

The World of New Holland

Autumn 2010 Edition



NEW HOLLAND

AGRICULTURE

- **Agritechnica Awards**
- **T7000 Auto Command™ Driving Impression**
- **Basildon Factory**
- **Colouring Competition Winners Announced**



New Holland *improves productivity* with Agritechnica Award Winners

New Holland has once again proven its reputation for technical ingenuity with awards presented to the company by the judges at the 2009 Agritechnica machinery show.

The awards, which recognise technical innovation with practical benefits on production, have been bestowed on the FR9000 forage harvester's IntelliFill™ system and the ABS SuperSteer™ for the T7000 series tractors.

Automatic Trailer Tracking gets Gold

Receiving a gold medal, Agritechnica's highest award, the FR9000's IntelliFill™ system allows the operator to fill a trailer accurately and with minimal losses, even when visibility is limited. Following a front-to-rear or rear-to-front pattern, the automatic trailer tracking system uses a specialised 3D camera mounted under the spout to guide the crop flow into the trailer. The system ensures a uniform fill whether the trailer is alongside the forage harvester, or following, in the case of starting new fields. The system can accurately control the crop flow trajectory even when operating at night.

The spout-mounted sensor creates a distance image of the trailer and its surroundings, based on NIR (near infra red) technology. Unlike conventional mono or stereo camera systems, which have poor depth perception, the New Holland tracking system can accurately position the crop flow to a distance of 20 metres.

The system can operate in conjunction with any trailer without the need to calibrate or adjust to recognise any new trailer. This allows the operator to automatically control the position of the spout and to consistently fill any type of trailer.

The driver benefits from improved operating comfort and safety, and is able to concentrate on the front of the machine and increasing work rate. During long working days, and even in the dark, the automatic spout guidance will consistently reduce spillage of crop, thus increasing the overall quality of work of the forage harvester.

Silver medal for ABS SuperSteer™

Anti-lock braking systems for cars and trucks are now commonplace. But the added complications of heavy mounted articulated equipments, uneven terrain and a huge amount of variation in traction conditions, even from wheel to wheel, means that an effective antilock braking system for tractors requires more advanced development.

New Holland has won a silver award for its ABS SuperSteer™ - a smart application of ABS technology to tractors, which not only offers confident stopping power with increased safety, but also increases tractor manoeuvrability and improves safety when operating on steep hills.

ABS SuperSteer™ uses ABS technology to manage each wheel's brake individually. This new feature will be available on future New Holland high power, high speed tractors like the T7000 Auto Command™. ABS SuperSteer™ will enable a new generation of 60kph-capable, front-axle suspension tractors to achieve an outstanding level of field agility and comfortable ride control.

New Holland's pioneering SuperSteer™ axle remains available on New Holland's range of tractors from 40 to 325hp but is limited to a top speed of 40 kph.

Using a single foot pedal, the ABS SuperSteer™ allows the tractor to be steered by the brakes. Two orange pedal extensions either side of a single pedal replace the conventional, independent two-pedal arrangement. At low speed, this provides the driver with the same single-wheel steering as a conventional tractor, but automatically disables at higher speeds to prevent accidental application.

The ABS SuperSteer™ function includes tyre slip control and automatic coupling with the steering angle. This allows the tractor to perform tight turning manoeuvres without driver intervention on brakes by pivoting on a braked rear wheel, reducing the turning circle to that of a tractor fitted with a SuperSteer™ front axle. A driver-selectable amount of slip on the pivoting wheel is allowed to prevent soil damage.

The hill holder function improves tractor control on slopes, automatically engaging the brakes to prevent the machine rolling back during hill starts and easing clutch engagement.



Canterbury contractor says New Holland square baler a big step up

Canterbury farmer-contractor Gareth Dalley's New Holland machinery delivers him benefits that have improved the operation and quality of his business. Gareth farms a 200-hectare mixed arable livestock farm at Hororata and runs a contracting operation around Methven, doing fine-chop silage and a complete baling, cartage and wrapping service.

His latest purchase is a New Holland BB9080 big square baler that he bought over the winter. The machine was imported into New Zealand last summer as a test unit, and Gareth ran it as part of the testing procedure. "We liked the machine's performance and Norwood Farm Machinery Centre in Christchurch offered a reasonable deal to purchase it at the completion of testing," he says.

"We've had New Holland balers before. I've been operating in Methven for six years running New Holland square balers and my predecessor, who I bought the business from, was a loyal purchaser of New Holland machinery as well."

