The world’s highest capacity combine. Fact.

New Holland revolutionized the way farmers harvested over 40 years ago with the introduction of groundbreaking Twin Rotor™ technology for combines. Today’s latest generation of CR combines continues the pure rotary bloodline and offers the world’s farmers world-beating grain and straw quality thanks to the gentle multi-pass action. The range topping CR10.90 is the most powerful and productive CR to date. The Harvest Suite™ Ultra cab and innovative features such as the SmartTrax™, IntelliCruise™, IntelliSteer®, Opti-Spread™ and Dynamic Feed Roll™ technology, continue to ensure that the CR range is among the most advanced and productive harvesters in the world.

Real conditions. Unbelievable performance.
On 15th August 2014, in Wragby UK, the CR10.90 obliterated the current harvesting record for the most wheat harvested in eight hours. During the record it harvested 797.656 tonnes of wheat in under eight hours, with peak capacity of 135 tonnes/hour in real world conditions.
CR range: rotary combining excellence

Today’s six model CR range has undergone an extensive testing programme in just about every crop and condition possible across the globe. This means that you can use your CR safe in the knowledge that it will perform on your farm.

<table>
<thead>
<tr>
<th>Models</th>
<th>Grain header cutting width (m)</th>
<th>Maize headers Number of rows</th>
<th>Max Power (hp(CV))</th>
<th>Rotor size (inch)</th>
<th>Grain tank capacity (l)</th>
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<tbody>
<tr>
<td>CR7.90</td>
<td>4.88 - 10.67</td>
<td>6 / 8 / 12</td>
<td>449</td>
<td>17</td>
<td>9500/11500</td>
</tr>
<tr>
<td>CR8.80</td>
<td>6.10 - 10.67</td>
<td>6 / 8 / 12</td>
<td>496</td>
<td>17</td>
<td>12500</td>
</tr>
<tr>
<td>CR8.90</td>
<td>6.10 - 12.50</td>
<td>6 / 8 / 12</td>
<td>517</td>
<td>22</td>
<td>12500</td>
</tr>
<tr>
<td>CR9.80</td>
<td>6.10 - 12.50</td>
<td>8 / 12</td>
<td>571</td>
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<td>8 / 12</td>
<td>653</td>
<td>22</td>
<td>14500</td>
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New CR. Enter a new harvesting dimension.

**Outstanding capacity**
The range topping 653hp(CV) FPT Industrial Cursor 16 Diesel Engine of the Year 2014, powering the CR10.90, delivers efficient power and when combined with advanced harvesting technology, including IntelliSteer® auto guidance, you can harvest around the clock. Twin Pitch Plus rotor technology can improve capacity in high moisture conditions by up to 10%. The optional Dynamic Feed Roll™, with integrated dynamic stone protection, has improved already impressive capacity by up to 10% as well as enhancing crop flow into the rotors and reducing grain crackage. The CR, keeps going as long as you do.

**Superior harvest quality**
Unsurpassed grain and straw quality is guaranteed courtesy of gentle, yet highly efficient Twin Rotor™ technology. Grain cracking is a thing of the past with an industry leading figure as low as 0.1%. Dynamic Feed Roll™ technology provides the most efficient on-the-go stone collection and the new serrated blades are even gentler on straw. Opti-Clean™ technology ensures the cleanest grain sample and you can choose between two types of rotor to match your individual harvesting needs.

**Lower operating costs**
Fitted to the CR7.90, eCOBlue™ SCR technology for Tier 4A compliance will significantly reduce your operating costs, by lowering your fuel consumption by up to 10%. All other CR models benefit from industry leading eCOBlue™ Hi-eSCR technology to comply with the more stringent Tier 4B emission regulations and it maintains the efficiency you’ve come to expect of a CR combine. When combined with long, 600 hour service intervals, and the SmartTrax™ system for reduced soil compaction, more money stays in your pocket.

**Absolute driving pleasure**
The all-new Harvest Suite™ Ultra cab has been designed to deliver ultimate harvesting comfort and ergonomics. The larger, 3.7m³ cab with 6.3m² of glass, almost 7% more than previous models, means more space and more glass add up to more comfortable and more precise harvesting. At 73dB(A) it is still the quietest cab on the market. The 26.4cm ultra-wide IntelliView™ IV colour touchscreen monitor can be positioned on the ideal viewing arc for every operator. If you’re a night time harvester, the new LED lighting package enables true, 24 hour productivity.
Four chain feeding system

Dynamic Feed Roll™ technology

Twin Pitch Plus Twin Rotor™ technology

Optional four wheel drive with two speeds

Opti-Fan™ technology

Opti-Clean™ system

Folding unloading tube

Pivoting unloading spout

Opti-Spread™ system

PLM® Connect Telematics

Up to 14,500 litre grain tank

653hp(CV) Cursor 16 engine with ECOBlue™ HI-eSCR Tier 4B technology

Opti-Clean™ system

Twin Pitch Plus Twin Rotor™ technology

Dynamic Feed Roll™ technology

SmartTrax™ with Flex technology or SmartTrax™ with Terraglide™ suspension available

Up to 14,500 litre grain tank

PLM® Connect Telematics
A history of modern combining by New Holland.

1975: New Holland introduced the pioneering concept of Twin Rotor™ technology on the TR70 [145-168hp(CV)]. The face of harvesting was changed forever.

1979: The second generation of Twin Rotors appeared in TR75, TR85 and TR95 formats, and their power was upped from 155-225hp(CV).

1984: A bigger cab, improved visibility and S3 rotors characterised the third generation of machines. Farmers welcomed TR76, TR86 and TR96 models.

1993: Almost a decade later, the TR87 and TR97 fourth generation combines made their mark with more power on offer.

1997: Simplified controls made harnessing even more power on the fifth generation TR88 and TR98 combines more efficient and productive.

1999: Six generations down the line, the higher grain handling capacity and enhanced visibility were the hallmarks of the TR89 and TR99 models.

2002: A sleek, fresh looking seventh generation graced the world’s fields. The completely new styling, longer rotors, a larger cab and the first self-leveling cleaning system on a rotary combine all combined to make the CR960 and CR980 models highly desirable. By the way, did we forget to mention they produced up to 428hp(CV).


