

DISCBINE® DISC MOWER-CONDITIONERS

H7220 | H7320 | H7230 | H7330 | H7450 | H7550 | H7460 | H7560



THE TOUGHER THE CONDITIONS, THE BETTER DISCBINE® PERFORMS

Even in tough conditions, Discbine® disc mower-conditioners quickly turn heavy crop into fast-drying windrows or wide swaths. They slice through thick, down and tangled, wet crops and cut through fire ant hills and gopher mounds like they are not even there.

New Holland's extensive line of Discbine disc mower-conditioners gives you plenty of choices. From the economical seven-disc models with a modest, nine-foot cut up to the highly productive 12-disc models that quickly mow down 15' 7" in every pass, there's a model that matches your acreage and operation.

MOWMAX™ CUTTERBAR ADVANTAGE

Discbine disc mower-conditioners feature the latest advances in cutterbar technology: the MowMax™ true modular cutterbar with ShockPRO™ disc drive hubs. If you hit a foreign object in the field, the ShockPRO hub absorbs the shock of the impact before damage to drive components occurs. Best of all, the cutterbar is covered by three-year MowMax™ protection.



3-YEAR MOWMAX PROTECTION

A CHOICE OF CONDITIONING SYSTEMS FOR FAST DRYING

You'll harvest crops more quickly and produce more nutritious, high-value feed thanks to New Holland conditioning systems. Choose the gentle conditioning of rubber chevron-intermeshing rolls that save the delicate leaves, steel chevron-intermeshing rolls for winter forage or long-stem and cane grasses, or New Holland's **LeaningEdge™** flail conditioning system for fast drying of grass hay.

YOUR CHOICE OF TONGUE DESIGNS

Flexible side-pull Discbine models are available with economical straight- and bent-tongue configurations with a standard drawbar or a bent tongue with optional swivel hitches for easier cornering and improved maneuverability. The versatile, center-pivot Discbine models let you cut at any angle—to either side or directly behind the tractor—with outstanding maneuverability while cutting and transporting.

Model	No. of discs	Cutting width	Conditioning system
H7220	7	9'2"	Rubber rolls
H7320	7	9'2"	LeaningEdge™ Flails
H7230	8	10'4"	Rubber or Steel rolls
H7330	8	10'4"	LeaningEdge™ Flails
H7450	10	13'	Rubber or Steel rolls
H7550	10	13'	LeaningEdge™ Flails
H7460	12	15'7"	Rubber or Steel rolls
H7560	12	15'7"	LeaningEdge™ Flails







ADVANCED MOWMAX™ TRUE MODULAR DISC CUTTERBAR TECHNOLOGY

New Holland's MowMax™ cutterbar sets the industry standard. It's the secret to smooth, quiet, trouble-free mowing—and fast, inexpensive cutterbar servicing. Driven through individually sealed gearboxes with dedicated oil reservoirs, discs are never at risk for oil starvation, even while cutting on side hills and inclines. Don't worry about costly repairs. If the mower hits an obstruction in the field, the damage to a module is isolated and fully contained minimizing risk to the other modules.

CLEANER MOWMAX CUTTING

The MowMax cutterbar features new, lower-profile-design rock guards to allow closer cutting at a flatter cutting angle. This design allows the cutterbar to run more lightly on the ground for less wear, less damage and a more consistent cut height. Adjustable header flotation springs and on-the-go cutting height adjustment allow you to get all of your valuable crop without scalping or knife damage.

SHOCKPRO™ PROTECTION

MowMax cutterbars are equipped with the added protection of ShockPRO™ disc drive hubs. The ShockPRO hubs absorb the impact before damage to drive components can occur and are quick to replace in the field so you can keep harvesting when the weather is right.

3-YEAR MOWMAX™ PROTECTION

You not only get the best disc cutting performance in the business, you get the peace of mind of 36 months of protection coverage. That's two years of additional protection on the MowMax cutterbar after the base one-year warranty on the full machine. It's a New Holland exclusive.



The New Holland ShockPRO™ hub heads off potential damage to gears and module drive shafts. It saves you hassle, time, and repair costs.



The New Holland Discbine design ensures long life and maximum capacity, even in the toughest conditions:

- To withstand punishing conditions, austempered ductile steel discs provide extra hardness, toughness and durability.
- To avoid disc and knife damage in rocky fields, simply adjust the cutting angle hydraulically from the tractor cab (not standard on the H7220/H7320).
- For maximum durability, rock guards are made of ductile iron, not stamped sheet metal like some units.
- For optimum flotation and protection of the crop stubble, skid shoes are 8-inches wide and extend behind the module a full two inches.



