

# NEW HOLLAND HAYBINE® MOWER-CONDITIONERS



488 | H7150





# THE ORIGINAL IS STILL THE BEST



Introduced in 1964, the 460 Haybine® mower-conditioner was the first invention to combine cutting and conditioning into one machine.

## HAYBINE® MOWER-CONDITIONERS ARE STILL RATED NUMBER ONE IN SMOOTH CUTTING AND PLUG-FREE CONDITIONING.

When it's time to buy a mower-conditioner, go with the one that started it all – the genuine New Holland Haybine® mower-conditioner. Haybine mower-conditioners deliver just what you need during the time-crunch of haymaking. They cut smoothly through heavy crops and condition them thoroughly for fast drying.

## GENUINE HAYBINE® FEATURES MAKE THE DIFFERENCE

So, what IS it that makes a mower-conditioner a genuine “Haybine?” Every Haybine model has the same core features – and it is these features that lead to top-of-the-line field performance and hay quality:

- **Genuine New Holland cutting parts** – twice-hardened guards and efficient, over-serrated knives slice easily and reliably through tough and tangled crops.
- **Full, lateral and radial header flotation** assures you of a close, even cut even when the field is anything but even.
- **New Holland chevron-design rubber rolls** crimp stems for fast drydown without over-conditioning delicate leaves.
- **The plug-free New Holland torsion-bar roll-pressure system** delivers near-constant pressure whether the crop is thick or thin for consistent conditioning, yet releases roll pressure completely if needed to allow slugs to pass.
- **No tools needed to change from swath to windrow** so you can easily adjust the machine to match conditions.





## A WIDE SELECTION OF CUTTING WIDTHS

New Holland offers pull-type Haybine models with cutting widths from 2.8m to 5.56m, so there's a model that's perfect for your needs.

Haybine® Model	Cutting Width	Conditioning Roll Length
488 side pull	2.82m (9' 3")	2.59m (102")
H7150 pivot-tongue	4.34m (14' 3")	2.59m (102")
488 side pull	4.95m (16' 3")	2.59m (102")
488 side pull	5.56m (18' 3")	2.59m (102")





# THE HEART OF EVERY HAYBINE® MODEL

## EXCLUSIVE NEW HOLLAND CHEVRON ROLLS AND A UNIQUE PRESSURE SYSTEM PROVIDE THOROUGH, CONSISTENT CONDITIONING.

The heart of a Haybine® mower-conditioner is the New Holland conditioning system. This system is expressly designed to help you bale or chop sooner, while delivering optimum hay quality.

### CHEVRON-DESIGN ROLLS

New Holland chevron-design intermeshing rubber rolls are 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.

