



PRO-FORCE™

DRY SPREADERS

**PRECISION APPLICATION IN A
HIGH-PERFORMANCE SPREADER**



FERTILIZER APPLICATION

50-Series Models
umequip.com



Unverferth® PRO-FORCE

VERSATILE FEATURES, HIGH-QUALITY COMPONENTS AND OPERATOR FRIENDLY!

The Unverferth Pro-Force™ lineup of dry fertilizer, compost, poultry litter and cover crop spreaders feature operator-friendly innovations, top-of-the-line performance, heavy-duty components and can spread up to four products at the same time with variable rate control. These features make the Pro-Force spreader the ideal match for commercial applicators, professional producers and growers of all sizes.

HOPPER

- 102" wide hopper is constructed of premium 10-gauge 304 stainless steel for the most corrosive-resistant finish
- Hopper features steep 50° slopes for complete cleanout and struck capacities ranging from 710 to 270 cubic-feet
- Optional 175 cubic-foot Duo-Force insert can be added at any time and allows you to spread 2 separate products at the same time, with independent variable rate control
 - Add the Tri-Force attachment featuring a 75 cubic-foot micro-nutrient hopper for spreading 3 separate products
 - Add the Quad Force insert into the Tri-Force bin for spreading 4 separate products

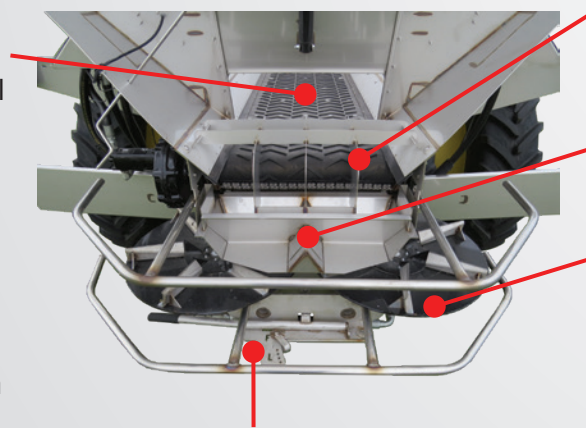


Tri-Force Hopper Multi-Product Spreading

SPREADING SYSTEM

Hydraulically driven belt-over-chain and spinner assemblies can apply common fertilizers up to 90', lime and gypsum up to 60', soybeans and cover crops up to 70' and compost up to 45'

- 34" wide belt-over-chain provides a leak-free seal for accurately dispensing material onto the spinners
 - Vee-cleat belt is fastened to the chain for worry-free operation
 - Pintle chain is the backbone of the belt and provides more than 60,000 lbs. of high-tensile strength
 - Drive system features the largest spur gear in the industry, heavy-duty gearcase and pinion and utilizes 4140 forged sprockets for extended life
- Spinner assemblies feature multiple, tool-free adjustment settings for quick and easy fore-and-aft movement. This operator-friendly design ensures that the correct setting is selected every time it is operated
- Removable hillside baffles hold material in place when traveling over uneven terrain
- Fixed material divider ensures even distribution to each spinner
- Dual 30" spinner assemblies feature a dished design and aggressive vanes that produce a wider spread pattern and precision application rates
 - Spinner disks are mounted on jackshaft assemblies that prevent stress on the motor's output shaft



DRY SPREADERS

OPERATOR CONVENIENCE

- Conveniently located control valves near the front of the hopper for a clean work environment
- Bin level sensor alerts the operator when the hopper is getting low and the window in the front endgate allows the operator to easily check the hopper contents
- Inverted Vee in the hopper protects the belt-over-chain and helps break up material when loading with an end loader
- Tensioning system features an inspection port to easily monitor the chain for optimum life

PULL-TYPE MODELS

- Models 2250, 1850 and 1450 feature 710, 580 and 450 cubic-foot capacity hoppers with 12" sideboards
- Raven RCM ISOBUS rate controller allows the operator to use the tractor's virtual terminal screen
 - An on/off master foot switch is used in conjunction with the ISOBUS rate control system
- Features a single axle design and a category 4 Bull-Pull hitch that accommodates 2" and 1.5" hitch pins
- Hydraulic brakes and transport lighting ensure safer road transport
- The side-mounted ladder allows the operator to easily check the hopper contents
- Choose from high-flotation IF900/65 R32 single wheels and tires, 480/80 R46 or 380/90 R46 row-crop dual wheels and tires



