

New Holland Haybine[®] Mower-Conditioners

472 488 1465 499



NEW HOLLAND



HAYBINE® MOWER-CONDITIONERS

The best in plug-free cutting and conditioning

When it's time to buy a mower-conditioner, go with a genuine New Holland Haybine® mower-conditioner — the one that started it all.

Rated number one in cutting through heavy, down and tangled crops

Smooth, reliable cutting starts with the over-serrated, bolt-on knife sections with adjustable hold-down clips and square back-bar guards.

Full, lateral header flotation means you get all the crop. And the Haybine sickle drive system provides clean cutting with less wear and vibration, and requires minimum maintenance.

Rated number one in plug-free conditioning and producing fast-drying, well-conditioned crops

Then, there's the heart of a Haybine mower-conditioner — the New Holland chevron-design

intermeshing rubber rolls known for their gentle, but thorough conditioning. Their unique spiraled design helps grip the crop and keep it moving. The lugs crack the stem every three or four inches to release moisture for fast drydown.

But the rolls are only part of the Haybine conditioning system. For consistent conditioning, all Haybine mower-conditioners use a torsion-bar roll-pressure system that applies



near-constant pressure to your crop, even as the crop mat thickness changes. But, when the rolls reach their maximum opening, the pressure decreases automatically to permit slugs to pass through without plugging, and without stopping! That's a real time-saver.

And, you get infinite adjustment of roll pressure without tools.

A turn of a crank is all it takes to change conditioning pressure to match field conditions. You don't need tools to change from swath to windrow either. It's just another hassle-free way you can adjust a Haybine mower-conditioner to match crop and field conditions.

Choose from four models:

Model 472..... 7'3"

Model 488..... 9'3"

Model 1465..... 9'3"

Model 499..... 12'3", pivot-tongue



Features of the industry leader

The torsion-bar roll-pressure system applies near constant pressure for consistent conditioning, but releases pressure to allow slugs to pass through automatically without plugging.

For optimal conditioning, it's important that roll gap and roll tension are properly set. For most legume crops, the roll gap (the space between the upper and lower conditioner rolls) should be maintained between 1/64" - 1/16" for optimum dry down. After setting the roll gap, roll tension (the amount of pressure added to restrict upper roll movement as the crop feeds through) must be adjusted. Hard-to-condition crops require more tension; light or easily conditioned crops require less.



Full-width chevron-design intermeshing rubber rolls provide gentle, thorough conditioning for fast drydown.



Roll pressure is adjusted quickly and easily with the turn of a crank. No tools needed! Adjustment is infinite so you can choose the exact degree of conditioning you need.



Bolt-on, over-serrated, back-hardened knife sections with adjustable hold-downs are standard.



New Holland

Competitor

Carbon steel alloy guards are hardened twice for longer life. The cutterbar assembly has square back-bar guards and a back-hardened knife assembly for longer wear and less maintenance.



Swath to windrow – No tools needed and the change takes only seconds.



Spare knife assembly storage space is provided in the pipe frame of the machine.



Adjustable header skid shoes allow quick and easy cutting height adjustment.



Full, lateral, header flotation allows the header to hug the ground for clean cutting while minimizing scalping and cutterbar damage.

MODELS 472 AND 488

Proven performance at an economical price



If you think Haybine mower-conditioners naturally cost more because they're the best, check the 7-foot 472 and

9-foot 488. Both of these models deliver proven Haybine dependability and performance without digging deep into your

pockets. You get all the features we've talked about—lateral header flotation, chevron-design intermeshing rubber rolls,



proven torsion-bar roll-pressure system, easy roll-pressure adjustment and quick change from swath to windrow—for an affordable price.



MODEL 1465

Lightweight header plus deluxe features

The new 1465 9-foot Haybine® mower-conditioner has all the dependable features included on the 488, plus extra deluxe features for added performance. The five-bat reel provides more uniform crop flow across the sickle and conditioning rolls, and the conditioning roll drive features straight spline telescoping shafts for extra durability. The 1465 has a spring-loaded reel drive idler for improved performance, added header durability and less maintenance. An enclosed wobble gear-box assures you of quiet, dependable operation.



5-bat reel provides more uniform crop flow.

The 1465 features a lightweight header for improved flotation, because the conditioning rolls are mounted in the main frame, so the cutterbar and reel are independent and respond more quickly to field obstructions. It all means you get a cleaner cut, more crop, less scalping and less damage to guards and knife sections.