Pairs of counter-rotating discs spin at 3,000 rpm for fast, clean cutting without plugging.

The Discbine header is suspended independently from the trail frame, allowing it to closely follow changing ground contours and reducing stubble damage and skid shoe wear.

REPLACEMENT KNIVES TO MATCH FIELD CONDITIONS

Choose from four replacement knives to match your field conditions. All feature two cutting edges for double the life. Simply flip over the knives when the front edge dulls. Plus, you easily change the knives from the front—no need to reach from the back of the cutterbar.



Rock

7°

14°

- 14° smooth knives for extra lift and clean cutting (standard)
- 14° serrated knives extend wear life in abrasive conditions
- 7° smooth knives cut clean with less ash content in the hay
- Rock knives for more durability in rocky or stony conditions

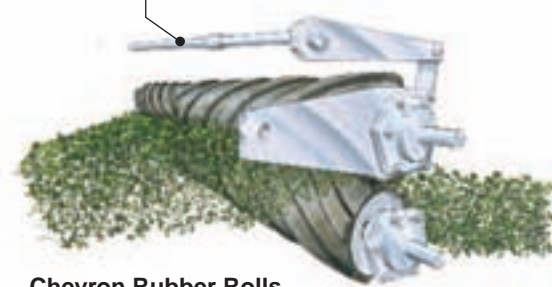
CHOICE OF ROLL OR FLAIL CONDITIONING

New Holland's offers a wide selection of conditioning systems to help you beat the weather and produce nutritious, high-quality feed that improves animal production.

CHEVRON RUBBER INTERMESHING ROLLS

Gentle chevron rubber intermeshing rolls provide full stem crimping and cracking with a scrubbing action while handling high-feed-value leaves delicately, making it the ultimate solution for alfalfa and clover. This is possible because of the large 10.4-inch roll diameter, the rubber compound, the intermeshing fit and profile of the lugs. These features work together to grip the crop and generate an even flow crop through the rolls to provide an even spread into fast drying swaths or windrows.

Torsion-bar roll-pressure system



Chevron Rubber Rolls



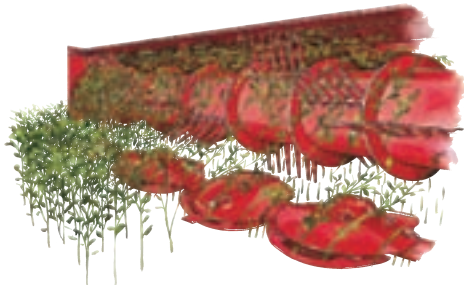
CHEVRON STEEL INTERMESHING ROLLS:

Durable chevron steel intermeshing rolls are designed for use with all crops, but show a real advantage in cane-type crops, grain forage crops and extra-tall grass crops. The chevron pattern of the steel lugs provides aggressive full stem crimping, smooth crop flow, and even distribution into fast drying swaths or windrows. Rugged all-steel roll construction resists wear better than rubber, providing a long life even in highly abrasive conditions.

TORSION-BAR ROLL-PRESSURE SYSTEM

Year after year, New Holland's torsion-bar roll-pressure system has proven to be the most effective design for delivering consistent, thorough conditioning. The no-tools-required hand crank makes it easy to tailor roll pressure to the crop without crawling under the machine with wrenches. The unique, over-center linkage momentarily relieves roll pressure, allowing crop slugs or foreign objects to pass without plugging for non-stop mowing.





LeaningEdge™ Flail



FLAIL CONDITIONING FOR GRASS CROPS

The New Holland **LeaningEdge™** flail design delivers more effective conditioning of grass crops for fast drying. The 20-degree tangent of **LeaningEdge™** flails causes more outward pressure, pushing crop against the adjustable hood for more aggressive conditioning, and releasing at the ideal moment to prevent carry-around for uniform, fast-drying swaths or windrows. For delicate conditioning of legumes and grass mixtures, raise the hood position for more gentle handling. Or, for maximum conditioning, increase flail rotor speed and add the dimpled hood liner.

