



Rugged. Reliable. Ready.

Frontier High-Capacity Wheel Rakes



WR21 • WR22 • WR23 Series



Heavy crop gathering, superior raking range, and

WR21 Series Hitch-Flex Rakes

Bigger windrows. Slimmer costs.

The WR21 Series feature three economical models to help you with your chores. Whether you're a small acreage or large property owner, there's a solution just right for your haymaking operation.

# OF WHEELS	WORKING WIDTH
10	20 ft. (6.1 m)
12	22 ft. (6.8 m)
14	25 ft. (7.6 m)



Affordable Options, Easy Adjustments, Reliable Features

Just what the workday ordered

If you're looking to heighten efficiency, or just simply trim a little bit more time off your operation, then we have cost-effective options to help you. Like the popular wind panels, or the convenient center kicker wheel...and more.

At Frontier, we've made simplicity a priority. That's why our High-Capacity Wheel Rakes are quick and simple to adjust. Whether you're working the hitch clevis or increasing the raking width, operating these implements is a breeze.

From disc brakes to transport locks, this premium line of wheel rakes is equipped with rugged, dependable features to keep you productive, this hay season and many more to come – because it isn't just how well your tools work, but how long they perform as well.

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Center kicker wheels

Center kick wheels turn the center of the windrow by half a turn for a fluffier, more even windrow, increased drydown, and prevents the need to run your baler pickup too close to the ground.



Independent loaded wheel

Rake wheels are independently spring loaded to follow ground contours while minimizing soil disturbance.



consistent windrows.

WR22 Series Wing-Flex Rakes

Increase your haymaking production.

Ideal for raking small or large hay fields, the WR22 Series give you greater windrow width to gather more hay into bigger windrows for faster drydown.

# OF WHEELS	WORKING WIDTH
12	25 ft. (7.6 m)
14	28 ft. (8.5 m)



OPTIONS



Wind panels

Whether you're working in windy conditions or light hay, stable wind panels minimize forage loss through the raking wheels and prevent hay wrapping on rake wheel hubs.



Tandem wheels

Two tandem axle walking beams keep the rake running smooth and level over rough terrain, minimizing hay loss and machine wear.



Front gauge wheels

The optional fifth and sixth front gauge wheels react to the contours of your field, ensuring the rake wheels stay engaged with the ground when going over hilly land.

FEATURES

Tight turning

The telescoping flexible drawbar allows the rake to hug ground contours for better crop pickup and alleviates stress on the frame. It also allows for tighter turns in small fields.



Transport lock

The eight-position lock bar safely secures the rake beams in folding position during transport.



Caster wheel brake

The center disc brake easily controls caster wheel pivoting to give you more stability when transporting the rake.

WR23 Series Heavy-Duty Wing-Flex Rakes

Super-duty commercial raking.

Shorten long days with the extended arms of the WR23 Series. Built to handle large fields, this wide-coverage series of rakes gathers crop effectively for fuller windrows with minimal leaf loss, so you can maximize productivity.

# OF WHEELS	WORKING WIDTH
16	32 ft. (4.9 – 9.8 m)
18	35 ft. (5.5 – 10.7 m)



ADJUSTMENTS



Lift cylinder

With the raking beam hydraulic cylinder, you can raise and lower the rake wheels from the convenience of your operator's seat. And to adjust down-pressure, simply turn the depth crank – this allows you to fine-tune the rake to your crop conditions. For transporting, an easy-to-use mechanical stop keeps the raking beam secured.



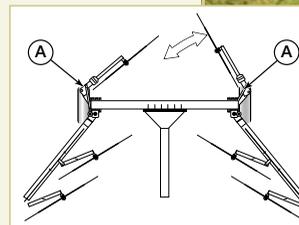
Tine down pressure

Fine-tune the rake-wheel ground pressure with a few turns of the hand cranks. There's just one crank on each beam to adjust.



Windrow adjustment (WR21 and WR22)

On the WR21 and WR22 Series, windrow width is easily adjusted by using the hand cranks to change the angle of the last raking wheel on each side of the rake. Choose any width you need – from a narrow 36 inches to a wide 72 inches.



Windrow adjustment (WR23)

On the WR23 Series, simple adjustments are made to windrow width by changing the working angle of the rear rake wheels. Adjust the turnbuckle to push the rake arms in

for narrower windrows, out for wider windrows, or offset the rake arms for offset windrows.

Efficient haymaking for high quality bales

Hitch- And Wing-Flex Raking Options

Go from raking to baling in minimal time with the **Frontier High-Capacity Wheel Rakes**. With large raking widths, you can round up heavy crop in fewer passes, producing even windrows for uniform bales. And by combining multiple windrows, you can reduce fuel expenses in your operations.

The value-loaded **WR21 Series** is available in 10-, 12-, and 14-wheel models with up to 25 feet of raking width. Hitch feature allows rake arms to flex 11 degrees up and 26 degrees down for increased mobility. From small fields to wide pastures, the WR21 Series matches efficiency with affordability, so you can make more hay in less time – at less cost.

Chores vary. Solutions vary. And with the **WR22 Series**, Frontier offers another line of 12- and 14-wheel model high-capacity wheel rakes, equipped with a wing-flex feature for greater maneuverability over uneven terrain. Add a maximum working width of 28 feet, and you're ready to pickup even more nutrient-rich hay.