Lightweight header reacts quickly to field obstructions to reduce cutter-bar damage, while maintaining a close cut.



Convenient toolbox provides a handy storage area.

Other deluxe features include a handy toolbox and your choice of a mechanical or a hydraulic tongue shift, and standard flashing amber lights.

MODEL 499

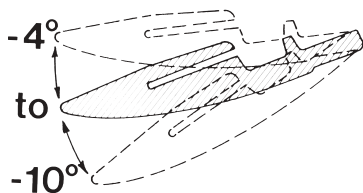
Capacity and convenience

The 12-foot Model 499 offers both high capacity and exceptional convenience. It features double-overlap knife assemblies, back-hardened sections and square back guards. You get fast, clean cutting performance from dual counter-stroking sickles. They're gear driven from both sides, operate with less vibration and are easy to service. The 499 header is unique — there's no auger! The exclusive Rolareel header uses a converging reel to sweep the crop directly into the 110-inch conditioning rolls. Since the rolls are mounted in the main frame, the header is light enough to react quickly to the changing ground contour for a closer, cleaner cut. And, the 499 offers



The spring-loaded tongue lock is easy to latch, so you don't waste time when you're ready to transport.

pivot-tongue convenience so you can open fields easily, cut square corners and mow back and forth on the same side of the field.



Cutterbar guard angle adjusts to match conditions. The standard manual settings are at 4°, 7° and 10° below horizontal.

Or, the optional hydraulic cylinder lets you adjust cutting angle on the go from your tractor seat — an ideal option when working in rocky fields.



Hinged shielding provides easy access to knife and reel drives.



Dependable gearbox drives the conditioning rolls. No chains to adjust!



Features for consistent cutting and conditioning

1 Variable reel speed and adjustable reel position let you adjust to difficult cutting conditions.

2 Bolt-on, over-serrated back-hardened knife sections with adjustable hold-downs are standard on the 1465 and 499.

3 Four-bat reel (472, 488) matches all crop conditions. Five-bat reel (1465) provides for more uniform crop flow.

4 All New Holland Haybines,® have a proven **Torsion-bar roll-pressure system** permits slugs to pass through the conditioning rolls without plugging.

5 Full-width chevron-design intermeshing rubber rolls provide thorough but gentle conditioning.

6 Full, lateral, header flotation gives you a cleaner cut and even stubble.

7 Adjustable swath gate lets you choose swaths or windrows. A lever makes the change in seconds without tools.

8 Knife and guard angle can be adjusted to suit crop and field conditions using adjustable links on header and frame (1465, 499). The 499 offers a mechanical or hydraulic adjustment at the center of the header.

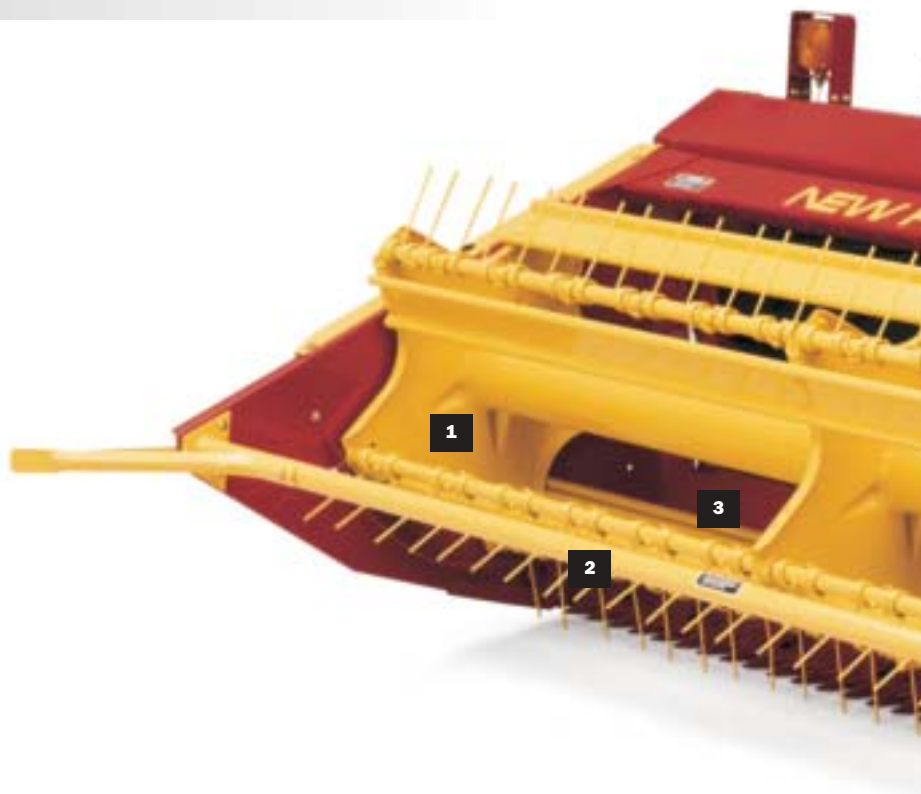
9 Lightweight header (1465 and 499 only) reacts quickly to changing ground contour and obstacles, resulting in less cutterbar damage. Rolls are in the main frame, not the header.

