

# Mower Conditioners

Side-Pull and Center-Pivot



JOHN DEERE





# New 0 Series Mower-Conditioners





When it comes to cutting hay, your John Deere dealer has you covered. Fast, clean cutting that helps you get the most from your hay fields.

Time is critical when it comes to mowing and drying down your hay crop. Now you can get more done and produce high quality hay with the new John Deere Zero Series Mower-Conditioners. Cover more acres per hour with the new C500 Mower-Conditioner. The new lighter weight C400 Mower-Conditioner gives you a wider range of tractor compatibility, and increased ability to customize your windrow. All with the newly redesigned John Deere Zero Series Mower-Conditioners.

## Contents

A cut above.....	4
Side-pull mower-conditioner .....	6
Center-pivot mower-conditioner.....	8
More speed, higher quality .....	10
Specifications .....	11



# A cut above

There's a lot to like about our cutterbar design. Save time with quick change knives by up to half\* for a fast service with a cost saving advantage thanks to its easy access modular design. The quick response suspension system minimises damage and the peerless cut quality promotes faster growth.



Impeller



Urethane roller



Tri-lobe™ roller

## Four conditioners to meet any crop

If you're looking for speed in high-density crops, our high-inertia steel impeller conditioner is built for it.

For gentler conditioning of tender crops like alfalfa, conditioning rolls get great results. The rolls crimp the crop without breaking the leaves and preserve more nutrients. Urethane rolls are molded and have an intermittent recessed cleat design. The intermittent recessed cleat design provides more crimping edges for greater pressure per square inch, which results in superior conditioning and faster crop drying.

The V-10 steel conditioner rolls feature ten angled flutes arranged in a chevron, pattern along the length of the steel core. Steel rolls offer improved wear life over urethane rolls, particularly in adverse crop conditions.

Tri-Lobe™ steel conditioning rolls have three intermeshing chevron lobes to crush the length of the stem for improved conditioning and faster dry down.



V10 roller

\*compared to standard bolted knives of previous models



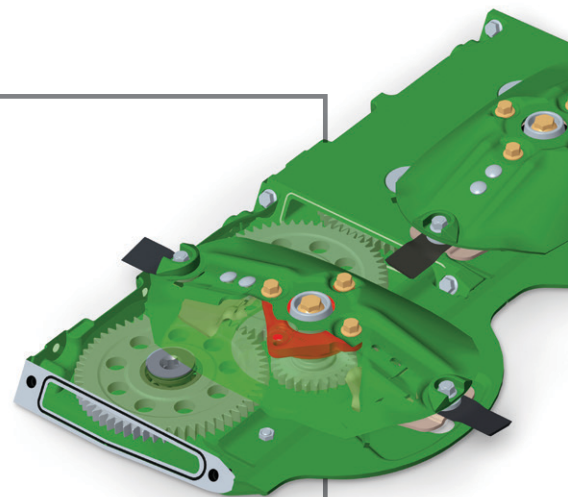


### Smooth and quiet

Discs run quiet and cool even at a knife tip speed of more than 28 km per hour, as each module has two large idler gears and one drive gear that run in oil.

### Protection built in

When you hit an obstacle, splines on the shear hub will shear to protect the gear drive. Replacing the shear hub is fast and clean – no need to open the cutterbar.



### Practical by design

We've taken knife changes to a new level of convenience by developing a custom tool for it – our hard-wearing quick-change knives save you time and money.



### Economical by design

The design of our high-strength nodular-iron cutterbar is modular. If parts of the cutterbar become damaged, only the affected module needs to be replaced, not the entire bar. That's cost-savings built-in.



### Longer disc life

We're making low-cost replaceable wear caps take the beating instead of your discs. They're open on the end, so debris can't pack in tight around the nut.