Gareth still has one of his previous New Holland big square balers, a BB960. It has the same chamber size as the new BB9080. "The main difference visually is the new panel styling, and operationally the improved top-corner fill for baleage, which was an issue before. The improved top fill means there are sharper corners on the top edge of the bale, so there is less air in the plastic wrap," he says.

The BB9080 contains a set of scales, meaning Gareth can now weigh individual bales or total job lots in the paddock. "That makes quite a difference on jobs where the crop is being traded. Instead of loading the truck up and travelling some distance to a weigh bridge, we can weigh in the paddock, saving the client added transport cost and time."

Gareth says this baler came equipped with a single axle rather than the previous machine's tandem axle, which wore the tyres out quickly and was a higher cost option for little benefit. "There are other modifications as well – a touch-screen monitor, a CCTV on the back so you can see the bales or cars behind you, and an in-cab electronic bale length adjustment," he says.

The BB9080 has proven to be reliable so far and has been running constantly since mid October. Gareth estimates it will make between 20,000 and 25,000 bales this season.

Gareth's baler operator Bodie Hawkins also likes the BB9080. "We try to keep one operator on each machine to improve familiarity and optimise efficiency but the logic of the new InfoView™ monitor is easy enough to navigate so other drivers can fill in where necessary," he says.

Gareth pulls the BB9080 with a 2005 New Holland TVT155 tractor with variable stepless transmission, which means he can select the right operating speed in any rev range. "You could sometimes think that the TVT155 is low on horsepower," says Gareth. "To drive these big balers they recommended close to 200hp but we find the stepless transmission compensates for it being only about 150hp. You don't lose speed with the gear change. It doesn't stress the baler's drive line, and we don't have any problem with braking shafts or burning out clutches."

In addition, Gareth's fleet of machinery also includes two eight-year-old FX48 forage harvesters, which have been proven to be reliable machines. "I like the modulation of the FX48s. For servicing and repairs all the running gear components are easily removable," he says.

"It helps that I did my apprenticeship with Norwood, where I was a Service Technician for eight years before I started contracting. My familiarity with those machines has helped us keep them serviced and in good operating condition."



Driver Scott with the BB9080

It's just like driving a car!

New Holland tractor T7070 Auto Command™ in the Agrartechnik field test



With the T7000 Auto Command™ series, New Holland has taken the final step towards making its products clearly different from those of its sister companies.

We had the opportunity to test one of the first tractors to have the continuously variable transmission (CVT) developed and built by New Holland.

Anyone who expected the T7000 Auto Command™ to be a cross between the T7500 continuously variable tractors and the UK's Basildon built T7000 tractors (which were introduced in 2007 with fully power-shifted transmission) might, perhaps, be disappointed.

But everyone else, and that includes us in the test team, has been almost stunned by the consistent development of tractors in general; and particularly by the all new CVT manufactured in New Holland's own transmission plant in Antwerp.

We've been impressed by the ease of use too. In last year's test we had a T7030 with Power Command™, so as soon as we entered the cab of the T7070 Auto Command™ we were very surprised to find that we were experiencing a totally different tractor.

The armrest, which New Holland calls SideWinder™ II, reminded us of the T8000 large tractor series with its four integrated auxiliary control devices. In fact, during the introductory briefing, we discovered that this is indeed where the idea had come from.

The multi-function joystick, on the other hand, will be familiar to drivers of the award-winning FR field chopper. But this machine has been equipped with specific functions for operating the tractor. It has, for example:

A dial for cruise control adjustment; push buttons for cruise control preselection; switches for the powershift shuttle lever; powerlift operation; a rocker switch for two auxiliary con-



Left: The coolers are large and can be quite easily cleaned after swinging them open. A reversible fan can also be supplied.

Below: The large air filter is also fitted with an additional safety cartridge.



trol devices; a headland turn system; and automatic shifting buttons. And we were already familiar with the touch screen monitor from the CR9090 rotor thresher that we tested last summer.

So the development engineers have implemented everything that, so far, has been tried and tested in the flagship products, and put it into the T7000 Auto Command™ tractors, including the new transmission control.

The use of a thumb wheel to pre-select the cruise control speed reminded the test team of the Mannheim tractors. However, the Auto Command™ is able to save three forward speeds and three reverse speeds. Pressing the actuation button on the reverse side of the multi-function joystick and experiencing its backwards and forwards movement made us immediately think of the Fendt's Vario lever and how it operates. In addition, the tractor can be moved using the accelerator pedal as seen in T7500.

By adopting their main competitor's operating logic the development engineers were no doubt aiming to make it easier for customers to switch brands. After taking it for a drive, we were absolutely convinced that their attempt to do this definitely looks promising.