10 Convenient knife assembly storage compartment allows for convenient in-field changes.

11 Convenient tongue control – A rope control mechanical transport lock is standard on Models 472, and 488. The 1465 is available

with mechanical lock or hydraulic tongue shift. The hydraulic tongue shift is standard on the 499 pivot-tongue.

12 Equal-angle PTO (Models 472, 488, 1465) minimizes drive line vibration, even when making 90° corners.





Specifications

	Model 472	Model 488	Model 1465
Cutterbar width	7'3" (2210 mm)	9'3" (2819 mm)	9'3" (2819 mm)
Overall width			
Operating	11'11" (3632 mm)	13'8- $\frac{1}{4}$ " (4172 mm)	13' 7" (4140 mm)
Transport	10'4- $\frac{3}{4}$ " (3168 mm)	12'2" (3708 mm)	12' (3658 mm)
Overall length			
Operating	13'1" (3988 mm)	13'4" (4064 mm)	12'11" (3937 mm)
Transport	13'1" (3988 mm)	13'4" (4064 mm)	12'11" (3937 mm)
Height			
Operating	3'5- $\frac{3}{4}$ " (1060 mm)	3'6" (1067 mm)	3'6" (1067 mm)
Raised	4'8" (1422 mm)	5'7" (1702 mm)	4'4" (1320 mm)
Weight	2110 lbs. (957 kg)	2763 lbs. (1253 kg)	3021 lbs. (1370 kg)
Drive	540 rpm PTO	540 rpm PTO	540 rpm PTO
Tractor requirement	30-hp (22.4 kw) or greater with standard ASAE hitch and PTO locations	35-hp (26.1 kw) or greater with standard ASAE hitch and PTO locations	35-hp (26.1 kw) or greater with standard ASAE hitch and PTO locations and single hydraulic outlet
Header flotation	Full, lateral	Full, lateral	Full, lateral, independent of conditioning rolls
Header lift			
Guard points maximum lift	18- $\frac{1}{2}$ " (470 mm)	19" (483 mm)	18" (457 mm)
Reel	4-tine bar	4-tine bar	5-tine bar
Peripheral speed	6.2 to 8.2 mph (10.4 to 13.2 kph)	6.5 to 8.6 mph (10.5 to 13.8 kph)	6.2 to 10.1 mph (10 to 16.3 kph)
Diameter (maximum)	3'6- $\frac{1}{4}$ " (1073 mm)	3'6- $\frac{1}{4}$ " (1073 mm)	3'5" (1067 mm)
Cutterbar			
Knives	Bolted, over-serrated sections	Bolted, over-serrated sections	Bolted, over-serrated sections adjustable hold-downs
Guards	Twin-forged steel, double-hardened or stub guards	Twin-forged steel, double-hardened or stub guards	Twin-forged steel, double-hardened or stub guards
Cutting height	Adjustable from 1- $\frac{1}{4}$ " to 4- $\frac{1}{4}$ " (32 to 108 mm)	Adjustable from 1- $\frac{1}{4}$ " to 4- $\frac{1}{4}$ " (32 to 108 mm)	Adjustable from 1- $\frac{1}{2}$ " to 5- $\frac{3}{4}$ " (29 to 146 mm)
Sickle drive	wobble joint	wobble joint	enclosed gearbox
Speed	1632 spm	1632 spm	1650 spm
Stroke	3" (76 mm)	3" (76 mm)	3" (76 mm)
Conditioner	chevron-design intermeshing rubber rolls	chevron-design intermeshing rubber rolls	chevron-design intermeshing rubber rolls
Roll length (crushing area)	85" (2159 mm)	102" (2591 mm)	102" (2591 mm)
Roll diameter	7- $\frac{3}{4}$ " (199 mm)	10- $\frac{3}{8}$ " (264 mm)	10- $\frac{3}{8}$ " (264 mm)
Drives	Individual, #50 roller chain	Individual, #50 roller chain	Gear/shaft
Speed	818 rpm	637 rpm	638 rpm
Pressure	2 to 38 lbs./in. of roll length (0.3 to 6.6 N/mm)	2 to 38 lbs./in. of roll length (0.3 to 6.6 N/mm)	2 to 38 lbs./in. of roll length (0.3 to 6.6 N/mm)
Material discharge	Adjustable gate for swath, window or intermediate widths. Infinitely variable between 38" (965mm) and 72" (1829mm)	Adjustable gate for swath, window or intermediate widths. Infinitely variable between 38" (965mm) and 96" (2438mm)	Adjustable gate for swath, window or intermediate widths. 9 settings between between 38" (965mm) and 96" (2438mm)
Operating speed	up to 8 mph (13 kph)	up to 8 mph (13 kph)	up to 8 mph (13 kph)
Maximum safe transport speed	25 mph (40 kph)	25 mph (40 kph)	25 mph (40 kph)
Tires	25 x 9.50-15 flotation	27 x 9.50-15 flotation	27 x 9.50-15 flotation
Hydraulic cylinders	Optional header lift	Optional header lift	Optional header lift Optional tongue shift