### UNIQUE ROLL PRESSURE SYSTEM

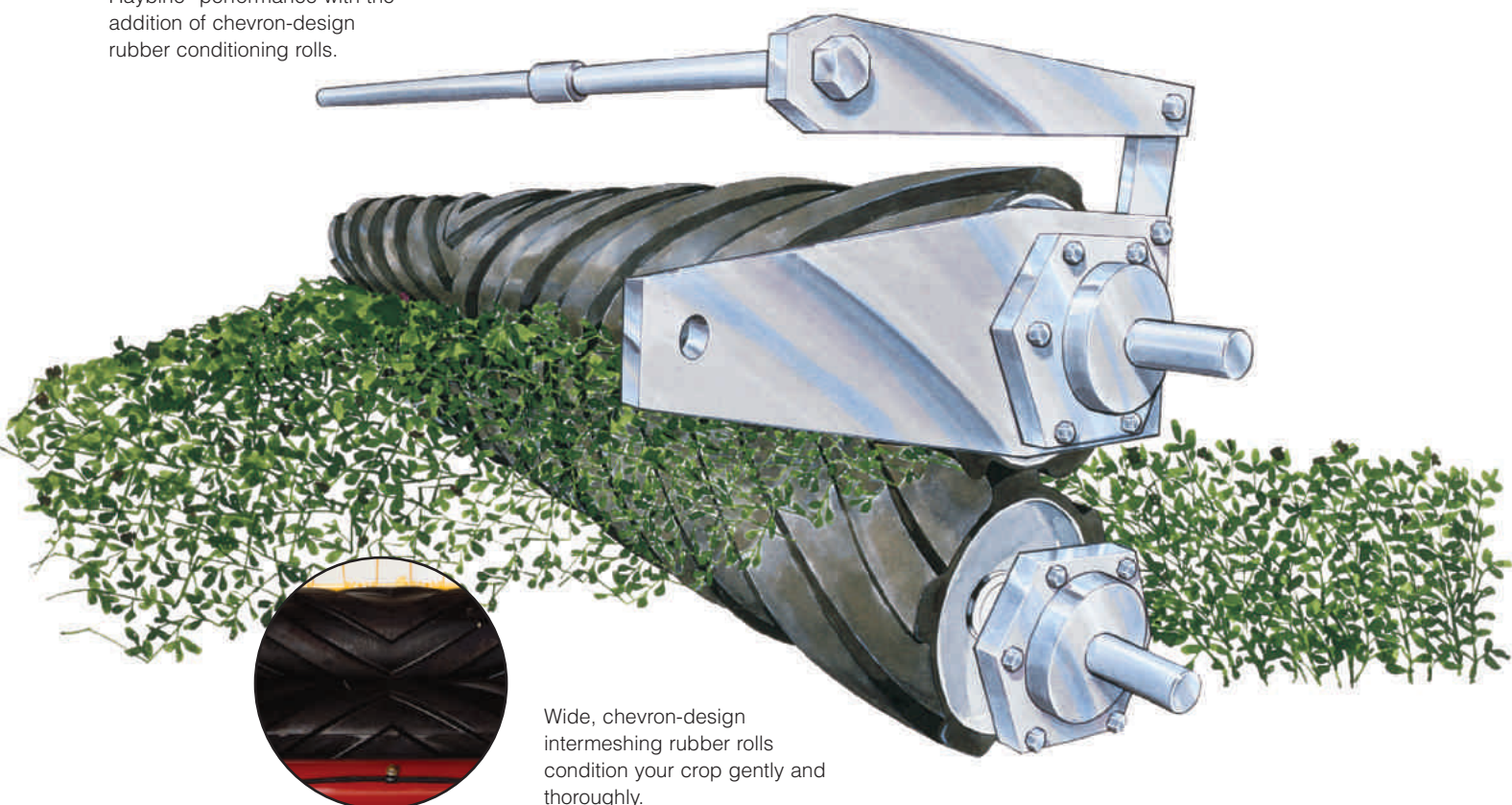
For the most consistent conditioning you'll find anywhere, the New Holland torsion-bar roll-pressure system applies near-constant pressure to your crop, even as the crop mat thickness changes. But, when the rolls reach their maximum opening, the pressure decreases automatically to permit slugs to pass through without plugging, and without stopping! There's no need to stop and raise the header to "power out" the plug like ordinary mower-conditioners. That's a real time-saver.



### INFINITE, NO-TOOLS PRESSURE ADJUSTMENT

A turn of a crank is all it takes to change conditioning pressure to match field conditions. No tools are required to get the exact amount of conditioning needed for your crops. Also important for optimal conditioning is the proper roll gap setting, which controls conditioning intensity and the resulting drydown performance. 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.

In 1966, the 461 advanced Haybine® performance with the addition of chevron-design rubber conditioning rolls.



Wide, chevron-design intermeshing rubber rolls condition your crop gently and thoroughly.



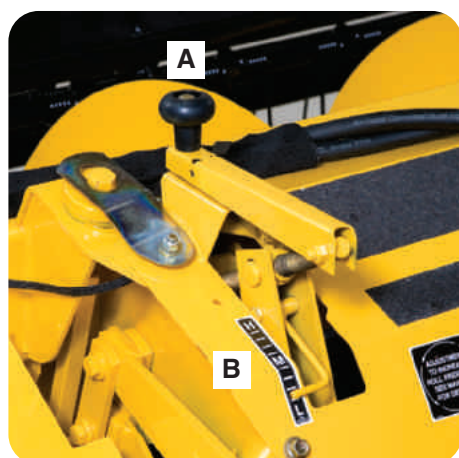
### ADDITIONAL H7150 OPTIONS

Two other conditioning systems are available for more specialized applications:

- Factory-or dealer-installed, high-contact, urethane chevron rolls provide intensive conditioning/ crushing for fast drydown that is best suited for alfalfa harvest in low humidity conditions.
- Dealer-installed slatted steel rolls are best suited for abrasive conditions especially in cane-type crops.



