

HAY RAKES

TWINRAKES | DURABULL® RAKE WHEELS | WHEEL RAKES



Vermeer



Looking for a fast, easy way to produce great-looking bales?

Get yourself a **quality** rake!

R2800 TwinRake



Hydraulic control on demand with cab-mounted Command II Monitor. Raking widths, windrow widths, basket lift and folding/unfolding systems are all controlled from the tractor seat on the R2800.



Hydraulic windrow width control allows you to match the windrow to your baler pickup – from 2.5' to 7' in width. (3' to 6' on the R2300.)

Rear tires can be located inside or outside the mainframe depending on raking requirements.

Hydraulic basket lift, up to 14" front and rear, enables you to clear raked end rows.

Large caster-type wheels (STR205/75R14 Radial on the R2800; 27 x 9.50 x 15 on the R2300) cushion the ride and smooth out turns over changing terrain.

High capacity. Smooth, quiet, gentle handling. Speed. Reliability. Whether you're baling 100 acres or 1,000 acres, Vermeer TwinRakes are built to last and designed to handle most kinds of heavy crops, rugged

conditions and tight schedules. And when the raking's done, they're road ready – with transport widths as narrow as 8' 6". These are the rakes that keep on running and maintain their value long after others have worn out.

R2800 | R2300 TWINRAKES

The answer to great-looking bales lies in the windrows you prepare. The better they're formed, the easier they bale; and, in the end, the greater the feed value of the package you harvest. That's why custom operators and large producers prefer hydraulically-powered TwinRakes from Vermeer®.

These ruggedly-built, wide-swath units increase speed and capacity, but more importantly, they produce adjustable windrows perfectly matched to baler pickups.

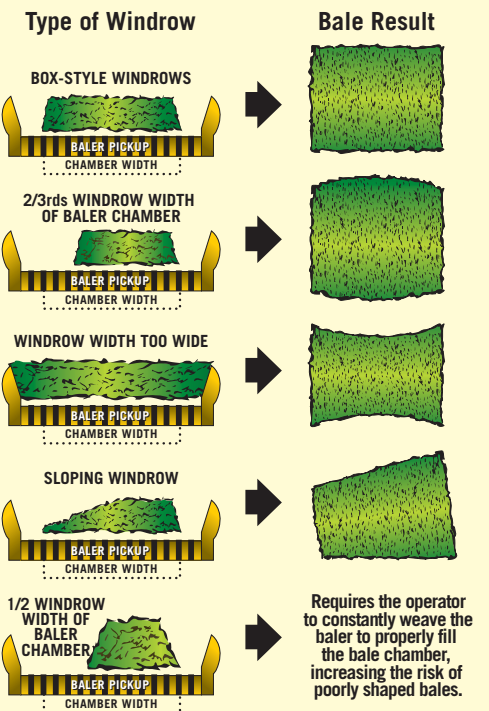
BOTTOM LINE: Clean, consistent, uniform windrows and great-looking bales. Get yourself a quality-built Vermeer TwinRake today! Because the better you rake, the better you bale.

Vermeer R2800 TwinRake:

- ▶ 19' - 28' raking widths
- ▶ 2' 6" - 7' adjustable windrows
- ▶ Hydraulic windrow width control
- ▶ Hydraulic raking width control
- ▶ Hydraulic basket lift
- ▶ Hydraulic fold/unfold
- ▶ Narrow 8' 6" transport width

Creating the ideal windrow for large bales.

Custom-shaped windrows, produced by Vermeer TwinRakes, are evenly distributed into consistent box-style shapes. And, they can actually help you become a better baler operator by eliminating the "slopes," "pyramids," and undersized or oversized windrows which frustrate even some of the best operators around.



Right from the tractor seat!

The R2800 TwinRake folds – at any windrow width setting – for easy transport and set up when going from field to field.



TwinRakes

Twin 6-bar baskets
(7-bar on R2800)
mean better sweeping
action! Rubber-
mounted tines reduce
replacement costs.

R2300 TwinRake

**Large-capacity
TwinRakes save time**
... and adjustable raking widths make
it ideal for serious hay producers.

Low-friction nylon basket
hanger bushings.

RAKINGS WIDTHS:
R2800: 19' - 28'
R2300: 18' - 23'

**Heavy built.
Low maintenance.**
Features a rugged
frame, with round
cross-section toolbar.
Grease-free
windrow width slide
adjustments.

**Optional basket
speed control**
lets you adjust raking
action to crop and field
conditions independent
of ground speed.

**Hydraulic windrow
width control**
allows you to match
windrows to your baler
pickup — from 3' to 6'.
(2.5' to 7' on the R2800.)