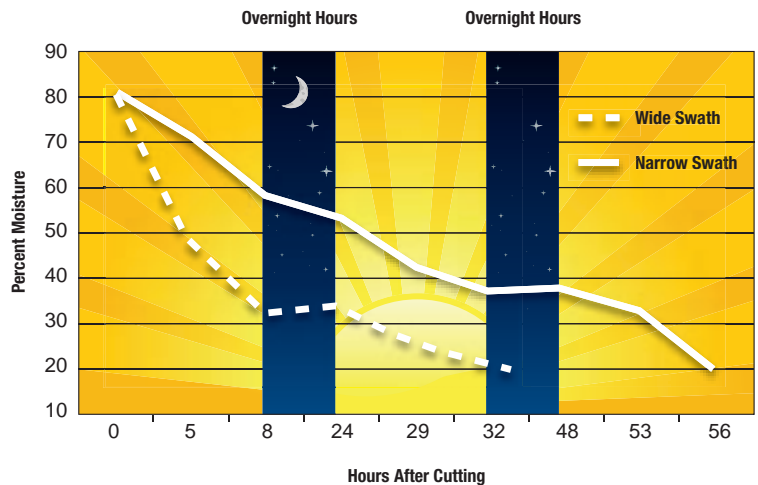
FROM SWATH TO WINDROW, FAST AND EASY

All Discbine® models feature fast and easy windrow shield and swathgate adjustments, without tools, so you can quickly adjust to crop and moisture conditions and your harvesting method. Spread the cut crop in a fast-drying swath or into a tight, three-foot-wide windrow that's ready to bale or chop.

WIDE AND THIN CROP SPREADING SPEEDS DRYING

The wide and thin crop-spreading deflector kit spreads crop to the full width of cut, exposing more crop to the sun and providing faster drydown. University tests confirm that the more leaves are exposed to the sun, the faster crops dry and the more feed value is retained. Quick drying reduces sun bleaching and gives you an advantage when you need to beat the weather and bale or chop before the rain. The kit is fitted to the swathgate with the windrow shields removed. Visit your New Holland dealer for complete details.

EFFECT OF WIDE SWATH VS NARROW SWATH DRYING RATE.



[Source: University of Wisconsin-Extension, Arlington, WI, July 30 and 31, 2007]

TURN A NEW CORNER WITH DISCBINE® PRODUCTIVITY

Maneuverability has always been a given with Discbine® disc mower-conditioner. You can turn, pivot and cut clean around tight corners to mow more acres every day. From the agile seven-disc models to the largest 12-disc models, Discbine disc mower-conditioners provide you with outstanding control and maneuverability that reduces fatigue and improves productivity.



A new swivel hitch option available on the H7230 and H7330 allows for maximum maneuverability in the field and when transporting.



H7220 AND H7320 – SIDE-PULL (Standard Straight Tongue)

The 9'2" cutting width and narrow transport of the side-pull H7220 and H7320 models makes them ideal for mowing tight spaces and accessing smaller farm gates. The 540-rpm drive and low power requirement means you can mow and condition your crop for fast drying with as little as 65 PTO horsepower.

H7230 AND H7330 – SIDE-PULL (Standard Bent Tongue)

The unique New Holland bent-tongue design provides extra tire clearance for tighter turns to the right, providing outstanding maneuverability in small or oddly shaped fields. The wider 10'4" cutting width cuts more acres per hour and is well suited to tractors with just 80 PTO horsepower. The standard hitch offers simple drawbar attachment and the choice of 540- or 1000-rpm drive, a constant velocity PTO that allows you to cut square corners without PTO vibration or noise.

H7230 AND H7330 – SIDE-PULL (Optional Swivel Hitch Tongue)

For maximum productivity both in the field and on the road—add the new swivel hitch option. It couples the advantages of the standard bent-tongue design with the extreme maneuverability of a swivel hitch. Turn beyond 90° to the right for smooth clean cutting around tight corners. The swivel gearbox maintains the PTO angle straight through the turn eliminating constant velocity joints and extending driveline life and reliability.

Both the two-point and drawbar swivel designs maneuver easily when transporting and attach quickly to your tractor. The drawbar swivel uses a slip-fit drawbar extension that uncouples easily. Simply remove the pin so your tractor is ready for other jobs. There's no need to rigidly bolt, then unbolt, the extension on the drawbar. Two-point attachment eliminates the hitch pin and provides added clearance over large windrows.

H7450, H7550, H7460 and H7560 CENTER-PIVOT

The center-pivot tongue design allows the tongue to swing 38.5° to the right or left so you can cut on either side or directly behind the tractor and mow around obstacles—even on slopes—to get all the crop. The outstanding center-pivot, turn-and-go maneuverability allows rapid headland cycle times and provides straight windrows or swaths to improve your harvesting productivity.