If that's not enough, the 16- and 18-wheel **WR23 Series** make quick work of your commercial haymaking jobs. With up to 35 broad feet of raking width, the super-duty WR23 Series gathers loads of crop for thick, lush windrows that's ready for baling.

Visit with your local John Deere dealer today and ask about the Frontier High-Capacity Wheel Rakes. Choose the right model for your needs. The Frontier High-Capacity Wheel Rakes are sold and supported by John Deere dealers, your exclusive supplier of Frontier Equipment.



For your convenience

When it's time to make hay, Frontier High-Capacity Wheel Rakes get you out to the field fast and easy. With only 10 feet or less of transport width, you can navigate through narrow roads and gates effortlessly. Once your chores are done, simply fold and secure rake beams using a stable eight-position lock bar, and it's now ready for road transport.



A level raking field

Not every field is tabletop smooth. So, for our customers who work rough terrain, steep inclines, or hilly conditions, the Frontier WR21, WR22, and WR23 Series provide the necessary features to handle those environments. Including a durable frame, spring loaded rake wheels, a sturdy arm-stop, optional fifth and sixth gauge wheels, and more.

Specifications

Model	WR2110	WR2112	WR2114	WR2212	WR2214	WR2316	WR2318
Number of Rake Wheels	10	12	14	12	14	16	18
Teeth Per Wheel	40	40	40	40	40	40	40
Tooth Diameter	.28 in. (7 mm)	.28 in. (7 mm)	.28 in. (7 mm)	.28 in. (7 mm)			
Wheel Diameter (inches)	55 in. (140 cm)	55 in. (140 cm)	55 in. (140 cm)	55 in. (140 cm)			
Transport Width	9 ft. (2.7 m)	9 ft. (2.7 m)	9 ft. (2.7 m)	8 ft. 4 in. (2.54 m)	8 ft. 4 in. (2.54 m)	10 ft. (3.05 m)	10 ft. (3.05 m)
Transport Length	24 ft. 2 in. (7.4 m)	24 ft. 2 in. (7.4 m)	26 ft. 5 in. (8.1 m)	29 ft. 6 in. (8.97 m)	29 ft. 6 in. (9 m)	29 ft. 6 in. (9 m)	36 ft. (10.97 m)
Transport Rake Wheel Clearance	12 in. (30.5 cm)	12 in. (30.5 cm)	12 in. (30.5 cm)	17 in. (43 cm)	17 in. (43 cm)	17 in. (43 cm)	17 in. (43 cm)
Raking Width	19 ft. 6 in. (5.9 m)	22 ft. 5 in. (6.8 m)	25 ft. 5 in. (7.7 m)	25 ft. (7.62 m)	28 ft. 4 in. (3.64 m)	32 ft. (9.75 m)	35 ft. 4 in. (10.77 m)
Windrow Width Adjustment	43 - 63 in. (122-183 cm)	43 - 63 in. (122-183 cm)	43 - 63 in. (122-183 cm)	36 - 72 in. (91 - 183 cm)	36 - 72 in. (91 - 183 cm)	36 - 72 in. (91 - 183 cm)	36 - 72 in. (91 - 183 cm)
Windrow Frame Clearance	41.3 in. (105 cm)	41.3 in. (105 cm)	41.3 in. (105 cm)	50 in. (127 cm)	50 in. (127 cm)	55 in. (140 cm)	55 in. (140 cm)
Raking Wheel Hubs	Sealed Ball Bearing	Sealed Ball Bearing	Sealed Ball Bearing	Sealed Ball Bearing	Sealed Ball Bearing	Sealed Ball Bearing	Sealed Ball Bearing
Flex Type	Hitch Flex	Hitch Flex	Hitch Flex	Wing Flex - Fully articulated opening arms	Wing Flex - Fully articulated opening arms	Wing Flex - Fully articulated opening arms (2 pivoting points)	Wing Flex - Fully articulated opening arms (2 pivoting points)
Number of Transport Wheels	4	4	4	4 (additional 2 optional)	6	4 (additional 2 optional)	7
Hitch Jack	Standard	Standard	Standard	Standard	Standard	Standard	Standard
Center Kick Wheels	Optional	Optional	Optional	Optional	Optional	Optional	Optional
Tandem Rear Wheels	—	—	—	Optional	Optional	Optional	Optional
2 Wheel Extension Kit	Optional	—	—	Optional	—	—	Optional
Transport Wheels	185/65-14	185/65-14	185/65-14	205/60-15	205/60-15	205/60-15	205/60-15
Gauge Wheels	185/65-14	185/65-14	185/65-14	205/60-15	205/60-15	205/60-15	205/60-15
Hydraulic Requirements	1,000 psi (6,895 kPa)	1,000 psi (6,895 kPa)	1,000 psi (6,895 kPa)	2 double acting cylinders	2 double acting cylinders	2 double acting cylinders	2 double acting cylinders
Weight (lbs.)	2,050 lb. (930 kg)	2,248 lb. (1,020 kg)	2,513 lb. (1,140 kg)	3,670 lb. (1,665 kg)	4,398 lb. (1,995 kg)	4,290 lb. (1,950 kg)	5,588 lb. (2,540 kg)

Frontier High Capacity Wheel Rakes meet applicable ASABE safety standards.



Get your haymaking chores done sooner

From small acreage raking to commercial operations, Frontier High-Capacity Wheel Rakes offer wider working widths to cover more acres of land quickly. Gather large amounts of heavy crop into bigger, uniform windrows for faster drydown and easier baling – all in minimal time.



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