2005: Three decades of Twin Rotor™ success was celebrated with the introduction of the IntelliView™ II monitor for precision machine control.
The flagship CR models are built in Zedelgem, Belgium, home to New Holland’s global Centre of Harvesting Excellence. It is here, over 100 years ago, that Leon Claeys built his very first threshing machine that revolutionised the way farmers harvested. Zedelgem is synonymous with harvesting firsts, in 1952 it produced the first European self-propelled combine harvester. Today, yellow blooded engineers are committed to developing the next generation of harvesting products. The sophisticated product development process and the extensive knowledge of a dedicated workforce of a World Class Manufacturing facility ensure the CR range, together with all flagship harvesting products, the CX conventional combines, BigBaler large square balers and FR forage harvester, continue to set the benchmark in harvesting.

2007: The CR Elevation series, was the eighth generation and featured a whole host of productivity boosting elements including: up to 530hp(CV) Tier 3 engines, Opti-Clean™ system and IntelliCruise™ system for consistent feed load, with smooth changes of speed for optimised performance and operator comfort.

2008: The CR9090 becomes officially the world's highest capacity combine. It smashed the harvesting record: officially harvesting 551 tonnes of wheat in under eight hours.

2010: The CR range celebrates its 35th anniversary. Production of the CR9060 for Latin America starts in Brazil.

2011: The ninth generation of Twin Rotor combines is launched, featuring Tier 4A compliant eCOBlue™ SCR engines, improved capacity, as well as best-in-class grain and straw quality.

2012: The CR range wins the prestigious ‘Machine of the Year’ award thanks to its unsurpassed harvesting performance and industry-leading grain quality.

2013: The introduction of the Dynamic Feed Roll™ has further improved in-field performance and grain quality.

2014: The CR10.90 smashes the record for the most wheat harvested in eight hours. During the record it harvested 797.656 tonnes of wheat in under eight hours in real world conditions.

2015: The 10th generation CR range celebrates 40 years of harvesting excellence with the introduction of the benchmark Harvest Suite™ Ultra cab.
Leading from the front.

New Holland knows that the harvesting process starts with the crop. How it enters the machine will determine the quality of the harvest, therefore, a vast range of grain headers to suit every type of crop and farm have been developed and built in-house to suit your needs. Headers are available in widths ranging from 6 - 12.5 metres and in a wide range of configurations that can be tailored to match your requirements.

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<tbody>
<tr>
<td>Varifeed™ grain cutting width</td>
<td>4.88 - 10.67</td>
<td>6.10 - 10.67</td>
<td>6.70 - 12.50</td>
<td>6.70 - 12.50</td>
<td>6.70 - 12.50</td>
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### Varifeed™ grain headers: adapt to all types of crop
- Varifeed™ header guarantees optimum harvesting quality and a uniform cut in fields of different crop heights
- Knives can be adjusted by a full 575mm in their fore-aft position
- 660 mm diameter auger with deep flights provides fast, smooth feeding
- Full-width retracting fingers between each auger flight move crop down and under the auger, and can be electro-hydraulically adjusted from the cab

### Flexibility for guaranteed harvesting efficiency
- The Superflex header is the default choice for undulating terrain
- The knife bed can flex a full 110mm in uneven fields to ensure a close cut and uniform stubble height
- The full-floating auger with deep flights provides fast, smooth feeding in the heaviest crops
- Precise feeding and processing are a given with 1150 cuts per minute and in-cab hydraulic fore and aft reel adjustment
- A pre-set ratio can be maintained between reel speed and ground speed, so that when ground speed changes consistent feeding is guaranteed

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### Fully integrated rape knives
- Optional 18 teeth rape knives can be quickly and easily fitted to the Varifeed™ header
- Controlled through the IntelliView™ IV colour touchscreen monitor, they guarantee more efficient rape harvesting
- When not required, they can be stored on a dedicated storage bracket on the header

### Automatic Header Height Control
The advanced Automatic Header Height Control system is available in three operational modes:
- Compensation Mode uses a pre-established ground contact pressure that is hydraulically maintained to ensure efficient harvesting of laying or low growing crops such as peas and beans
- Automatic Stubble Height Control maintains a pre-set stubble height by using sensors located on the elevator together with the hydraulic header control cylinders
- The Autofloat™ system uses a combination of sensors that ensure the header follows uneven terrain and automatically adjusts its position hydraulically to maintain uniform stubble height and to prevent the header digging into the ground

### Dual Stream™: advanced stubble management
- The Dual Stream system fits directly onto 7.62 - 12.50 metre high capacity and Varifeed™ headers
- The standard header continues to cut the upper section of the crop, and the second bank of self-sharpening knives are set at normal stubble height, to cut the intermediate “double stubble” section. This chopped material is then uniformly spread across the entire cutting width
- Dual Stream technology can boost overall capacity by up to 15%, whilst reducing fuel consumption by up to 15%
A perfect match.

New Holland has developed an all-new maize header line-up which has been engineered by design to perfectly match the CR’s operating profile. Following extensive field testing, both the rigid and flip-up versions deliver improved harvesting productivity and reliability.

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<tbody>
<tr>
<td>Number of rows flip-up maize headers</td>
<td>6 / 8</td>
<td>6 / 8</td>
<td>6 / 8</td>
<td>8</td>
<td>8</td>
<td>8</td>
</tr>
<tr>
<td>Number of rows rigid maize headers</td>
<td>6 / 8 / 12</td>
<td>6 / 8 / 12</td>
<td>6 / 8 / 12</td>
<td>8 / 12</td>
<td>8 / 12</td>
<td>8 / 12</td>
</tr>
</tbody>
</table>
Modern maize headers for modern maize farming

- Upgraded maize header line-up satisfies the demands to boost productivity and harvesting efficiency
- Shorter points better follow ground contours to prevent ‘run-down’ of crops
- The gills direct any loose kernels to the back to the header reducing waste
- The replaceable wear strips extend the headers lifespan and all points flip up on self-supporting gas struts for easy cleaning and maintenance

Flip-up or rigid: the choice is yours

- Rigid headers are available in 6, 8 and 12 row versions
- Flip-up versions are perfect for transport intensive operations
- 6 and 8 row variants fold within 3.5m

Best-in-class stalk chopping

- Integrated stalk choppers can be fitted, perfect for minimum or zero tillage operations
- Maximum flexibility is guaranteed thanks to individual row engagement
- Widely accepted as the “best-in-class” by New Holland customers

Stalk Stomper tyre protection

- Optional Stalk Stomper kit is available for fixed or flip-up maize headers
- Tyre & track wear is reduced when harvesting maize by flattening the stubble in front of the wheels.