# Side-pull mower-conditioner

## Perfect fit

Compact to get through tight spaces, the side-pull mower-conditioners allow for a wide range of tractor compatibility. With lower power take-off (PTO) horsepower requirements and the means to be pulled from most tractor drawbars, these John Deere mower-conditioners give you the ability to cut and condition your hay for improved dry down.



## Proven cutterbar reliability

John Deere's patented design cutterbar is made from individual, diagonal-cut modules, making serviceability easy. Each module can be removed for service individually, leaving the remaining cutterbar modules attached to the frame.

Because John Deere is confident in the reliability, every mower conditioner includes a 5-year warranty on cutterbar components. This gives you peace of mind knowing that if you do experience a warrantable failure, your machine is backed through your experienced, local John Deere dealer.

## S250, S300 and S350

You will love that these mowers transport directly behind the tractor at nearly the same width as its cut. The side-pull models have the tongue positioned in the center of the frame and drivelines that enter from the top to improve transport width. Not only that but converting to transport is quick and easy.







Windrow formation is the final step of mower-conditioner functionality. Proper windrow formation is critical to reducing dry down times for dry hay and haylage or providing consistent chopping speeds and cut lengths for forage harvesting applications.

O Series Mower-Conditioners come standard with forming vanes on the swath board when available. Previously referred to as a wide swath kit, the forming vanes allow the mower-conditioner to increase windrow widths up to 25 percent and can be used to further customize windrow formation to match crop conditions.



# Center-pivot mower-conditioner

## Easy to use, easy to own

With impeller conditioning available on the C300, C250, C400 and C450, Tri-Lobe™ on the C500 and Urethane and steel V10 on them all, there is plenty of conditioning options no matter the crop.



