

**Unverferth**<sup>®</sup> *Seedbed Tillage*

**One-Pass Soil Conditioning**  
***As Good As It Gets***



*Models 225, 1245, 1245D, 1645, 1645D and 165*



## How The *Rolling Harrow*® Soil Conditioner Works

Help 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 tillage tool and the result is a ready-to-plant 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.

Choosing the correct Rolling Harrow soil conditioner to meet your needs depends on your operation and tillage practices.

### Models

**Model 225** — Pages 3–8, specifications on page 11.

The double-basket model 225 with 12"-diameter baskets creates the ideally finished seedbed when used in combination with a field cultivator or disk in conventional tillage systems.

**Models 1245, 1245D** — Pages 3–8, specifications page 11.

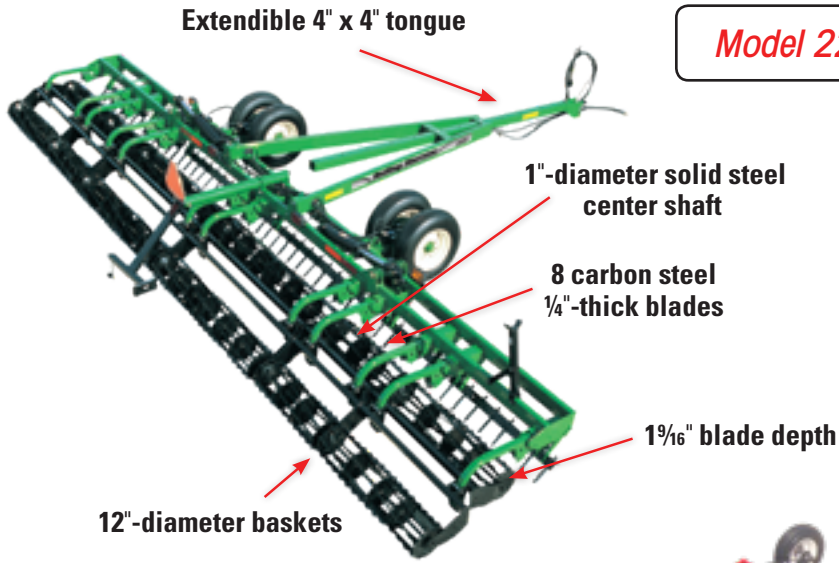
For higher-acreage, conventional-speed tillage operations behind a field cultivator or disk, the double basket model 1245 with 12.5"-diameter baskets or model 1245D with combination of a front basket and 13"-diameter rear rolling cleated drum is ideal for maximum soil penetration, smoothing and leveling.

**Models 1645, 1645D** — Pages 2–8, specifications page 12.

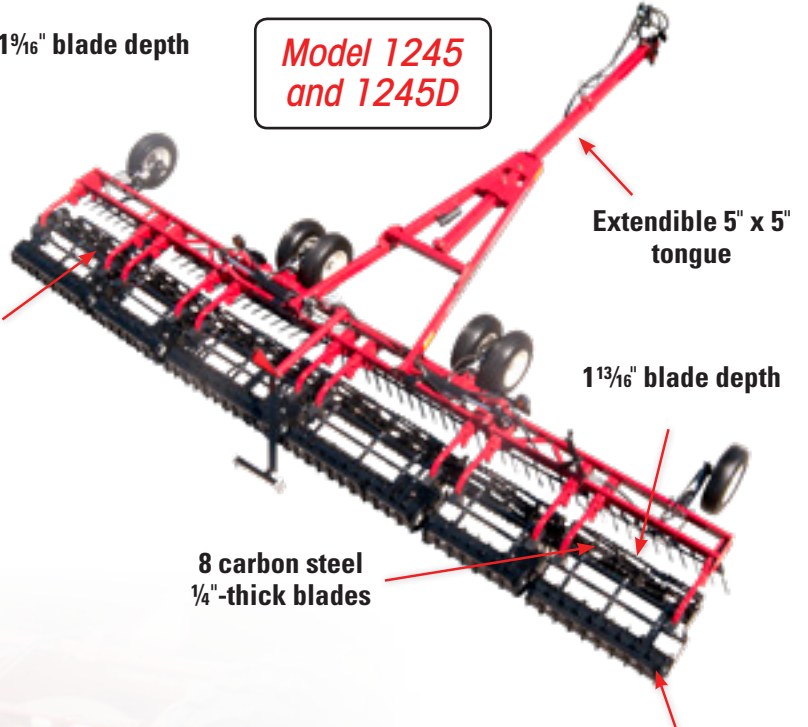
For higher-speed soil finishing behind vertical tillage tools, field cultivators and disks, the double basket 1645 or the model 1645D combination basket/drum design with 16"-diameter leading basket and trailing cleated rolling drum provides the best solution.

