

# NEW HOLLAND CLUB NEWSLETTER

Summer 2015



New Holland Agriculture Reclaims  
Guinness World Records™ Title

CX7000 and CX8000 Elevation  
Combines Launched

New Customer Centre at Jesi Plant

New TT4 Series

All New T4 Range Launched

50 Years of Basildon



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# NEW HOLLAND AGRICULTURE RECLAIMS GUINNESS WORLD RECORDS™ TITLE

New Holland Agriculture has reclaimed the GUINNESS WORLD RECORDS title, harvesting an impressive 797.656 tonnes of wheat in eight hours with the world's most powerful combine: the 653hp CR10.90.

"We are extremely proud to have recaptured the Guinness World Records title for harvesting almost 800 tonnes of wheat in eight hours, shattering the previous record by more than 120 tonnes." Stated Hedley Cooper, Head of Harvesting Product Management. "This record demonstrates the unsurpassed capacity and productivity of the CR10.90, especially as the current record of 675.84 tonnes was broken after just six hours and 36 minutes!"

## Record breaking performance

The record was set on 15th August 2014 at HR Bourn and Sons Farm in Grange de Lings, near Wragby, Lincolnshire, United Kingdom. The field was sown with Santiago wheat in the autumn of 2013 before it was chosen in May 2014 for the record breaking attempt, which meant that it represented real world growing conditions.

The record breaking day's harvesting, which started at 11:17am, was characterised by changing weather conditions, with the ambient temperature ranging from 18-21°C and light showers occurring from 17:30 onwards. The CR10.90's average throughput was 99.7 tonnes/hour and peaked at 135 tonnes/hour in a crop yielding an average of 9.95 tonnes/ha and an average moisture content of 16.2%. The record was achieved using a mere 1.12 litres of fuel per tonne of grain harvested, with

the straw chopper engaged throughout the day.

The entire day's activities were overseen and verified by Mr Pravin Patel, the official Guinness World Records Record Adjudicator, who was assisted by Alan Robson, Chaplain for Agriculture of Lincolnshire as the second independent witness.

## The record-breaking CR10.90. Packed with advanced harvesting technology

The record-breaking CR10.90 is equipped with New Holland's unique Twin Rotor® technology featuring Twin Pitch high performance rotors combined with the Dynamic Feed Roll™ system (DFR), which proved indispensable in breaking the record especially as the weather conditions deteriorated in the late afternoon.

Powered by the award-winning Cursor 16 engine, which develops some 653hp, the CR10.90 is also compliant with the Tier 4B emissions regulations, using advanced ECOBlue™ HI-eSCR technology to meet them. Traction, in the changeable conditions was guaranteed thanks to the unique SmartTrax™ rubber track system with Terraglide™ suspension.

The extra-long 10 metre unloading auger and super-fast 142 litres/minute unloading speed made quick work of the constantly filling grain tank. The CR10.90 was also equipped with IntelliSteer™ fully integrated auto guidance, which ensures accuracy of 1-2 cm optimising the effectiveness of the 13.7 metre 840CD draper-header during every pass, the whole day long.





"The Guinness World Records title has further reinforced the CR10.90 combine as New Holland's flagship harvesting product, and cemented its position as the world's leading combine harvester" stated Carlo Lambro, Brand President of New Holland Agriculture. "The record-breaking combine, built in our Centre of Harvesting Excellence in Zedelgem, Belgium, is the world's first Class 10 rotary combine and exemplifies the excellence of Twin Rotor® technology, developed by New Holland 40 years ago. We are offering our customers the best possible solutions and continually improving our Brand's performance and results in the combine business."

#### **Youtube link:**

<https://www.youtube.com/watch?v=Y5I04EObZNo&list=UUfJWiznIOJshyVwM8IRznDQ>

#### **KEY RECORD STATISTICS**

Total time harvested	8 hours
Amount of wheat harvested	797.656 tonnes
Average tonnes per hour	99.7 tonnes/hour
Peak capacity	135 tonnes/hour
Area harvest	80.2 hectares
Fuel used / tonne grain	1.12 litres
Average moisture	16.2%
Average yield	9.95 tonnes/ha





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**POWER.** Mighty Cursor 16 ECOBlue™ Hi-eSCR engines for Tier 4B compliance and 10% fuel savings. Up to 653hp on the new CR10.90, the world's most powerful combine.



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# NEW HOLLAND LAUNCHES PRECISION LAND MANAGEMENT™ (PLM) ACADEMY APP FOR ON DEMAND PRECISION FARMING TRAINING



Precision farming has become much more than a useful optional technique considering the rising costs of fuel, seeds, workforce and the reduction of land available. The optimization of land usage is now a real necessity for any kind of farmer and size of business. In this direction, New Holland has launched the PLM Academy App, which is available and compatible for both iOS and Android operating systems.

"We know that in order to maintain productivity, farmers need top class advice at their fingertips," stated Luca Mainardi, Head of Tractor and PLM Product Management. "This new App means operators can consult the latest in PLM know-how wherever they are and whenever they need."

## On demand PLM training

The PLM Academy App is an innovative training tool. It will enable farmers to watch practical videos and tutorials wherever they are, including in the field while at the wheel of their machine. This innovative application will permit users to download productivity enhancing tutorials which can subsequently be viewed, on demand, even in areas without Internet coverage. This allows operators to access information while in the field, to resolve any questions to prevent productivity impacting downtime. Furthermore, they can enhance their own knowledge at a time that suits them due to the on-demand nature of the offering. The material is constantly updated, to ensure that users receive the latest information and are able to access the most up-to-date product information to enhance profitability.

## Extensive mobile training offering

All users can choose from a wide range of training content including EZ-Pilot tutorials that cover both calibration and installation to ensure accurate set-up and usage to maximize productivity gains. Operators using the most advanced, ultra-widescreen IntelliView™ IV colour touchscreen displays, together with those using the IntelliView III and IntelliView Plus II monitors, will also be able to consult professional tutorials on how to fine tune operating parameters. Training videos for the FM-750™ are available with key information to further facilitate accurate operation.