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.



Use this handy crank (A) to adjust roll pressure – no tools needed. A roll pressure indicator (B) is also provided.



A dependable gearbox drives the H7150 conditioning rolls. No chains to adjust!





## SMOOTH, RELIABLE CUTTING



### HIGH-EFFICIENCY FEATURES ASSURE YOU OF CONSISTENT HAYBINE® CUTTING PERFORMANCE

Haybine® mower-conditioners are rated number one in cutting through heavy, down and tangled crops. Smooth, reliable cutting starts with the over-serrated, bolt-on knife sections, adjustable sickle hold-down clips, and square back-bar guards. Haybine headers float laterally and radially, so you're sure to get all the crop when mowing on uneven terrain. And, Haybine sickle drive systems are designed to provide clean cutting with less wear and vibration, and minimum maintenance.

### DUAL, COUNTER-STROKING SICKLES

The H7150 use dual, counter-stroking sickles for smooth, clean cutting performance. They're driven from both sides, operate with less vibration and are easy to service. A heavy-duty, timed wobble drive system on the H7150 provides reliable trouble-free operation. An 1810-spm sickle speed on the H7150 plus a full three-inch stroke combine to provide fast, high-capacity cutting.

### ADJUSTABLE CUTTING ANGLE

You can easily adjust knife and guard angle on the H7150 to suit crop and field conditions. Hydraulic cutting angle adjustment is standard on the H7150, allowing you to make changes on the go right from your tractor seat – an ideal option when working in rocky fields.



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





The 12-foot Haybine model 495 was introduced in 1975. It featured 110-inch-wide conditioning rolls to speed drying time, and offered a lateral transport mode.



A storage location for complete knife assemblies is provided in the header frame.

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



Adjustable header skid shoes allow for quick cutting height adjustment.



Choose 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.

Change from swath to windrow in seconds! Just use the handy lever to adjust the swath gate and you can change from producing a narrow 0.96m windrow to a fast-drying swath up to 2.44m wide or anything in between. The H7150 also features adjustable windrow shields to custom-build windrows or swaths.

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.





## PIVOT-TONGUE CONVENIENCE



In 1983, New Holland introduced the 499. This Haybine model featured pivot-tongue convenience and the unique Rolareel header swept crop from a wide, 12-foot cut into the conditioning rolls without the need for an auger.



### H7150 FEATURE HIGHER CAPACITY, MORE FLEXIBILITY AND ADDED CONVENIENCE

Put a New Holland H7150 Haybine® mower-conditioner to work in your hay fields and you get the capacity of a self-propelled windrower in a highly-maneuvrable pivot-tongue package. Easy adjustments give you plenty of flexibility to adapt to different crops and conditions.

### MAJOR MANOEUVRABILITY

With a H7150, you can mow on either side of the tractor, make square corners, open fields easily, and center the machine directly behind the tractor for easy transport. A tongue-mounted swiveling pump with a 1000-rpm, telescoping PTO hookup allows for sharp turning. The pump mounts on the H7150 tongue frame for easy tractor hookup, improved driveline durability and better manoeuvrability. The H7150 also provides a best-in-class header lift height – 0.635m – to make it easy to clear tall windrows or obstacles.





HS Series header side shields flip up and lock in place for easy maintenance. Hinged shielding on the 499 allows for easy access.

## FIELD TO ROAD

When you're ready to move to another field, the auto-engaging locks for the H7150 tongue and header save you time. Just flip the over-center tongue spring latch and header locks, and fully raise the header hydraulically and center it behind the tractor. The tongue lock and header locks engage automatically, so there's no need to get off the tractor a second time.

## THE H7150 PAIRS TO HS SERIES HEADERS

The H7150 uses the same high-capacity Haybine® headers used on New Holland self-propelled windrowers. The 5.56m width gives you 12% more capacity than most mower-conditioners on the market, and even more than some self-propelled windrowers. The five-bat reel sweeps the crop gently and evenly to the auger. Reel position, reel height, tine pitch angle, and speed are adjustable to suit your conditions.

