

2022 PRACTICAL FARM RESEARCH



PLANTER ATTACHMENTS

CLOSING WHEELS



WHY SHOULD I WORRY ABOUT CLOSING WHEELS?

Closing the seed trench and optimizing seed-to-soil contact is essential for uniform emergence, which leads to higher yields. This is achieved by filling the seed trench from the bottom to the top and firming the soil while eliminating air pockets. Open slots also allow herbicides and insects like slugs direct access to the seed, causing injury. When planting conditions are not ideal, closing wheels are needed to crush or collapse the sidewall to help eliminate tomahawk roots that cause root restriction and yield loss.



WHICH CLOSING WHEELS ARE THE BEST?

PFR data indicates that the proper closing wheel varies depending on your soil type and planting conditions. However, nearly all after-market closing wheels have performed better than the two solid rubber wheels that come standard on most planters.

CLOSING WHEEL	SCHAFFERT ZIPPER™		COPPERHEAD AG FURROW CRUISER®		S.I. DISTRIBUTING FINGER-TILL		YETTER POLY TWISTER		SCHAFFERT MOHAWK™	
CROP	Corn	Soybean	Corn	Soybean	Corn	Soybean	Corn	Soybean	Corn	Soybean
PFR PROVEN BU./A. ADVANTAGE	3.1	--	3.8	1.7	2.7	1.6	5.1	2.5	3.6	1.3
WEIGHT	7.6 lb.		3.7 lb.		16.2 lb.		5.0 lb.		6.0 lb.	
TILLAGE SYSTEM	Any		Any		No-Till		Any		Any	
YEARS TESTED	3		3		3		3		3	
COMPANY	Schaffert		Copperhead Ag		S.I. Distributing		Yetter		Schaffert	

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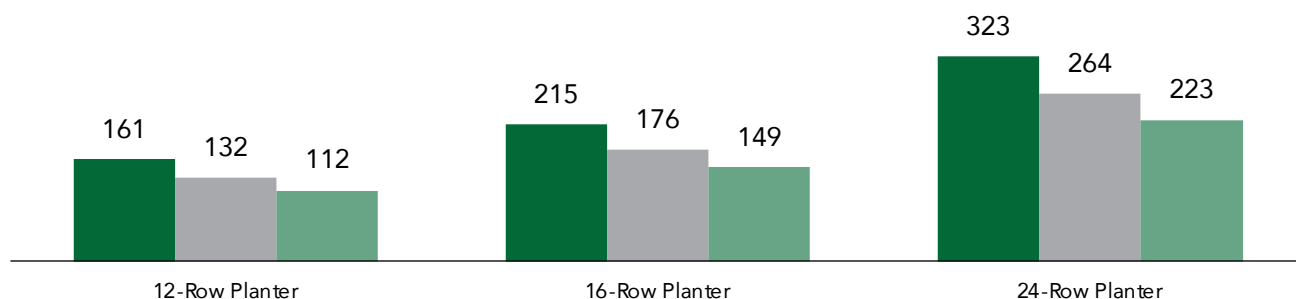
CLOSING WHEEL ACRES TO PAY OFF

PFR **PROVEN**

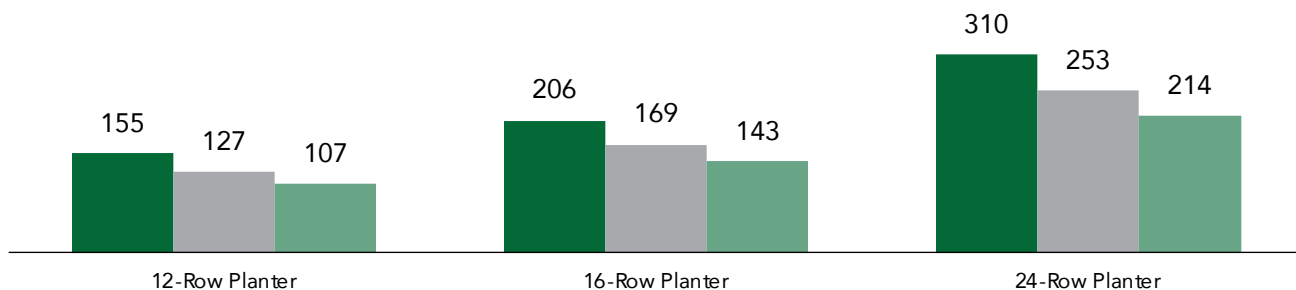


Acres to pay off uses the price of the specific closing wheel, the corn price, and the Bu./A. advantage for each closing wheel. In the charts below, a smaller number means the closing wheel "pays for itself" more quickly.