Front PTO and hitch are available ex factory.



The flow quantities and times for up to eight electronic auxiliary control devices can be easily and accurately adjusted using the touch screen monitor.



The keypads for all other tractor functions are located in the side console that is also attached to the armrest.



Using a rocker switch, the armrest can be electrically adjusted to suit the driver's height and arm length as it moves in a curved path forwards and upwards.



The knobs for the powerlift settings and other functions are located under the padded armrest cover.

Technical data for New Holland T7070 Auto Command™

- Rated/maximum engine output: 167 kW/224 hp/187 kW/251 hp
- Cubic capacity/no. cylinders: 6,728 cm³/6 (turbocharger + charge air cooling)
- Max. torque/torque increase: 1,025 Nm at 1,500 min⁻¹/ 30 %
- Oil flow quantity/pressure: 120 (150 on request) l/min / 200 bar
- Lifting power: rear/front: 10,463 / 3,620 kg
- Noise level in cab: 69.6 dB/A
- Tyres front/rear: 600/60 R 30/710/60 R 42
- Empty/permissible total weight: 7,450/13,000 kg
- Length/width/height/wheelbase: 5.503/2.334/3.165/2.884 m
- Place of Manufacture: Basildon, United Kingdom

Sales information

The T7000 Auto Command™ series, consisting of five models, are deliverable in 2010. Because these models with their continuously adjustable transmission and new product characteristics complete the T7000 series that has Power Command™ (named after their fully power-shifted transmission and introduced in 2007) they also have the same engine output.

So the T7030 Auto Command™ starts with a rated power output of 167 hp. However the range has been expanded upwards with the T7070 that we were given for the field test. The T7060 has a rated power output of 213, the T7050 has 197 and the T7040 has 182 hp. Except for the engine and the front axle for smaller models, the T7000 Auto Command™ has almost nothing left in common with the T7000 Power Command™ tractors. In addition to the transmission with active stationary control and an electronic park brake, the following new details include: the Sidewinder™ II comfort armrest with touch screen monitor; the hydraulic control devices for increased flow rate with Hi-Flow pump adopted from the T8000s; and the electric PTO speed pre-selection. In addition, a reverse fan, exhaust brake, Xenon headlights and automatic steering are available as options.

Summary

With the T7000 Auto Command™, New Holland is sending a new series with a CVT into the market and, in our opinion, need not fear the competition in this class. The development engineers have really thought of everything in terms of operating comfort. The multi-function lever, positioned within easy reach at the front of the electrically adjustable armrest, together with the touch screen monitor and the console attached on the side with the keypad, in our opinion, make the T7000 Auto Command™ tractors the best in their class today in terms of ergonomics. And the variable transmission with its four mechanical groups and the hydrostat unit from Bosch also made an excellent impression in the field test.



The T7000 Auto Command™ systems have engines from the FPT programme manufactured in the new plant in Turin.

THINK BIGGER

New CR9090 Elevation. *The highest capacity combine in the world.*



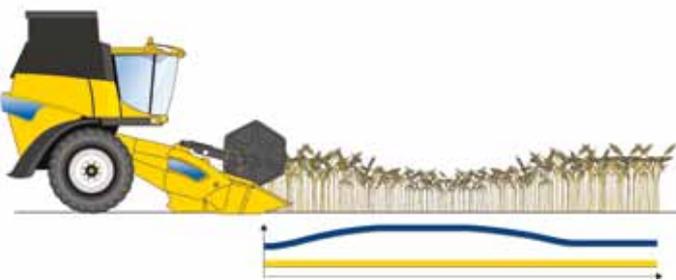
5.8m² glass surface the working place of a harvesting professional

The spacious cab has a glass surface of 5.8m²! No other combine cab offers as much room and as good a view. The new IntelliView III™ colour monitor has a wide easy to view screen. Navigation is also simple with its touch-screen capabilities.

In full control of the biggest combine in the world

For improved productivity, the new monitor also allows the DGPS-based IntelliSteer™ automatic guidance system to follow curved lines that were marked during the initial field pass or during a prior field operation.

The IntelliCruise™ automatic crop feeding system optimises the speed of the combine in line with the crop load: this allows top performance independent from yield variations within the field and maximises operator convenience.



Cab controlled crop-flow

The 575mm fore-aft knife position adjustment on the Vari-feed™ grain header offers ideal control of crop-flow from the start. The long floor travel guarantees a trouble-free field operation in a wide variety of crops and conditions.