Dependable operation

- All New Holland maize headers are designed for top harvesting performance in all crop conditions
- The stalk rolls have four knives for aggressive pulling down of stalks of any size
- The deck plates are electronically adjustable from the cab to adapt to changing stalk and cob size
- Optional rotary dividers further enhance crop intake in laid maize crops
Enhanced protection for improved efficiency.

The CR’s feeding system has been significantly upgraded to enhance its already highly efficient operation. The feeder now features four chains with connecting slats on the CR8.90, CR9.80, CR9.90 and CR10.90 models for improved crop flow and even smoother feeding into the Twin Rotors. The CR range benefits from an improved header lift capacity for ultimate productivity when working with the very largest headers, and you can choose between the Advanced Stone Protection system or the optional, Dynamic Feed Roll™ system which both ensure the threshing mechanism is always fully protected.

Optional variable header and feeder technology

- Choose between the fixed and variable speed header and feeder drive combination
- The variable option is ideal when harvesting maize
- The operator can adjust the picking and feeding speed, depending on crop yield and conditions, to optimise feeding

Dynamic Feed Roll™ system

- Dynamic Feed Roll™ system delivers maximum feeding efficiency and stone detection effectiveness in extremely stony conditions
- Stones are automatically directed by a 45cm diameter closed beater into a dedicated stone trap located between the feeder and rotors
- The non-stop harvesting increases capacity by up to 10% when operating on the stoniest ground -The system now features serrated blades so that it is even gentler on the crop to deliver higher quality straw
- The stone trap is easily emptied during routine daily checks

Making blockages a thing of the past

- Header blockages are instantly cleared by the hydraulic reversing system
- The entire header and elevator can be ‘rocked’ backwards and forwards to effectively unblock the machine
Advanced Stone Protection system
- Automatic Stone Protection system (ASP) uses a detection sensor located under the closed lower drum of the straw elevator
- When a stone is detected, the full width pivoting door automatically opens and the stone is ejected
- This solution requires minimal operator input and ensures an unobstructed flow of the crop from the feeder to the rotors
- Grain quality, straw quality and overall capacity is enhanced, while protecting the machines internal components

IntelliCruise for increased productivity
- IntelliCruise™ Automatic Crop Feeding system automatically matches the forward speed to crop load
- A sensor on the straw elevator driveline continually monitors the demand placed on the header to guarantee the combine works at full capacity, independently of areas of differing yield
World-class grain quality.

New Holland invented the Twin Rotor™ concept over 40 years ago, and has been refining and evolving this technology for four decades to offer farmers ever increasing capacity and improved grain and straw quality. New Holland also knows that no two farms are alike, so two different types and sizes of rotor have been developed to suit farmers’ individual needs. The 17” standard rotors are fitted to the CR7.90 - CR8.80 models, and the heavy duty, high capacity 22” design are fitted to the CR8.90, CR9.80, CR9.90 and CR10.90 models. A bespoke machine for top drawer quality and performance.

Productivity enhancing Dynamic Feed Roll™

The addition of the optional Dynamic Feed Roll™, which is located in front of the rotors, simultaneously speeds up the crop, for smoother, streamlined feeding, and automatically directs stones into a dedicated trap. The additional serrated roll, available on all models, improves feeder performance by up to 10% on 22” rotor machines and by up to 15% on 17” rotor variants.

Twin Pitch rotors

- Standard Twin Pitch rotors feature 44 elements and deliver a performance increase in many cropping conditions.
- They can offer up to a 10% increase in capacity in damp conditions.
- You can also manually adjust the rotor vanes to ensure pitch perfect performance.
- Twin Pitch Plus rotors are standard on the CR10.90 and feature 75mm rasp bars for enhanced threshing performance.
- Two different kits are available which enable operators to select, or even convert between, rice and small grain configurations.
- Standard S³ rotors are still available.
Everything in good time
The rotor vanes can be adjusted to either accelerate or slow down the crop flow to regulate the time provided to thresh and separate the grain.

Straw processing
Once the straw has reached the end of the rotors, the 400mm diameter straw flow beater moves straw onto the positive straw discharge belt. This belt directs the straw rearwards, for efficient flow through to the rear of the combine.

Concave flexibility
- Crop-to-crop flexibility is achieved courtesy of easy to change concaves and separation grates
- Choose between the very finest small wire options for small grains right through to the round bar concaves and grates for maize and soya beans

Pitch perfect performance
- The Twin Pitch Plus rotors, available exclusively on the CR10.90, feature larger and taller rasp bars to significantly increase the threshing area
The cleanest grain sample.

Best-in-class grain quality. The Industry’s cleanest grain sample. It must be the CR. In comparative tests carried out to evaluate the grain sample of different harvesting concepts, Twin Rotor™ technology beat the competition hands down. The result: a minuscule 0.1% broken grain, thanks to the unique Twin Rotor™ concept which ensures in-line crop flow for the gentlest grain handling. Grain quality is further enhanced by award winning features including the Opti-Clean™ and Opti-Fan™ systems.
Gravity defying Opti-Fan™ technology
- Opti-Fan™ system compensates for the gravitational effects on crop material
- Select the desired fan speed on flat ground and the system automatically adjusts it when going up or downhill to maintain cleaning performance
- When travelling on upward slopes the fan slows down to prevent sieve losses
- When tackling downhill gradients fan speed increases to prevent thick material build ups on the sieves

Neutralise side slopes of up to 17%
- The self-levelling cleaning shoe automatically optimises the angle by up to 17% to neutralise the effects of side slopes, and also prevents grain banking during headland turns, to assist in uniform crop distribution and unsurpassed cleaning performance

Adjust your sieves from your seat
- In changing crop conditions you can remotely adjust the sieves from the cab
- Simply open the sieve in heavier crops to allow greater wind flow or reduce the sieve opening in lighter crops, to prevent losses and improve harvesting efficiency