H7450 AND H7550 CENTER-PIVOT (Optional Swivel Hitch)

H7460 AND H7560 CENTER-PIVOT (Standard Swivel Hitch)

For making turns greater than 90°, tight headland turns, and smooth cutting around field obstacles, this is the tongue design you need. It provides the ideal combination of control and exceptional maneuverability of a swivel hitch. Cut to either side or directly behind the tractor—whatever the field conditions and cutting patterns demand, the swivel gearbox maintains the PTO angle straight through the turn, extending driveline life and reliability.



TECHNICAL SPECIFICATIONS

Models	H7220	H7320	H7230	H7330
MOWMAX™ CUTTERBAR WITH SHOCKPRO™ HUBS				
Number of discs	7	7	8	8
Number of knives	14 (2 per disc)	14 (2 per disc)	16 (2 per disc)	16 (2 per disc)
Speed, rpm	3000	3000	3000	3000
Cutting width, ft. in. (mm)	9' 2" (2800)	9' 2" (2800)	10' 4" (3160)	10' 4" (3160)
Cutting angle	.....2 to 10 degrees, mechanical or hydraulic control ....		.....2 to 10 degrees, hydraulic control.....	
Cutting height, in. (mm)	.....0.95 to 3.2 (24 to 81) with standard skid shoes.....			
Ground clearance with header fully raised, in. (mm)	17 (432)	17 (432)	18 (457)	17 (432)
Flotation	.....Vertical and lateral, adjustable springs.....			
MATERIAL DISCHARGE				
Swath, ft. (mm)	6 (1829)	6 (1829)	7 (2134)*	7 (2134)*
Windrow, ft. (mm)	.....Adjustable from 3 to 6 (914 to 1829).....		.....Adjustable from 3 to 7 (914 to 2134).....	
HYDRAULICS				
Hydraulic swing	.....Standard (double-acting cylinder).....			
Hydraulic lift	.....Standard (operated by two single-acting cylinders; master/slave).....			
Hydraulic tilt	.....Optional (operated by single-acting cylinder and incorporated into the lift system)		.....Standard (operated by single-acting cylinder and..... incorporated into the lift system)	
CONDITIONER				
Type	Chevron-design intermeshing molded rubber rolls	Flail rotor with 90 tapered flails and optional textured hood liner	Chevron-design intermeshing molded rubber or steel rolls	Flail system with 100 tapered flails and optional textured hood liner
Length, in. (mm)	90 (2286)	90 (2286)	102 (2591)	102 (2591)
Diameter, in. (mm)	10.4 (264)	22 (560)	10.4 (264)	22 (560)
Drive	4 HB V-belt and enclosed gears	4 HB V-belt	4 HB V-belt and enclosed gears	4 HB V-belt
Speed, rpm	647	1016 std. or optional 730	635	1000 std. or optional 718
Conditioner Adjustment	Single crank adjustable roll pressure and two stop bolts to adjust roll gap	Adjustable rotor hood with replaceable smooth liner	Single crank adjustable roll pressure and two stop bolts to adjust roll gap	Adjustable rotor hood with replaceable smooth liner
SPEEDS				
Operating, mph (kph)	0 to 9 (0 to 14.5)	0 to 9 (0 to 14.5)	0 to 9 (0 to 14.5)	0 to 9 (0 to 14.5)
Transport, mph (kph)	20 (32)	20 (32)	20 (32)	20 (32)
TUBELESS AG RIB IMPLEMENT TIRES				
Size	9.5L x 14 6PR	9.5L x 14 6PR	11L x 15 6PR	9.5L x 14 6PR
DIMENSIONS				
Height, Transport, ft. in. (m)	5' 8" (1.7)	5' 8" (1.7)	5' 8" (1.7)	5' 8" (1.7)
Height, Operating, ft. in. (m)	4' 5" (1.3)	4' 5" (1.3)	4' 5" (1.3)	4' 5" (1.3)
Width, Transport, ft. in. (m)	.....9' 11" (3.0) with standard drawbar hitch.....		.....11' 3" (3.4) with standard drawbar hitch.....	
Width, Operating, ft. in. (m)	.....14' 10" (4.52) with standard drawbar hitch.....		.....16' 0" (4.6) with standard drawbar hitch.....	
Length, Transport, ft. in. (m)	.....17' 7" (5.3) with standard drawbar hitch.....		.....17' 7" (5.3) with standard drawbar hitch..... 19' 9" (6.0) w/swivel hitch 20' 3" (6.2) w/swivel hitch	
Length, Operating, ft. in. (m)	.....17' 2" (5.2) with standard drawbar hitch.....		17' 2" (5.2) w/std drawbar hitch 17' 8" (5.4) w/std drawbar hitch 19' 4" (5.9) w/swivel hitch 19' 10" (6.0) w/swivel hitch	
Weight, Operating lbs. (kg)	3,690 (1674)	3,740 (1696)	4,165 (1889)	4,065 (1844)
DRIVE				
Type	.....540 rpm PTO, enclosed gears and four HB belt.....		..540 or 1000 rpm PTO, enclosed gears and four HB belt .......540 rpm PTO only for swivel hitch option.....	
HITCH/TONGUE				
Type	.....Side pull straight/standard.....		.....Side pull curved/standard/swivel with drawbar or 2-point hookup	
DRIVE PROTECTION				
Type	.....Slip clutch and over-running clutch.....			
TRACTOR REQUIREMENT				
	.....65 PTO hp (48 kW)+ or greater with standard..... ASAE Category II drawbar		..... 80 PTO hp (60 kW)+ or greater with standard..... ASAE Category II drawbar	
	.....All models require two remote hydraulic valves capable of 1500 psi (10343 kPa), 7-pin SAE J560 connector for transport lights....			