North American farmers and their colleagues in Australia and New Zealand can brush up on their knowledge of planter precision farming with a wide range of dedicated training lessons.

## Easy access and international coverage

The PLM App is currently live in the US and Canada, as well as in Austria, Germany, Italy, the United Kingdom, Australia and New Zealand, and is available to the PLM customers who have registered on the PLM Academy website ([www.plmacademy.newholland.com](http://www.plmacademy.newholland.com)).

Once downloaded from the Apple Store or Google Play, customers will be prompted to insert their user name (that used for the PLM Academy website), and will then be able to access all content. The App's intuitive structure enables users to browse videos, download tutorials of their choice and save their most frequently viewed videos to a favourites section for super-fast retrieval. Updates can be quickly and easily searched for via the dedicated tab to ensure they have the most up-to-date information, frequently asked questions and provide a handy shortcut to some useful top tips, including how to get the very most out of the App itself.



# CX7000 AND CX8000 ELEVATION COMBINES

## THE CLEANEST GRAIN SAMPLE FROM THE WORLD'S MOST POWERFUL CONVENTIONAL COMBINES

New Holland has launched the latest generation CX7000 and CX8000 Elevation super conventional combines. Including the world's most powerful strawwalker combine (up to 490 horsepower); these combines deliver unmatched straw quality and the cleanest grain sample for large-scale farmers and custom harvesters.

"The CX range was launched in 2001, and today it is still the most powerful, highest capacity conventional combine in the world," stated New Holland Combine Product Specialist Greg Moore. "The introduction of our award-winning Opti-Fan™ and Opti-Clean™ technology improves cleaning performance by up to 20% and will enhance the profitability of all farmers."

### Award-winning Opti-Fan™ neutralizes the effects of slopes on the cleaning system

The standard Opti-Fan system compensates for the impact of up and downhill slopes on harvesting performance. The operator sets the fan speed on level ground and the system automatically adjusts it when the harvester goes up or downhill. When travelling on upward slopes the speed is reduced to ensure the material does not travel too quickly over the sieves causing losses; when tackling downhill gradients it increases the speed to prevent thick build-ups. This efficient system provides a better grain sample and reduced losses.

### Opti-Clean™ system delivers up to 20% more efficient cleaning

The Opti-Clean system is also standard, and improves cleaning performance by up to 20%. The Opti-Clean system has been

well proven on the CR Elevation combines over the past five years. It optimizes the stroke and throwing angles in the cleaning system for enhanced cleaning efficiency. The grain pan, pre and top sieves operate independently to optimize the cascade for increased capacity, and the longer sieve stroke and steep throwing angle keep more material airborne for enhanced separation. This system has also been engineered to increase operator comfort and reduce overall machine vibration.

### Ground-breaking Opti-Speed™ strawwalkers: up to 10% higher productivity

The CX7000 and CX8000 Elevation combines also feature the exclusive Opti-Speed strawwalker technology, which delivers up to 10% more productivity on slopes. This unique system automatically varies the strawwalker speed based on the field's slope. The operator simply selects from four pre-sets: wheat, corn, canola and rice, and the Opti-Speed system takes care of the rest. When driving uphill, the strawwalker speed reduces to reduce the transport speed of the straw over the strawwalkers reducing losses, and when driving downhill strawwalker speed is increased to prevent clogging. This system is also beneficial for harvesting corn, thanks to an optimized strawwalker speed for this crop.

### Faster unloading, larger grain tanks

Unloading speed now tops 125 litres/second, 14% faster than previous, to ensure the largest grain tank is emptied in just over 90 seconds. The CX8080 and CX8090 have 11,500 litre grain tanks.



## Top 40 kph ECO transport speed: enhancing productivity

CX7000 and CX8000 (except the CX7080) Elevation models are the only conventional combines that can deliver 40 kph top transport speeds. Over 20% faster than previous models, this high transport speed is achieved at reduced engine speeds as low as 1,600 rpm, resulting in decreased fuel consumption. This enables operators to maximize optimal harvesting windows by minimizing productivity-impacting transport time.

## High-intensity lighting package for true, around-the-clock harvesting

New Holland has introduced its most complete lighting package on the CX7000 and CX8000 Elevation range, improving the spread of light to the front of the combine by up to 55%. Featuring four HID work lights mounted under the cab roof, the full width of the header is fully illuminated during work. A fifth HID light has been installed to the left wing mirror strut and illuminates the field ahead, enabling operators to anticipate changes in terrain or crop conditions.

Two additional halogen lamps are mounted to the rear shield and cast a broad spread of light to enable operators to monitor residue distribution or straw flow from the rear of the combine.

Operator comfort has been further enhanced courtesy of the upgraded seat with deep cushions and extended fore-aft adjustment to ensure operators of all sizes are comfortable. The optional, heated full-leather seat offers a luxurious touch for the most demanding operators.



MODEL	Number of strawwalkers	Maximum harvesting power (hp[CV]) ECE R120	Grain tank size (litre)	Cleaning area (m²)
<b>CX7080</b>	5	333	9,000	5.4
<b>CX7090</b>	5	367	10,000	5.4
<b>CX8070</b>	6	367	9,500	6.5
<b>CX8080</b>	6	401	11,500	6.5
<b>CX8090</b>	6	489	11,500	6.5





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# NEW CUSTOMER CENTRE IN JESI, ITALY

New Holland Agriculture has unveiled its new customer centre at the Jesi plant in Italy. Jesi is the global centre for speciality tractor production, and the T4F/N/V series, TK crawler tractor and the T4 and T5 ranges are all produced at the plant. "We are looking forward to welcoming many New Holland customers from across the world to the home of speciality and mid-range tractor production here at Jesi." Stated Carlo Lambro, Brand President of New Holland Agriculture. "This further cements our commitment to speciality farming, which is of growing global importance. Moreover, it celebrates the outstanding work going on inside the Jesi plant."

## New customer centre unveiled to the Italian press

This striking facility has been designed to represent New Holland's commitment to innovation and extends to 800 square metres. Adorned with striking New Holland prints, it features a 50 seat conference room, mezzanine lounge, meeting room and a merchandising shop. An indoor display area showcases Jesi's current production: T4, T4F and T5 models are all present.

