

Unverferth® *Seedbed Tillage*

Rolling Harrow® soil conditioner



Soil Conditioning ***As Good As It Gets***

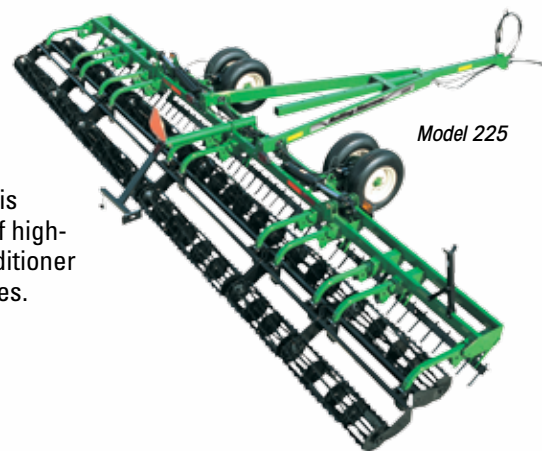


Models 1225, 225, 165

Soil Conditioning *As Good As It Gets*

Ensure optimum performance from your high-value seed by preparing a seedbed that's as good as it gets. Hitch the Unverferth® Rolling Harrow® soil conditioner to your secondary tillage tool and the result is a one-pass seedbed with coarse soil on top that resists crusting and finer particles at planting depth for greater seed-to-soil contact for quicker, more uniform germination and emergence.

With more than 30 years in the field, the Unverferth Rolling Harrow soil conditioner is available with many choices to meet your individual needs, including your choice of high-gloss powder-coat finish of tractor-red or -green. The right Rolling Harrow soil conditioner model for you depends on acres of use, volume of residue and operating preferences.



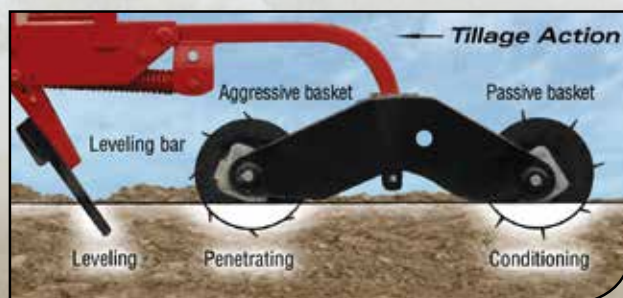
Triple-action Performance

The Rolling Harrow double basket soil conditioner delivers effective triple-action soil-finishing performance for the smoothest, firmest seedbed possible. There's coarse soil on top to resist crusting and finer soil particles at planting depth for optimum moisture retention and seed-to-soil contact.

First, the leveling bar knocks down ridges, leaving an even surface for the most effective mixing action possible.

Second, the aggressive lead roller features spiraled, pitched blades that till up to 3" deep to penetrate and shatter the soil for maximum soil conditioning, residue and chemical mixing.

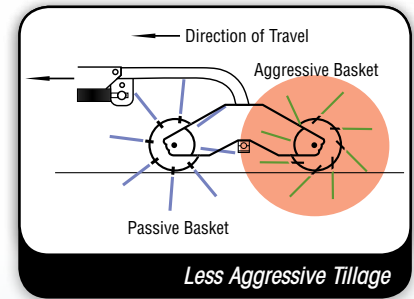
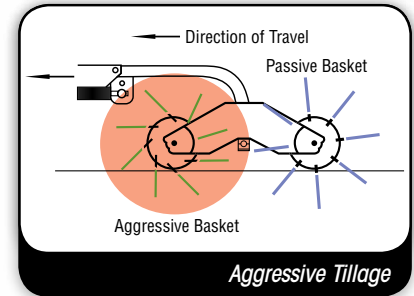
Third, on double-basket models, the passive trailing roller features spiraled, straight blades that smooth and level the surface for quicker, more uniform germination and emergence.



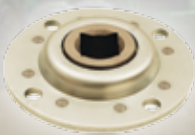
Exclusive Basket Design

When it comes to rolling basket soil conditioners, no one can imitate the exclusive features of our field-proven, 12"-diameter basket design.