The classic Vermeer R2300 is built for efficiency and convenience. It gets you in and out of a field fast. You won't need to leave the tractor seat since you can hydraulically adjust raking widths from 18 to 23 feet or hydraulically adjust windrow widths from 3 to 6 feet to accommodate different crops, haying conditions and to produce the right windrow for your baler's pickup width.



TWINRAKE SPECIFICATIONS

What's the key to great looking bales? The right kind of windrows; windrows that accommodate your pickup width, as well as weather and environmental conditions. By utilizing the R2300/2800 basket rake adjustment (shown, at right) you can easily customize your windrows based on the kind of conditions you're working in — from fluffy to tightly rolled. How do you do it? Simply follow these tips:



SITUATION: Lots of hay down; short on time; low humidity causing hay to dry out too quickly, causing excessive leaf loss.

SOLUTION: Adjust the suspension rod(s) of the R2300/R2800 basket angle to "push" or "roll" hay into a tight windrow so air doesn't penetrate and your hay doesn't blow around on windy days.



SITUATION: Cloudy skies; high humidity; hay not drying well.

SOLUTION: Adjust the suspension rod(s) of the R2300/R2800 basket angle to toss the hay into a loose, fluffy windrow for greater airflow.



Vermeer R2300 TwinRake:

- ▶ 18' - 23' raking widths
- ▶ 3' - 6' adjustable windrows
- ▶ Hydraulic windrow width control
- ▶ Hydraulic raking width control
- ▶ Optional basket speed control
- ▶ Mechanical basket height adjustment
- ▶ Hydraulic fold/unfold
- ▶ Narrow 8' 5" transport width

DIMENSIONS

Transport Height
Operating Height
Transport Width
Transport Length
Weight (lbs)

R 2300

5' 6" (1.74 m)
5' 6" (1.74 m)
8' 5" (2.64 m)
22' (6.82 m)
3220 lbs (1460 kg)

R 2800

6' 11" (2.11 m)
6' 11" (2.11 m)
8' 6" (2.59 m)
24' 9" (7.54 m)
4540 lbs (2059 kg)

SPECIFICATIONS

Windrow Widths (var.)
Raking Widths (var.)

3' 0" - 6' 0"
(91 cm - 183 cm)

2' 6" - 7' 0"
(70 cm - 210 cm)

Minimum HP Req.

35 hp (26 kW)

70 hp (52kW)

Maximum Speed

Up to 10 mph
(16 km/hr)

Up to 10 mph
(16 km/hr)

Hydraulic Requirements

Two sets of remotes
Minimum flow: 8 gpm

Two sets of remotes
Minimum flow: 8 gpm

Required pressure:

1800 psi

1800 psi

ELECTRICAL REQUIREMENTS

12 VDC
with optional
highway lights

12 VDC
with optional
highway lights

STD. FEATURES

Drive System
Main Frame

Hydraulic
4" x 6"
(10 cm x 15 cm)

Hydraulic
5" x 7"
(13 cm x 18 cm)

BASKET:

Number of Bars
Number of Tines/Basket

6-bar (2 baskets)
240, rubber-mounted
(20 tines per bar,
120 tines per basket)

7-bar (2 baskets)
364, rubber-mounted
(26 tines per bar,
182 tines per basket)

TIRES: Front:
Rear:

STR205/75R14 Radial
STR205/75R14 Radial

27 x 9.50 x 15
11L - 15

OPTIONS:

Highway Lights
Basket Speed Control
Safety Chain
Extended Limited Warranty
Electric/Hydraulic Valve Kit

Highway Lights
Safety Chain
Single Side Raking
Electric/Hydraulic Valve Kit

WRX Crop-Driven Wheel Rakes

Cover more acres in less time. Rake cleaner fields with less wear and tear to your rake. These are the rakes built to handle heavy amounts of hay at high ground speeds ... with more wheels on the

ground for better handling, and less scuffing ... hydraulic lift and fold/unfold systems for fast, easy transport ... and DuraBull Rake Wheels (standard on WRX 12/14 models) for heavier crops.

Vermeer WRX16: Introducing new higher level of raking performance and durability!



RAKING WIDTHS
WRX12 — 24' 8"
WRX14 — 28' 0"
WRX16 — 32' 0"

4-bar parallel linkage on rear of slide mechanism increases support and flexibility.



Rear-mounted wheel rakes complete the windrow after it passes through the rear of the frame. This creates better flow and reduces the amount of confinement to the windrow in its final stage of forming.

Rugged construction!
6" x 8" cross frame;
5/16" wall thickness.

From transport to field-ready in seconds!