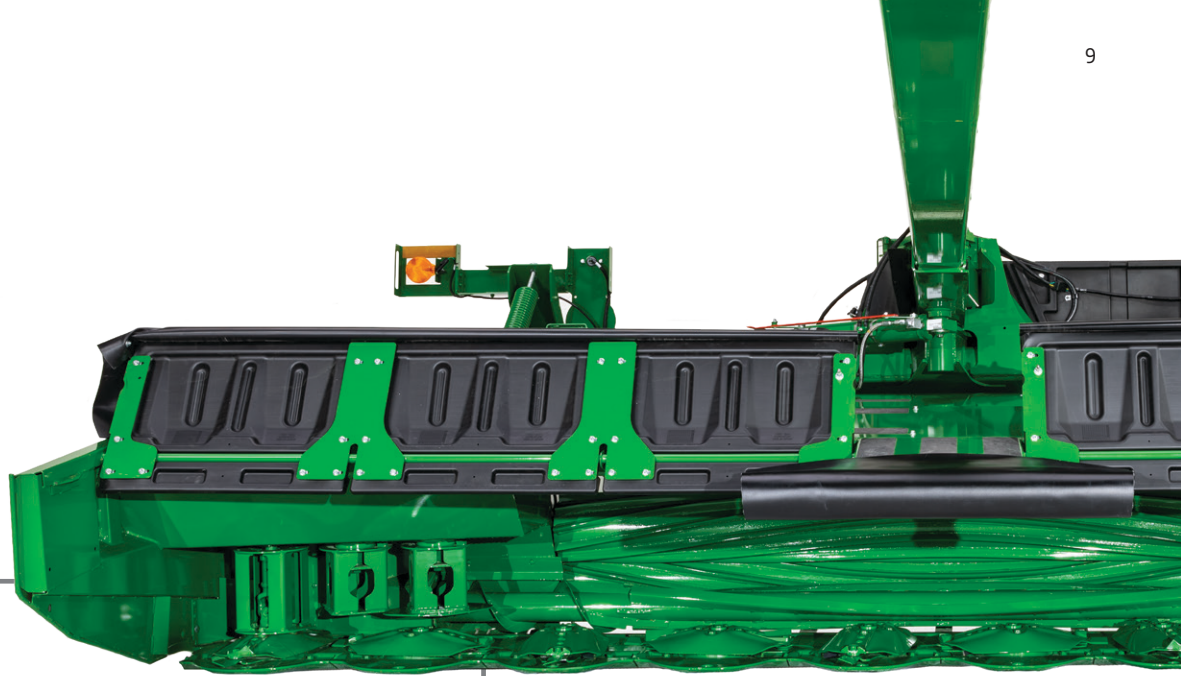
## Works your way, all the way

Time is critical when it comes to mowing and drying down your hay crop. Now you can get more done and produce high quality hay with the new John Deere Zero Series Mower-Conditioners. Cover more acres per hour with the new C500 Mower-Conditioner. The new lighter weight C400 Mower-Conditioner gives you a wider range of tractor compatibility, and increased ability to customize your windrow. All with the newly redesigned John Deere Zero Series Mower-Conditioners.

You never know what's out there hiding on the ground, but you also needn't worry about it. Your MoCo is protected from the wear and damage caused by debris in the field – our upgraded breakaway system makes sure of it.







### Get more done with the new C500

The 5 m (16 ft. 4 in.) cutting width of the new C500 lets you cover up to 10% more acres per hour\*. With improved roll geometry, dent resistant plastic doors and a overshot cross auger to feed crop into the conditioner the C500 will get the job done quicker with less downtime. The C500 has three conditioning roll options to choose from urethane, V10 or Tri-lobe™.

### We've redesigned the C400

- 5% weight reduction
- 6% longer conditioning rolls
- Up to 288 cm windrow formation
- Driveline above tongue for better serviceability
- Larger 31L high flotation tyres
- Larger forming shields



\*compared to previous models

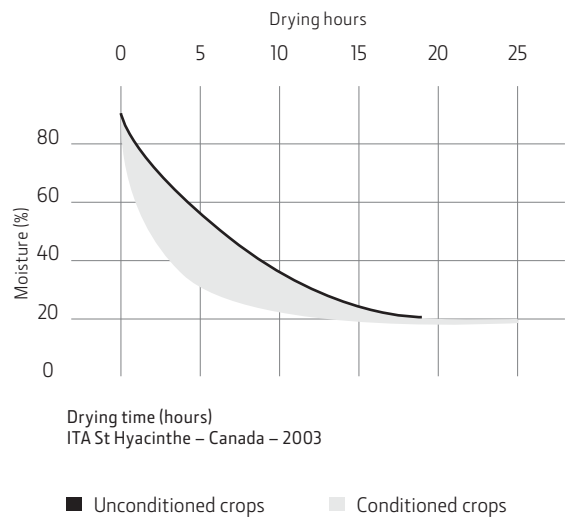


# More speed, higher quality

Give your harvesting performance a serious boost. Crops cut with a mower-conditioner dry in half the time required by crops cut with a conventional mower.

Mower-conditioners help remove the wax coating on crops to let moisture escape unobstructed. The conditioned hay forms large, fluffy windrows which allow air to circulate, promoting even faster drying. Overall, the drying process is so fast, that you significantly reduce the risk of hay getting rained on, washing out vital nutrients. In the end, you're producing better quality faster.

The John Deere mower-conditioners give you the ability for wider windrows, thanks to the forming vanes. These wider windrows help the crop dry down faster, preserving the quality of the hay and giving you more time to bale before Mother Nature strikes.