- Robotically welded for the greatest manufacturing consistency and enhanced longevity
- Single-piece, 1½" tall, high-carbon steel serrated blades for ideal tillage action
- Round center shaft for full-width basket support
- Reinforcing discs positioned on 9" to 12" spacings for added durability
- Rollers can be set to free-floating or one of five fixed positions for your choice of leveling aggressiveness with easy pin adjustment
- Reversible assembly for extra firming action in lighter soils
- High-clearance, arched and oscillating roller frame keeps both baskets working the soil, even in the most extreme, rocky conditions



Model 225 with shielded 3-bolt bearings



Model 1225 with flanged 4-bolt bearings

Models

Model 225 is equipped with heavy-duty 3-bolt bearings with triple-lip seals, a pressed-on shield and 1" bore. These bearings resist dirt and trash contamination in high-residue environments. Baskets feature a solid steel 1" center shaft for added durability.

Model 1225 is designed for turning the implement while still in the ground in high-speed, high-acreage applications. It's equipped with flanged, 4-bolt bearings with triple-lip seal and a 1½" square bore for withstanding tremendous side-load stresses. The 1½" center shaft provides full-width basket support.



Pull-type Double Basket **Rolling Harrow Model Features**



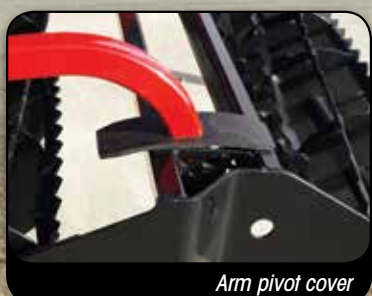
Coil-tine leveling bar



Spike-tooth leveling bar



Angled leveling bar



Arm pivot cover



Tire soil scraper kit

- Up to 22" of ground clearance during transport while contributing little additional weight to the lead tillage tool for reduced stress and increased life
- Extendible tongue for easily matching the turning radius of the lead implement
- Telescopic 4" x 4" tongue on model 225 up to 37'; 5" x 5" tongue on 225 models 39' and larger and all 1225 models
- Only one set of tractor hydraulics required; dual hoses and/or selector valves are optional
- All hoses include end caps and are routed through mainframe for longer life
- Standard drop-leg jack for convenient hitching and unhitching
- Basket arm pivot cover prevents rocks and debris from accumulating to ensure baskets follow ground contour
- Optional end-plate protectors provide added wear in moist, sandy soils for increased basket frame life
- Optional soil scraper kit for transport wheels for clean, efficient operation



End plate protector



Tool-free adjustable leveling bar

Leveling Bars

The leveling bar features a tool-free spring-pressure adjustment for fine-tuning aggressiveness, or it can be pinned up for high-residue fields.

Your choice of leveling bars includes:

- Diagonal round-tooth with heat-treated $\frac{3}{4}$ " x 12" teeth for heavier soils and moderate residue
- Spike-tooth with forged $\frac{3}{4}$ " x 11" diamond-shaped teeth for heavier soils with minimal residue
- Coil-tine with $\frac{3}{8}$ " x 17" long spring tines for fields with lighter soils and heavy residue, or none for extreme residue situations





Flat-fold, Stack-fold, Cross-fold or Vertical-fold

Rolling Harrow soil conditioners with double baskets are available, depending on working size, in flat-fold, stack-fold, cross-fold and vertical-fold models.

Tongue length is adjustable from 10'2" to 19'2" on models with 12' bases, and 12'10" to 21'10" for models with 15' bases, for additional turning clearance. Dual transport wheels provide exceptional stability during transport. Wing gauge wheels are standard on cross-fold and vertical-fold models and optional on other models with 7' to 11' wings. Models 47' to 63' can be equipped with available castering gauge wheels for easier in-field turning.

All models are equipped with a standard lighting package, which includes flashing amber and red taillights that meet all state standards for lighting for transport safety. An SMV emblem and reflective tape are also standard.



Vertical-folding



Stack- or flat-folding



Cross-folding



Hydraulically Retractable Tongue

Rolling Harrow soil conditioner tongue length in the field is important for proper turning when hitched behind your tillage tool. A shortened tongue length for transport is important for enhanced transport safety and navigating tight roadway turns.

You get both with the Rolling Harrow soil conditioner's optional hydraulically retractable tongue for 1225 models from 39' to 63' and 165 models from 51' to 63' with complete and convenient in-cab control. Two locking pins are hydraulically actuated, allowing the operator to extend the tongue length by driving the tractor forward or shortening the tongue by backing up. The pins automatically engage at the desired position to lock the hitch in position. Internally mounted bearings on all four tongue sides ensure smooth, effortless extension and retraction.