**Model 165** — Page 9, specifications page 10.

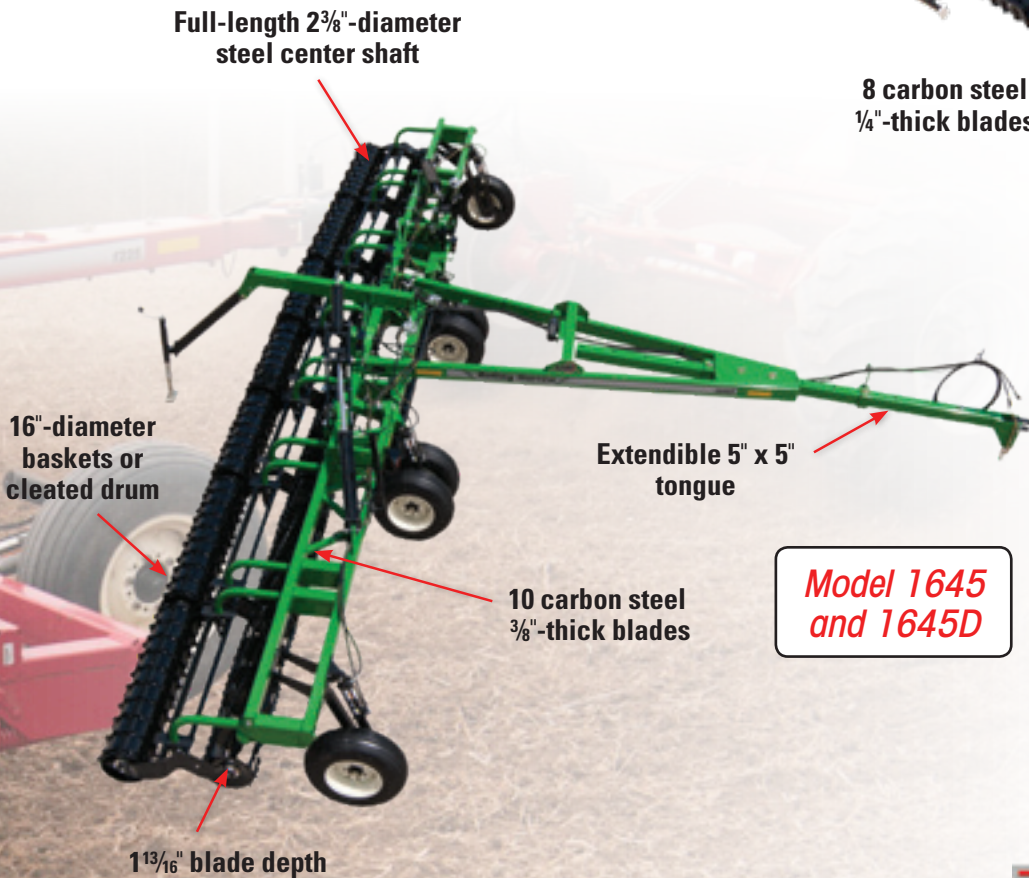
For conventional tillage in lighter soils, the model 165 Rolling Harrow conditioner with a single 16"-diameter basket delivers a lighter finishing touch.



