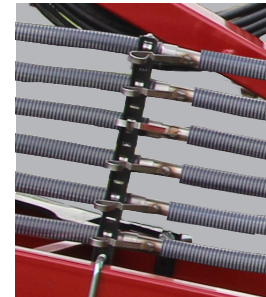
350 HP Rating	Front 3 Point Hitch: CAT 2/3 hitch (specify when ordering) Rear Implement Hitch: Single or double CAT 3 hitch
600 HP Rating	Front 3 Point Hitch: CAT 3/4 hitch (specify when ordering) Rear Implement Hitch: CAT 4 hitch

Pull-Type Mounting System Specifications

Pull-Type Tires	14L – 16.1 tires w/6-bolt rims
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Application Deflectors
56 Series applicators can be purchased with generic broadcast kits that can be fitted to your implement.



Air Hose Quick Connects
Quickly connect and disconnect the 3 point or pull type mounts from your implement with air hose quick connects. A standard bracket helps to keep lines organized.

COVER CROPS

SALFORD



Improve yields by enhancing soil health

Cover crops have the power to improve crop yields by enhancing overall soil health. The roots from cover crops improve soil tilth and the decomposing plant material increases soil organic matter. Specific cover crops like brassica produce a large, deep root that can generate pressure up to 240 pounds per square inch to break up compacted soil. Living cover crops interact with soil biology to create aggregates that build soil structure. This improves soil permeability, aeration, water infiltration and holding capacity, and ease of crop emergence and root growth.



Improved soil tilth and organic matter after successive years of cover crop rotation.

Cut fertilizer costs

Cover crops can fix unused, or atmospheric nutrients, and make them more available for the next commercial crop. Cover crops can also improve the effectiveness of fertilizer application by helping hold nutrients that might otherwise runoff or be lost with soil erosion. Nitrogen fixing cover crops can be a great benefit to commercial crops such as corn. These cover crops can even be inter-seeded between established corn rows to add atmospheric nitrogen to the soil in season.

Better weed control

Cover crops can improve the effect of herbicides by out competing weeds for light, moisture, nutrients and space. Cover crop mulch that is covering the ground, and decomposing while the commercial crop is getting established, can effectively smother weeds trying to grow between the seed rows, potentially leading to increased yields.

Prevent soil erosion and protect water quality

By providing ground cover in the off times of the growing season, cover crops provide a natural barrier to wind and water erosion. The standing cover crop shields the soil from the impact of raindrops while the crop's root systems anchor the soil to prevent wind and water erosion. This not only keeps soil in place in highly erodible ground, but also fixes the nutrients and organic matter contained in the soil.



Cover crop holding water and reducing erosion

Conserve soil moisture

Rotated cover crops, and even an inter-seeded cover crop, help the soil hold more moisture by preventing water runoff. This increases the soil's moisture storage capacity by improving soil structure, adding organic matter and reducing moisture evaporation by shading the soil surface from the sun's rays.

Possible feed source

Cover crops can provide a feed source for producers that have livestock or have a secondary market for forage. The cover crop can be grazed or harvested and still provide erosion control by maintaining the cover crops root mass.



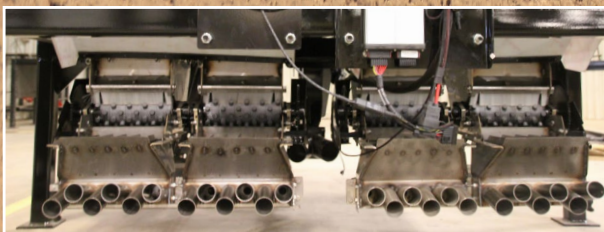
Cover crop inter-seeded between established corn rows before the corn was harvested.