## UNIQUE FLOATING AUGER

A floating, large diameter auger swallows the heaviest crop and delivers it smoothly to the conditioning rolls. Should a large foreign object be pulled into the header, an auger slip-clutch protects the auger and conditioning rolls from damage. An adjustable floor shield between the auger and conditioning rolls can be set wide to allow dirt, stones or other objects to fall out, minimizing contamination of the crop and potential damage to the auger and conditioning rolls. Or set it to a narrow position to make sure short-stemmed or light crops are delivered into the windrow or swath.



A standard toolbox on the H7150 gives you convenient storage space for tools or spare parts.





MODELS	488	H7150 HS14	H7150 HS16	H7150 HS18
CUTTING WIDTH, mm (ft. in.)	2819mm (9' 3")	4343mm (14' 3")	4953mm (16' 3")	5563mm (18' 3")
DRIVE	540 rpm PTO	1000 rpm PTO	1000 rpm PTO	1000 rpm PTO
TRACTOR HOOKUP	Equal-angle PTO	New patented, tongue-mounted, swiveling pump	New patented, tongue-mounted, swiveling pump	New patented, tongue-mounted, swiveling pump
MINIMUM TRACTOR REQ	35hp (26.1kw) One remote hydraulic circuit required, capable of 1500 psi (10342 kpa)	70hp (52kw) Two remote hydraulic circuits required, capable of 1750 psi (12066 kpa)	70hp (52kw) Two remote hydraulic circuits required, capable of 1750 psi (12066 kpa)	70hp (52kw) Two remote hydraulic circuits required, capable of 1750 psi (12066 kpa)
REEL	4-tine bar	5-bat, all steel, segmented tine bars and full-flex tines	5-bat, all steel, segmented tine bars and full-flex tines	5-bat, all steel, segmented tine bars and full-flex tines
Peripheral speed, kph (mph)	10.5 to 13.8 (6.5 to 8.6)	10.46 to 17.54 (6.5 to 10.9)		
Speed Adjustment	Variable sheave	Variable sheave	Variable sheave	Variable sheave
Diameter (maximum), mm (ft. in.)	1073mm (3' 6-1/4")	1067mm (3' 6")	1067mm (3' 6")	1067mm (3' 6")
Adjustments	Fore/aft, vertical, pitch	Fore/aft, vertical, pitch	Fore/aft, vertical, pitch	Fore/aft, vertical, pitch
Drive	Belt and chain	Belt and chain	Belt and chain	Belt and chain
Bushings/bearings, mm (in.)	31.75mm (1.25) bearing w/collar at cam end and bushings at all other locations	31.75mm (1.25) bearing w/collar at cam end and bushings at all other locations	31.75mm (1.25) bearing w/collar at cam end and bushings at all other locations	31.75mm (1.25) bearing w/collar at cam end and bushings at all other locations
CUTTERBAR	One assembly	Two opposing assemblies, timed, dual, counter-stroking sickles	Two opposing assemblies, timed, dual, counter-stroking sickles	Two opposing assemblies, timed, dual, counter-stroking sickles
Knives	Bolted, over-serrated sections, adjustable hold-downs	Bolted, over-serrated sections, adjustable hold-downs	Bolted, over-serrated sections, adjustable hold-downs	Bolted, over-serrated sections, adjustable hold-downs
Guards	Twin, forged steel, double-hardened	Twin, forged steel, double-hardened	Twin, forged steel, double-hardened	Twin, forged steel, double-hardened
Cutting height, mm (in.)	32 to 108mm (1.25 to 4.25)	30 to 157mm (1.2 to 6.2)	30 to 157mm (1.2 to 6.2)	30 to 157mm (1.2 to 6.2)
Cutting angle, degrees	-7 or -10	-6 to -12	-6 to -12	-6 to -12
Hydraulic tilt	NA	Standard	Standard	Standard
Guard points max lift, mm (in.)	483mm (19)	635mm (25)	635mm (25)	635mm (25)
Skid shoes	2	4	4	4
Sickle drive	wobble joint	Open, dual wobble	Open, dual wobble	Open, dual wobble
Sickle speed, spm	1632	1810	1810	1810
Sickle stroke, mm (in.)	76mm (3)	76mm (3)	76mm (3)	76mm (3)