The cleanest grain for the highest rewards
- With a total area under wind-control of 6.54m² on the CR8.90, CR9.80, CR9.90 and CR10.90 models, and of 5.40m² on the CR7.90 and CR8.80 models, the cleaning shoe efficiently handles the largest grain volumes
- Opti-Clean™ system optimises the stroke and throwing angles in the cleaning system
- The grain pan, pre and top sieves operate independently to optimise the cascade for greater capacity, and the longer sieve stroke and steep throwing angle keep more material airborne, for higher cleaning efficiency
- The opposing motion of the grain pan and bottom sieve to the pre-sieve and the top sieve reduces overall machine vibrations and increases operator comfort

Precision airflow
- The CR range’s unique paddle fan design generates the largest volume of air at a constant pressure, which is far superior to competitor alternatives
- The fan has two dedicated openings to direct a powerful stream of air to both the pre and top sieves for guaranteed cleaning performance

The CR remembers your crops
- To reduce set-up time when switching between crops or when working in varying crop conditions, the CR features Automatic Crop Setting (ACS), with fifty crop-specific settings
- The operator either selects from pre-installed settings, or simply programmes two harvest parameters for each crop, including reel speed and position, rotor speed and concave setting, sieve opening and cleaning fan speed, and recalls these on the IntelliView™ IV monitor when required
High volume grain management.

The CR grain tank has been increased to perfectly match its high capacity. The length of the unloading auger has also been enlarged to match the performance of the new generation of CR combines and modern day headers. Quite simply, New Holland has left no stone unturned in the quest to improve the CR range’s output and your productivity.

High performance grain tank
- The 14,500 litre grain tank on the CR9.90 and CR10.90 can hold 16% more grain than its predecessor
- The grain tank covers fan out to enable even more grain into the tank between unloading
- The tank covers can be electronically closed from the cab
- Further benefits include reduced grain losses when working on steep inclines and grain is also protected during overnight storage
- The bubble-up auger evenly distributes grain in the tank
Longer, stronger and more accurate
- The extra-long unloading tube has been completely redesigned for perfect compatibility with today’s largest headers
- The optional, folding auger can be unfolded and refolded from the cab
- It also reduces overall length to facilitate road transport
- The pivoting spout, controlled via the CommandGrip™ multifunction handle, enables operators to precisely direct the crop for uniform trailer filling
- Unloading speed has increased by 13%, which means the largest 14,500 litre grain tank can still be emptied in under 2 minutes thanks to a 142 litre/second unloading speed

Keep an eye on your grain
- New Holland has designed a 910 x 550mm viewing window in the cab.
- You can also keep an eye on the grain tank fill level, which is displayed on the IntelliView™ IV monitor
- A grain flap, accessible from the operator’s platform, allows manual sampling

Robust option for abrasive crops
- For prolonged operation in abrasive crops such as rice, the CR can be specified with the ‘abrasive option’
- The grain elevator, bubble-up auger and unloading auger are manufactured using heavy-duty materials to withstand prolonged operation

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<tr>
<td>Folding covers capacity (l)</td>
<td>9500/11500</td>
<td>12500</td>
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<td>14500</td>
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Flexible solutions right for your operation.

The CR range offers complete and comprehensive residue management options that can be tailored for different types of crop and cultivation methods. An optional button on the right hand side console enables you to switch between chopping and rowing. This is in addition to the traditional mechanical method which entails using a lever. No need for tools. No need to change components. No need to even get out of the cab. Simple. Fast. Typically New Holland.
Opti-Spread™ system: spreading wide. Always.

- When using the largest 12.5m Varifeed™ header on the CR, a powerful straw spreading system is a must.
- The optional Opti-Spread™ straw spreader mounted behind the straw chopper easily meets any spreading width requirement.
- This system has been further enhanced with the addition of Dual-Chop™ technology.
- All residue passes through a rake containing razor sharp blades to ensure a superfine chop of all material.
- The Opti-Spread™ system is controlled from the cab, and the two powerful discs can be adjusted to counteract any wind or side-slope impact.

Perfect bales

- Twin Rotor™ technology offers perfect in-line crop flow, and eliminates the need for aggressive changes in speed and direction.
- The straw structure is maintained and breakages are minimal, perfect for baling.
- Straw flow is maintained as the straw flow beater moves the straw onto the positive straw discharge belt.
- The twin-disc chaff spreader can spread the chaff or direct it onto the ground, under the straw to be baled.

Chopping fine, spreading wide. New Holland straw choppers.

- The New Holland in-house range of straw choppers have been developed to perfectly match the CRs’ performance.
- Choose between four and six chopper configurations with wind blades installed at the outer edges of the rotors for high spreading capacity.
- The high speed, 3500rpm chopper, ensures fine chopping and wide spreading.
Powerful. Respect. For you. For your farm. For the future.

Through the Clean Energy Leader® strategy, the CR7.90 combine benefits from the productivity enhancing features of the FPT Industrial Cursor 9 engine equipped with eCOBlue™ SCR technology for Tier 4A compliance. The CR8.80, CR8.90, CR9.80, CR9.90 and CR10.90 combines are fitted with Cursor 11, 13 and 16 engines equipped with eCOBlue™ HI-eSCR technology for Tier 4B compliance. The proven eCOBlue™ technology in both forms uses AdBlue to transform the harmful nitrogen oxides contained in the exhaust gas into harmless water and nitrogen. This after-treatment system is separate from the engine which means the engine only breathes clean, fresh air. What does this mean? Clean running power units that offer improved performance and enhanced fuel economy.
More money in your pocket
- The CR range has been engineered to lower your operating costs
- Models fitted with ECOBlue™ SCR technology will see a 10% reduction in fuel consumption when compared to a Tier 3 model
- Combines fitted with ECOBlue™ HI-eSCR technology maintain the lower fuel consumption of the previous CR Tier 4A range
- During road transport, the engine runs at a mere 1400rpm, further minimising fuel consumption
- ECOBlue™ HI-eSCR technology is compatible with 7% Biodiesel blends that comply with EN14214:2009 fuel specifications and when combined with industry-leading 600 hour service intervals the cost saving are phenomenal.