FERTI-GO 4S



ON-BOARD FERTILIZER APPLICATOR

- Designed for mounting on select planters with ability to match 12, 16, 18, 20 and 24 row planters with airline splitters available for use with 36+ row planters



INDUSTRY LEADING METERING

- Featuring the same metering as on the ST Series and other Salford's Valmar products, known for its accuracy, ease-of-use, simple-cleaning, and range of application rate abilities



SIMPLE, EFFECTIVE SOLUTION

- With its simple metering and ease-of-maneuverability, due to being planter mounted as opposed to tow-behind, the FERTI-GO 4S offers producers a simple, effective solution



Ideal for: FERTI-GO 4S is engineered for increased dry fertilizer capacity on planters. Highly accurate Valmar metering technology allows for side banding or starter applications*.

FERTI-GO 4S

The FERTI-GO 4S offers accurate, high-capacity dry fertilizer application for mounting on select planters. It features a single product hopper, available for mount on many planter models, with variable rate metering and 4 section control. The hopper has a standard capacity of 4 tons, with the ability to reach a capacity of 6 tons with optional hopper extensions. The metering system of the FERTI-GO 4S is currently featured on the ST Series and other Salford's Valmar products, paired with the Venturi Air Manifold System, is known for its accuracy, ease-of-use, simple cleaning, and range of application rate abilities.

Unique Features

- Available for mount on many planter models
- Variable rate metering and 4 section control
- Electric roll tarp for simplified tendering
- Standard 4 ton capacity with ability to reach 6 tons with optional hopper extensions
- Rate control ready with metering, fan speed sensors, PWM flow control and bin-level sensing
- Optional ISOBUS compatibility to follow prescription maps
- Planter mount allows for ease-of-maneuverability for in field and road transport

FERTI-GO 4S Specifications

- Hopper mounting kits optional*
- Ladder and platform included

Hopper

- Standard: 4 ton
- Optional: 6 ton with optional extensions
- 409 stainless steel, painted
- Internal hopper screen
- Spring loaded hopper shut-off gates for fast metering and product changes
- Roll tarp cover
- Scales - optional equipment

Metering System

- ISOBUS compatible variable rate application
- 4 section control
- Ability to match 12, 16, 18*, 20, 24 row planters
- *Airline splitters available for use with 36+ row planters
- Single fan output - up to 200 lbs/acre @ 6 mph on 24 rows
- Dual fan output* - up to 400 lbs/acre @ 6 mph on 24 rows
- *Optional equipment

Options

- ISOBUS compatibility available
- Hopper extensions available for added capacity (bringing capacity from standard 4 tons to 6 tons)
- Weigh scales available

Hydraulic Requirements

- 12-20 outlets, 21 GPM @ 2800 PSI, 2 remotes
- 24+ outlets, 38 GPM @ 2800 PSI, 3 remotes

*Ferti-GO 4S is not compatible with all planters or tractor hydraulics. Owner may be responsible for additional fabrication to adapt the optional mounting brackets to some planters. ISOBUS features may not be compatible with all virtual terminals. Some features may require a terminal unlock. Consult your dealer or planter manufacturer to ensure your planter frame has the capacity to handle the weight of the loaded applicator. Be sure to study and/or consult an agronomist to ensure fertilizer rates and placement will not damage your crop

Consult your dealer or contact Salford Group.

ST-4 & ST-6 HIGH CAPACITY APPLICATION



ST-4



ST-6



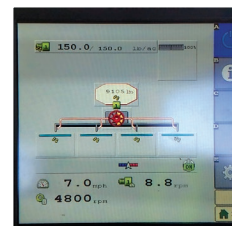
ST-4 GRANULAR APPLICATOR

- The ST-4 is a single tank applicator for mounting on other implements. The 120 cu ft (4 ton) hopper works well for lower rate products such as granular herbicide or cover crops.



ST-6 GRANULAR APPLICATOR

- The ST-6 is a single tank applicator designed for mounting on the Salford PathFinder or for direct mounting on other implements.



VARIABLE RATE & SECTION CONTROL

- ST applicators are equipped with hydraulically driven metering and can be used for variable rate application. ST applicators are capable of 2 or 4 section control.



NUTRIENTS & FERTILIZER

- Supplement application with micro nutrients using the standard stainless metering with high density polyurethane tank for fertilizer



SEED & COVER CROPS

- 56 series applicators are gentle and accurate enough to be used for seeding cover crops or low rate crops like canola



GRANULAR HERBICIDE

- Direct mount ST applicators on equipment such as heavy harrow bars to apply granular herbicide. The units highly accurate meters are recommended for this fine material.