NOTE: Rear curtain up for transport position on flail units. Windrow shields out for field and transport positions on flail and roll units.

+NOTE: Minimum horsepower will not be optimum in all conditions. Add 33% to 55% more power for tough conditions.

*With the wide thin fin kit installed, swath width can be up to the full width of cut.

Models	H7450	H7550	H7460	H7560
MOWMAX™ CUTTERBAR WITH SHOCKPRO™ HUBS				
Number of discs	10	10	12	12
Number of knives	20 (2 per disc)	20 (2 per disc)	24 (2 per disc)	24 (2 per disc)
Speed, rpm	3000	3000	3000	3000
Cutting width, ft. in. (mm)	13 (3960)	13 (3960)	15' 7" (4795)	15' 7" (4795)
Cutting angle	.....2 to 10 degrees, hydraulic control			
Cutting height, in. (mm)	.....0.95 to 3.2 (24 to 81) with standard skid shoes.....			
Ground clearance with header	18 (457)	18 (457)	18 (457)	18 (457)
Flotation	.....Vertical and lateral, adjustable springs.....			
MATERIAL DISCHARGE				
Swath, ft. (mm)	8 (2438)*	8 (2438)*	8 (2438)*	8 (2438)*
Windrow, ft. (mm)	.....Adjustable from 3 to 8 (914 to 2438).....			
HYDRAULICS				
Hydraulic swing	.....Standard (double-acting cylinder)			
Hydraulic lift	.....Standard (operated by two single-acting cylinders; master/slave).....			
Hydraulic tilt	.....Standard (operated by single-acting cylinder and incorporated into the lift system).....			
CONDITIONER				
Type	Chevron-design intermeshing molded rubber or steel rolls	Flail system with 100 tapered flails and optional textured hood liner	Chevron-design intermeshing molded rubber or steel rolls	Flail system with 100 tapered flails and optional textured hood liner
Length, in. (mm)	102 (2591)	102 (2591)	102 (2591)	102 (2591)
Diameter, in. (mm)	10.4 (264)	22 (560)	10.4 (264)	22 (560)
Diameter, in. (mm)	4 HB V-belt and enclosed gears	4 HB V-belt	4 HB V-belt and enclosed gears	4 HB V-belt
Speed, rpm	740	1011 standard or optional 726	740	1000 standard or optional 726
Conditioner Adjustment	Single crank adjustable roll pressure and two stop bolts to adjust roll gap	Adjustable rotor hood with replaceable smooth liner	Single crank adjustable roll pressure and two stop bolts to adjust roll gap	Adjustable rotor hood with replaceable smooth liner
SPEEDS				
Operating, mph (kph)	0 to 9 (0 to 14.5)	0 to 9 (0 to 14.5)	0 to 9 (0 to 14.5)	0 to 9 (0 to 14.5)
Transport, mph (kph)	20 (32)	20 (32)	20 (32)	20 (32)
TUBELESS AG RIB IMPLEMENT TIRES				
Size	31 x 13.5-15	31 x 13.5-15	31 x 13.5-15	31 x 13.5-15
DIMENSIONS				
Height, Transport, ft. in. (m)	6' 8" (2.6)	6' 8" (2.6)	6' 8" (2.6)	6' 8" (2.6)
Height, Operating, ft. in. (m)	5' 8" (1.7)	5' 8" (1.7)	5' 8" (1.7)	5' 8" (1.7)
Width, Transport, ft. in. (m)	.....13' 2" (4.0) with standard drawbar hitch .....		.....15' 9" (4.8) with 2-pt swivel hitch or drawbar swivel hitch	
	or 2-pt swivel hitch or drawbar swivel hitch			
Width, Operating, ft. in. (m)	.....19' 5" (5.9) with standard drawbar hitch .....		.....24' 11" (7.6) with 2-pt swivel hitch	
	21' 3" (6.5) with 2-pt swivel hitch		23' 3" (7.1) with drawbar swivel hitch	
	19' 7" (5.9) with drawbar swivel hitch			
Length, Transport, ft. in. (m)	.....24' 7" (7.2) with standard drawbar hitch .....		.....30' 5" (9.3) with 2-pt swivel hitch	
	26' 5" (8.1) with 2-pt swivel hitch		29' 5 in. (8.7) with drawbar swivel hitch	
	25' 5" (7.4) with drawbar swivel hitch			
Length, Operating, ft. in. (m)	20' 2" (5.8) w/std drawbar hitch	20' 8" (6.3) w/std drawbar hitch	.....25' 2" (7.7) with 2-pt swivel hitch	
	22' 1" (6.7) w/2-pt swivel hitch	22' 7" (6.9) w/2-pt swivel hitch	.....24' 2" (7.4) with drawbar swivel hitch	
	21' 1" (6.1) w/drawbar swivel hitch	21' 7" (6.6) w/drawbar swivel hitch		
Weight, Operating lbs. (kg)	5,800 (2631)	5,680 (2576)	6,500 (2948)	6,380 (2894)
DRIVE				
Type	.....1000 rpm PTO, enclosed gears and four HB belt			
HITCH/TONGUE				
Type	.....Center pull/standard/swivel with drawbar or 2-point hookup.....			
DRIVE PROTECTION				
Type	.....Slip clutch and over-running clutch			
TRACTOR REQUIREMENT				
	.....90 PTO hp (67 kW)+ or greater with standard Category II,.....		.....100 PTO hp (74.5 kW)+ or greater with Category III	
	or Category III drawbar or Category III 3-point hitch		drawbar or Category III 3-point hitch.	
	.....All models require two remote hydraulic valves capable of 1500 psi (10343 kPa), 7-pin SAE J560 connector for transport lights			