ECOBlue™ HI-eSCR technology for Tier 4B compliance
- The flagship CR10.90 is powered by the 2014 Diesel of the Year engine, FPT Industrial’s Cursor 16 powerplant and features ECOBlue’s™ HI-eSCR technology for Tier 4B compliance

Vast tyre offering
- A wide range of tyres can be specified, from the narrowest 710/70R42 up to the largest 900/60R38 tyres which can reduce compaction by up to 35%
- 40kph ECO transport speed, which is available across the entire range, saves fuel and cuts downtime where legislation allows

Power saving drivelines
- Overall reliability and low power consumption are the result of proven, direct drivelines and the four-speed hydrostatic transmission
- Positorque variators are continued on the CR range, and offer simple efficient technology that means more power for harvesting when compared to heavy power sapping CVT competitor alternatives

Super tight turning
- The CR’s short wheelbase design gives it a turning circle of a mere 12.5 metres depending on tyre size
- The new, taller 710/60R30 steering tyres reduce compaction and improve traction
- Optional four wheel drive variant now features two speeds
SmartTrax.
Reduced compaction. Superior comfort.

The all-new SmartTrax™ system has been engineered by design to offer 57% reduced ground pressure thanks to its triangle structure for improved traction and reduced compaction.

SmartTrax™ with Flex technology: terrain following excellence
- The entry-level tracks feature the same design as the advanced SmartTrax™ with Terraglide™ suspension technology
- The Flex technology features two pairs of jointed rollers which can pivot and rotate both laterally and vertically to perfectly follow the ground contours
- Ideal when working on uneven terrain, outstanding traction is guaranteed
- This technology enables a top transport speed of 30kph

SmartTrax™ feature an automatic continuous heavy duty tensioning system which ensures that the correct track tension is always maintained for ideal traction. Moreover, the tensioning system is completely separate from the drive wheel, for ultimate simplicity and reliability.

SmartTrax™ with Terraglide™ suspension: your comfort partner
- SmartTrax™ rubber tracks with Terraglide™ suspension bring New Holland’s acclaimed suspension technology to tracks
- Optional on all models, they are available in 24”, 28.5” and 34” width
- This enables a top transport speed of 40kph where legislation allows

The positive lugs on the inner side of the tracks maintain physical contact with the drive wheel for the ultimate in efficient power transmission.
A track to suit your needs

- Two pairs of oscillating, hydraulically suspended rollers work together to produce a smooth ride and improved transport safety
- Longer track length for a larger overall footprint for reduced field compaction

The SmartTrax triangular design, together with the rubber cleats on the outer belt, ensure a positive contact with the soil and unsurpassed traction when working on the steepest slopes or in the wettest or dustiest conditions. Traction without question.

A track to suit your needs

- SmartTrax are available in two widths: standard 24” and for those working in demanding conditions, a 28.5” option is available
- SmartTrax offer your operation numerous benefits including enhanced stability, 100% increase in contact area when compared to tyres, all whilst maintaining manoeuvrability within the 3.5 metre transport width

Saving time. Saving fuel.

- With a top transport speed of 40kph at a mere 1400 engine rpm, the new CR range, when fitted with SmartTrax™ with Terraglide™ suspension, is the obvious choice for operations looking to reduce downtime and fuel costs
- Fuel economy is further enhanced by the super low rolling resistance, which offers significant savings over competitor solutions
A new benchmark for harvesting comfort.

The CR range of combines offers you a home away from home during long harvesting days. The Harvest Suite™ Ultra cab is completely new from the floor up and is the fruit of extensive customer consultation. The cab volume has increased to 3.7m³ and boasts 6.3m² of glass, 7% more than previous models. You can enjoy all that space in the peace and quiet of the near silent 73dB(A) cab.
A place for everything

- A large compartment behind the operator is perfect for stowing away essential documentation

Stay refreshed on the hottest days

- The large portable fridge under the instructor seat can be easily removed for replenishment
- Air conditioning comes as standard, or upgrade to the optional Automatic Climate Control system which automatically adjusts fan speed to guarantee accurate temperature control

360° panoramic view

- The Harvest Suite™ Ultra cab’s wide curved window offers a perfect view
- The floor slopes down into the front windscreen so that you have a clear view of the edge of the header
- Standard electric mirrors present a wide viewing arc to the sides and rear
- Up to three optional viewing cameras can be managed through the IntellView™ IV monitor, and one has been pre-wired for reversing
Effortlessly maximising performance.

Intelligent and intuitive automation saves times and enhances harvesting performance. The CommandGrip™ multifunction handle can control all key machine and header parameters, including header height, reel position and unloading engagement. The right hand console contains less frequently used functions, which are laid out in an ergonomic and logical manner. Machine functions can be analysed at a glance courtesy of the colour IntelliView™ IV monitor.

- Emergency Stop (Header and Unloading)
- Reel position, Varifeed™ knife or flip-up maize header plus shift button
- Threshing engagement
- Header and feeder engagement
- Unloading auger position
- Unloading auger engagement
- IntelliSteer™ and IntelliCruise™ engagement
- Automatic header height activation
- Two-speed header lift, lowering system and header lateral movement
- Header reverse activation
- Opti-Spread™ control
- Engine speed
- Automatic Crop Settings switch
- Automatic header height modes
- Header width correction
- Vertical side knives left and right engagement
- IntelliCruise™ engagement
- Powered rear wheels engagement (two speed)
- Electronic park brake
- Electronic gear selection

Shift button and ground speed unlock (behind).

Forced based movement enables the operator to change speed and direction.
Wide-screen harvesting

- Ultra-wide 26.4cm IntelliView™ IV colour touchscreen monitor is fixed on rollers which can move along an ideal viewing arc.
- This intuitive, colour touchscreen displays and monitors all combine functions and parameters which can be adjusted by simply touching the screen.
- A second screen can be installed on request and is perfect for IntelliSteer® auto guidance tasks and mapping follow up.
Please, take a seat.

New Holland brings to you the best-in class seat offering, with three different models providing you with a comprehensive choice. All seats benefit from improved cushioning. These firmer, more durable seat cushions provide outstanding comfort whatever the terrain. A standard, full-sized upholstered instructor seat folds down to provide a work surface when not in use.