ST-Series Metering



Hydraulic Drive with ISOBUS Compatibility:

ST-Series applicators use hydraulically driven systems. Factory optional ECU's allow for simple straight rate application or ISOBUS compatible variable rate application.



Simple Accurate Metering:

The ST-Series uses highly accurate, simple, roller metering to deliver product evenly into the separate Venturi air lines, delivering precisely how much product you need. Meters are designed to stay clean and are simple to change.



Simplified Meter Change & Cleaning:

ST models are designed so that meters are easily accessible and can be changed with minimal effort. The design of the tank allows product to travel to the metering system with no bridging, allowing the tank to fully empty.

A hopper slide gate and removable bottom makes meters simple to remove and emptying tanks quick and easy.

Section Control Ready:

ST-Series models are capable of ISOBUS compatible section control. The ST-4 and ST-6 can run one, two or four sections for the most accurate, cost effective application.

Roller Metering: ST-Series applicators use peg roller meters, which excel at metering fertilizer, seed or herbicide. Compared to auger metering these rollers offer greater accuracy, are less susceptible to plugging, are easier to change and do not grind product. Peg rollers are equipped with brushes for self-cleaning. Low-rate rollers available for cover crop and micronutrients.

Match Your Working Width:

ST-Series applicators can be fitted with 8, 12, 16, 18, 20 and 24 metering runs and the primary air delivery lines can be split downstream to deliver up to 48 rows of product.

Strip Till Granular Fertilizer Applicator Specifications

	ST-4	ST-6
Hopper Capacity	• 120 cu ft 4 Tons	• 185 cu ft 6 Tons
Tank Configuration	• Single compartment	• Single compartment
Tank Material	• High Density Polyethylene	
Metering Sections	• Up to four sections (Hydraulic motors per section)	
Tank Features	• Air Manifold gauge • Hopper Screen • Ladder and platform assembly	
Air Manifold	• 8, 12, 16, 18, 20 and 24 Outlet manifolds (choose at the time of ordering)	
Meter	• Plastic peg meters rollers with brush for self cleaning • Manual hopper bottom shut-off slide gates • PWM Valve • Meter encoder, Fan speed sensor, Bin level sensor • Low rate rollers available	
Implement Mounting	• Skid mounting available - contact dealer for details	
Fan	• Hydraulic fan drive • High output fan option for high rates, swaths, or ground speeds • Second fan standard on 24 row models	
Options	• Air line splitters • Low rate peg meter rollers • Deflector kit for broadcast application • Air diffusers for in-row application • PVC flexible air hose	
Hydraulic Requirements	• Single Fan (8-20 outlets) 21 gpm @ 2800 psi • Dual Fan (24 outlets or high output) 38 gpm @ 2800 psi • Case drain required • Hoses to tractor not included	
Optional Control Packages and Scales	• ISOBUS Controls* (includes ECU and harness) • Digi-Star Scale Kit (includes one cab display) or available as ISOBUS	

*For use with 3rd party ISOBUS cab consoles utilizing prescription mapping (i.e. John Deere 2630™, Case IH Pro 700™, etc.) * ISOBUS compliance does not guarantee compatibility with all functionality on 3rd party ISOBUS displays; Non-ISOBUS displays are not compatible with this controller. Always consult with the display manufacturer before purchase - Prescription mapping and/or auto section control may require software unlock. Ensure latest display firmware version is installed.

ST-10 & ST-12 HIGH CAPACITY APPLICATION



ST-10



ST-12



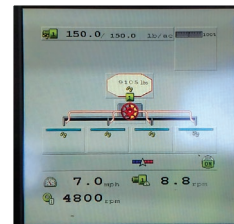
ST-10 GRANULAR APPLICATOR

- The ST-10 is a two tank applicator designed for mounting on the Salford PathFinder or for direct mounting on other implements.