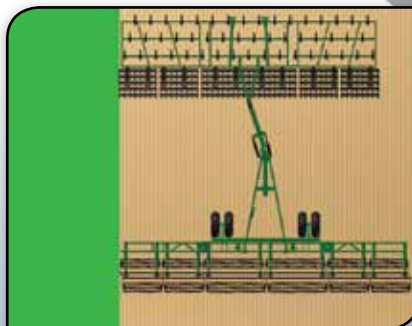
Hydraulically retractable tongue

Offset Tongue

The Rolling Harrow soil conditioner offset tongue for double-basket models is ideal for tillage operation at the field's edge.

The hydraulically actuated mechanism is adjustable up to 2' to match the leading edge of the lead implement to easily prepare soil adjacent to the fence row, grass knolls and trees. The tongue can be locked in place for safer road travel. Option available for all 1225 models and 51' to 63' model 165.

The optional offset tongue can be combined with the hydraulically retractable tongue for ultimate Rolling Harrow soil conditioner performance on 47' to 63' model 1225 and 51' to 63' model 165.



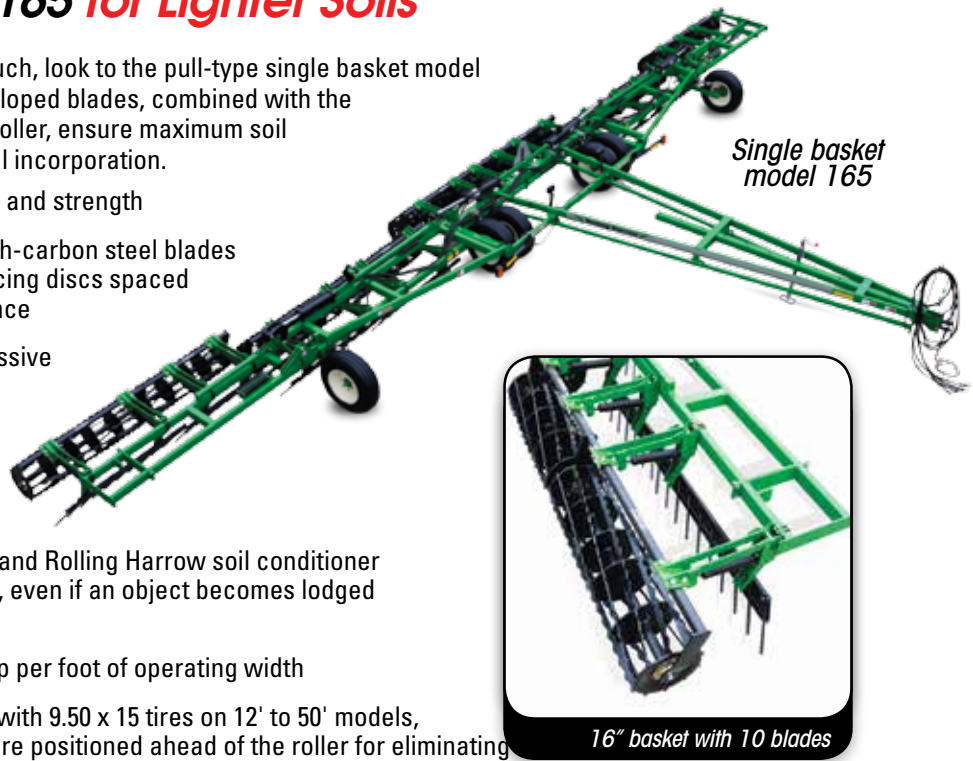
Offset tongue for tillage at field edges



Single Basket Model 165 for Lighter Soils

For soils that need only a lighter finishing touch, look to the pull-type single basket model 165 Rolling Harrow soil conditioner. The scalloped blades, combined with the aggressively designed leading angle of the roller, ensure maximum soil penetration and mixing for superior chemical incorporation.

- Trussed frame design for added rigidity and strength
- Large-diameter 16" baskets with 10 high-carbon steel blades and 2 3/8" steel-center shaft with reinforcing discs spaced every 10" to 12" for optimum performance
- Baskets are reversible for either aggressive mixing or more passive surface firming
- 4-bolt flanged bearings feature triple-lip seals for maximum life
- Operating speeds of 4.5 to 7 mph
- Superior clearance between the roller and Rolling Harrow soil conditioner frame ensures uninterrupted operation, even if an object becomes lodged between the blades
- Horsepower requirement is 1/2 hp to 1 hp per foot of operating width
- Large-diameter dual-transport wheels with 9.50 x 15 tires on 12' to 50' models, 11 x 15 tires on 51' and larger models, are positioned ahead of the roller for eliminating tracks and enhanced in-field stability
- Models from 38' to 63' feature wing-mounted 9.50 x 15 wheels/tires for added in-field stability
- Choice of tool-free adjustable, straight spike-tooth, diagonal round-tooth or coil-tine leveling bars or none
- Extendible tongue length for added turning clearance
- All models are available with optional offset tongue and 51' to 63' models are available with hydraulically operated tongue
- Available in choice of powder coated finish in red or green