The customer centre is fully open to the public and a full programme of customer visits is scheduled. Together with the centres at Basildon and Zedelgem, the Jesi Customer Centre is further testament to the brand's commitment to being close to its customers. The new Customer Centre will truly provide a bespoke facility to experience New Holland first hand.

## Jesi: advanced speciality tractor production

Jesi was initially a tractor components production facility when it opened in 1977 and eleven years later, in 1986, the first tractors rolled off the production line. Today the plant extends to 64,000 square metres and has delivered over 650,000 tractors to date. Over 10,000 different configurations are possible, which is

testament to the plant's outstanding flexibility. The Jesi facility is an important local employer, employing more than 880 people.

New Holland is a global leader in producing speciality T4 orchard, narrow and vineyard tractors alongside the TK4000 crawler tractor, which features a unique-in-the-industry system of interchangeable rubber and steel tracks. The T5 Electro Command™, which brings semi-powershift transmission technology to the 95-115hp line-up, together with the standard T5 and T4 models are testament to New Holland's commitment to efficient, sustainable agriculture.

The plant achieved Bronze World Class Manufacturing status and utilises the most advanced technology to improve manufacturing. Ergonomic skids, which transport the tractor along the assembly lines, can move up and down so that they are at the optimal height for ergonomic working. The cab line rotates the cabs so they are at the ideal angle for operators to facilitate the highest quality finishing.

The state-of-the-art paint shop uses robotic painting technology and has over 200 different programmes to ensure a constantly high quality finish for all products.

## Commitment to manufacturing quality

The Jesi plant follows the most exacting quality standards to ensure unsurpassed farming reliability. Every driveline and cab undergoes a rigorous testing programme, which simulates authentic shock loading and vibrations. In addition, the hydraulics, engine, transmission, steering, brakes, differential lock and linkages of every tractor are fully tested. Furthermore, every day, two complete tractors are tested from the customers' point of view, with feedback directly used to improve future production.



# TT4 SERIES: REDEFINING THE ECONOMY TRACTOR BENCHMARK

New Holland's new TT4 economy utility tractor range is set to redefine the economy tractor market in this ever expanding segment. This range of tractors offers three models: the TT4.55, TT4.65 and TT4.75, producing engine powers from 55 to 75 hp.

The TT4 is set to replace the original Series TT which revolutionised the economy tractor market, when it was released to New Zealand in 2005. The New Holland Series TT tractor delivered proven technology, reliability, simplicity, and low cost of ownership, at a very economical price. Since its introduction, New Holland dealers have sold the TT model into many different applications nationwide.

The new line up enhances the choice available to farmers, small holders, local government / municipalities and other operators who are looking for a highly versatile tractor. It offers excellent manoeuvrability, ergonomic comfort and fuel efficiency. The complete range is ideally suited to a wide range of both agricultural and non-agricultural tasks, including front loader activities, hauling and PTO work. The entire TT4 series benefits from New Holland's acclaimed ergonomic excellence and distinctive styling cues.

## Economical engines for precision performance

The TT4.55, TT4.65 and TT4.75 models will boast FPT Industrial's S8000 turbocharged mechanical fuel injection engine. This 2.9 litre powerplant boasts two valves per cylinder and offers maximum torque of up to 300 Nm guaranteeing outstanding productivity for the most demanding applications. The engine uses Tier 3 technology to meet engine emission standards. Overall vehicle efficiency is further enhanced with a 540 eco PTO speed. This enables the engine to run at a lower working speed for reduced fuel consumption. Add to that 300 hour service intervals and the TT4 delivers plenty of power with economical running costs.

## Tailored transmission offering

A new 12 x 12 transmission offering is standard throughout the entire range and is enhanced with the addition of the dash mounted synchronised shuttle control. This dash mounted lever can be operated without removing the hand from the steering wheel, enhancing safety and improving loader productivity. An optional

20 x 20 creeper transmission is available for all models, with speeds as low as 0.27km/h (270m/hr) it's ideally suited for specialist activities and precision applications.

The transmission controls will be familiar to users of New Holland tractors: situated either side of the operator, all gear changes can be carried out from the comfort of the seat, without the need to stretch and reach, and enable the operator to easily switch from the steering wheel to the lever for the ultimate in ergonomic operation and safety.



## Precision hydraulics

Designed with your application in mind, the capacity of the dedicated implement pump is an impressive 52 Lpm, this ensures the required hydraulic performance even when carrying out the most demanding applications, including front loader and hay and forage applications.

Back that up with a dedicated 28.8 L/min independent steering pump, and the result is steering accuracy that is maintained without compromising loader cycle times, or three point linkage operation

## ROPS platform

The new TT4 range ROPS platform has been engineered by design with specific trim, fenders and noise protection to

enhance the operator's experience. A canopy for the ROPS frame is also standard equipment.

## Striking New Holland styling

The striking TT4 styling is reminiscent of the award winning T7 range. Key New Holland styling cues have been integrated into the overall design, including the distinctive front hood lights and oval front and rear work lights to guarantee impressive visibility. They have been combined with the brand's signature sloping nose for unobstructed forward visibility.

These new economy range of tractors have just arrived in New Zealand, and are supplied as standard with three year / 3000hrs premier warranty protection, for complete peace of mind.

MODEL	Peak Hp (kW) @ 2300 rpm	Max torque Nm @ 1250 rpm	Torque rise %
TT4.55	55 (41)	220	30
TT4.65	65 (48)	270	30
TT4.75	75 (55)	300	30





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<sup>1</sup>Payment structure: Full GST content at outset + deposit of 25% of GST exclusive price followed by 3 annual instalments. <sup>2</sup>4 YEARS/4,000 HOURS PREMIER PEACE OF MIND <sup>3</sup>Offer only available on T4 Dual Command™, T5 Series, T6000 Series, T7.170/185/200/210 series. <sup>4</sup>Offer available from 1st February - 31st May 2015.