**Leather seat**
- The top of the range leather trimmed seat features all the above and extended vertical travel and automatic weight adjustment absorbs the most severe bumps to offer the ultimate in operator comfort and style.

**Standard seat**
- The standard wide cloth trimmed seat provides exceptional features and ensures all operators will stay comfortable throughout the day.

**Deluxe cloth seat**
- The optional deluxe cloth trimmed seat with heating and active ventilation features fore/aft movement for even more comfort.
The most powerful combine lighting package.

The CR lighting package has raised the lighting bar, and can deliver up to a total of 48,000 lumens. The spread of light has been engineered for maximum visibility of the entire header and the field ahead. You can also get off of your combine in complete safety courtesy of the entrance light, which remains on for 30 seconds after you’ve switched the combine off.

- The CR lighting package offers up to 27 work lights including 26 LED lights
- A powerful all new LED ‘row finder’ light is positioned in the centre of the cab roof, to enable operators to pinpoint each individual row when harvesting late into the night
- Rear lamps enable operators to monitor residue and two lamps located on the side panel illuminate the rear axle to prevent crushing standing crop and to assist when manoeuvring
- You have the choice between Halogen and LED working lights and an additional long distance LED lighting package is available
- This long distance led lights offer an incredible visibility up to 400m
New Holland guidance systems to match your needs.

A full range of guidance solutions are available from New Holland and include manual and assisted guidance. You can even specify your CR with fully integrated IntelliSteer® auto guidance direct from the factory to start saving money from your first run. Fully compatible with the most accurate RTK correction signals, IntelliSteer can guarantee pass-to-pass and year-to-year accuracy as low as 1 - 2cm. SmartSteer™ crop edge guidance and automatic row guidance for maize headers are just some of the numerous options which are designed to increase your harvesting efficiency and productivity.

Levels of accuracy and repeatability

New Holland offer multiple levels of accuracy. This enables you to select the right IntelliSteer® system to match your needs and budget. When using RTK correction with IntelliSteer you can enjoy guaranteed year on year repeatability.

RTK base station

An RTK base station can be used to broadcast a correction signal to achieve a pass to pass accuracy of 1-2cm.
Maize guidance

- Maize headers can be specified with automatic row guidance to keep the combine perfectly on course
- Two sensors monitor the position of the crop entering the header, and automatically guide the combine to ensure true perpendicular entry even in poor visibility or at high speeds
- The system can be linked to a GPS positioning system, which can distinguish between cut and uncut rows, to facilitate night-time harvesting and advanced harvesting activities such as skip row functionality

SmartSteer™ system

- By scanning the edge between the cut and uncut crop with a laser eye, the SmartSteer™ auto guidance system automatically guarantees the header is always full, and allows the operator to concentrate on other combine functions

IntelliView™ - visible intelligence

- The ultra-widescreen 26.4cm IntelliView™ IV colour touchscreen monitor can be used to manage the optional IntelliSteer® autoguidance system
- The IntelliView™ monitors enable fingertip programming of a variety of guidance paths, from straight A-B runs to the most complex adaptive curves
- Settings can be personalised easily and also transfer data using PLM® Connect File Transfer and PLM desktop software packages

NH 372 receivers

- New Holland 372 antenna receives both DGPS and GLONASS signals and is fully compliant with EGNOs, OmniSTAR, RTX, or RTK correction
- For RTK applications, a slim profile radio is mounted underneath the receiver. The antenna is positioned on the top of the grain tank to improve signal reception and enhance operation
Integrated yield and moisture sensing.

The CR range of combines have been engineered by design with precision farming features right at its very heart. Yield information is continually updated and displayed on the IntelliView™ IV monitor. This data can be stored, downloaded and analysed with PLM® Connect Telematics precision farming software to establish accurate yields maps. These can be used to fine tune inputs to maximise yields and minimise input costs.

**Real time moisture sensing**
- New Holland’s moisture sensor measures grain moisture in real time
- Samples are taken every 30 seconds and the data is sent to the IntelliView™ IV monitor
- The operator is kept continually informed and can adapt machine parameters accordingly

**Yield mapping**
- The exclusive patented, high accuracy yield sensor developed by New Holland is generally recognised as the best in class
- The sensor generates an extremely accurate yield measurements for the variety or the moisture content of the kernel
- Furthermore, calibration is performed just once a season
Telematics: manage your machine from the comfort of your office.

PLM® Connect enables you to connect to your CR and view over 74 machine parameters from the comfort of your office. The new wireless file transfer feature allows easy and secure data transfer to and from your machines. This means easier access or transfer of data such as guidance lines, boundaries, coverage maps, yield and moisture data. In short, PLM® Connect will help you to reduce your fuel bills and improve fleet management and security in one simple package.

My New Holland

Manage your PLM applications and your entire farm operation, equipment and support through one centralized location. MyNewHolland.com provides the infrastructure to connect your farming operation and share information, while using PLM® Connect Telematics to manage your fleet logistics, utilization and productivity. Key My New Holland features include:

• PLM Connect
• PLM Customer Support
• Product guides and manuals
• Warranty documents
• PLM training materials
• Frequently Asked Questions

New Holland offers a variety of precision farming packages which will enable you to tailor your inputs to reduce your costs and increase your yields. This information is recorded in real time by your machine during working, and it is simply and efficiently transferred for analysis by the computer package from the IntelliView™ IV monitor via the complementary 4GB USB stick, which is large enough to record data from over 600 - 700 harvesting hectares.
The CR range has been designed to spend more time working and less time in the yard. After all, we all know how precious time in the field is during short harvesting seasons. All service points are easy to access, and long service intervals mean they will spend more time in the field.

360°: CR.

The clean out function is managed through the IntelliView™ IV monitor and cleans out the sieves, the fans and the radiator. The fuel and AdBlue tanks are conveniently located next to each other.

Self-supporting, fully opening shielding guarantees wide access to all drives and service points. Easy ground-access to all oil filters and drain points and centralised greasing banks.

To ensure optimal lubrication at all working positions, operators can select the variator lube function at the touch of a button. Plastic rotor covers can be removed without tools.