VALUE, SERVICE AND SOLUTIONS

There's a certain way of thinking that comes from living on a farm. Farming takes equal parts brain and brawn. Not to mention thick skin, calloused hands and a fair share of know how. Seasoned farmers know it helps to have equipment that's built by farmers, sold by farmers and used by farmers. You might call that instinct, but we call it FARM RAISED.

Support at every step. When you place your confidence in New Holland agricultural equipment, you get the finest in local support. Your New Holland dealer understands the many challenges you face and stands behind you at every step with the equipment, parts, service and financial solutions to make your job easier. Look to New Holland for a complete selection of equipment, including a full line of tractors, hay & forage equipment, harvesting, crop production and material handling equipment.

Quality parts and service. Turn to your New Holland dealer after the sale for expert, factory-trained service and genuine New Holland-branded parts. Your dealer has the very latest service updates and training to ensure your equipment keeps working productively season after season.

Financing solutions. Your New Holland dealer can tell you about smart ways to turn your financial challenges into opportunities with a portfolio of innovative financial services available through CNH Capital, including customized financing, leasing, insurance and the purchasing convenience of a Commercial Revolving Account.

For reliable equipment, parts and service — or just honest advice on farming and finance — turn to New Holland and your trusted New Holland dealer. We know. We're farmers, too.

NEW HOLLAND TOP SERVICESM

TOTAL SUPPORT, TIMELY INFORMATION FOR NEW HOLLAND CUSTOMERS.



TOP AVAILABILITY

Year-round support and information — just by calling one toll-free number.

TOP SPEED

Express parts delivery when and where you need it.

TOP PRIORITY

Fast-track solutions maximize your productivity — because your harvest can't wait.

TOP SATISFACTION

We drive and track the solution you need, keeping you informed — until you are back to work.

TOP SERVICE IS MANAGED IN CLOSE PARTNERSHIP WITH NEW HOLLAND DEALERS AND SERVICE TEAMS.



We are proud to support the FFA.

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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.