ST-12 GRANULAR APPLICATOR

- The ST-12 is a two tank granular applicator designed for mounting on aftermarket carts or high capacity application implements.



VARIABLE RATE & SECTION CONTROL

- ST applicators are equipped with hydraulically driven metering and can be used for variable rate application. ST applicators are capable of 2 or 4 section control.



TWO PRODUCT BLENDS

- Two, independently metered tanks, are fed into one air stream. Each tank can be follow variable rate prescriptions. The result is a more accurate product blend.



NUTRIENTS & FERTILIZER

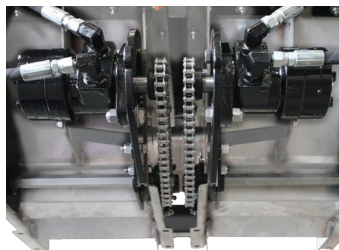
- Supplement application with micro nutrients using the standard stainless metering with high density polyurethane tank for fertilizer



SEED & COVER CROPS

- 56 series applicators are gentle and accurate enough to be used for seeding cover crops or low rate crops like canola

ST-Series Metering



Hydraulic Drive with ISOBUS Compatibility:

ST-Series applicators use hydraulically driven systems. Factory optional ECU's allow for simple straight rate application or ISOBUS compatible variable rate application.

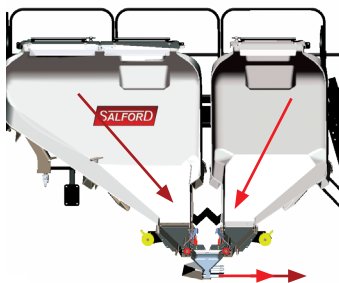


Simple Accurate Metering:

The ST-Series uses highly accurate, simple, roller metering to deliver product evenly into the separate Venturi air lines, delivering precisely how much product you need. Meters are designed to stay clean and are simple to change.

Meter Removal and Clean out:

A hopper slide gate and removable bottom makes meters simple to remove and emptying tanks quick and easy.



More Accurate Fertilizer Blends:

The ST-10 and ST-12 both have 2 separate tanks. ST-10 models can carry two separate commodities with their 60/40 split tanks, while ST-12 models can carry two separate commodities with their 50/50 split tanks. Blending is done right at the meter, rather than in the air line. This ensures the most accurate blend possible.

Section Control Ready:

ST-Series models are capable of ISOBUS compatible section control. The ST-10 and ST-12 metering system can run one, two or four sections for the most accurate, cost effective application.

Roller Metering: ST-Series applicators use peg roller meters, which excel at metering fertilizer, seed or herbicide. Compared to auger metering these rollers offer greater accuracy, are less susceptible to plugging, are easier to change and do not grind product. Peg rollers are equipped with brushes for self-cleaning. Low-rate rollers available for cover crop and micronutrients.

Match Your Working Width:

ST-Series applicators can be fitted with 8, 12, 16, 18, 20 and 24 metering runs and the primary air delivery lines can be split downstream to deliver up to 48 rows of product.

Strip Till Granular Fertilizer Applicator Specifications

	ST-10	ST-12
Hopper Capacity	• 305 cu ft (120/185 cu ft) 10 Tons (4/6 ton)	• 370 cu ft (185/185 cu ft) 12 Tons (6/6 ton)*
Tank Configuration	• Two compartments	• Two compartments
Tank Material	• High Density Polyethylene	
Metering Sections	• Up to four sections (Hydraulic motors per section)	
Tank Features	• Air Manifold gauge • Hopper Screen	
Air Manifold	• 8, 12, 16, 18, 20 and 24 Outlet manifolds (choose at the time of ordering)	
Meter	• Plastic peg meters rollers with brush for self cleaning • Manual hopper bottom shut-off slide gates • PWM Valve • Meter encoder, Fan speed sensor, Bin level sensor • Low rate rollers available	
Implement Mounting	• Skid mounting available - contact dealer for details *ST-10 does not come standard with mounting hardware.	
Fan	• Hydraulic fan drive • High output fan option for high rates, swaths, or ground speeds • Second fan standard on 24 row models	
Options	• Air line splitters • Low rate peg meter rollers • Deflector kit for broadcast application • Air diffusers for in-row application • PVC flexible air hose • Ladder and platform is optional on skid mount ST10 but is standard on PathFinder mount ST10 and all ST12 offerings	
Hydraulic Requirements	• Single Fan (8-20 outlets) 21 gpm @ 2800 psi • Dual Fan (24 outlets or high output) 38 gpm @ 2800 psi • Case drain required • Hoses to tractor not included	
Optional Control Packages and Scales	• ISOBUS Controls* (includes ECU and harness) • Digi-Star Scale Kit (includes one cab display) or available as ISOBUS	