Single basket model 165

16" basket with 10 blades

Specifications

Model 165 63' to 12' Complete Units — Vertical Folding

Working Width	Trans. Width	Trans. Height	Width		Fold	Approx. Weight w/ Harrow
			Base	Wings, Ea.		
63'	16'6"	15'10"	15'	24'	5-Section	11,980 lbs.
61'	16'6"	15'10"	15'	23'	5-Section	11,580 lbs.
59'	16'6"	14'11"	15'	22'	5-Section	11,210 lbs.
57'	16'6"	14'11"	15'	21'	5-Section	10,830 lbs.
55'	16'6"	14'11"	15'	20'	5-Section	10,470 lbs.
53'	16'6"	13'11"	15'	19'	5-Section	10,080 lbs.
51'	16'6"	13'11"	15'	18'	5-Section	9,990 lbs.
50'	15'7"	14'	12'	19'	5-Section	7,600 lbs.
48'	15'7"	14'	12'	18'	5-Section	7,545 lbs.
46'	15'7"	14'	12'	17'	5-Section	7,485 lbs.
44'	15'7"	14'	12'	16'	5-Section	7,425 lbs.
42'	15'7"	14'	12'	15'	5-Section	7,365 lbs.
40'	15'7"	14'	12'	14'	5-Section	7,305 lbs.
38'	15'7"	14'	12'	13'	5-Section	7,265 lbs.
36'	15'7"	15'9"	12'	12'	3-Section	6,865 lbs.
34'	15'7"	14'9"	12'	11'	3-Section	6,785 lbs.
32'	15'7"	13'9"	12'	10'	3-Section	6,000 lbs.
30'	15'7"	12'9"	12'	9'	3-Section	5,800 lbs.
28'	15'7"	11'9"	12'	8'	3-Section	5,500 lbs.
26'	15'7"	10'9"	12'	7'	3-Section	5,200 lbs.
24'	15'7"	9'9"	12'	6'	3-Section	4,850 lbs.
12'	15'7"	—	12'	—	—	2,900 lbs.

Due to continuing improvements in the design and manufacture of all Unverferth products, all specifications contained herein are subject to change without notice.