## Specifications

Model	S250	S300	S350	C300	C350	C400	C450	C500
	Side-Pull	Side-Pull	Side-Pull	Center-Pivot	Center-Pivot	Center-Pivot	Center-Pivot	Center-Pivot
<b>Power</b>								
PTO speed	540 rpm	540 or 1000 rpm	1000 rpm	540 or 1000 rpm	1000 rpm	1000 rpm	1000 rpm	1000 rpm
540 rpm PTO	41–56 kW 55–75 hp	48–60 kW 65–81 hp	–	52–60 kW 70–81 hp	–	–	–	–
1000 rpm 1-3/8 in. PTO	–	48–112 kW 65–150 hp	68–112 kW 90–150 hp	52–112 kW 70–150 hp	68–112 kW 90–150 hp	71–112 kW 95–150 hp	75–112 kW 100–150 hp	89–157 kW 120–210 hp
<b>Cutterbar</b>								
Number of disks	5	6	7	6	7	8	9	10
Cutting width m (ft.)	2.4 (8.1)	3.0 (9.75)	3.5 (11.5)	3.0 (9.8)	3.5 (11.5)	4 (13)	4.5 (14.5)	4.9 (16)
Cutting height cm (in.)	2.8–9.8 (1.1–3.8)	2.8–9.8 (1.1–3.8)	2.8–9.8 (1.1–3.8)	2.0–9.5 (0.8–3.8)	2.0–9.5 (0.8–3.8)	2.0–9.5 (0.8–3.8)	1.6–11.8 (0.63–6.7)	1.6–11.7 (0.63–6.7)
<b>Conditioner (Impella)</b>								
Width cm (in.)	140 (55.2)	185.4 (73)	236 (92.7)	185 (73)	236 (92.7)	268 (106)	268 (106)	–
Number of tines	33	45	57	45	57	72	72	–
<b>Rolls conditioner</b>								
Width cm (in.)	–	187.8 (73)	236 (92.7)	185 (73)	236 (92.7)	279 (110)	269 (106)	269 (105.5)
Roll type	–	Urethane or Steel V10	Urethane or Steel V10	Urethane or Steel V10	Urethane or Steel V10	Urethane or Steel V10	Urethane or Steel V10	Urethane, Steel V10 or Steel Tri-Lobe
Roll Speed	–	664 rpm	664 rpm	664 rpm	664 rpm	800 rpm	800 rpm	1000 rpm
<b>Dimensions</b>								
Transport width m (ft.)	2.4 (8.1)	–	3.5 (11.5)	3.0 (9.8)	3.5 (11.5)	4 (13)	4.5 (14.5)	5.03 (16.5)
Transport length m (ft.)	6.2 (20.6)	3.0 (9.75)	6.2 (20.6)	6.3 (20.6)	6.3 (20.6)	8.2 (26.9)	8.8 (28.9)	9.9 (32.5)
<b>Tractor connection</b>								
Tractor connection	21 spline	21 spline	21 spline	21 spline	21 spline	21 spline	21 spline	21 spline
Standard hitch	Clevis	Clevis	Clevis	Equal angle	Equal angle	Rockshaft swivel	Rockshaft swivel	Rockshaft swivel
Optional hitch	Equal angle	Equal angle, Rockshaft swivel or Drawbar swivel	Equal angle, Rockshaft swivel or Drawbar swivel	Rockshaft swivel or Drawbar swivel	Rockshaft swivel or Drawbar swivel	Drawbar swivel	Drawbar swivel	Drawbar swivel



# Efficiency and precision

Let AutoTrac™ precision-steer your tractor to mow more accurately and always make a full cut – while it maintains constant maximum speed to generate beautifully uniform windrows at a faster pace than ever\*.

\*Requires Generation 4 CommandCenter, StarFire™ receiver and CommandCenter™ AutoTrac activation



**JOHN DEERE**

This literature has been compiled for worldwide circulation. While general information, pictures and descriptions are provided, some illustrations and text may include finance, credit, insurance, product options and accessories NOT AVAILABLE in all countries or regions. In some countries, products and accessories may require modifications or additions to ensure compliance with the local regulations of those countries. PLEASE CONTACT YOUR LOCAL DEALER FOR DETAILS. John Deere reserves the right to change specification and design of all products described in this literature without notice. John Deere's green and yellow colour scheme, the leaping deer symbol, and JOHN DEERE are trademarks of Deere & Company. All photography and illustrations contained herein are copyrighted assets of Deere & Company.

**JohnDeere.com.au**  
**JohnDeere.co.nz**