Engine and hydraulic oil can be checked at a glance. The integrated water tank is placed ideally for washing hands after connecting the header.

The entire inside of the combine can be cleaned using the Cleanout function. The sieves, concaves and drum open up and fan speed is increased to maximum.

The air filter is easily accessible from the engine platform.

Dealer Installed Accessories

A comprehensive range of approved accessories can be supplied and fitted by your dealer.
New Holland Services.

Finance tailored to your business
CNH Industrial Capital, the financial services company of New Holland, is well established and respected within the agricultural sector. Advice and finance packages tailored to your specific needs are available. With CNH Industrial Capital, you have the peace of mind that comes from dealing with a financing company that specialises in agriculture.

Trained to give you the best support
Your dedicated New Holland dealer technicians receive regular training updates. These are carried out both through on-line courses as well as intensive classroom sessions. This advanced approach ensures your dealer will always have the skills needed to look after the latest and most advanced New Holland products.

Service Plus - long lasting confidence
Service Plus coverage provides owners of New Holland agricultural machinery with additional cover on the expiry of the manufacturer’s contractual warranty. Please ask your dealer for more details.

New Holland App
Product apps - iBrochure - NH Weather - NH News - Farm Genius - PLM Calculator - PLM Academy

New Holland Style
Want to make New Holland a part of your everyday life? Browse the comprehensive selection on www.newhollandstyle.com. A whole range of items are available including hard wearing work clothing and a vast selection of scale models, together with so much more. New Holland. As individual as you.
Twin Pitch Plus rotors –

**Cab category level - en 15695**

- Working lighting pack

**Models**

<table>
<thead>
<tr>
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</thead>
<tbody>
<tr>
<td>VanFood™ grain header - 352mm knife travel</td>
<td>4.88 - 10.67</td>
<td>4.80 - 10.67</td>
<td>6.79 - 12.50</td>
<td>6.79 - 12.50</td>
<td>6.79 - 12.50</td>
<td>6.79 - 12.50</td>
</tr>
<tr>
<td>Knife speed Standard / VanFood™ grain header (cuts/min)</td>
<td>1150 / 1300</td>
<td>1150 / 1300</td>
<td>1150 / 1300</td>
<td>1150 / 1300</td>
<td>1150 / 1300</td>
<td>1150 / 1300</td>
</tr>
</tbody>
</table>
| **Maize headers**
| Number of rows flip-up maize headers | 6 / 8 | 6 / 8 | 6 / 8 | 8 | 8 | 8 |
| Number of rows rigid maize headers | 6 / 8 /12 | 6 / 8 /12 | 6 / 8 /12 | 8 / 12 | 8 / 12 | 8 / 12 |
| Integrated stalk choppers | • | • | • | • | • | • |
| Rotary dividers | • | • | • | • | • | • |
| Automatic header control systems
| Automatic stabbable height control | • | • | • | • | • | • |
| Compensation mode | • | • | • | • | • | • |
| Autofil®™ system | • | • | • | • | • | • |
| **Straw elevator**
| Number of chains | 3 | 3 | 4 | 4 | 4 | 4 |
| Fixed feeder drive | • | • | • | • | • | • |
| Variable feeder drive | • | • | • | • | • | • |
| Power Reverse™ hydraulic header and elevator reverser | • | • | • | • | • | • |
| Lateral rotation | • | • | • | • | • | • |
| Foreaxs adjustment | • | • | • | • | • | • |
| ASP system (Advanced Stone Protection) | • | • | • | • | • | • |
| DFR system (Dynamic Feed Roll™) | • | • | • | • | • | • |
| **Harvest Suite™ Ultra cab glass area** | (m²) 6.3 | 6.3 | 6.3 | 6.3 | 6.3 | 6.3 |
| Cab category level - EN 15695 | 22 | 22 | 22 | 22 | 22 | 22 |
| HID working lighting pack | • | • | • | • | • | • |
| LED working lighting pack | • | • | • | • | • | • |
| LED long distance lights | • | • | • | • | • | • |
| Standard cloth trimmed seat with air-suspension | • | • | • | • | • | • |
| Deluxe cloth trimmed heated air-suspension seat with Active Ventilation | • | • | • | • | • | • |
| Leather trimmed heated air-suspension seat with Active Ventilation | • | • | • | • | • | • |
| Instructor seat | • | • | • | • | • | • |
| Leather steering wheel | • | • | • | • | • | • |
| CommandGrip™ handle | • | • | • | • | • | • |
| 2nd IntelliView™ IV monitor with adjustable position | • | • | • | • | • | • |
| Wide Angle Shatterproof Mirrors | • | • | • | • | • | • |
| 3 viewing cameras | • | • | • | • | • | • |
| ACS (Automatic Crop Settings) | • | • | • | • | • | • |
| Air-conditioning and coolbox | • | • | • | • | • | • |
| Automatic climate control | • | • | • | • | • | • |
| Heating | • | • | • | • | • | • |
| Removable fridge | • | • | • | • | • | • |
| MPS Bluetooth radio (hands free phone calls) | • | • | • | • | • | • |
| 4-speaker system | • | • | • | • | • | • |
| Optimum cab noise level - ISO 5131 (dB(A)) | 72 | 72 | 72 | 72 | 72 | 72 |

**New Holland Precision Land Management systems**

**PLM® Connect Telematics**

- Desktop software and software support service

**Guidance systems**

SmartSteer™ automatic guidance system

- IntelliSteer™ ready automatic guidance system

- IntelliCruise™ system

- Automatic row guidance system for maize headers

**Precision farming**

- Moisture measuring

- Yield measuring and moisture measuring

- Full Precision farming package including:
  - Yield measuring and moisture measuring, DGPS yield mapping

- Desktop software and software support service

**Twin Rotor™ technology**

- Twin Pitch rotors

- Twin Pitch Plus rotors

- ST rotors

- Rotor diameter (mm) 432 / 432 / 559 / 559 / 559 / 559

- Rotor length (mm) 2638 / 2638 / 2638 / 2638 / 2638 / 2638

- Length of auger section (mm) 390 / 390 / 390 / 390 / 390 / 390

- Length of separation section (mm) 739 / 739 / 739 / 739 / 739 / 739

- Length of discharge section (mm) 419 / 419 / 419 / 419 / 419 / 419

- Fixed rotor vanes | • | • | • | • | • | • |

- Adjustable rotor vanes | • | • | • | • | • | • |

- Threshing concaves:
  - Wrap angle with extension (°) 90 / 90 / 90 / 90 / 90 / 90