Rolling Harrow® Models 225, 1225

Working Width	Fold Type	Trans. Width	Trans. Height	Width				1225		225	
				Base	Wing Total	Mid Wing	End Wing	Tire Size	Approx. Weight w/ Harrow	Tire Size	Approx. Weight w/ Harrow
63'	Vertical 5-Sec.	16'6"	15'10"	15'	24'	13'	11'	11L x 15	12,790 lbs.	—	—
61'	Vertical 5-Sec.	16'6"	15'10"	15'	23'	13'	10'	11L x 15	12,380 lbs.	—	—
59'	Vertical 5-Sec.	16'6"	14'11"	15'	22'	12'	10'	11L x 15	11,920 lbs.	—	—
57'	Vertical 5-Sec.	16'6"	14'11"	15'	21'	12'	9'	11L x 15	11,540 lbs.	—	—
55'	Vertical 5-Sec.	16'6"	14'11"	15'	20'	11'	9'	11L x 15	11,165 lbs.	—	—
53'	Vertical 5-Sec.	16'6"	13'11"	15'	19'	11'	8'	11L x 15	10,760 lbs.	—	—
51'	Vertical 5-Sec.	16'6"	13'11"	15'	18'	11'	7'	11L x 15	10,660 lbs.	—	—
49'	Vertical 5-Sec.	16'6"	13'11"	15'	17'	11'	6'	11L x 15	9,950 lbs.	—	—
47'	Vertical 5-Sec.	16'6"	13'11"	15'	16'	11'	5'	11L x 15	9,780 lbs.	—	—
45'	Cross	16'	13'4"	15'	15'	—	15'	9.5L x 15	8,700 lbs.	—	—
43'	Cross	16'	12'10"	15'	14'	—	14'	9.5L x 15	8,425 lbs.	—	—
41'	Cross	16'	12'6"	15'	13'	—	13'	9.5L x 15	8,150 lbs.	—	—
40'	Cross	13'6"	14'	12'	14'	—	14'	9.5L x 15	7,690 lbs.	—	—
39'	Cross	16'	12'	15'	12'	—	12'	9.5L x 15	7,650 lbs.	—	—
38'	Cross	13'6"	13'7"	12'	13'	—	13'	9.5L x 15	7,300 lbs.	—	—
37'	Stack	16'5"	11'	15'	11'	—	11'	9.5L x 15	5,697 lbs.	7.60 x 15	5,425 lbs.
36'	Cross	13'6"	13'1"	12'	12'	—	12'	9.5L x 15	6,920 lbs.	—	—
35'	Stack	16'2"	9'9"	15'	10'	—	10'	9.5L x 15	5,200 lbs.	7.60 x 15	4,952 lbs.
34'	Vertical 3-Sec.	15'8"	13'10"	12'	11'	—	11'	9.5L x 15	5,500 lbs.	7.60 x 15	5,120 lbs.
34'	Cross	13'6"	12'7"	12'	11'	—	11'	9.5L x 15	6,535 lbs.	—	—
33'	Stack	16'	8'9"	15'	9'	—	9'	9.5L x 15	5,053 lbs.	7.60 x 15	4,812 lbs.
32'	Vertical 3-Sec.	15'8"	12'2"	12'	10'	—	10'	9.5L x 15	5,200 lbs.	7.60 x 15	4,820 lbs.
32'	Cross	13'6"	12'1"	12'	10'	—	10'	9.5L x 15	6,152 lbs.	—	—
31'	Stack	15'11"	8'1"	15'	8'	—	8'	9.5L x 15	4,835 lbs.	7.60 x 15	4,603 lbs.
30'	Stack	13'5"	10'6"	12'	9'	—	9'	9.5L x 15	4,694 lbs.	7.60 x 15	4,470 lbs.
29'	Flat	15'5"	5'11"	15'	7'	—	7'	9.5L x 15	4,635 lbs.	7.60 x 15	4,414 lbs.
28'	Stack	13'5"	9'6"	12'	8'	—	8'	9.5L x 15	4,338 lbs.	7.60 x 15	4,131 lbs.
27'	Flat	15'5"	5'11"	15'	6'	—	6'	9.5L x 15	4,482 lbs.	7.60 x 15	4,268 lbs.
26'	Stack	13'2"	8'6"	12'	7'	—	7'	9.5L x 15	4,193 lbs.	7.60 x 15	3,993 lbs.
25'	Flat	15'5"	5'11"	15'	5'	—	5'	9.5L x 15	3,985 lbs.	7.60 x 15	3,796 lbs.
24'	Flat	12'5"	5'11"	12'	6'	—	6'	9.5L x 15	4,005 lbs.	7.60 x 15	3,814 lbs.
23'	Flat	15'5"	5'11"	15'	4'	—	4'	9.5L x 15	3,850 lbs.	7.60 x 15	3,666 lbs.
22'	Flat	12'5"	5'11"	12'	5'	—	5'	9.5L x 15	3,510 lbs.	7.60 x 15	3,342 lbs.
21'	Flat	15'5"	5'11"	15'	3'	—	3'	9.5L x 15	3,705 lbs.	7.60 x 15	3,528 lbs.
20'	Flat	12'5"	5'11"	12'	4'	—	4'	9.5L x 15	3,375 lbs.	7.60 x 15	3,212 lbs.
18'	Flat	12'5"	5'11"	12'	3'	—	3'	9.5L x 15	3,228 lbs.	7.60 x 15	3,074 lbs.
15'	Rigid	15'5"	N/A	15'	N/A	—	—	9.5L x 15	2,697 lbs.	7.60 x 15	2,568 lbs.
12'	Rigid	12'5"	N/A	12'	N/A	—	—	9.5L x 15	2,242 lbs.	7.60 x 15	2,135 lbs.

See your nearest Unverferth dealer today, visit our website at www.umequip.com or call 1-800-322-6301.

Due to continuing improvements in the design and manufacture of all Unverferth products, all specifications contained herein are subject to change without notice.

Unverferth
Manufacturing Company, Inc.

P.O. Box 357 • Kalida, Ohio 45853
(419) 532-3121
unverferth.com

1-800-322-6301

Please remind all family members and others to use caution and follow recommended safety practices when around all farm equipment. Unverferth Manufacturing Co., Inc., supports the efforts of Farm Safety 4 Just Kids and all other organizations that promote farm safety.

©2015 Unverferth Manufacturing Co., Inc. Printed in U.S.A.

®™ Trademarks, registered or applied for, of Unverferth Manufacturing Co., Inc., Kalida, OH.

Additional facilities in California, Georgia, Iowa, Nebraska, North Dakota, Oregon and Canada.



RHALL5151011M5.7