6.5m² biggest cleaning area for the best grain quality

The unique twin rotor multi-pass, grain on grain threshing system ensures excellent grain quality, while rotor speeds of up to 1400rpm generate massive amounts of centrifugal force, giving exceptional grain separation and throughput. The cleaning capacity that has to match this extremely high threshing and separation is based on a massive cleaning

shoe: the CR9090 Elevation has a sieve area under wind control of 6.5m², larger than any other combine on the market.



The CR9090 Elevation also profits from the award-winning Opti-Clean™ system with optimised sieve movement, and high cascades for increased wind effectiveness. Added to this the New Holland self-levelling cleaning shoe is widely recognised as the best in class.

Grain Cam™ purity: another innovation first

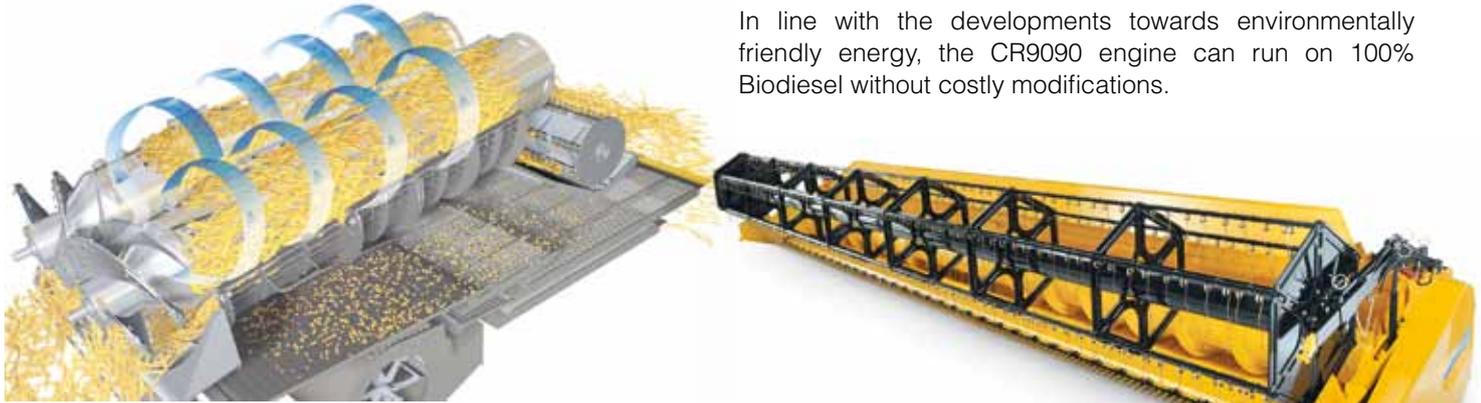
The multi-award winning "Grain Cam™" innovation is another "New Holland first". Further boosting grain purity, the system consists of a camera that recognises the concentration of chaff and



broken grain in the sample as it is transferred through the clean grain elevator into the grain tank. The operator of the CR9090 Elevation can adjust the combine settings, consistent with displayed information shown on the new IntelliView III™ monitor in the form of a graph, eliminating any guesswork and further enhancing grain quality.

Refining the Twin Rotor™ technology: delivering even more capacity than the CR9080 Elevation

The CR9090 Elevation combine is the newest and largest development of the pure rotary breed combines. The large



In line with the developments towards environmentally friendly energy, the CR9090 engine can run on 100% Biodiesel without costly modifications.

twin rotors and concaves of the most efficient threshing and separation concept assure an unmatched throughput capacity and the gentle action results in excellent grain and straw quality. Extensive research has furthermore resulted in a way to optimise the speed of the crop flow.

This top model profits from a feature that provides the ideal balance between crop agitation and crop progress.

Latest generation Varifeed™ grain header

Designed for today's modern farming practises, the brand new 10.7m (35ft) Varifeed™ grain header can be mounted on the CR9090 Elevation combine. The rugged frame construction and the operational features including heavy-duty high speed knife drive, large auger diameter and extended reel tine reach guarantee an impressive cutting and feeding capacity, matching the throughput of the world's largest combine harvester.



12,500 l / largest grain tank raises daily performance

With a grain tank capacity of 12,500 litres, the CR9090 Elevation holds close to 20% more than the CR9080 Elevation. It can harvest more and fill the tank faster with no concern about having to empty more often. When the grain tank covers are folded down, the CR9090 Elevation is still within the 4 metre transport height limit.

435 kW [591hp (CV)] / the most powerful engine saves fuel

More power than any other combine! Delivering a maximum of 435kW [591hp(CV)] the Iveco Cursor 13 TCD engine uses the advanced Turbo Compound technology. By transmitting the energy left in the exhaust gases to the engine crankshaft, the Turbo Compound technology consumes 5% less fuel when compared with a "conventional" engine of the same power.