**Model 225**



**Model 1245 and 1245D**



**Model 1645 and 1645D**





## One-Pass Soil Conditioning

### Exclusive Basket Design

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

- Robotically welded for the greatest manufacturing consistency and enhanced longevity
- Single-piece, high-carbon steel serrated blades for ideal tillage action
- Round center shaft for full-width basket support
- Reversible double-basket assembly for extra firming action in lighter soils
- High-clearance, arched and oscillating roller frame keeps both baskets or drums working the soil, even in the most extreme, rocky conditions
- Free-floating rollers allow the implement to follow the ground contours for optimum tillage leveling
- Models 1245, 1245D, 1645 and 1645D feature notched endplates and reinforcing discs positioned on 9"- to 12"-spacings for added soil penetration and durability
- Optional pin adjustment for the roller frame lets you tailor your tillage for either greater tillage action or greater firming action for your choice of leveling aggressiveness

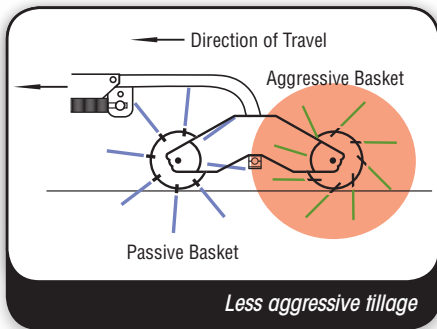
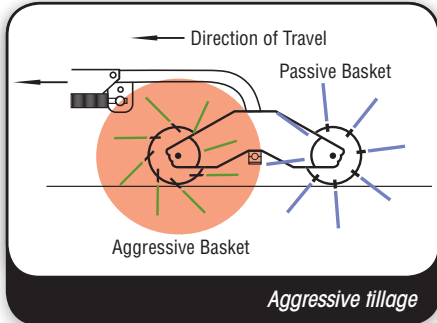
### Drum for Models 1245D and 1645D Features

- All-welded construction with staggered 1-1/2" cleats create channels in the soil for increased water absorption and reduced runoff and help drive the drum through the field
- Reversible scraper blades for keeping drum clean during operation
- Automatic hydraulic transport lock maintains drum ground clearance position while in transport on models with 15' bases and larger





## Rolling Harrow Baskets: *As Good As It Gets*



The aggressive lead roller on all Rolling Harrow soil conditioner models features spiraled pitched blades for maximum soil penetration and shattering, soil conditioning, residue and chemical mixing. The passive trailing roller on double-basket models features spiraled, straight blades that smooth and level the surface for quicker, more uniform germination and emergence.

The trailing cleated rolling drum on models 1245D and 1645D pushes down rocks and enhances soil firming in lighter soils.

Models 1645, 1645D, 1245 and 1245D are equipped with patented flanged, 4-bolt bearings with triple-lip seal and a square bore for withstanding tremendous side-load stresses during high-speed, high-acreage operation.

Model 225 features shielded bearings with triple-lip seals for blocking dirt and debris from entry for long life.

With a nearly 40-year, field-proven legacy, the Unverferth Rolling Harrow soil conditioner is available with many choices to meet your individual needs, including a high-gloss, powder-coat finish of either tractor red or green for a long-lasting new look.



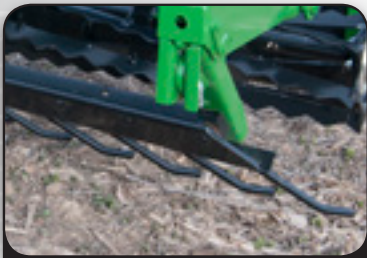
Patented flanged 4-bolt bearings on 1245, 1245D, 1645 and 1645D

Model 225 with shielded 3-bolt bearings





## Rolling Harrow *Model Features*



*Diagonal and curved round-tooth leveling bar*

- Up to 22" of ground clearance during transport while contributing little additional weight to the lead tillage tool for reduced stress and increased life
- Telescopic tongue for easily matching the turning radius of the lead implement
- Only one set of tractor hydraulics required; dual hoses and/or selector valves are optional for models up to 45'; two sets of hydraulics on 47' and larger models
- 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 contours
- Optional soil scraper kit for transport wheels for cleaner, more efficient operation



*Spike-tooth leveling bar*

## *Leveling Bars*

The optional leveling bar for models 225, 1245, 1245D and 165 bar knocks down ridges, leaving an even surface for the most effective conditioning possible. The bar features a tool-free, spring-pressure adjustment for fine-tuning aggressiveness, or it can be pinned up for high-residue fields.