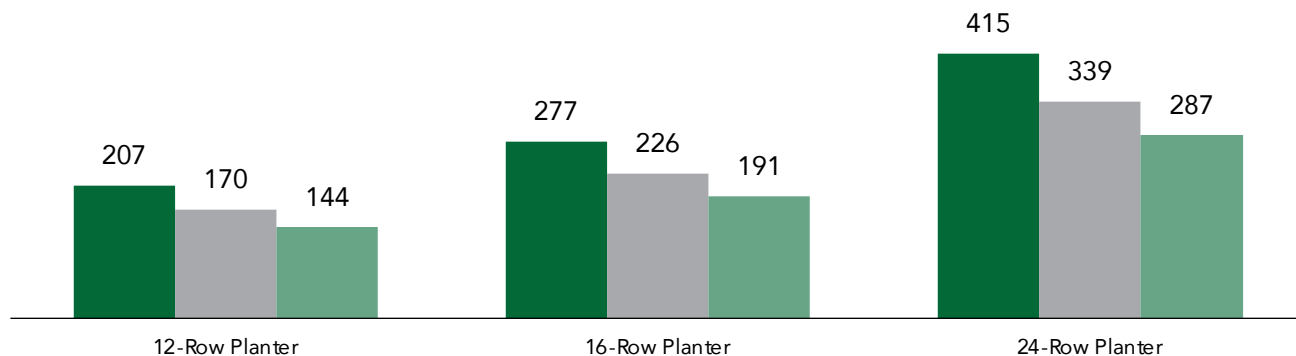
COPPERHEAD AG FURROW CRUISER®



SCHAFFERT ZIPPER™



S.I. DISTRIBUTING FINGER-TILL



Corn Prices: ■ \$4.50/Bu. ■ \$5.50/Bu. ■ \$6.50/Bu.

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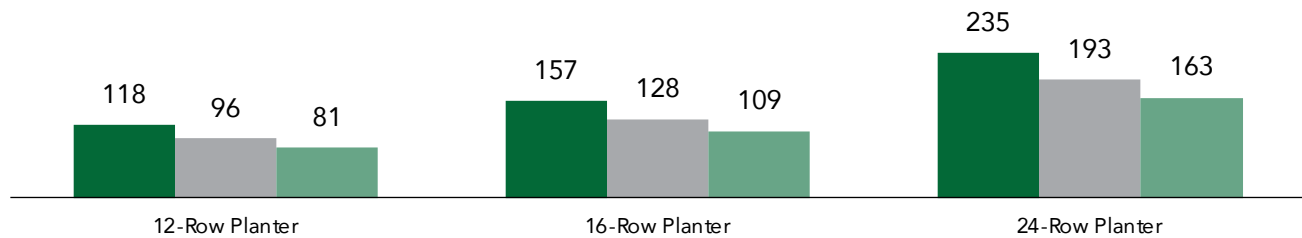
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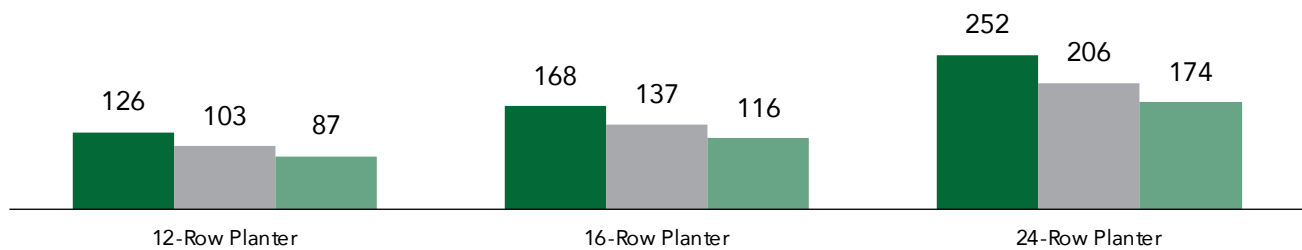


Acres to pay off uses the price of the specific closing wheel, the corn price, and the Bu./A. advantage for each closing wheel. In the charts below, a smaller number means the closing wheel "pays for itself" more quickly.