1,160 l fuel tank the longest harvest day from the clean energy leader

The fuel efficient CR9090 Elevation combine has a 1,160 litre fuel tank, the largest available, for uninterrupted field-work during the longest harvest day.



Opti-Spread™ residue management in control of full width spreading

A dedicated, powerful straw spreading system, mounted behind the straw spreader, easily meets any practical spreading width requirement. The optional spreader uses two contrarotating spinning discs, with adjustment possibilities that neutralise side-wind or hillside issues. For total operator convenience and uninterrupted field work, the adjustments are fully cab controlled.

An impressive 10% capacity increase over the CR9080 Elevation

Adjustable rotor cover vanes optimising the crop progress through the exclusive Twin Rotor™ system, the most powerful engine on the market with technology that saves fuel, the new 10.7m (35ft) Varifeed™ grain header and the massive 12,500 litres grain tank, all add to a capacity increase of 10% in comparison with the already impressive CR9080 Elevation.

LM740 telehandler takes daily workout in stride

Waikato dairy farmer Dave Forsythe says his New Holland LM series telehandler is meeting all the demands he places on it in his intensive dairy farm operation.

Dave and his wife Sue have a 243-hectare property at Te Kawa, 15 minutes from Otorohanga, where they milk 1050 cows on 185 hectares. They bought the LM740 about 18 months ago. It was the first LM740 purchased in New Zealand.

Dave says they had owned a telehandler before they bought the LM740 but this is a much better machine. "We liked the LM straight off," he says. "The doors are located in a much better place than our other machine. They are easier to operate so it is easy to get in and out of the cab. It sounds pretty simple but the way we use it we're constantly in and out. It also offers better visibility than our previous telehandler."

The New Holland LM Series telehandlers are designed to suit the needs of the modern farmer. A ground breaking new side-engine design offers outstanding levels of performance, exceptional stability and superb refinement.

The LM range offers all-round visibility from the 360° cab, a New Holland patented driveline, and corner-to-corner wheel-base chassis with an exceptionally strong boom system.

The LM740 makes light work of transport duties, muck handling and silage stacks, where a high tear out force and fast operating cycles are a priority.

With a 120hp engine, the LM740 comes standard with a four-speed 40kph PowerShift™ transmission, which allows the

operator to shift between ratios quickly and is well suited to applications that include road work, loading bales in the field and fast rehandling.

Dave Forsythe uses his LM740 telehandler every day on his feeding out programme. "My staff use the machine every day of the year. We use it to load potato waste, maize silage, palm kernel, straw, grass silage and whole-crop triticale into the mixer wagon to feed out onto a feed pad for the milking cows or into bins alongside a herd home where the dry cows are fed."

Dave says the high boom is a particularly good feature. It eliminates the possibility of hitting the sides of the mixer wagon when loading. "It is a specific loading machine. A lot of people in the past have used tractors for loading but tractors are not really built for that," he says.

"Our LM740 has been used every day since we bought it and it's very robust, easy to operate and the maintenance is good."

The LM740 features a turbo-charged 4.5-litre engine, heavy duty valve train components and a self-adjusting poly V-belt, which contributes to its longevity. It combines precise control with a lift capacity up to 4000kg and a lift height up to 7.13m.

Dave and Sue Forsythe purchased their New Holland LM740 telehandler from Giltrap Farm Machinery Ltd in Otorohanga, whom they say offer excellent support and backup.



From left: Matt (milker) and Dave Forsythe (owner)

OUT AND ABOUT WITH NEW HOLLAND



New Holland NZ Operations are proud to be sponsors of the 57th World Ploughing Championships to be held at Methven from 15th – 18th April 2010.

The World Contest is being held in conjunction with the New Zealand Ploughing Championships. The four day contest is being held under the auspices of the New Zealand Ploughing Association Inc on the JF Ridge & Sons farm, Methven.

Sixty competitors from 30 countries will take part in conventional and reversible ploughing classes on both stubble and grass plots.