### **Choices of leveling bars include:**

- Diagonal and curved round-tooth with heat-treated 3/4" x 12" teeth for heavier soils and moderate residue
- Spike-tooth with forged 3/4" x 11" diamond-shaped teeth for heavier soils with minimal residue
- Coil-tine with 3/8" x 17"-long spring tines for fields with lighter soils and heavy residue



*Coil-tine leveling bar*



*Arm pivot cover*



*Tool-free adjustable leveling bar*



*Tire soil scraper kit*





## ***Vertical Folding, Stack or Flat Folding, Cross Folding***

Rolling Harrow double-roller soil conditioners 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. Model with 47' to 63' widths 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*





## Hitch Options

Rolling Harrow soil conditioner tongue length 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 models 1245 and 1245D 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.

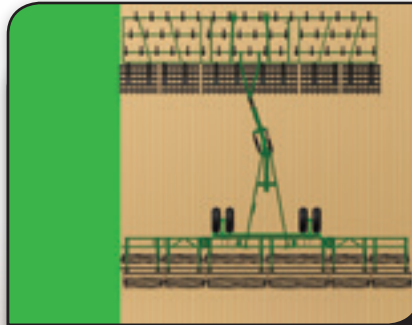
The gooseneck hitch option for 12' to 37' sizes of Rolling Harrow models 1245 and 1245D means even tighter turns at field ends. The hitch raises the tongue height by 2' to clear the field cultivator when turning and also lengthens the tongue by 2'.



*Hydraulically retractable tongue*



*Gooseneck hitch*



*Hydraulic-operated offset tongue*



*Gooseneck hitch*



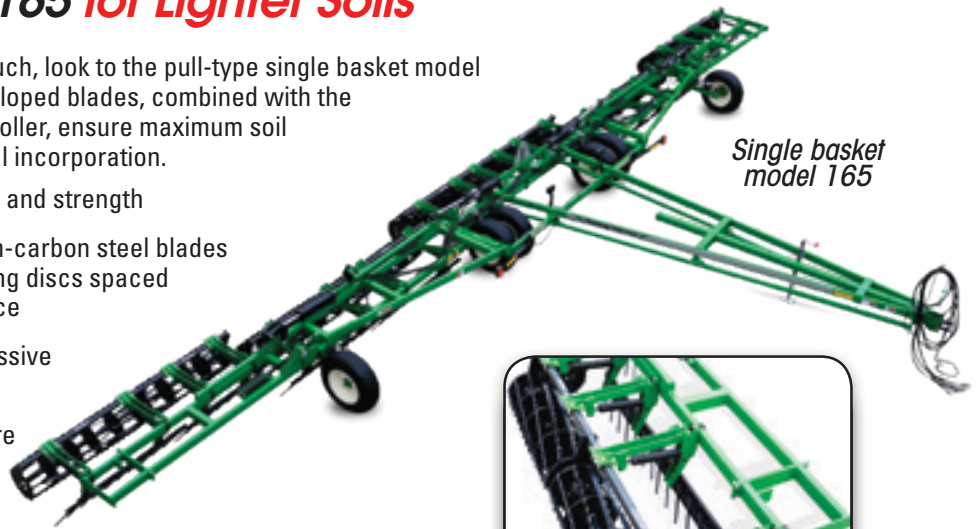
*Offset tongue for tillage at field edges*



## 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" 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
- Patented 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 curved and 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 tractor red or green