YETTER POLY TWISTER



SCHAFFERT MOHAWK™



Corn Prices: ■ \$4.50/Bu. ■ \$5.50/Bu. ■ \$6.50/Bu.



FIGURE YOUR ACRES TO PAY OFF

Multiply the bushels gained by your corn commodity price (net return) and then divide the total cost of the planter attachments by your net return.

Example: Adding Yetter Poly Twisters to a 16-Row Corn Planter

Corn Commodity Price: \$6.50/Bu.

Yetter Poly Twister Yield Gain = 5.1 Bu./A.

Yetter Poly Twisters Cost: \$225/Row x 16 rows = \$3,600

5.1 Bu./A. x \$6.50 = \$33.15/A. (Net Return)

\$3,600 / \$33.15 = 109 acres to pay off



Scan the QR code to watch a video on closing wheel adjustment.

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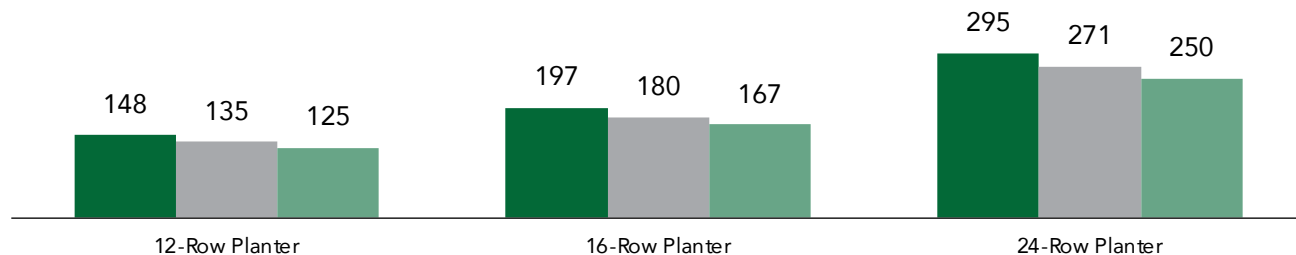
CLOSING WHEEL ACRES TO PAY OFF

PFR PROVEN

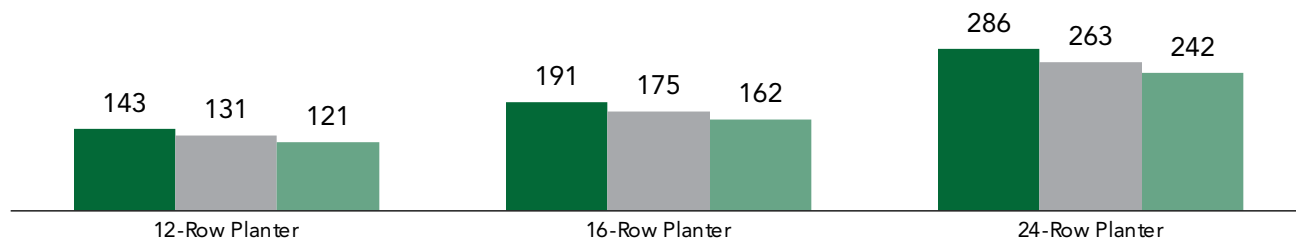


Acres to pay off uses the price of the specific closing wheel, the soybean price, and the Bu./A. advantage for each closing wheel. In the charts below, a smaller number means the closing wheel "pays for itself" more quickly.