April 15	NZ Stubble Finals
April 16	NZ Grassland Finals World Ploughing Opening Ceremony
April 17	World Stubble Finals
April 18	World Grassland Finals

For more information, or a map, visit www.nzplough2010.co.nz

The farm is located 10kms from Methven. It will take you just over an hour to reach Methven/Mt Hutt Village from Christchurch International Airport - Driving south from Christchurch, take SH1 to Rakaia. Turn right at the big salmon, stay on the main road and you will drive straight into Methven. Alternatively, take the Inland Scenic Route on SH72 through Horarata and Rakaia Gorge and turn left at the first signpost you see (at Mt Hutt Station) to Methven via the alternate route. To get to the Ridge Farm from Methven - drive out of Methven on Barkers Road (take the road just next to the Mobil Service Station) and follow it around to the left. Drive about 7kms and the road will become Methven Barhill Rakaia Road. Follow the road and go straight ahead until you reach the crossroads of Rakaia River and Cairnbrae Roads. Turn left and you are there!

Upcoming events

15th – 18th April 2010 World Ploughing Championships, Methven

16th – 19th June 2010 National Fielddays[®], Mystery Creek

**See the new T7000 Auto Command™
at a Field Day near you!**



Quality first

We have talked about our products, from the latest innovations introduced to make farmers' work easier, to our history and the values which inspire us to develop simple and productive technologies. Now we would like to introduce to you one of the sites where New Holland tractors are built, the Basildon plant, where innovation and quality are the highest priorities.

More than 1,000 employees, 5 kilometres of assembly line and 600 tonnes of material used each day. Over 1.6 million tractors built since 1964. These are just some of the numbers that illustrate the scale of the work done at the New Holland Basildon plant, which is located about 40 kilometres east of London. But in this case numbers don't tell the whole story. In fact the greatest testament to the plant's success are the products which make their way from the Basildon assembly lines to farms in over 120 countries worldwide. This is a vast and diverse manufacturing operation driven by the aim of producing high quality tractors which are durable, reliable and easy to use. This result is achieved by means of constant innovation in terms of tooling, production processes and applied technology. Not forgetting the involvement of people, continuous staff training and a passion for knowledge.

At the Basildon plant, New Holland assembles T6000 and T7000 series tractors in addition to the new T7000 Auto Command™ models. This is made possible by Basildon's sister plants: the engines arrive from Turin, Italy, the transmissions/rear axles from Antwerp, Belgium, the front axles from Modena, Italy, and the cab frames from the plant in Croix, northern France. These elements are coordinated to arrive with military precision at Basildon's forty hectare Tractor Operations site. The cabs are trimmed to meet customer specifications while the key components come together to form the heart of the tractor.

Hitting new heights through innovation

Not everyone may be aware that supplying tractors which are capable of meeting the needs of farmers around the world means being able to produce many different configurations.

The Basildon plant produces 4 and 6-cylinder machines with outputs ranging from 100 to 225 hp, accessorised and customised to give a total of 6,550 different tractor specifications.

Therefore the plant is able to provide the maximum degree of customisation requested by international customers and offered by New Holland. This demands the right combination of mechanisation, technology and excellent organisation. To meet this objective, the plant has introduced two major innovations which have further improved the production process and, consequently, the quality of the finished products.

The first is a revolutionary system for transporting transmission, rear axle and engine from one processing line to the next. Known as the Auto Guided Vehicle (AGV) assembly system, it ensures maximum safety in terms of mobility and process, thanks to software which allows the components to

be automatically moved and aligned in the initial assembly workstations. AGVs consist of automated trolleys which first transport the transmission and the rear axle to the engine before transferring this assembly to the front axle. The heart of the tractor is then conveyed along the assembly line.

Another important innovation is the paint process used to coat the engine-transmission-front axle assembly, a treatment which preserves its quality and performance over time. This fully robotic process guarantees maximum productivity and, more importantly, a consistent finish with perfect coverage, whilst ensuring respect for the environment and a safer workplace. As innovation does not come only from equipment, but mostly from people, new processes to eliminate waste with strong people involvement are being deployed following the World Class Manufacturing (WCM) methodology.

The transformation is clear in the Pilot Area, the Pedestal Line, and can also be seen on the Paint and Cab lines, added by plant wide actions driven by Basildon employee sug-

The Basildon factory has been building tractors since 1964



One of the AGV moving components into a specific location for assembly

FACTORY NEWS



The AGV transfer system in action



World Class Manufacturing, the winning team of Basildon



The fully robotic paint system for the motor transmission front axle assembly

gestions. The objective is to drive the plant to a continuous improvement culture, aiming for zero waste.

Quality guaranteed

The staff at Basildon know full well that, even when the finished product exits the assembly line, the process is not yet complete. In fact, all tractors must undergo a series of extremely rigorous and precise quality checks and controls. Each machine is assigned to an owner driver, who is given full personal responsibility for checking every single function and command: from the transmission and the axles to the four-wheel drive and the differential lock, as well as the brakes, steering and hydraulics. It is a working method

which assures high quality standards, by involving and empowering the workforce.