Single basket model 165



16" basket with 10 blades





**Rolling Harrow® Model 165**

					Width						
Working Width	Trans. Width	Trans. Height	Min Length	Max Length	Base	Wings	Mid Wing	End Wing	Tire Size	Fold Type	Approx. Weight
63'	16' 6"	15' 10"	32' 11"	41' 1"	15'	24'	13'	11'	11Lx15	5-Section	11,980 lbs.
61'	16' 6"	15' 10"	32' 11"	41' 1"	15'	23'	13'	10'	11Lx15	5-Section	11,580 lbs.
59'	16' 6"	14' 11"	32' 11"	41' 1"	15'	22'	12'	10'	11Lx15	5-Section	11,210 lbs.
57'	16' 6"	14' 11"	32' 11"	41' 1"	15'	21'	12'	9'	11Lx15	5-Section	10,830 lbs.
55'	16' 6"	14' 11"	32' 11"	41' 1"	15'	20'	11'	9'	11Lx15	5-Section	10,470 lbs.
53'	16' 6"	13' 11"	32' 11"	41' 1"	15'	19'	11'	8'	11Lx15	5-Section	10,080 lbs.
51'	16' 6"	13' 11"	32' 11"	41' 1"	15'	18'	11'	7'	11Lx15	5-Section	9,990 lbs.
50'	15' 7"	14'	25' 11"	31' 11"	12'	19'	10'	9'	9.5Lx15	5-Section	7,600 lbs.
48'	15' 7"	14'	25' 11"	31' 11"	12'	18'	10'	8'	9.5Lx15	5-Section	7,545 lbs.
46'	15' 7"	14'	25' 11"	31' 11"	12'	17'	10'	7'	9.5Lx15	5-Section	7,485 lbs.
44'	15' 7"	14'	25' 11"	31' 11"	12'	16'	10'	6'	9.5Lx15	5-Section	7,425 lbs.
42'	15' 7"	14'	25' 11"	31' 11"	12'	15'	10'	5'	9.5Lx15	5-Section	7,365 lbs.
40'	15' 7"	14'	25' 11"	31' 11"	12'	14'	10'	4'	9.5Lx15	5-Section	7,305 lbs.
38'	15' 7"	14'	25' 11"	31' 11"	12'	13'	10'	3'	9.5Lx15	5-Section	7,265 lbs.
36'	15' 7"	15' 9"	18' 5"	26' 5"	12'	12'	-	12'	9.5Lx15	3-Section	6,865 lbs.
34'	15' 7"	14' 9"	18' 5"	26' 5"	12'	11'	-	11'	9.5Lx15	3-Section	6,785 lbs.
32'	15' 7"	13' 9"	18' 5"	26' 5"	12'	10'	-	10'	9.5Lx15	3-Section	6,000 lbs.
30'	15' 7"	12' 9"	18' 5"	26' 5"	12'	9'	-	9'	9.5Lx15	3-Section	5,800 lbs.
28'	15' 7"	11' 9"	18' 5"	26' 5"	12'	8'	-	8'	9.5Lx15	3-Section	5,500 lbs.
26'	15' 7"	10' 9"	18' 5"	26' 5"	12'	7'	-	7'	9.5Lx15	3-Section	5,200 lbs.
24'	15' 7"	9' 9"	18' 5"	26' 5"	12'	6'	-	6'	9.5Lx15	3-Section	4,850 lbs.
12'	12'	-	18' 5"	26' 5"	12'	-	-	-	9.5Lx15	-	2,200 lbs.