Vermeer WRX12/14

High-capacity raking with optional flex frame (WRX14 only) adjusts with the contour of the land.
8' 2" transport widths. 17" rake wheel clearance.

Optional 2-wheel splitter system turns the center windrow. Parallel linkage and fully articulated toolbars mean better handling on contours and uneven terrain.

An adjustable, telescoping central drawbar shortens operating distance from the tractor to the rake for added strength and maneuverability.

Simple windrow width swivel adjustment (WRX12) makes it easy to set your windrows for different baler pickup widths.

Optional caster-style wheels mean less scuffing on tight turns.



WRX18/20

Wheel Rakes

EXCLUSIVE VERMEER DURABULL®
REPLACEMENT RAKE WHEELS

New, Giant 18 Wheel & 20 Wheel Rakes!

High flex frames ... simple, easy adjustments ... 35' 4" and 39' 0" raking capacities.

Seven wheels on the ground!
Includes an exclusive, center-beam-support "bogie" wheel to significantly improve overall stability and durability of the frame.



An optional rake wheel extension kit, mounted on the front of the frame, lets you add extra rake wheels (from 18 to 20), and another 3' 8" (maximum) to your overall raking width.

4-bar parallel linkage on the rear of sliding mechanism.

Caster-style wheels offer better maneuverability; reduce "scuffing" on tight turns.

Simple adjustable turnbuckle makes it easy to change windrow widths.

Optional two-wheel splitter system turns downed crop material in the center of the swath.

Ruggedly-built ... with a highly flexible frame. Centrally located pivot points along the toolbar verically flex 10° for greater contour-hugging capabilities, easier handling and drafting. Central drawbar shortens during the raking operation for added strength and stability.

Rake With The Bull!



In first cuttings. In heavy crops. In higher moistures. In rugged conditions. No problem with optional DuraBull® Rake Wheels.

These are the ones that deliver clean raking action, in rugged, uneven terrain. The heavy-duty, 7mm-thick, camber bend tines are 20% to 40% larger than traditional tines with sharp bend angles.

Take a test drive. Replace your existing rake wheels with the new DuraBull® Rake Wheels ... and discover the difference! Tine replacement is quick and easy! No clumsy tooth/clip/bolt combinations to repair. The double tines require just one bolt. Double center hubs and larger outer hoops increase tine support.

DuraBull® Replacement Rake Wheels are available in complete replacement rake wheel sets or as individual tine replacement kits with the outer hoop; and they're interchangeable with most rakes on the market including Case IH, Enrossi, Gehl, H&S, Hesston, John Day, John Deere, Lely, M&W, White, New Holland, New Idea, Sitrex and Tonutti.

Contact your local Vermeer Dealer today at www.vermeerag.com (under dealer locator) or call 800-370-3659 to learn more about The DuraBull® Difference.



WR20/22/24 Crop-Driven Wheel Rakes

CROP-DRIVEN WHEEL RAKES

Simple. Gentle. Reliable. Economical. Crop-driven fingerwheels gently sweep the crop into light, fluffy windrows. A simple turnbuckle lets you vary fingerwheel angles to handle various crops and conditions. Hydraulic fold/unfold.

Eight, ten and twelve rake wheel models with an optional center wheel for more thorough raking.

Raking widths:
WR-20 – 17' 4" - 18' 0"
WR-22 – 20' 6" - 20' 10"
WR-24 – 23' 4" - 23' 9"

Simple, center-mounted fold mechanism hydraulically raises rake arms for transport.



Rake arms are positioned infinitely along the trolley-type frame. Extra-wide wheelbase provides added stability.

Shock absorbing suspension springs (on each rake arm) help soften the jolts and impacts from rough ground.



From field to transport in seconds!

Rebel[®] Series

WR220 Crop-Driven Wheel Rake

REBEL[®] WR220 FEATURES

Introducing both 8 and 10 wheel rake capacities – on the same frame – by simply pivoting the front rake wheel on each side up or down. Dual rake assemblies float, pivot and create fluffy windrows for big bale systems. The crop-driven fingerwheels feature heavy-duty, sealed roller bearings for long wear and reduced maintenance. Highly flexible, tightly spaced tines (40 per wheel) gently sweep the crop toward the center at operating speeds up to 14 mph.



Choose 10 Wheel or 8 Wheel setups. Select by pivoting the extra wheel on the front of each frame up or down. Maximum 17'4" raking widths with 8 wheels; 20' 10" with 10 wheels. Transport width is just 11' 2".



Easy to operate. Simple to adjust. Hydraulically convert from field to transport in seconds. Just a minimum 20HP tractor required.