Pull-Type Undercarriage



Truck Floater Chassis

CHASSIS MOUNTED MODELS

- Models 2050, 1850, 1650, 1450 and 1350 feature 645, 580, 515, 450 and 415 cubic-foot hopper capacities with 12" sideboards
- Model 1250 can be mounted to row-crop sprayer chassis and features a 270 cubic-foot hopper
- Rubber-cushioned mounting provides a smooth ride and lift lugs permit quick installation or removal
- Chassis mount options include:
 - 4" and 12" sideboards for model 1250 provide hopper capacities of 300 and 385 cubic-feet
 - Hydraulic gear pump is available for mounting to a chassis that does not have a hydraulic system
 - Oil cooler system can be mounted to a chassis that is not equipped
 - Front and rear mud flaps provide added hopper protection
 - For chassis that are not equipped, an optional hydraulic unloader valve and hydraulic tank shutoff valve are available



Row-Crop Sprayer Chassis

ACCESSORIES

Customize your Pro-Force spreader to your exact needs with these optional accessories.

OPTIONS AND ACCESSORIES

- 304 stainless steel fenders protect the hopper from debris and feature an overall width of 132"
- For accurate weight recording and in-field calibration, choose the ISOBUS operated or 410 indicator scale system that features an innovative design for accurate weight measurements
 - 18' and larger hoppers feature a 6-point design and 14' and smaller hoppers feature a 4-point design



Optional Roll-Tarp

- On 645 cubic-foot and larger hoppers, a second heavy-duty gearbox assembly places one on each side of the belt-over-chain for even distribution
- Roll-tarp with stainless steel end caps is available to protect the hopper's contents
 - Electric operation of the roll-tarp is also available and provides added operator convenience

SPECIFICATIONS

Model	2250	2050	1850	1650	1450	1350	1250	
Style	Pull-Type	Chassis Mounted	Pull-Type or Chassis Mounted	Chassis Mounted	Pull-Type or Chassis Mounted	Chassis Mounted	Sprayer Chassis Mounted	
Hopper Length	22'	20'	18'	16'	14'	13'	12'	
Hopper Width	8'6"							
Hopper Height	6'10"							5'10"
Main Hopper Struck Capacity – Cu/Ft	710	645	580	515	450	415	270	
Duo-Force Struck Capacity – Cu/Ft	175 (reduces the main hopper capacity by this amount)							385 (w/12" Sides)
Tri-Force Struck Capacity – Cu/Ft	75							120
Quad Force Struck Capacity – Cu/Ft	37.5 (reduces the Tri-Force hopper by this amount)							175 (w/12" Sides)
Main Hopper Capacity – Tons of Fertilizer	22	20	18	16	14	13	8.5	
Duo-Force Capacity – Tons of Fertilizer	6 (reduces the main hopper capacity by this amount)							12 (w/12" Sides)
Tri-Force Capacity – Tons of Fertilizer	3							4
Quad Force Capacity – Tons of Fertilizer	1.5 (reduces the Tri-Force hopper by this amount)							6 (w/12" Sides)
Pull-Type Overall Length	31'3"	—	27'3"	—	23'3"	—	—	
Pull-Type Overall Height	10'4"	—	10'4"	—	10'4"	—	—	
Pull-Type Transport Width	11'3"	—	11'3"	—	11'3"	—	—	
Pull-Type Spinner Ground Clearance	40"	—	40"	—	40"	—	—	

Struck hopper capacities calculated using 62-pound fertilizer per cubic-foot. Due to continuing improvements in the design and manufacture of Unverferth products, all standard features, options and specifications contained herein are subject to change without notice.

See your nearest Unverferth Pro-Force spreader dealer today for complete details, or check our website at www.umequip.com.

Unverferth
Manufacturing Company, Inc.

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