Next is the Customer Quality Audit (CQA), a series of checks carried out by assessing the tractor from a customer's viewpoint. Two machines are randomly selected per day and subjected to a full audit. Finally we come to the field test. One vehicle is randomly selected each week and subjected to a 40-hour shakedown under simulated working conditions. This trial provides further feedback on areas such as the operation of the brakes, suspension and hydraulics, as well as in cab noise and protection against water ingress.

GARAGE

**This winter, don't leave your machine
with just anybody!**

Choose a New Holland expert.

Yes it's that time again already, time to start planning your out-of-season programme for your harvesting equipment. Some would say that the success of next season starts with what action you take in your off-season servicing.

Your local New Holland dealer is only too happy to discuss your maintenance requirements and offer support to ensure you get the best from your machine. So don't delay phone your local New Holland dealer now to book in early for your end-of-season check.





Elite performance pleases busy brothers

Two mid-range New Holland tractors are providing much appreciated versatility to a Coromandel dairying and small contracting operation. Brothers Ross and Allan Upton milk 350 cows on their 140-hectare dairy farm at Whitianga.

They purchased a New Holland T6050 Elite tractor in October 2008, after already owning a New Holland TS125A and an L75. Before that they ran Fiat tractors for many years. "I like New Holland tractors," Ross says. "I'm 6-foot 6-inches and 130kg and I need plenty of room. The cab is quite spacious and gives me good access."

Ross and Allan chose the 125hp T6050 Elite as a general-purpose tractor. "I do hay, silage, cultivation and under-sowing contract work, as well as general farm duties. The T6050 is a good mid-range tractor with good horsepower, and it fitted our budget," Ross says.

The Upton brothers' T6050 Elite does various jobs, but is mainly in front of the round baler, undersower and 3.0m rotary hoe. "With the power boost function it is great for heavy work and tough hill terrain, and the ease of turning at headlands," Ross says. The T6050 Elite offers high power for PTO and haulage applications without sacrificing fuel economy.

Turning at headlands is easy because four-wheel drive, differential locks and PTO are all automated. As you turn at the headland a steering angle sensor takes care of the 4WD and differential locks, while an adjustable Auto PTO system disengages and re-engages the PTO as the rear linkage is raised and lowered.

The T6050 is powered by a highly efficient four-valve engine. Common Rail direct fuel injection and dynamic flow map-

ping of intake air and exhaust gasses helps ensure every drop of fuel is turned into productive energy.

Ross and Allan have owned their New Holland TS125A tractor for four years and have done more than 2600 hours with the machine. "Basically it's the same as the T6050; the difference is it's just an older model, with the older type transmission. I have Range Command™ in the T6050 which makes it easier to operate, and there are a few differences in the cab, the T6050 gives me better visibility," Ross says.

The Upton brothers have had good performance from their TS125A, which is also used for general farming and contracting work. "I needed to get another tractor because the contracting side was growing. The T6050 has taken over a bit of the work load from the T6000 now. It has already done nearly 1000 hours. Overall I am happy with both our tractors, especially the 600-hour servicing, and the service received from the boys at Norwood Farm Machinery Centre in Morrinsville. They look after me really well."

The TS6000 range offers lightweight, multi-purpose machines for anyone who wants a flexible and economical tractor. Features such as four-valve common rail engines deliver the best torque performance of any tractor in its class, while New Holland's Engine Power Management helps the range deliver phenomenal power-to-weight ratios.

The T6050 is ideal as a lightweight, high-performance tractor for primary and secondary cultivation equipment or hay and forage production where high power at the PTO is required.

T6010 Plus – *latest addition to family's New Holland line-up*

A Southland dairy farming family has long advocated New Holland machinery and now runs a range of late model New Holland tractors and balers. Craig and Stephanie Dew milk 600 cows on their 250-hectare property at Merino Downs, 25km north of Gore. They are supported by Craig's parents Colin and Val Dew and two staff members.

The Dews have had New Holland gear for the past 16 years, including two TM tractors, an old TS90 SR, a 7840 SLE and a second-hand 654 baler. They currently own a BR740A baler, a TM115 tractor and a T6010 Plus tractor, which were all purchased through John Scott of Southland Tractors Ltd in Invercargill.

They have owned their BR740A baler for three years, and Craig says it's a wonderful machine. "It's a pleasure to bale hay and baleage with it. The knife mechanism works well and the wrapping mechanism is also good," he says. "It has rotor feed on it, which is comfortable and easy to operate." The Dews have made about 4800 bales of baleage, hay and straw with the baler.