Shock absorbing suspension springs, mounted on each rake arm, help soften jolts and impacts from rough terrain. Extra-wide wheelbase adds stability.



RR150 Rotary Rake

ROTARY RAKE FEATURES

The RR150 creates windrows that provide continued airflow for optimal forage management. This side delivery rake offers clean sweeping, clean windrows and is ideal for haying operations looking for versatility. Operators can select the volume of hay per windrow; one pass across the field for heavy crop conditions or lighter crops combined in two or more passes.

Adjustable rake height

Radial pin driveline clutch

Full 360° degree guarding

Walking tandem axles
and robust gearbox
design



Hydraulic lift and tilt



Single pin gearbox cam adjustment to adjust windrow formation for a variety of crop conditions



Removable tine carriers (with storage location) for narrow transport



Flip up protection frame for narrow transport

WR / WRX Specifications

	WRX 12	WRX 14	WRX 16	WRX 18	WRX 20
DIMENSIONS:					
Weight:	3,720 lbs. (1687 kg)	4,070 lbs. (1846 kg)	4,290 lbs. (1,950 kg)	5,288 lbs. (2,403 kg)	5,808 lbs. (2,640 kg)
Rear Frame Clearance Height:	4' 2" (1.27 m)	4' 2" (1.27 m)	4' 2" (1.27 m)	4' 2" (1.27 m)	4' 2" (1.27 m)
Rake Wheel Lift Clearance Height:	17" (43 cm)	17" (43 cm)	17" (43 cm)	17" (43 cm)	17" (43 cm)
Transport Width:	8' 2" (2.49 m)	8' 2" (2.49 m)	10' 0" (3.05 m)	10' 0" (3.05 m)	10' 0" (3.05 m)
Working Width:	24' 8" (7.52 m)	28' 0" (8.53 m)	32' (9.8 m)	35' 4" (10.8 m)	39' 0" (11.9 m)
Windrow Width:	3' - 6' (91 cm - 183 cm)	3' - 6' (91 cm - 183 cm)	3' - 6' (91 cm - 183 cm)	3' - 6' (91 cm - 183 cm)	3' - 6' (91 cm - 183 cm)
Transport Length:	30' 2" (9.19 m)	30' 2" (9.19 m)	34' 2" (10.42 m)	35' (10.8 m)	35' (10.8 m)
Working Length:	24' 6" (7.37 m)	24' 6" (7.37 m)	25' 0" (7.6 m)	25' 8" (7.9 m)	25' 8" (7.9 m)
SPECIFICATIONS:					
Rake Wheels	12	14	16	18	20
Minimum HP Requirements:	35 hp (26 kW)	35 hp (26 kW)	40 hp (30 kW)	40 hp (30 kW)	40 hp (30 kW)
Minimum Hydraulic Pressure:	1,200 psi	1,200 psi	1,200 psi	1,200 psi	1,200 psi
Maximum Speed	14 mph (22km/h)	14 mph (22km/h)	14 mph (22 km/h)	14 mph (22km/h)	14 mph (22km/h)
Minimum Required Tractor Weight	3,600 lbs. (1636)	3,600 lbs. (1636)	2,600 lbs. (1,182 kg)	2,400 lbs. (1,091 kg)	2,400 lbs. (1,091 kg)
Hydraulic Requirements:	Two sets of remote outlets required for lift and fold				
TIRES:	205/60-15 (4)	205/60-15 (4 additional; 2 opt'l)	205/60-15 (4 additional; 2 opt'l)	205/60-15 (7)	205/60-15 (7)
OPTIONS:	Flex frame (WRX14 only); DuraBull® Rake Wheels (standard on WRX12 and WRX14 models); dual center kicker wheels; front caster-style ground wheels (on WRX12/16 only); wind discs (to reduce windblown hay when raking.)				