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# SERVICE PLUS 4TH AND 5TH YEAR PROTECTION PLAN

We are pleased to launch the new Service Plus Protection Plan, which has been created to meet the needs of a broad range of products and assist in ensuring your machinery is maintained in good working order at all times offering peace of mind support, flexible options, finance packages and much more.

Service Plus replaces the previous Extended Service Plan (ESP) program, and is designed to protect product beyond the standard base warranty period providing coverage in the unlikely event of a failure caused by a defect in materials or workmanship.

Effective from the 1st August 2013, all agricultural tractors delivered will have automatically received a 3-year/3,000-hour Premier Standard Service Plus Protection Plan (SPP), free of charge. Optional Service Plus Protection Plan (OPP) can now be purchased prior to the end of the base warranty period, or the expiring SPP Period.

Applicable models which are covered under the new Optional Service Plus Protection Plan (OPP) are listed below. Full details of the applicable OPP powertrain and premier coverage will be available from your local dealer at the time of quoting:



MODEL	Standard Warranty	Optional Protection Plan
Tractors	36 months / 3000 Premier (SPP)	Available to Purchase
Balers (RB and BB Series)	12 months base Manufacturer's Warranty	Available to Purchase
Combine (CX and CR Series)	12 months base Manufacturer's Warranty	Available to Purchase
Tractors/Balers/Combines	Within any existing base warranty period	Available to Purchase



Under the Service Plus Protection Plan all scheduled servicing must be completed by an authorised New Holland dealership using only genuine parts and lubricants. If you experience a machine failure it must be reported to your local dealer within 14 days, with the machine made available to your local dealer within 30 days to complete the repair, preventing further damage.

The Service Plus Protection Plan is designed to minimise downtime. To ensure machines are maintained at an acceptable standard you are required for your local dealer to conduct one to two scheduled services each year dependant on your application and usage.



## CLEAN ENERGY LEADER™: SUSTAINABLE, EFFICIENT TECHNOLOGY FOR MODERN AGRICULTURE

New Holland's Clean Energy Leader® strategy perfectly reflects modern agriculture. Since 2006, this commitment has been the driver for the development of numerous pioneering initiatives; built, created, shaped around the needs of farmers themselves, the machinery they use and the impact this has on the final consumers of their products, the world's population.

It is a belief which characterises everything New Holland does, and is enrooted in every factory, office and product. The overarching aims of the Clean Energy Leader programme encompass helping farmers achieve energy independence, increasing their production efficiency, improving the sustainability of their agribusinesses and it also underpins New Holland's 'committed company' ethos.

"At expos throughout Europe, farmers have experienced New Holland's latest products and innovative ideas, which will help them to improve the efficiency and sustainability of their farms, both in terms of the machinery they use and the state-of-the-art agricultural solutions on offer." Stated Kyle Baxter, New Holland NZ Operations Manager. "This will enable them to do more with less, and this is our vision for the future of agriculture."

### **Working prototype T6.140 Methane Power tractor: powered from energy produced on the farm**

New Holland unveiled a prototype T6.140 Methane Power tractor at Agritechnica. This tractor represents a key step in achieving

New Holland's goal of Energy Independent Farming, and has entered service at the La Bellotta Farm, outside Turin, Italy.

The methane is generated through renewable biomass produced in the biogas plant available on the farm. The T6.140 Methane Power, enjoys all of the features of a standard tractor and is equipped with a four cylinder, three litre engine produced by FPT Industrial, and develops a maximum power of 135hp and 620Nm torque.

The compressed methane is stored in nine tanks. The 50kg capacity delivers approximately half a day of autonomy during normal operation, and an auxiliary 15 litre fuel tank provides a backup in case of need. These tanks have been perfectly integrated into the overall design, and the tractor maintains the same visibility and operational ground clearance as standard models.

Methane propulsion technology offers numerous environmental advantages including emissions 80% lower than a standard diesel engine. The tractor's three-way catalyst ensures Tier 4B compliance on its own, without the need for additional after-treatment systems. When using bio-methane, the machine's carbon impact is virtually zero, and cost savings between 25% and 40% can be achieved when compared with conventional fuels.

**Key contribution to CNH Industrial's position as the sector-leader in the Dow Jones Sustainability World and Europe Indices**

Through its Clean Energy Leader programme, New Holland Agriculture played a fundamental role in CNH Industrial being recognised as the sector-leading company in the Dow Jones Sustainability World and Europe Indices. For the third consecutive year CNH Industrial has topped the index, with the best-in-class environmental dimension ranking.

New Holland, which is committed to enhancing the sustainability of agriculture, has made significant investment to reduce the environmental impact of its production facilities through advanced energy and water management.

Furthermore, key components in this programme include reducing waste through remanufacturing and mitigating the environmental impact of its plants by participating in biodiversity and conservation projects around the world.

**New Clean Energy Leader website: the go-to place for sustainable farming information**

The Clean Energy Leader programme has been evolved to perfectly mirror modern farmers' needs, and the four central

principles of growing energy, efficient productivity, sustainable farming and committed company provide the framework for the new and fully interactive website.

The website, which has been optimised also for navigation on mobile devices, enables farmers to conveniently access all information while they are working in their field. Users can navigate each section, discover new multimedia contents and be always up to date following the latest information and developments in the farming sector, thanks to the many social media feeds.

Visit the new Clean Energy Leader website on [www.thecleanenergyleader.com](http://www.thecleanenergyleader.com) to find out more.



*Sustainable Efficient Technology*





## THE ALL NEW T4 RANGE LAUNCHED. MORE POWER. MORE FEATURES.

New Holland has completely redesigned and upgraded the T4 range, which now features three higher horsepower premium tractors which will replace the existing T4000 and the entry-level models of the T5000 ranges. This tailored offering produces between 86 - 107 hp and benefits from state-of-the-art Common Rail technology with an efficient Cooled Exhaust Gas Recirculation system for Tier 4A compliance. Advanced features include optional electronic draft control and Dual Command™ transmissions, and together with the deluxe VisionView™ cab and distinctive, eye-catching New Holland styling, the universal appeal of this range has been further extended.