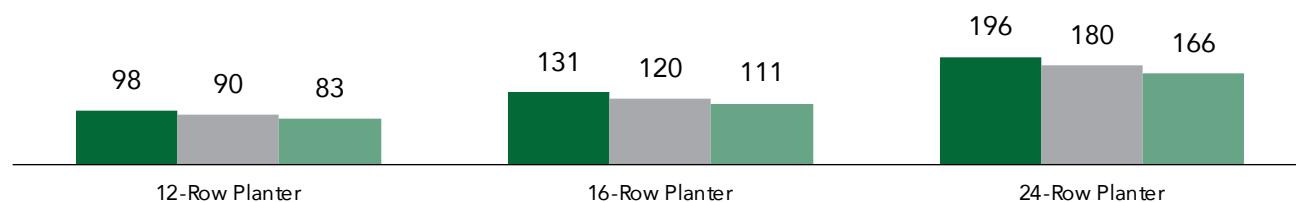
COPPERHEAD AG FURROW CRUISER®



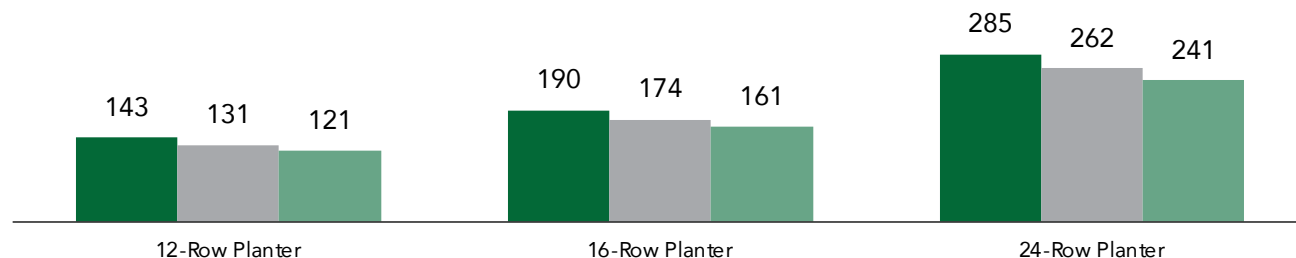
S.I. DISTRIBUTING FINGER-TILL



YETTER POLY TWISTER



SCHAFFERT MOHAWK™



Soybean Prices: ■ \$11.00/Bu. ■ \$12.00/Bu. ■ \$13.00/Bu.

PLANTER ATTACHMENTS

CLOSING WHEEL SYSTEMS



WHY WOULD I NEED A CLOSING WHEEL SYSTEM?

Closing wheels need to maintain consistent pitch and ground contact to successfully close the furrow. Standard closing wheel tails have limited travel, so when they move up, the pitch of the closing wheels gets wider. Likewise, when they move down, they can struggle to close as they were designed. The parallel arms with the Schaffert 4 Link Closer™ allow for greater travel to maintain a consistent pitch and, thus, more consistent closing of the seed trench. FastTrac™ utilizes a chevron closing wheel system to help manage the soil density in the seed trench and eliminate open seed slots.

CLOSING WHEEL	SCHAFFERT 4 LINK CLOSER™ WITH WALKING AXLE		FASTTRAC™	
CROP	Corn	Soybean	Corn	Soybean
PFR PROVEN ACRES TO PAY OFF	541 ACRES 16-Row Planter at \$5.50 Bu./A. Corn	762 ACRES 16-Row Planter at \$12.00 Bu./A. Soybean	842 ACRES 16-Row Planter at \$5.50 Bu./A. Corn	927 ACRES 16-Row Planter at \$12.00 Bu./A. Soybean
YIELD ADVANTAGE	4.3 Bu./A	1.1 Bu./A	2.4 Bu./A	1.0 Bu./A
WEIGHT	29 lb.		55 lb.	
TILLAGE SYSTEM	Any		Any	
YEARS TESTED	3		3	
COMPANY	Schaffert		AgFocus, LLC	



Most of our plots are located on uniform, flat ground. We would expect the benefits of these systems to be more pronounced in fields that have more rolling topography.

