



**HANDLE DRY
SPREADING
LIKE A PRO**

PRO-FORCE[®]
DRY SPREADERS



DRY SPREADER
WITH PULL-TYPE UNDERCARRIAGE

**FERTILIZER
APPLICATION**

**INNOVATING
THE FUTURE OF
AGRICULTURE**

**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 features operator-friendly innovations, top-of-the-line performance and 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 840 to 270 cubic feet
- Optional 175-cubic-foot Duo-Force insert can be added at any time and allows you to spread two 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 three separate products
 - Add the Quad-Force insert into the Tri-Force bin for spreading four separate products

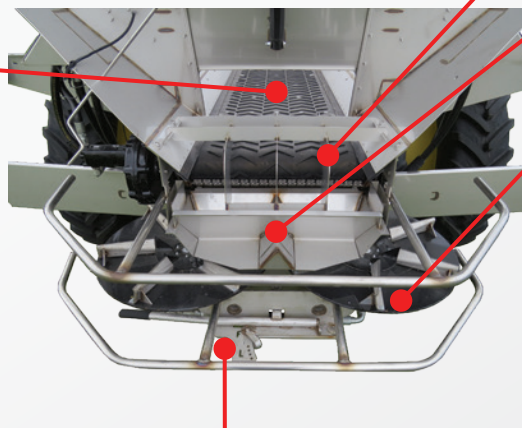


Tri-Force hopper multi-product spreading

SPREADING SYSTEM

Hydraulically driven belt-over-chain conveyor and spinner assemblies can apply common fertilizers up to 90', lime and gypsum up to 60', soybean and cover crop seeds up to 70', and compost and litter up to 45'. Model 2650 features a pintle flat-bar chain conveyor, which is also offered as an option on other models.

- 34" wide belt-over-chain conveyor 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 pounds 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

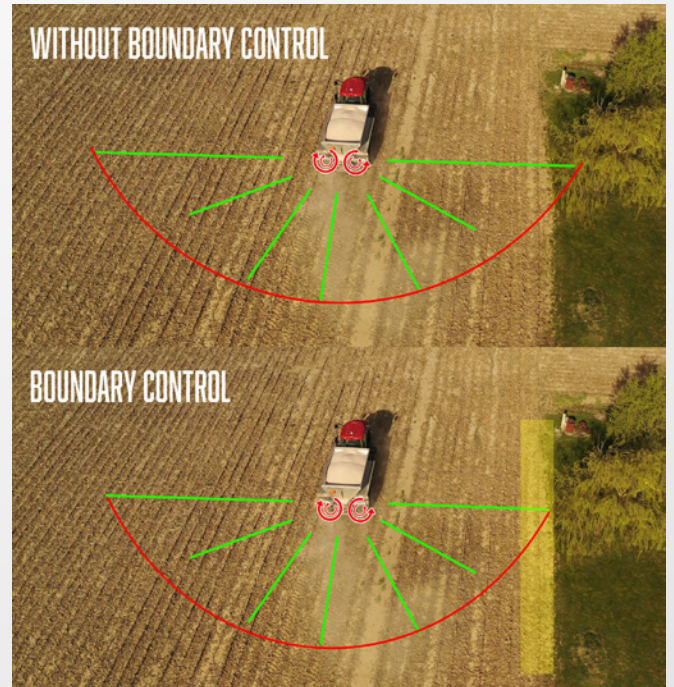


- Removable hillside baffles hold material in place when traveling over uneven terrain
- Fixed material divider ensures even distribution to each spinner
- Dual 30" spinner assemblies feature a dished design and aggressive vanes that spread up to 90' with precision application rates
 - Spinner disks are mounted on jackshaft assemblies for longer motor life and easier maintenance
- 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

UNVERFERTH DRY SPREADERS

OPERATOR CONVENIENCE

- Boundary control on the right-hand side reduces the spread pattern to keep fertilizer in the field while going around the field's edge
- 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
- Conveyor tensioning system features an inspection port to easily monitor the chain for optimum life
- Under-hopper deflectors protect undercarriage from corrosion
- Centralized standard grease bank for quick and easy lubrication of the bearings on the conveyor, spinner jackshaft and Duo-/Tri-/Quad-Force bins (if equipped) and feed gate jack and axle components of the walking tandem (if equipped)



PULL-TYPE MODELS

- Models 2650, 2250, 1850 and 1450 feature 840-, 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 adjustable axle design and a category 4 Bull-Pull hitch that accommodates 2" and 1.5" hitch pins
- Transport chain, lighting and reflective striping ensure safer road transport
- The side-mounted ladder allows the operator to easily check the hopper contents



UNVERFERTH PRO-FORCE



Model 2250 with walking tandem axle



Model 2250 with Equalizer® tracks

Choose from a wide variety of undercarriage options including:

- High-flotation IF900/65-R32 single wheels and tires, 480/80 R46 or 380/90 R46 row-crop duals for all models
- Tandem axle undercarriage with 750/60 R30.5 tires and wheels on models 2650 and 2250 or 710/50 R26.5 on model 1850
- Equalizer tracks with 42" wide belt and 87" of ground contact length. Its patented design features 9° of side-to-side camber and 20° of front-to-back pivot with independent movement of each track for uniform ground contact and maximum flotation. Standard with auto-greaser system for ideal lubrication of pivot points
- Hydraulically tensioned 36" x 112" tracks feature front-to-back pivoting, large 32" end wheels with 8-bolt hubs for optimum lubrication and 75" of ground contact for enhanced flotation

CHASSIS-MOUNTED MODELS

- Models 2050, 1850, 1650, 1450 and 1350 feature 645-, 580-, 515-, 450- and 415-cubic-foot hopper capacities with 12" sideboards
- Rubber-cushioned mounting provides a smooth ride, and lift lugs permit quick installation or removal
- Models 1250 and 1150 can be mounted to select row-crop sprayer chassis and feature a 270-cubic-foot hopper
- 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; add an optional handrail for easier viewing of contents
 - An optional hydraulic unloader valve and hydraulic tank shut-off valve are available for chassis without one



Truck floater chassis



Row-crop sprayer chassis



PRO-FORCE ACCESSORIES

OPTIONS AND ACCESSORIES

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

- 304 stainless steel fenders protect the hopper from debris and stay in the transport width of the spreader. Package includes non-slip treads and handrails along length of spreader to more easily view entire contents
- 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 weighing design, and 14' and smaller hoppers feature a 4-point design
- Hydraulic operated brakes provide added stopping power for tractors equipped with auxiliary braking



Optional rollover tarp with optional electric operation

- 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 wireless operation of the roll-tarp is also available and provides added operator convenience

FLOTATION SPECIFICATIONS

Loaded PSI Chart

Undercarriage	Model Number			
	2650**	2250*	1850*	1450*
Equalizer 42" x 131"	7.85	22.50-10.30	8.45	-
36" x 112" Tracks	9.53	12.82	10.33	10.40
VF320/105x54 R-1 Duals	-	-	-	20.68
VF380/90x46 R-1 Duals	13.25	21.59	18.15	14.88
VF480/80x46 R-1 Duals	9.06	14.68	12.36	10.16
480/80x46 R-1 Duals	11.06	17.85	15.03	12.33
900/65x32 R-3	12.29	20.17	16.95	13.80
710/50x26.5 HF-2	-	-	14.54	-
750/60x30.5 HF-2	10.58	13.12	-	-

*To be used as relative guide for flotation of these undercarriage options and based on granular fertilizer at appx. 84 pounds per cubic foot

**Chicken litter at appx. 36 pounds per cubic foot

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SPECIFICATIONS

Models	2650	2250	2050	1850	1650	1450	1350	1250	1150	
Hopper Length	26'	22'	20'	18'	16'	14'	13'	12'	11'	
Hopper Slopes	50°									
Hopper Material	10-Gauge 304 Stainless Steel									
Hopper Width	8'6"								7'10"	
Hopper Height	6'10"							5'10"	5'3"	
Struck Capacity – Cu/Ft	840 (Litter & Compost Only)	710	645	580	515	450	415	270 300 w/4" sides 385 w/12" sides	200 256 w/8" sides	
Duo-Force Struck Capacity – Cu/Ft	175 (reduces the main hopper capacity by this amount)							120 138 w/4" sides 175 w/12" sides	80 110 w/8" sides	
Tri-Force Struck Capacity – Cu/Ft	75							-	-	
Quad-Force Struck Capacity – Cu/Ft	37.5 (reduces the Tri-Force hopper by this amount)							-	-	
Capacity – Tons of Fertilizer	Litter & Compost Only	22	20	18	16	14	13	8.5 9.5 w/4" sides 12 w/12" sides	6 8 w/8" sides	
Duo-Force Struck Capacity – Tons of Fertilizer		6 (reduces the main hopper capacity by this amount)							3.75 4.5 w/4" sides 6 w/12" sides	2.5 3.5 w/8" sides
Tri-Force Struck Capacity – Tons of Fertilizer		3							-	-
Quad-Force Struck Capacity – Tons of Fertilizer		1.5 (reduces the Tri-Force hopper by this amount)							-	-
Pull-Type Overall Length		35'3"	31'3"	-	27'3"	-	23'3"	-	-	-
Pull-Type Overall Height		10'4"	10'4"	-	10'4"	-	10'4"	-	-	-
Pull-Type Transport Width	11'9"	11'9"	-	11'9"	-	11'9"	-	-	-	
Pull-Type Weight	14,900 lbs.	13,600 lbs.	-	12,600 lbs.	-	10,800 lbs.	-	-	-	
Pull-Type Spinner Ground Clearance	40"	40"	-	40"	-	40"	-	-	-	

FIND YOUR PRO. → Visit UMequip.com or see your nearest dealer today.

Due to continuing improvements in the design and manufacture of Unverferth products, all specifications contained herein are subject to change without notice. For relevant patent marking, please visit unverferth.com/patents.

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