The four model range, which was conceived with loaders in mind, produces between 84 - 114hp and delivers maximum torque of 457Nm. "In the competitive livestock and mixed farming segments, farmers are demanding increased levels of operational flexibility and comfort." Stated Kyle Baxter, New Holland NZ Operations Manager. "That is why we introduced the Dual Command transmission with creeper alongside New Holland's renowned SuperSteer™ front axle."

### **Segment-leading deluxe VisionView cab: outstanding operator comfort and unsurpassed visibility**

New Holland knows that operator comfort is a prerequisite for optimum productivity, especially during long and demanding days. The deluxe VisionView cab, also available on the T5 range, was designed around the operator using advanced virtual reality techniques to offer unparalleled ergonomic excellence. The spacious interior is a full 20% larger than its predecessor, for even more comfortable operation. All controls fall perfectly to hand for operators of all shapes and sizes. The principal controls, including the electronic draft control (EDC) mouse, and hydraulic remote levers, amongst others, have been placed to the right of the operator in an ergonomic 'Command Arc' to reduce fatigue and increase precision.

A dedicated foot pedal to infinitely adjust the position of the steering column and integrated instrument cluster is located at the base of the column, which enables precision placement whilst in the actual driving position.

The curved opening rear side glasses offer a clear line of sight for rear-mounted off-set mowers; comfortable visibility is further assisted by the 15° of seat swivel. The repositioned exhaust muffler, now in line with the A-pillar, significantly enhances visibility with a perfect view of the inner tyre wall, ideal when working in narrow row-crop applications.

An all-new dual zone air conditioning system features 10 individually positionable vents, which all deliver even flow thanks to dual-zone technology for optimal total-body comfort. The B-pillar mounted controls fall perfect to hand, and can be intuitively adjusted whilst on the move.

The deluxe VisionView™ cab has been designed with traditional livestock operations in mind, with an overall height as low as 2559 mm (with 420/85R30), enabling the T4 full access to even the lowest sheds.

### **Transmission offering: Dual Command transmission with creeper**

New Holland's acclaimed 24x24 Dual Command transmission, standard on cab and ROPS models, can also be specified with a creeper option. This transmission is ergonomically engaged via a dedicated lever in the cab, the creeper function is perfect for vegetable growers or speciality operations, and delivers speeds as low as 130 metres/hour. This is in addition to the Dual Command transmission's standard performance, which enables operators to shift between eight speeds in the three main ranges without the need to depress the clutch pedal. Furthermore, the Hi-Low splitter full load powershift, which is engaged on the move, reduces forward speed by 15% and increases available torque by 18%.

An ergonomic Power Clutch button is located on the rear of the gear shift lever and means operators can change gear without depressing the foot clutch, perfect when working in uneven, cultivated fields. The electro-hydraulic, column-mounted Power Shuttle offers effortless, fingertip shuttling.

#### **Adjustable shuttle sensitivity: regulated direction control**

Three aggressiveness-settings for the ergonomic column mounted Power Shuttle can be swiftly and easily regulated via a dedicated button on the left hand 'B' pillar. The soft setting is perfect for field activities such as baling, medium for standard work and the highly sensitive setting has been specifically designed to offer near-instantaneous direction changes.

#### **Powerful Tier 4A compliant engines for outstanding productivity and efficiency**

T4 models are fitted with the 3.4 litre, Common Rail F5C engine, developed in partnership with FPT Industrial; and benefit from state-of-the-art Cooled Exhaust Gas Recirculation technology (CEGR) for Tier 4A compliance. This is in full alignment with New Holland's T4A roadmap: due to their reduced cooling demands, machines producing under 120hp are fitted with CEGR technology. These engines deliver between 84 – 114hp and offer outstanding transient response thanks to the precision fuelling technology of the Common Rail engines. Productivity in demanding conditions is further enhanced with maximum torque of up to 457Nm and up to an impressive 35% torque rise.

This engine has been specifically designed for agricultural operations, and sustained maximum power is available through the range from 1900-2300rpm, the most common operating band, to deliver outstanding flexibility in the majority of tasks. Furthermore, all engines are compliant with B20, 20% biodiesel.

#### **Powerful hydraulic packages: up to 100 litres/minute of flow**

New Holland knows that a one size fits all hydraulic offering is not suitable for these models. Farmers that carry out the most demanding hydraulic applications, such as bale wrapping will appreciate the MegaFlow variant fitted as standard, which boasts 100 litre/minute of flow, with a dedicated 64 litre/minutes of hydraulic flow explicitly for the main pump to ensure uniform performance in even the most demanding conditions. Furthermore, a 36 litre/minute services pump ensures steering remains light and responsive even during intensive rear linkage work. Up to three rear, and two mid-mount hydraulic remote valves can be specified, which are all controlled from the comfort of the cab.

Rear lift capacity has been significantly enhanced, with maximum lift capacity of up to 3884kg. Traditional operations will opt for the award-winning Lift-O-Matic™ Plus, mechanical draft control system, which enables operators to return an implement to a pre-set working depth courtesy of an ergonomic lever and

constantly adjust the depth thanks to the same lever situated on the Command Arc. Electronic draft control is the default choice on cab models. The ergonomic mouse offers fingertip control of all key parameters including draft and depth control.

#### **Module front linkage and PTO: enhanced operating flexibility**

New Holland knows that in order to remain competitive in a highly dynamic market place, farmers prize operating flexibility. Available on all cab models, the T4 front linkage has been engineered by design to respond to this requirement. Available in three different configurations: fabricated front linkage only with a maximum lift capacity of 1850 kg; front PTO only and the modular chassis integrated, casted front linkage and PTO variant, operations can specify a tractor to suit their individual needs. Moreover, if a change of business focus was to occur, all options can be easily retrofitted by authorised New Holland dealers.

#### **Flexible tyre offering: maximum tyre size of 540/65R34**

A vast tyre offering will enable farmers to specify their T4 to suit their individual needs, whether by fitting 12.4 R36 row crop tyres to protect high value salad vegetables, or the very largest 540/65R34 for increased traction and reduced infield compaction.