\* With leveled tongue



## Rolling Harrow® Models 225, 1245, 1245D

Working Width	Fold Type	Trans. Width	Trans. Height*	Min Length	Max Length	Width				225		1245		1245D	
						Base	Wing Total	Mid Wing	End Wing	Tire Size	Approx. Weight w/ Harrow	Tire Size	Approx. Weight w/ Harrow	Tire Size	Approx. Weight w/ Harrow
63'	Vertical 5-Sec.	16' 6"	15' 10"	32' 11"	41' 1"	15'	24'	13'	11'	-	-	11L x 15	13,042 lbs.	11L x 15	14,850 lbs.
61'	Vertical 5-Sec.	16' 6"	15' 10"	32' 11"	41' 1"	15'	23'	13'	10'	-	-	11L x 15	12,624 lbs.	11L x 15	14,370 lbs.
59'	Vertical 5-Sec.	16' 6"	14' 11"	32' 11"	41' 1"	15'	22'	12'	10'	-	-	11L x 15	12,156 lbs.	11L x 15	13,862 lbs.
57'	Vertical 5-Sec.	16' 6"	14' 11"	32' 11"	41' 1"	15'	21'	12'	9'	-	-	11L x 15	11,768 lbs.	11L x 15	13,415 lbs.
55'	Vertical 5-Sec.	16' 6"	13' 11"	32' 11"	41' 1"	15'	20'	11'	9'	-	-	11L x 15	11,385 lbs.	11L x 15	12,970 lbs.
53'	Vertical 5-Sec.	16' 6"	13' 11"	32' 11"	41' 1"	15'	19'	11'	8'	-	-	11L x 15	10,972 lbs.	11L x 15	12,492 lbs.
51'	Vertical 5-Sec.	16' 6"	13' 11"	32' 11"	41' 1"	15'	18'	11'	7'	-	-	11L x 15	10,864 lbs.	11L x 15	12,340 lbs.
49'	Vertical 5-Sec.	16' 6"	13' 11"	32' 11"	41' 1"	15'	17'	11'	6'	-	-	11L x 15	10,146 lbs.	11L x 15	11,564 lbs.
47'	Vertical 5-Sec.	16' 6"	13' 11"	32' 11"	41' 1"	15'	16'	11'	5'	-	-	11L x 15	9,968 lbs.	11L x 15	11,325 lbs.
45'	Cross	16'	13' 4"	24' 2"	32' 4"	15'	15'	-	15'	-	-	9.5L x 15	8,880 lbs.	9.5L x 15	10,176 lbs.
43'	Cross	16'	12' 10"	24' 2"	32' 4"	15'	14'	-	14'	-	-	9.5L x 15	8,597 lbs.	9.5L x 15	9,830 lbs.
41'	Cross	16'	12' 6"	24' 2"	32' 4"	15'	13'	-	13'	-	-	9.5L x 15	8,314 lbs.	9.5L x 15	9,485 lbs.
40'	Cross	13' 6"	14'	23' 2"	31' 2"	12'	14'	-	14'	-	-	9.5L x 15	7,850 lbs.	9.5L x 15	8,990 lbs.
39'	Cross	16'	12'	24' 2"	32' 4"	15'	12'	-	12'	-	-	9.5L x 15	7,806 lbs.	9.5L x 15	8,936 lbs.
38'	Cross	13' 6"	13' 7"	23' 2"	31' 2"	12'	13'	-	13'	-	-	9.5L x 15	7,452 lbs.	9.5L x 15	8,530 lbs.
37'	Stack	16' 5"	11'	19' 5"	30' 5"	15'	11'	-	11'	7.60 x 15	5,425 lbs.	9.5L x 15	5,810 lbs.	9.5L x 15	6,880 lbs.
36'	Cross	13' 6"	13' 1"	23' 2"	31' 2"	12'	12'	-	12'	-	-	9.5L x 15	7,444 lbs.	9.5L x 15	8,480 lbs.