They've owned their TM115 tractor for 10 years and still love it. "It's a really good tractor – it works well and it's done 3800 hours," Craig says. "We mainly use it for ag work and baling. We do all our own ag work now and it pulls power harrows and sows grass seed. It's a good all-purpose tractor."

The TM115 tractor is a six-cylinder machine producing very high torque. The Range Command™ has 18 forward and six reverse gears, using a wet clutch for a smooth engagement. The PTO offers three speeds – 540, 750 and 1000, giving it plenty of PTO power.

The Dews have only owned their T6010 Plus for 18 months but have already done 1100 hours with it. The tractor was bought specifically for loader work. "It does all our feeding out and I do most of the ploughing with it using a four-furrow reversible plough," says Craig. "It's tough and robust, has great visibility and I love the appointments inside the cab."

He says the T6010 Plus is a very different tractor to the TM115. "The cab is totally different." T6010 Plus models are particularly well suited to loader work due to their reasonably short wheel base, high-flow hydraulics and excellent visibility. The range is offered with a choice of advanced two-valve, four and six-cylinder engines, which are extremely quiet, smooth running and fuel efficient. The mechanical fuel injection suits a variety of engine speed applications, such as yard and transport work, as well as providing excellent performance in duties as wide ranging as mowing and baling through to cultivation and drilling.

"We love the appointments on the New Holland tractors and we've had a good run with New Holland in the past," Craig says. "The features of the tractors would take a bit to beat."

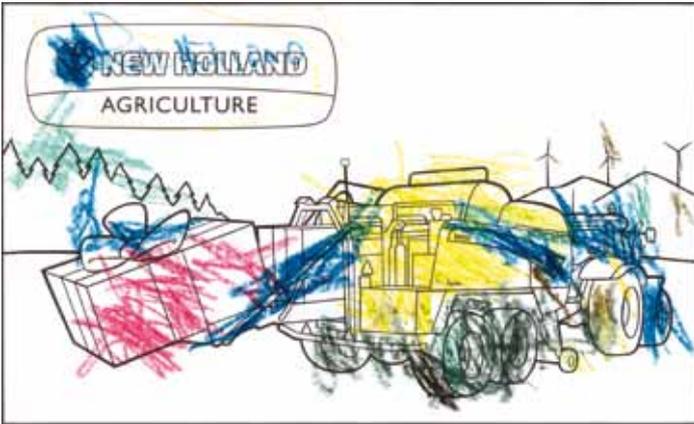
From left: Colin Dew (father), son Craig and grandson Blake



KID'S CLUB

Thank you to all who entered the **Kids Colouring Competition**

The winners of each age group were:



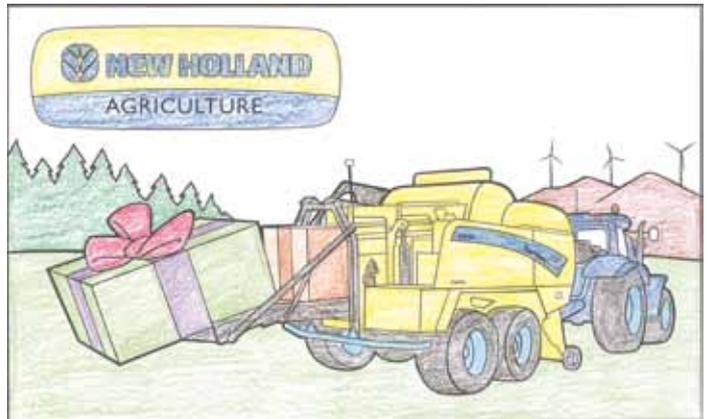
5 years and under winner
Jareth Turner of Dannevirke



6 – 8 years winner
Daniel Baxter of Darfield

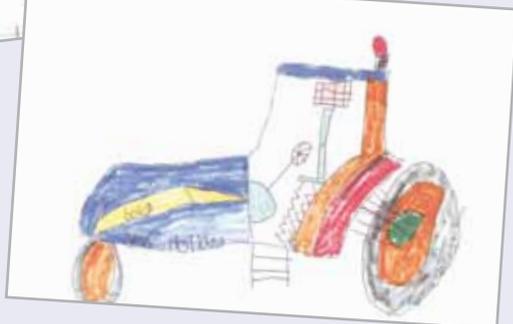


9 – 11 years winner
Karl Dear of Himatangi



12 – 15 years winner
Samantha Rawiri of Ngaruawahia

We would also like to thank
Cameron McCarthy
of Christchurch and
Jackson Simpson
of Blackball for the
drawings they sent in.



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