#### **Rugged ROPS option: comfortable and safe operating environment with optional FOPS protection canopy**

Operations that require traditional, rugged productivity will select the ROPS variant. All configurations, except those fitted with a Dual Command™ transmission, can be specified in this format, which can be further enhanced with a fully FOPS (Fall on Protection System) compliant canopy. The foldable ROPS is the perfect choice for operations with the lowest shed doors.

Operators will benefit from the same operating environment and ergonomic layout as cabbed models. ROPSs variants have been further enhanced by the addition of hardwearing, weather resistant materials to ensure ultimate durability in even the harshest operating environments.



MODEL	Maximum power (hp[CV])	Maximum torque (Nm)	Maximum lift capacity
<b>T4.85</b>	86	351	3884
<b>T4.95</b>	99	407	3884
<b>T4.105</b>	107	444	3884
<b>T4.115</b>	114	457	3884

**These new models are now available in New Zealand, secure your new T4 Series today.**

# BIG BLUE TRACTORS TAKE STEEP COUNTRY IN STRIDE

With 23,000 stock units the people at Clayton Station have a lot of work to do, and they do it with two New Holland tractors and a telehandler. Clayton Station consists of 4100 ha at the head of the Fairlie basin. The Orbells family has been there for more than 50 years, and Hamish and Anna Orbells are the current owners.

Along with sheep, deer and cattle the station supports cash crops of barley, oats and wheat, and a small amount of dairy grazing. Hamish says Clayton Station has 3000 ha of hill country and 1000 of flat to rolling ground but even some of the rolling is quite steep. This is why they have chosen New Holland tractors – when even your rolling country is steep, you need gutsy tractors.

Their first New Holland arrived six years ago after the people from Johnson Gluyas Tractors in Timaru bought one out for a trial. “It was a good deal,” says Hamish, “and it put power to the ground very well on the hills. The New Holland handles the steep ground better than other brands we’ve had. It has a nice comfortable cab to sit in, and the fuel economy is good.”

The Orbells now run a two year-old T7.220, and a new T8.360. The T8 is 310hp, and under load can boost up to 357hp. The impetus behind the upgrade to the T8 was a heavy snowfall in the winter of 2013. With a metre of snow on the ground for three weeks, the smaller tractors weren’t big enough to pull the silage wagon. They also struggled with the four-bale feeder, Hamish had to use a two-bale feeder, until he could hire a bigger tractor.

The 2014 winter has been kinder but now if he needs to Hamish can put a snowplough on the front linkage of the T8.360 and tow the 14 tonne silage wagon at the same time. It saves a job, as they don’t have to grade before they can feed out. It all happens at once.

The rest of the time the T8 will be on tillage. Cultivation is done with a 4.0m combined discs and stubble incorporator, with an airseeder. There is also a 6.3m grubber that is run in combination

with a 6.3m tyre harrow. Hamish says these implements are easy work for the T8. “When the tractor needs more horsepower in road work or PTO work it will adjust accordingly.” He says the new T8 is also more fuel efficient. The smaller tractors were using 44 litres/hour at 2000 revs pulling the grubber but the T8 uses 40 litres/hour. The T8 is an AdBlue tractor. Hamish says he was initially dubious about that “but we’re getting three tanks of diesel to one of AdBlue so it’s not that bad. And it does make the engine run cleaner.”

The Orbells’ T8 has duals front and back. This and its long wheel base help it on the hills but the main factor behind the performance in steep country is the Terralock traction system. “Terralock is a 100% fully locking differential, and is a key reason why they are exceptionally good on hills. Plus you can turn the steering wheel and the diffs unlock and then it kicks back in again.”

While the T8 does the heavy work, the 167hp T7.220 is a good all-rounder. It has a front linkage, a loader and rear duals. It runs double mowers and does 90 percent of the feeding out. “The T7 is an extremely versatile tractor with the loader and front linkage. It is also very comfortable. It’s quite big for a loader tractor but when it’s also pulling the silage wagon I want the weight for stability.”

Both tractors have good visibility. “I really like the cab layout and comfort in the T8. They’ve altered it a little bit from the T7 and it’s more user-friendly – like the air conditioning is all on one side.” It’s also a quiet cab making it easy to hold a conversation. The T8 has the SideWinder armrest with all controls at the fingertips. The T8 has auto-steer. “It takes out the fatigue on the driver and ups the efficiency though it’s hard to trust it at first. The guy kept saying, ‘trust it’ when I was trying to pull it away from the fence but it was exactly on the mark.”

The Orbells have had very few problems with their tractors. The odd sensor has blown, but whenever there has been an issue, they have had 24-hour coverage and excellent service from Johnson Gluyas Tractors.



Peter Graham, driver (left) and Hamish Orbells, owner of Clayton Station.

# NEW HOLLAND EXPANDS FOOTPRINT IN ASHBURTON

New Holland customers in Mid Canterbury now have access to a wider range of products, along with better service and parts support, from the new Johnson Gluyas Tractors branch in Ashburton. Johnson Gluyas Tractors opened the new Ashburton New Holland dealership last December on its large 8000sqm purpose-built site at 225 Alford Forest Road.

Peter Gluyas and Chris Johnson launched Johnson Gluyas Tractors in Timaru in 1995. Opening a branch in Ashburton allows them to provide the same high-quality products and services to customers there.

Managing Director Chris Johnson says the expansion into the Ashburton area provides a large benefit for customers across Mid Canterbury. "The new location has given us a lot better profile in the region. Our Ashburton customers now have a wider range of machinery, parts and service at both sites," says Chris."

Johnson Gluyas Tractors offers a full range of New Holland machinery, including tractors, balers, combine harvesters and grape/berry harvesters, plus a wide range of other farm machinery. The company negotiates at the highest levels with distributors and manufacturers to get the most up-to-date, top-quality agricultural machinery at the best possible prices for its clients.

Johnson Gluyas Tractors stock a full range of genuine parts, accessories, oils and lubricants for all New Holland tractors and most types of farm machinery. With its parts online ordering system, staff can view stock availability nationwide, with parts sourced and delivered overnight.