35'	Stack	16' 2"	9' 9"	19' 5"	30' 5"	15'	10'	-	10'	7.60 x 15	4,952 lbs.	9.5L x 15	5,305 lbs.	9.5L x 15	6,313 lbs.
34'	Cross	13' 6"	12' 7"	23' 2"	31' 2"	12'	11'	-	11'	7.60 x 15	5,120 lbs.	9.5L x 15	6,671 lbs.	9.5L x 15	7,648 lbs.
33'	Stack	16'	8' 9"	19' 5"	30' 5"	15'	9'	-	9'	7.60 x 15	4,812 lbs.	9.5L x 15	5,155 lbs.	9.5L x 15	6,100 lbs.
32'	Cross	13' 6"	12' 1"	23' 2"	31' 2"	12'	10'	-	10'	9.5L x 15	4,820 lbs.	9.5L x 15	6,280 lbs.	9.5L x 15	7,195 lbs.
31'	Stack	15' 11"	8' 1"	19' 5"	30' 5"	15'	8'	-	8'	7.60 x 15	4,603 lbs.	9.5L x 15	4,935 lbs.	9.5L x 15	5,818 lbs.
30'	Stack	13' 5"	10' 6"	19' 5"	30' 5"	12'	9'	-	9'	7.60 x 15	4,470 lbs.	9.5L x 15	4,790 lbs.	9.5L x 15	5,655 lbs.
29'	Flat	15' 5"	5' 11"	19' 1"	30' 1"	15'	7'	-	7'	7.60 x 15	4,414 lbs.	9.5L x 15	4,730 lbs.	9.5L x 15	5,568 lbs.
28'	Stack	13' 5"	9' 6"	19' 5"	30' 5"	12'	8'	-	8'	7.60 x 15	4,131 lbs.	9.5L x 15	4,425 lbs.	9.5L x 15	5,225 lbs.
27'	Flat	15' 5"	5' 11"	19' 1"	30' 1"	15'	6'	-	6'	7.60 x 15	4,268 lbs.	9.5L x 15	4,575 lbs.	9.5L x 15	5,356 lbs.
26'	Stack	13' 2"	8' 6"	19' 5"	30' 5"	12'	7'	-	7'	7.60 x 15	3,993 lbs.	9.5L x 15	4,280 lbs.	9.5L x 15	5,035 lbs.
25'	Flat	15' 5"	5' 11"	19' 1"	30' 1"	15'	5'	-	5'	7.60 x 15	3,796 lbs.	9.5L x 15	4,065 lbs.	9.5L x 15	4,785 lbs.
24'	Flat	12' 5"	5' 11"	19' 1"	30' 1"	12'	6'	-	6'	7.60 x 15	3,814 lbs.	9.5L x 15	4,085 lbs.	9.5L x 15	4,783 lbs.
23'	Flat	15' 5"	5' 11"	19' 1"	30' 1"	15'	4'	-	4'	7.60 x 15	3,666 lbs.	9.5L x 15	3,930 lbs.	9.5L x 15	4,588 lbs.
22'	Flat	12' 5"	5' 11"	19' 1"	30' 1"	12'	5'	-	5'	7.60 x 15	3,342 lbs.	9.5L x 15	3,580 lbs.	9.5L x 15	4,217 lbs.
21'	Flat	15' 5"	5' 11"	19' 1"	30' 1"	15'	3'	-	3'	7.60 x 15	3,528 lbs.	9.5L x 15	3,780 lbs.	9.5L x 15	4,395 lbs.
20'	Flat	12' 5"	5' 11"	19' 1"	30' 1"	12'	4'	-	4'	7.60 x 15	3,212 lbs.	9.5L x 15	3,445 lbs.	9.5L x 15	4,020 lbs.
18'	Flat	12' 5"	5' 11"	19' 1"	30' 1"	12'	3'	-	3'	7.60 x 15	3,074 lbs.	9.5L x 15	3,295 lbs.	9.5L x 15	3,825 lbs.
15'	Rigid	15' 5"	-	19' 1"	30' 1"	15'	-	-	-	7.60 x 15	2,568 lbs.	9.5L x 15	2,750 lbs.	9.5L x 15	3,185 lbs.
12'	Rigid	12' 5"	-	19' 1"	30' 1"	12'	-	-	-	7.60 x 15	2,135 lbs.	9.5L x 15	2,290 lbs.	9.5L x 15	2,640 lbs.