Model 499

.....	12'3" (3734 mm)
.....	19'8" (5994 mm)
.....	13'9" (4191 mm)
.....	16'8" (5080 mm)
.....	21'6" (6553 mm)
.....	6'2-1/2" (1892 mm)
.....	6'8-1/2" (2045 mm)
.....	4480 lbs. (2032 kg)
.....	540 or 1000 rpm PTO hydrostatic system
.....	60-hp (45 kw) or greater with standard ASAE hitch and PTO locations. Two remote hydraulic systems required capable of 1750 psi (12066 kpa).
.....	Full, lateral, independent of conditioning rolls
.....	19-1/2" (495 mm)
.....	Rolareel
.....	standard—4.8 to 7.9 mph (7.7 to 12.7 kph) with reduction kit—4.0 to 6.6 mph (6.5 to 10.7 kph)
.....	3'7-1/2" (1105 mm)
.....	Two opposing assemblies — bolted overserrated sections, adjustable hold-downs
.....	Twin-forged steel, double-hardened or stub guards
.....	Adjustable from 1-1/4" to 6-1/4" (32 to 159 mm)
.....	enclosed gearbox
.....	1700 spm
.....	3" (76 mm)
.....	chevron-design intermeshing rubber rolls
.....	110" (2794 mm)
.....	10-3/8" (264 mm)
.....	Gear/shaft
.....	665 rpm
.....	2 to 38 lbs./in. of roll length (0.3 to 6.6 N/mm)
.....	Adjustable gate for swath, windrow or intermediate widths. 11 settings between 38" (965mm) and 100" (2540mm)
.....	up to 8 mph (13 kph)
.....	25 mph (40 kph)
.....	11L x 14 4-ply agricultural implement (HUT)
.....	Standard header lift
.....	Standard tongue shift

Optional equipment:

- Standard or stub guards (472, 488, 1465)
- Crop dividers (right-hand standard; left-hand optional on 472, 488, 1465)
- Push-bar extension (472, 488, 1465)
- Hydraulic lift kit (standard on 499)
- Hydraulic tongue shift kit (1465 only, standard on 499)
- 12-tooth reel slow-down sprocket (1465 only)
- Reel speed reduction kit (499)
- Hydraulic guard angle adjustment kit (499 only)
- Spare-knife holder kit (standard on 499)
- Center skid shoe kit (499 only)
- Safety tow chain
- Red stop and tail lights (1465 only)
- Knife assembly storage (std on 499, OPT on 472, 488, 1465)

Your choice Standard or stub guards:

To suit your local crop conditions. Standard guards are streamlined for better penetration in fine grasses and thick undergrowth. Stub guards are recommended for use when cutting dead or wet undergrowth since they will not plug as readily.



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Safety begins with a thorough understanding of the equipment. Always make sure you and your operators read the Operator's Manual before using the equipment. Pay close attention to all safety and operating decals and never operate machinery without all shields, protective devices and structures in place.