Johnson Gluyas Tractors is also a Gold Value Parts dealer for older tractors offering a range of competitively priced parts. These parts fit a wide model application that includes Fordson Dexta and Major, Ford TW, Ford 3, 4, 5, 7000, 600, 10 series and Fiat 50, 80 and 90 series.

The company is a fully equipped New Holland service centre with worldwide support and trained technicians, servicing New Holland's wide range, plus GPS and PLM products. Customer support is available from Johnson Gluyas Tractors' highly trained technicians to resolve any potential issues or questions that may arise.

The company now employs about 50 staff in total, with about half in each location, plus key staff working across both branches. "Both our service and parts operation run independently, with the exception of the use of one parts and service manager overseeing the two branches. The sales team of seven all work together and run as one," Chris says.

"We have a lot of customers who farm in both areas, which has now made servicing easier. The end result for the customer is that they're now dealing with just one company, in either location, which is a huge benefit. We now can offer more support within the company by having specialist technicians in each of the locations."

Johnson Gluyas thanks its customers for their ongoing support, both in Ashburton and Timaru.



*Johnson Gluyas Tractors new Ashburton location*



## CELEBRATING 50 YEARS OF TRACTORS AT BASILDON WITH THE GOLDEN JUBILEE T7 AND T6 MODELS

New Holland's Basildon plant celebrated half a century of continuous tractor operations in 2014. To commemorate this important milestone, exclusive Golden Jubilee editions of the T7.270 Auto Command™ and T6.160 Auto Command were produced and a range of celebratory events took place throughout the year.

These exclusive tractors were unveiled at the LAMMA Show (UK) for the first time. They were only built during the Jubilee year, limiting their number to create two future Basildon icons.

In addition to these two celebratory tractors, all models produced in Basildon in 2014 featured a special 50th anniversary decal, which recalls the elegant lines of the T6 and T7 tractor ranges.

"The New Holland plant at Basildon has been at the centre of our tractor operations for 50 years. Today it produces tractors in the 120 – 270hp range, which are helping farmers and contractors across the globe to farm in an ever more productive, sustainable and efficient manner." Stated Carlo Lambro, Brand President of New Holland Agriculture.

He added: "These exclusive Golden Jubilee editions celebrated the unparalleled success of both the T7.270 Auto Command and the T6.160 Auto Command. The special events also provided us with the opportunity to say thank you to the generations of colleagues who have contributed to New Holland's success."

### T6.160 and T7.270 Auto Command Golden Jubilee editions

Exclusive Golden Jubilee editions of Basildon's two flagship products were produced. The T7.270 Auto Command Golden Jubilee is the most powerful tractor ever to be built at Basildon and the T6.160 Auto Command Golden Jubilee represents the future of multipurpose agriculture. Both models feature metallic Profondo Blue paint, a rich midnight blue shade, gold grilles, exhaust guard and model identification.

Additional elements include a luxurious interior boasting an optional full leather seat, leather steering wheel together with a thick pile carpet and fully integrated IntelliSteer™ auto guidance is available.





### Half a century of making tractor history

The construction of a purpose built factory for the fully integrated production of tractors began in 1962, and the 15th May 1964 saw the very first tractors go down the production line of Europe's most modern tractor manufacturing facility. A quarter of a century later, in 1989, over two million engines had been produced and the now iconic Ford 7810 Silver Jubilee model was launched to commemorate this important milestone. Another key year for Basildon was the unveiling of the state-of-the-art visitors' centre in 2012, the same year the plant achieved Bronze World Class Manufacturing status and the UK Prime Minister, David Cameron, visited the factory.

Since 1964 over 1.6 million tractors and 3.1 million engines have been produced at Basildon. Today the plant employs more than one thousand people dedicated to producing industry-leading tractors. The facility can accommodate more than 10,000 different product specifications and 85% of total production is exported across the globe.

### Modernising global agriculture

Basildon's tractors themselves have shaped modern agricultural history, dating back to the first Ford 1000 series models of the mid-1960s. They ushered in the era of modern agriculture, and they were completely new from the ground up: new engines and transmissions ensured this range was an instant hit across the globe. The Ford 40 series were ground-breaking models in the early 1990s. They featured the renowned PowerStar engines, also built at Basildon. These tractors improved farming comfort, thanks to the SuperLux cab, which offered a quiet, roomy operating space, advanced closed centre load sensing hydraulics and the forerunner of the Electro Command™ semi-powershift transmission, the ElectroShift. Following the impressive UK and European launch, sales of this 75-120hp range reached the 100,000 unit mark.

### Improving productivity and enhancing comfort whilst increasing sustainability

The TS series was launched in the late 1990s and was an evolution of the 40 series. This range was the first to feature New Holland's distinctive styling, characterised by the sloping hood. It was also the very first range to benefit from Tier 1 emissions technology: signalling the start of New Holland's unwavering commitment to reducing the environmental impact of farming. The TM range, developing between 120-190hp, became synonymous with excellent performance and outstanding ease of use thanks to the introduction of

Terraglide™ front axle suspension. It was also the first range to benefit from productivity enhancing Engine Power Management technology.

Basildon tractors have always been at the cutting edge of transmission technology. The T7000 range boasted the best powershift in its segment, in the form of the Power Command™ transmission. Multi-award winning Auto Command, continuously variable transmission, technology came to Basildon in 2009 on T7000 series, as did the benchmark ergonomic SideWinder™ II armrest.

The plant's latest ranges, the T6 and T7 are continuing this productive, efficient and sustainable heritage. They are equipped with state-of-the-art ECOBlue™ SCR technology to meet the latest emission regulations, which has reduced fuel consumption by up to 10% whilst simultaneously improving productivity.

New Holland Agriculture's reputation is built on the success of their customers, cash crop producers, livestock farmers, contractors, vineyards, or grounds care professionals. They can count on the widest offering of innovative products and services: a full line of equipment, from tractors to harvesting, material handling equipment, complemented by tailored financial services from a specialist in agriculture. A highly professional global dealer network and New Holland's commitment to excellence guarantees the ultimate customer experience for every customer.