*For use with 3rd party ISOBUS cab consoles utilizing prescription mapping (i.e. John Deere 2630™, Case IH Pro 700™, etc.) * ISOBUS compliance does not guarantee compatibility with all functionality on 3rd party ISOBUS displays; Non-ISOBUS displays are not compatible with this controller. Always consult with the display manufacturer before purchase - Prescription mapping and/or auto section control may require software unlock. Ensure latest display firmware version is installed.

PATHFINDER SELF-STEERING CART



TIRE OPTIONS

- The 10 ton *PATHFINDER* cart can be equipped with row crop or floatation tires to meet your application needs.



ACKERMAN STEERING

- Ackerman steering tracks more accurately behind implements and reduces stress on the implement, while reducing the horsepower required to maneuver



MULTI-AXIS PIVOT HITCH

- The *PATHFINDER*'s near universal integration with many planters and implements. Contact your local dealer or Salford Group to determine fit



AXLE SPACING OPTIONS

- The *PATHFINDER* offers 5 axle spacing options from 120 inches to 160 inches, in order to match your row crop needs



Ideal for: Row crop application of fertilizer attached to strip-till bars and planters.

PATHFINDER FOR ST-6 & ST-10

High Capacity Self-Steering Cart

The *PATHFINDER* and ST-Series commodity metering system adds high capacity, multi-product, fertilizer delivery to tillage equipment, strip-till bars, side dress applicators and planters. The universal, multi-axis pivot hitch can be adapted to fit virtually any frame design.

Row Crop Application

The *PATHFINDER* features a high-clearance axle for post emergence, inter-row application. The axle can be stubbed out to match various row-crop spacings.

Ackerman Steering Accuracy

Using the Ackerman steering principle the *PATHFINDER* tracks more accurately behind implements. This steering principle reduces stress on the implement and cart while reducing the horsepower required to maneuver.

Unique Features

- Ackerman steering for accurate tracking and less horsepower required to maneuver
- High-clearance frame can be used for post-emergence side dressing
- Double ball hitch for attaching to most implements
- Axle spacing options to fit row crop requirements
- Tow hitch available to pull anhydrous or other implements behind the *PATHFINDER*
- Rigid frame with 5-link steering improves side-hill tracking
- Patented 5-bar steering linkage uses Ackerman Principle

PATHFINDER Specifications

Chassis

- 6 ton rated base cart
- 10 ton rated base cart

Tires	6 Ton	10 Ton
Compatible Fertilizer System	• ST-6	• ST-10
Wheel Hub	• 10 Bolt	• 10 Bolt
Standard Tire	• 380 / 90 R46 156A	• 380 / 90 R46 173D
Optional Row Crop Tire		• 480 / 80 R46 174A8
Optional Floatation Tire		• 800 / 65 R32

Axle Spacing Options

- 120 inches (20 inch, 30 inch rows)
- 132 inches (22 inch rows)
- 144 inches (36 inch rows)
- 152 inches (38 inch rows)
- 160 inches (40 inch rows)

Steering

- Standard: Patented implement guided mechanical steering - 5-point mechanical tie-rod links

Implement Connection

- Highly adaptable multi-axis pivot hitch to fit virtually any leading implement*
- Hitch adaptor for some planter models available - contact dealer

*Special hitch options may be required.