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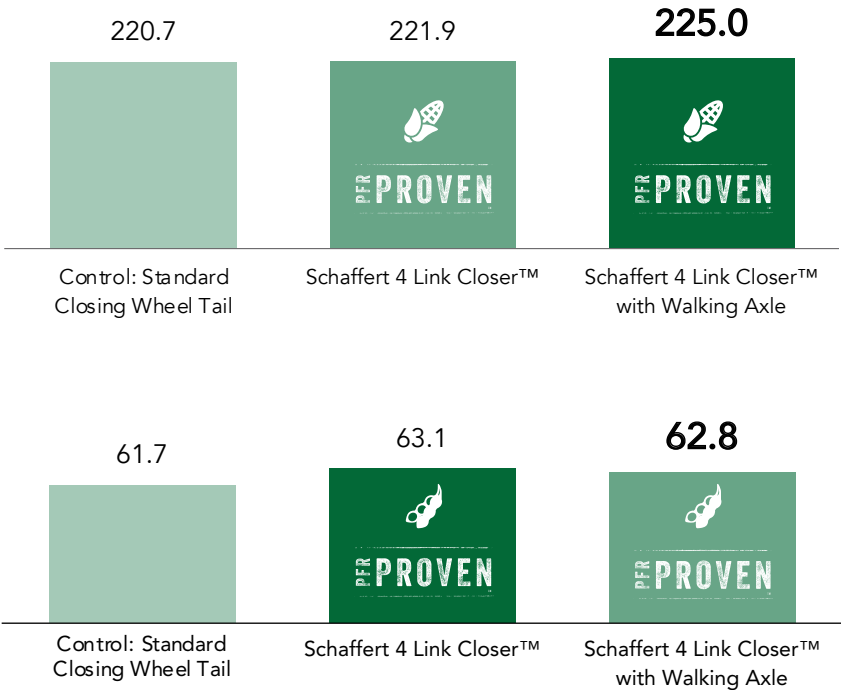
CLOSING WHEEL SYSTEMS



WHY SHOULD I ADD THE WALKING AXLE?

If you have had issues with root balls and other obstructions lifting or impacting closing wheels, then you should consider this attachment. The walking axle creates a “walking” motion of the closing system, allowing the unit to travel more smoothly when dealing with obstructions and increased changes in the soil surface. In addition, as high-speed planting becomes more popular, row unit bounce becomes more pronounced. Having the ability to keep the closing wheels stable and running at a consistent pitch will be more important.