	WR20	WR22	WR24	REBEL® WR220
DIMENSIONS:				
Transport Height	9' 4" (2.84 m)	10' 0" (3.05 m)	10' 8" (3.25 m)	9' 4" (2.84 m)
Transport Width	10' 6" (3.20 m)	11' 10" (3.61 m)	13' 0" (3.96 m)	11' 10" (3.38 m)
Transport Length	16' 2" (4.93 m)	17' 6" (5.33 m)	18' 10" (5.74 m)	16' 2" (4.93 m)
Weight	1,038 lbs (471 kg)	1,174 lbs (533 kg)	1,386 lbs (629 kg)	1,174 lbs. (534 kg)
SPECIFICATIONS:				
Windrow Widths	3' - 6' (91 cm - 183 cm)	3' - 6' (91 cm - 183 cm)	3' - 6' (91 cm - 183 cm)	4' - 6' (122 cm - 183 cm)
Raking Width				
- Minimum	17' 4" (5.28 m)*	20' 6" (6.25 m)	23' 4" (7.11 m)	17' 4" (5.28 m)
- Maximum	18' 0" (5.48 m)*	20' 10" (6.35 m)	23' 9" (7.24 m)	20' 10" (6.35 m)
Rake Wheels	Eight (8) - 56" diameter	Ten (10) - 56" diameter	Twelve (12) - 56" diameter	Ten to Eight (10-8) - 56" diameter
Minimum HP Req.	20 hp (15 kW)	20 hp (15 kW)	25 hp (19 kW)	20 hp (15kW)
Maximum Speed	14 mph	14 mph	14 mph	14 mph
Hydraulic Requirements	One set of remote outlets; 1,000 psi @ 6 gpm			
STANDARD FEATURES:				
Drive System	8 crop-driven rake wheels	10 crop-driven rake wheels	12 crop-driven rake wheels	10 or 8 crop-driven rake wheels;
Tires	P175/70-R14 (2)	P175/70-R14 (2)	P175/70-R14 (2)	two (2) P175/70-R14 radial tires;
Others	4" x 4" square channel frame; hydraulic fold; variable raking and windrow widths; pivoting rake arms; adjustable "floating" fingerwheels with 40 high-flex tines; SMV sign			2.5" x 10" lift cylinder; flotation spring and adjustable windrow width settings; SMV sign
OPTIONS:	DuraBull® Rake Wheels; safety chain; center wheel			

	RR150
DIMENSIONS:	
Transport width	91" (2.31m)
Transport height	108" (2.74m)
Transport length	228" (5.79m)
Weight (total)	1,880 lbs. (854kg)
Weight (tongue)	280 lbs. (127kg)
Rotor Diameter	151" (3.83m)
Machine Width	201" (5.10m)
SPECIFICATIONS:	
Windrow Width	up to 30" (0.76m) single pass
Raking Width	Up to 181" (4.60m) (rotor & windrow width)
Minimum HP Req.	35 hp (26 kW)
PTO Output	540 rpm
STANDARD FEATURES:	
Tires	16 x 6.50 - 8
Swath positioning:	Left
# of rotors:	1
Tine carriers / rotor:	13
Double Tines / Tine carrier:	4
HYDRAULIC REQUIREMENTS:	2 pair auxiliary outlets required
Working pressure:	1,500 psi min.
Flow:	4 gpm min.

Check Out the Complete Line of Vermeer Hay Tools!

ROUND BALERS | HAY RAKES | MOWERS | MOWER CONDITIONERS | BALE PROCESSORS | TEDDERS



Innovative solutions and solid answers based on experience in the real world.

Every crop and every field condition presents challenges different from those of last year, your last cutting, or last night. We understand the costs, pressures and tight schedules hay producers face today. And, we operate with the premise that parts and service support doesn't help tomorrow when you're in the field today. When it's time to make hay, it's time to make hay.

For more than 35 years, we have specialized in the production of machines to harvest and manage hay. We pioneered the first big round balers, introduced hydraulic twin-basket hay rakes – and recently – innovative mowers,

mower conditioners and bale processors. We constantly strive to improve these products and invent new ones.

Our goal is to be your primary resource in the field and through our product support service teams. Our mission is to provide you with a level of experience and expertise that goes far beyond product knowledge, sales training and financing programs. For us, hay equipment is not a sideline; it's our main line ... one supported with parts, fast service and a straight-talk approach that has made Vermeer hay equipment customers some of the most loyal in the industry.

And you can tour one of the most sophisticated, high-tech manufacturing operations in the world, with roughly 1.5 million square feet under roof. We're headquartered in America's heartland (Pella, Iowa) ... family-owned ... founded in 1948 ... and manufacture and market roughly 125 different agricultural and industrial products worldwide.



Vermeer Manufacturing reserves the right to make changes in engineering, design, and specifications, add improvements, or discontinue manufacture at any time without notice or obligation. Equipment shown is for illustrative purposes only and may display optional accessories or components.



605M Baler



TR90 Rebel® Tedder/Rake



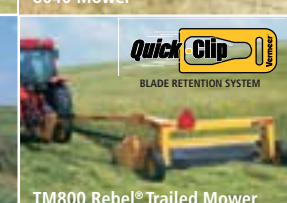
5410 Rebel® Baler



8040 Mower



MC840 Mower Conditioner



TM800 Rebel® Trailed Mower



TE170 Tedder



TE330 Tedder



BP8000 Bale Processor



BP5000 Rebel® Bale Processor



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