\* With leveled tongue



## Rolling Harrow® Models 1645, 1645D

									Model 1645			Model 1645D		
Working Width	Fold Type	Trans. Width	Trans. Height*	Min Length	Max Length	Base Width	Wing Width	Outlets Req'd	Tire Size	Approx weight	Wing Lift Wheels	Tire size	Approx Weight	Wing Lift Wheels
55'	5-Sec.	16' 6"	14' 4"	32' 1"	41' 1"	15'	20'	Dual	11L x 15	13,400 lbs.	Std.	11L x 15	14,300 lbs.	Std.
53'	5-Sec.	16' 6"	14' 4"	32' 1"	41' 1"	15'	19'	Dual	11L x 15	12,900 lbs.	Std.	11L x 15	13,800 lbs.	Std.
51'	5-Sec.	16' 6"	14' 4"	32' 11"	41' 1"	15'	18'	Dual	11L x 15	12,500 lbs.	Std.	11L x 15	13,500 lbs.	Std.
49'	5-Sec.	16' 6"	14' 4"	32' 11"	41' 1"	15'	17'	Dual	11L x 15	11,800 lbs.	Std.	11L x 15	12,600 lbs.	Std.
47'	5-Sec.	16' 6"	14' 4"	32' 11"	41' 1"	15'	16'	Dual	11L x 15	11,500 lbs.	Std.	11L x 15	12,300 lbs.	Std.
45'	Cross	16'	14' 3"	24' 2"	32' 4"	15'	15'	Single	9.5L x 15	10,450 lbs.	Std.	9.5L x 15	11,610 lbs.	Std.
43'	Cross	16'	13' 8"	24' 2"	32' 4"	15'	14'	Single	9.5L x 15	10,115 lbs.	Std.	9.5L x 15	11,240 lbs.	Std.
41'	Cross	16'	13' 4"	24' 2"	32' 4"	15'	13'	Single	9.5L x 15	9,785 lbs.	Std.	9.5L x 15	10,870 lbs.	Std.
40'	Cross	14' 5"	14' 3"	23' 2"	33' 10"	12'	14'	Single	9.5L x 15	9,130 lbs.	Std.	9.5L x 15	10,060 lbs.	Std.
39'	Cross	16'	12'	24' 2"	32' 4"	15'	12'	Single	9.5L x 15	9,185 lbs.	Std.	9.5L x 15	9,995 lbs.	Std.
38'	Cross	14' 5"	13' 6"	23' 2"	33' 10"	12'	13'	Single	9.5L x 15	8,870 lbs.	Std.	9.5L x 15	9,775 lbs.	Std.
36'	Cross	14' 5"	13' 6"	23' 2"	33' 10"	12'	12'	Single	9.5L x 15	8,615 lbs.	Std.	9.5L x 15	9,485 lbs.	Std.
34'	Cross	14' 5"	13' 6"	23' 2"	33' 6"	12'	11'	Single	9.5L x 15	8,470 lbs.	Std.	9.5L x 15	9,305 lbs.	Std.
32'	Cross	14' 5'	13' 6"	23' 2"	32' 11"	12'	10'	Single	9.5L x 15	8,325 lbs.	Opt.	9.5L x 15	9,130 lbs.	Std.
30'	Cross	14' 5"	13' 4"	23' 2"	32' 5"	12'	9'	Single	9.5L x 15	8,085 lbs.	Opt.	9.5L x 15	9,040 lbs.	Std.
28'	Cross	14' 5"	11' 8"	23' 2"	32'	12'	8'	Single	9.5L x 15	7,915 lbs.	Opt.	9.5L x 15	8,860 lbs.	Std.
26'	Cross	14' 5'	11' 4"	23' 2"	31' 8"	12'	7'	Single	9.5L x 15	7,780 lbs.	Opt.	9.5L x 15	8,450 lbs.	Std.

\* With leveled tongue

**To learn more about the Rolling Harrow soil conditioner and making your tillage as good as it gets, visit your nearest Unverferth dealer, or [umequip.com](http://umequip.com) for details.**

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

**Unverferth**  
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