3-YEAR MULTI-LOCATION CLOSING WHEEL SYSTEMS YIELD AVERAGE

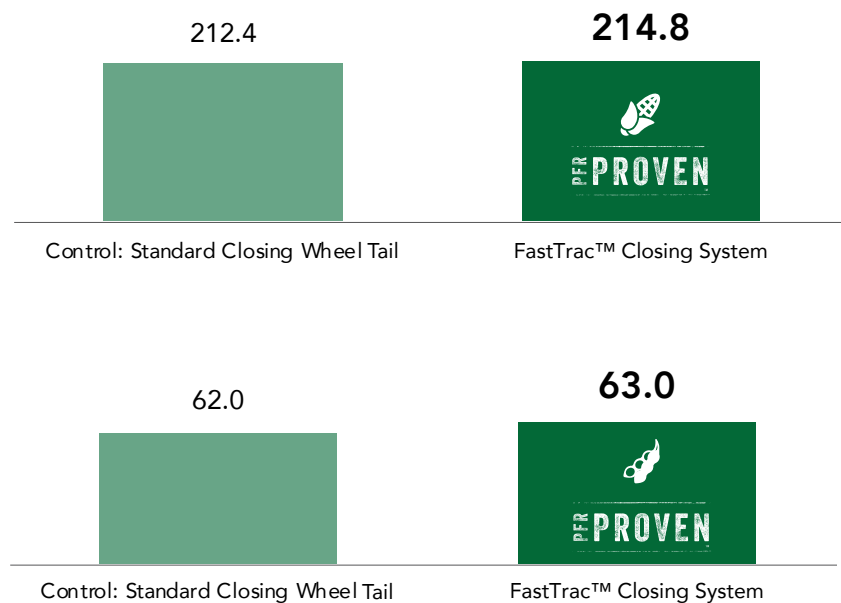


SHAFFERT 4 LINK CLOSER™
WITH WALKING AXLE



STANDARD CLOSING WHEEL TAIL

3-YEAR MULTI-LOCATION CLOSING WHEEL SYSTEMS YIELD AVERAGE



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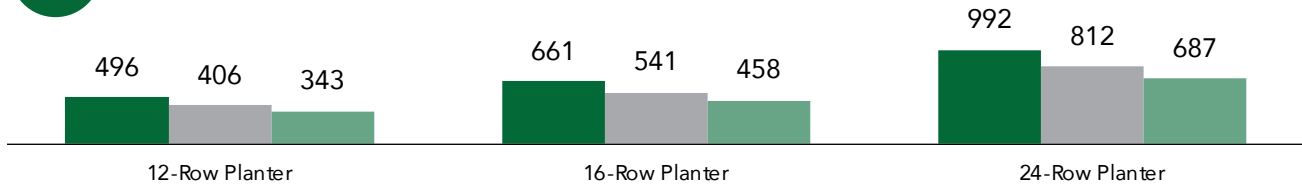
CLOSING WHEEL SYSTEMS ACRES TO PAY OFF

PFR **PROVEN**

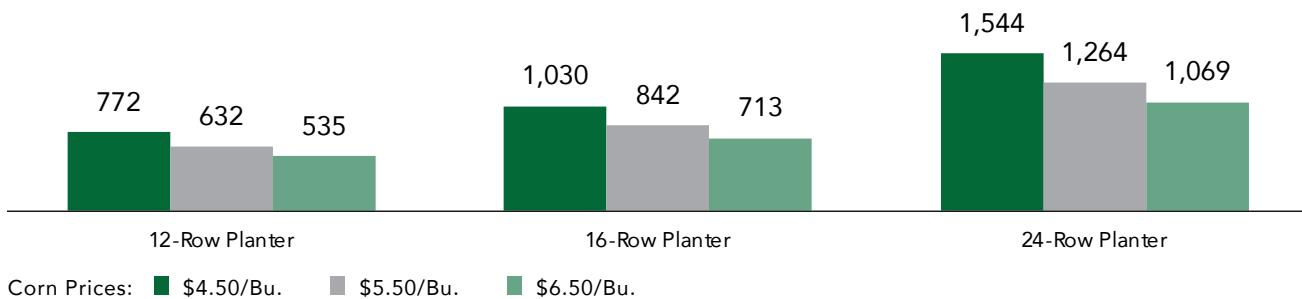
Acres to pay off uses the price of the specific closing wheel, the corn or soybean price, and the Bu./A. advantage for each closing wheel system. In the charts below, a smaller number means the closing wheel system "pays for itself" more quickly.



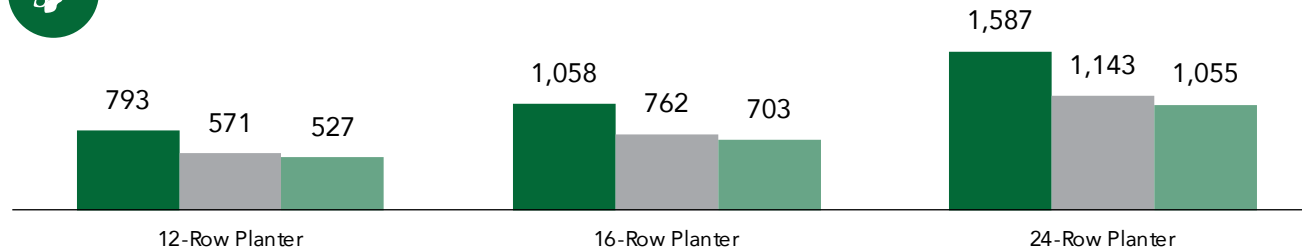
SCHAFFERT 4 LINK CLOSER™ WITH WALKING AXLE



FASTTRAC™ CLOSING SYSTEM ACRES TO PAY OFF



SCHAFFERT 4 LINK CLOSER™ WITH WALKING AXLE



FASTTRAC™ CLOSING SYSTEM ACRES TO PAY OFF