Options

- Tow hitch for anhydrous ammonia carts
- Adaptor hitch for pickups

1255 PULL-TYPE INTER-ROW BANDING



Pull-Type Inter-Row Banding or Broadcast Applicator for Fertilizer, Seeds, Herbicides, and Insecticides

Air Manifold Gauge

A Murphy gauge measures air manifold pressure using inches of water column. The gauge is connected to the in-cab control with warning light and buzzer to warn of insufficient air pressure, ensuring proper application.

Manifold-Venturi System and Funnel Tray

The Venturi and manifold systems can be lowered by means of a quick release. Funnel trays are inserted for collection of product when calibrating or emptying the unit.

Hopper Bottom Slide Gates

Manually operated slide gates stop product flow to the metering system allowing you to remove the roller for cleaning or servicing.

Calibration Hand Crank

To make calibrating a product as precise and easy as possible a hand-crank is provided to turn the metering system. The product can be collected by using the funnel trays and weighed for determining exact application rates.

In-Cab Control

The dual electric clutch control allows you to operate the metering system from the operator's seat. Two magnetic clutches and in-cab control allow half shut-off on either side.



Broadcast boom.



60 Speed Gearbox: Rate adjustment is easy and precise with 60 settings at 5% increments. The gearbox features 8 speeds, 2 ranges and 4 input drive ratios giving a wide selection of rates. Combined with the ground drive system, it provides unparalleled accuracy over the entire range of settings.



Metering Roller: The 1255 PT uses two fluted rollers for metering granular product or seed. The red rollers have 28 grooves and are used for application of fine products such as granular herbicide and small seeds such as grass, flax, canola, alfalfa, etc. The coarse rollers have 12 grooves and are used with fertilizer and larger seeds such as wheat or soybeans. Each unit comes with both types of rollers.

1255 Pull-Type Specifications

Hopper

- 18 cubic feet
- 409 stainless steel with 2 component urethane primer and 2 component urethane top coat paint
- Weathertight lid
- Product level sight gauge

Booms

Broadcast or inter-row banding boom

- Broadcast boom
 - Self-leveling frame with 16 foot boom (can be extended to 20 feet or 24 feet with optional 4 foot or 8 foot extension kits); adjustable boom height
 - (6) left hand and (6) right hand broadcast deflectors
 - 1.25 inch ID, PVC Hose
- Inter-Row Banding Boom
 - 2 stainless steel assemblies with 6 drop tubes
 - Telescoping to accommodate various row spacing up to 10 feet
 - Adjustable angle and height provide different band application widths
 - Also includes a 7 foot non-folding broadcast boom with breakaways for inter row broadcasting with 12 drop tubes
 - 1.25 inch ID, PVC Hose

Metering

- Ground driven
- Comes with 28 groove rollers for fine granular and small seeds and 12 groove rollers for fertilizer and large seeds
- In-cab electric clutch control and air manifold monitor
- 60 speed gearbox with 5% between settings
- Air manifold and venturi system drop for easy cleaning
- Half-width shut-off on either side

Fan

- 18 inch impeller with 3 inch outlet
- Operates at 3200-4000 RPM
- Hydraulic or gas engine fan drive
 - Hydraulic – 2.2 CID motor requires 8 GPM; hydraulic lines to hitch included (customer supplied connectors); includes sheaves, belt, shields, flow control with check valve
 - Gas engine – 9 HP engine; comes with Cyclone Air Cleaner; includes centrifugal clutch, engine mount, sheaves, belt and shields
- Note: Engine ordered separately

Chassis

- 1500 lb. rubber torsion axle
- 5 bolt hubs
- P265/50R15
- Taillights
- Safety chains
- Clevis type hitch

Dimensions/Shipping Information

- Height: 6 feet, Width: 6 feet 10 inches, Length: 8 feet 7 inches
- Weight: 1080 lbs

456 GRANULAR FORAGE PRESERVATIVE

SALFORD



Maximize the Nutrient Value & Palatability of Your Hay

The addition of a preservative when harvesting forage preserves its nutrient value and promote optimum palatability for livestock, and allows you to harvest at a higher moisture content.