AUGER	NA	Single, full floating, (20-in) 508mm auger with (5 in) 178mm flighting	Single, full floating, (20-in) 508mm auger with (5 in) 178mm flighting	Single, full floating, (20-in) 508mm auger with (5 in) 178mm flighting
Floating range, mm (in.)		50.8mm (2)	50.8mm (2)	50.8mm (2)
Speed, rpm		287	287	287
CONDITIONER	Chevron-design intermeshing molded rubber rolls, torsion-bar roll pressure, single hand-crank adjustment	Chevron-design intermeshing molded rubber rolls, torsion-bar roll pressure, single hand-crank adjustment	Chevron-design intermeshing molded rubber rolls, torsion-bar roll pressure, single hand-crank adjustment	Chevron-design intermeshing molded rubber rolls, torsion-bar roll pressure, single hand-crank adjustment
Roll length (crushing area), mm (in.)	2591mm (102)	2591mm (102)	2591mm (102)	2591mm (102)
Roll diameter, mm (in.)	264mm (10-3/8)	263.5mm (10.375)	263.5mm (10.375)	263.5mm (10.375)
Drives	Individual, #50 roller chain	Spur drive gearbox and PTOs	Spur drive gearbox and PTOs	Spur drive gearbox and PTOs
Speed, rpm	637	717	717	717
Pressure, N/mm (lbs./in.)	0.3 to 6.6 (2 to 38)	0.3 to 6.6 (2 to 38)	0.3 to 6.6 (2 to 38)	0.3 to 6.6 (2 to 38)
Roll gap adjustment	Shims	Wrench	Wrench	Wrench
Material discharge, mm (in.)	Adjustable gate for swath, windrow or intermediate widths 965 and 2438 (38 and 96)	Adjustable gate for swath, windrow or intermediate widths 965 to 2438 (38 to 96)	Adjustable gate for swath, windrow or intermediate widths 965 to 2438 (38 to 96)	Adjustable gate for swath, windrow or intermediate widths 965 to 2438 (38 to 96)
OPERATING SPEED, kph (mph)	13 (up to 8)	13 (up to 8)	13 (up to 8)	13 (up to 8)
Max safe transport speed, kph (mph)	32 (20)	32 (20)	32 (20)	32 (20)
TYRES	27 x 9.50-15 flotation	31 x 13.50-15, 8PR agricultural Implement	31 x 13.50-15, 8PR agricultural Implement	31 x 13.50-15, 8PR agricultural Implement
HYDRAULIC CYLINDERS	Optional header lift	Standard header lift	Standard header lift	Standard header lift
	Rope control	Standard tongue shift	Standard tongue shift	Standard tongue shift
DIMENSIONS				
Overall width, operating, mm (ft. in.)	4172mm (13'8-1/4")	4953mm (16'3")	5563mm (18' 3")	6172mm (20' 3")
Overall width, transport, mm (ft. in.)	3708mm (12'2")	4953mm (16' 3")	5563mm (18' 3")	6172mm (20' 3")
Overall length, transport, mm (ft. in.)	4064mm (13'4")	7900mm (25' 11")	7900mm (25' 11")	9020mm (29' 7")
Overall height, operating, mm (ft. in.)	1067mm (3' 6")	1850mm (6' 1")	1850mm (6' 1")	1850mm (6' 1")
Overall height, raised, mm (ft. in.)	1702mm (5' 7")	2030mm (6' 8")	2030mm (6' 8")	2030mm (6' 8")
WEIGHT, kg (lbs.)	1253mm (2763)	3096mm (6,825)	3196mm (7,045)	3332mm (7,345)



#### OPTIONAL EQUIPMENT:

- Stub guards (488, H7150 from parts)
- Crop dividers (right-hand standard on 488)
- Push-bar extension (488)
- Knife assembly storage (standard on H7150)
- High-contact chevron conditioning rolls (H7150)





# NEW HOLLAND. A REAL SPECIALIST IN YOUR AGRICULTURAL BUSINESS.



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31-53 Kurrajong Road, St Marys NSW 2760



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.

The data indicated in this folder is approximate. The models described here can be subjected to modifications without any notice by the manufacturer. The drawings and photos may refer to equipment that is either optional or intended for other countries. Please apply to our Sales Network for any further information. Published by New Holland Brand Communications. Bts Adv. - Printed in Australia - Haybine 06/09