# FROM FORD SUPER MAJORS TO THE LATEST NEW HOLLANDS

Hawkes Bay farmer Ian Ellis has eight New Holland tractors, carrying on a tradition that began when his father John Ellis bought a Ford Super Major 5000 in 1967. After the first one, the Ellis family bought a couple more Ford Super Majors for their Waipawa farm. One even had a Campbell cab, a novel concept for men used to driving at night with a Swanndri over their knees, ears ringing from the noise and eyes full of dust. "We thought it was the bee's knees. It wasn't air tight but it was a great improvement," Ian says. "A tractor with a cab, how cool is that?"

Five years later they got a 7000 turbo. That was very cool too, a tractor with a turbo and more than 100hp. In 1999 Ian took over the farm and realised there was a lot of water under it. He drilled bores, went cropping and needed bigger tractors. By then Ford had become New Holland, and Ian got two 120hp tractors. After eight months Ian realised he had to go bigger and discovered the joys of 160hp.

Chug forward to 2014 and John and his beloved Ford Super Major 5000 are still on the job making conventional hay bales. "Dad loves his old tractor and we've had a good connection with Norwood since the beginning. The old Ford was bought new for \$3000 and it's still working after 17,000 hours."

Today Ian farms 2200ha of freehold and leased land. He and his four staff crop 1200ha and they fatten ewes and lambs. Ian also trades ewes and lambs and a few cattle. During his time at the helm, Ian has bought 12 New Hollands from Norwood Farm Machinery Centre in Hastings. The ones he now has range from a 330hp T8040 down to two TS110A at 110hp.

"When we're flat-out planting, I have a tractor per implement. It saves time swapping back and forward." Ian usually drives a T7050, which tows a 5000-litre sprayer with a 32m boom. It sprays 1200ha three to four times every summer. The T8040 has an 8.3 litre six-cylinder engine and runs 6.0m power harrows during the planting season.

A T7.260 uses its 260hp to pull a 5.5m set of discs. It has a selective catalytic reduction engine and Ian says there has been no problem adding AdBlue urea into the routine. "It's a fuel-efficient tractor. It only uses 17 litres per hour of diesel towing 5.5m discs." The T8010 (230hp) is the drilling tractor for crops and re-grassing. It plants peas, beans, sweet corn, wheat and barley.

The two TS110A have loaders and do the rolling, shift fertiliser and fill up drills with tonne bags of seed and fertiliser. They also spend a lot of their time stacking hay and straw. With all that cropping there are more than 5000 bales just of pea vine hay and barley straw to shift each year. All the tractors have Powershift transmissions.

Ian is big on cab suspension. "I reckon it's a must for comfort when riding in the paddocks. Our paddocks are quite smooth but in rough ground you need that cab suspension." He also nominates SuperSteer™ as a great asset on New Holland tractors. "It's a great thing to have. The turning circle is a lot smaller. When you're cultivating paddocks you're not going backward and forward to get into tight spots. It gets you into places you can't go with traditional steering. It's also good for positioning bales on trucks."

The new tractors are GPS-ready, and Ian got his first unit last year. "The tractor's set up for auto-steer, so we just had to buy the GPS and hook it in. Eventually we'll have units in all of them. It helps with the big gear to avoid overlaps, especially with the sprayer. You could overlap five metres and not even know it. I was spraying Roundup in the dark the other night and all I did was follow the GPS. They are brilliant."

Ian says sticking to one brand makes it easier to stock parts, swap implements and teach staff. "The layout of the cabs is the same. It's no use having different brands and workers just figuring out one and then they have to start again with another. We stick to one brand and everyone knows how to drive them." Re-sale is another reason he gives for sticking with New Holland. "They're one of the leading tractors and always have the latest technology."

Ian has had great service from Norwood Farm Machinery Centre, Hastings and can't say a bad word about them. "They've responded when I've had any little problem. They're onto it straight away. They fix it and explain what happened. The sales agent Aidan, the workshop manager and the boss are always great. "New Holland looks after me and I'm sticking to their brand."



From left: David Morrell, Ian Ellis (owners), Mathew Morison and Hayden Halliday

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[www.newholland.co.nz](http://www.newholland.co.nz)

# Moisture testers - Hay

## DHT-1 PORTABLE HAY TESTER

### FEATURES

- Direct readout for % moisture and temperature
- Separate electronics module from probe
- Extra-rugged probe shaft made from aircraft aluminium
- Sturdy pistol-grip handle
- Padded carrying case included

### SPECIFICATIONS

- Accurate throughout the normal range of stored, baled Alfalfa, Timothy and Clover Hay
- Testing range: 14.4% - 44% moisture; 0° - 107°C temperature
- 1 year warranty
- Probe only: B500819 (18"), B505230 (24"), B500820 (32")

DHT-1 RRP \$296.28

Part No. FM07100DS



## HT-PRO PORTABLE HAY TESTER

### FEATURES

- Expanded low moisture range down to 8%
- Backlit display for night use
- Built-in calibration button
- Extra rugged 20" probe for testing square or round bales
- Direct readout for % moisture and temperature (°F/°C)
- Above and below moisture limit indication

### SPECIFICATIONS

- Accurate throughout the normal range of stored, baled Alfalfa, Timothy and Clover Hay
- Testing Range: 8% - 44% moisture; 0° - 107°C
- 1 Year warranty

HT-PRO RRP \$385.15

Part No. 87298951



## WINDROW PORTABLE HAY MOISTURE TESTER

### FEATURES

- Quickly measure loose hay and forage from a windrow
- Time from sample to test result: 30 seconds to 1 minute
- Measuring Range: 13% - 70% moisture
- Accuracy: +/- 2% - 4%

WINDROW RRP \$475.28

Part No. 87299901



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# Drop us a line



## WE'D LOVE TO HEAR FROM YOU.

If you have a snapshot, comment or suggestion of something you'd like to see in the newsletter then please let us know.

You can either post your comment to:

New Holland Club  
Freepost 255  
PO Box 1265, Palmerston North

or send them by email to: newhollandclub@norwood.co.nz

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