When it comes to applying granular preservatives, nothing is more accurate or easy to use than Valmar's Forage Preservative Applicator. This applicator has been extensively researched and field tested to provide you with the most dependable and efficient means of applying preservatives during forage harvesting.



Mounts Easily to Most Balers

Valmar's universal mounting stand allows you to easily attach the applicator to most makes and models of balers and forage harvesters.

Efficient Air Driven Application

With the fan driven air delivery system you are able to more evenly distribute granules through the hay mass, plus you will have more options on mounting locations than with gravity fed systems. The fan's electric drive operates at 3600 RPM and easily connects to your tractor's 12 Volt system.

Extremely Accurate Metering

Valmar's four outlet system with a 12 or 28 groove plastic metering roller allows you to precisely distribute granules at a rate of up to five pounds a minute. Preservative is distributed through flexible heavy duty delivery hoses with rigid outlet tubes.

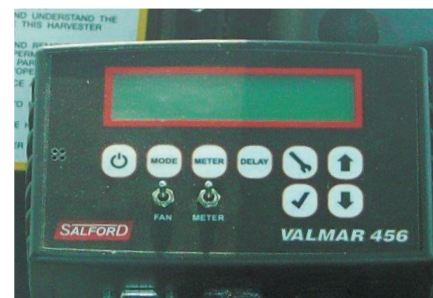


Weather Tight Hopper

Valmar's precision manufacturing keeps the weather out and the hopper screen prevents foreign materials from entering. It features a 2.8 cubic foot capacity with a hopper bottom shut off for easy access to metering rollers for regular cleaning.

Convenient In-Cab Monitoring and Control

Monitor and control all applicator operations with Valmar's convenient in-cab unit. With its large, easy to read digital display you will have complete control of metering by adjusting the roller RPM's. An alarm sounds when there's a problem with the system.



455 Forage Preservative Applicator Specifications

Hopper

- Mild steel construction
- 2.8 cubic foot capacity – holds approximately 250 lbs
- 2 component urethane primer and 2 component urethane top coat paint
- Hopper bottom shut off
- Fitted tarp is included
- Weather tight reversible lid

Metering

- 4 outlet manifold system
- Manifold is reversible for front or rear product delivery
- 12 Volt electric drive
- Manifold is easily removed for cleaning
- Both coarse and fine roller segments are included
- Meters up to 5 lbs/minute

Fan

- Operates at 3000-3600 RPM
- Plastic fan impeller
- 2.5 inch diameter fan outlet
- 12 Volt electric drive

In-Cab Control

- Both audible and digital alarms
- Operates and monitors fan and metering
- Digital read out shows metering roller RPM, low or high voltage, metering errors and warnings

Options

- Mounting stands to fit most round balers and large/medium square balers

Dimensions/Shipping Information

- Height: 28 inches
- Width: 22 inches
- Length: 23 inches
- Weight: 135 lbs

**INDEPENDENT
SERIES**

I-1100
I-1200
I-2100
I-2200
I-4100
I-4200

AERWAY

HAY &
PASTURE
TILLAGE
ORCHARD/
VINEYARD
TURF

TILLAGE

HALO
5200
ENFORCER
MOLDBOARD
PLOWS
CULTIVATORS
UNIVERSAL
HARROWS

**BBI SPINNER
APPLICATORS**

SNIPER 120'
MAGNASPREAD
MOUNTED
MAGNASPREAD
PULL-TYPE
ENDURANCE
MOUNTED
ENDURANCE
PULL-TYPE
LIBERTY
GRASSHOPPER
CRICKET
TROOPER

**VALMAR
APPLICATORS**

6700 MOUNTED
9620 PULL-TYPE
8600/8700 PULL-TYPE
5500 PULL-TYPE
1255 PULL-TYPE
245 PULL-TYPE
56 SERIES
APPLICATORS
FERTI-GO 4S

456 FORAGE
PRESERVATIVE
APPLICATOR

ST-4/ST-6/ST-
10/ST-12 ROW
CROP

6 TON/10 TON
PATHFINDER
CART

SALFORD

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