- Needle spring electric adjustment | • | • | • | • | • | • |

- Separation concaves: Separation grates per rotor

- Wrap angle (°) 138 / 138 / 138 / 138 / 138 / 138

- Hydraulic quick coupler (single location) | • | • | • | • | • | • |
### Models

<table>
<thead>
<tr>
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</thead>
<tbody>
<tr>
<td>Beater Width (mm)</td>
<td>1300</td>
<td>1300</td>
<td>1540</td>
<td>1560</td>
<td>1560</td>
<td>1560</td>
</tr>
<tr>
<td>Beater concave wrap angle (°)</td>
<td>54</td>
<td>54</td>
<td>54</td>
<td>54</td>
<td>54</td>
<td>54</td>
</tr>
<tr>
<td>Total threshing and separation area (m²)</td>
<td>2.43</td>
<td>2.43</td>
<td>3.06</td>
<td>3.06</td>
<td>3.06</td>
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### Cleaning

<table>
<thead>
<tr>
<th>Cleaning</th>
<th>ISO TR14396 - eCe R120</th>
<th>eCOBlue™ system</th>
</tr>
</thead>
<tbody>
<tr>
<td>Self-leveling cleaning shoe</td>
<td>Tier 4A Stage 3B</td>
<td>Tier 4A Stage 4</td>
</tr>
<tr>
<td>Pre-cleaning system</td>
<td>Tier 4B Stage 3B</td>
<td>Tier 4B Stage 4</td>
</tr>
<tr>
<td>Opti-Clean™ system</td>
<td>Tier 4B Stage 3B</td>
<td>Tier 4B Stage 4</td>
</tr>
<tr>
<td>Total sieve area under wind control (m²)</td>
<td>5.4</td>
<td>5.4</td>
</tr>
<tr>
<td>Remote control sieve setting</td>
<td>Tier 4A Stage 3B</td>
<td>Tier 4A Stage 4</td>
</tr>
</tbody>
</table>

### Unloading auger

<table>
<thead>
<tr>
<th>Unloading auger</th>
<th>ISO TR14396 - eCe R120</th>
</tr>
</thead>
<tbody>
<tr>
<td>Number of blades</td>
<td>Tier 4A Stage 3B</td>
</tr>
<tr>
<td>Variable speed range (rpm)</td>
<td>Tier 4B Stage 3B</td>
</tr>
<tr>
<td>Grain sample inspection door</td>
<td>Tier 4B Stage 4</td>
</tr>
<tr>
<td>Grain tank fill warning device</td>
<td>Tier 4B Stage 4</td>
</tr>
<tr>
<td>Unloading auger swivel reach (°)</td>
<td>Tier 4B Stage 4</td>
</tr>
<tr>
<td>Standing Auger Unloading Tube</td>
<td>Tier 4B Stage 4</td>
</tr>
</tbody>
</table>

### Grain elevator

<table>
<thead>
<tr>
<th>Grain elevator</th>
<th>ISO TR14396 - eCe R120</th>
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</thead>
<tbody>
<tr>
<td>Approving biodiesel blend</td>
<td>Tier 4B Stage 3B</td>
</tr>
</tbody>
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### Electrical

<table>
<thead>
<tr>
<th>Electrical</th>
<th>ISO TR14396 - eCe R120</th>
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<tbody>
<tr>
<td>12 volt alternator (Amps)</td>
<td>Tier 4A Stage 3B</td>
</tr>
<tr>
<td>Battery capacity</td>
<td>Tier 4B Stage 3B</td>
</tr>
<tr>
<td>Engine</td>
<td>Tier 4B Stage 4</td>
</tr>
</tbody>
</table>

### Engine

<table>
<thead>
<tr>
<th>Engine</th>
<th>ISO TR14396 - eCe R120</th>
</tr>
</thead>
<tbody>
<tr>
<td>Compliant with engine emissions regulations</td>
<td>Tier 4A Stage 3B</td>
</tr>
<tr>
<td>Tier 4B Stage 3B</td>
<td></td>
</tr>
<tr>
<td>Tier 4B Stage 4</td>
<td></td>
</tr>
</tbody>
</table>

### Model Dimensions

<table>
<thead>
<tr>
<th></th>
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<tbody>
<tr>
<td>Tyres</td>
<td>SmartTrax™</td>
<td>Tyres</td>
<td>SmartTrax™</td>
</tr>
<tr>
<td>With traction wheels/tracks**</td>
<td>710/70R42</td>
<td>800/70R32</td>
<td>800/70R32</td>
</tr>
<tr>
<td>Ground contact area (mm)</td>
<td>1290</td>
<td>1330</td>
<td>1330</td>
</tr>
<tr>
<td>Maximum height in transport position (m)</td>
<td>3.97</td>
<td>3.97</td>
<td>3.97</td>
</tr>
</tbody>
</table>

### Notes

- **A** traction wheels/tracks other than those mentioned are available: 710/70R42, 800/70R32, 800/60R32, 900/60R32, 900/60R32, 900/50R32 and SmartTrax 24", 28.5", 30".
- **B** SmartTrax not available on the CR7.90.
- **C** With 3ft extension and canvas.
- **D** Transport, without extension, with spout.
- **E** Only available in Terraglide™ suspension version.
New Holland Top Service:
customer support and customer information.

Top Availability
If you need information, or have an out of hours question, ring our toll-free number*. All day, every day, we are just a call away.

Top Speed
Express parts delivery: when you need it, where you need it!

Top Priority
Fast-track solution during the season: because your harvest can’t wait!

Top Satisfaction
We drive and track the solution you need, keeping you informed: until you are 100% satisfied!

For more details, ask your New Holland dealer!

* Calls to the Top Service team are free from landlines in the United Kingdom and Republic of Ireland. UK-based mobile calls are also free, but Republic of Ireland mobile users should call 01 2421881 and this will be charged at your standard network rate.

www.newholland.com/uk - www.newholland.com/ie