

# The World of New Holland

**Autumn 2009 Edition**



**NEW HOLLAND**

AGRICULTURE

- **New BB9000 Large Square Baler Range Launched**
- **New Holland Wins Gold For Energy Independent Farm Concept**
- **Christmas Kids Colouring Competition Winners Announced**
- **T8000 Series 2009 Model Year Upgrades**



# BB9000 Series large square balers *produce denser bales*

New Holland's BB9000 Series large square balers produce consistent, dense, solid bales that stack well and withstand repeated handling. Overall bale density has been increased by up to five percent with product enhancements. Additional improvements include a new, narrow hitch for greater manoeuvrability, oil-immersed gearboxes and automatic greasing for reduced service requirements and improved durability.

#### **New model numbering:**

BB930A – BB9050

BB940A – BB9060

BB950A – BB9070

BB960A – BB9080

#### **Consistent, denser bales**

A number of design modifications have been made on the BB9000 Series balers to improve overall bale density, including larger bale density cylinders on the BB9080; a new door balancer; longer, lower bale chamber floor; and improved top-fill of the bale. With the new knotter design, there is virtually no strain on the twine and knotter components during bale formation, allowing for higher bale density. Updated density software provides smoother feeding and better density control.

**Bale Quality** – improvements have been made to the shuttle feeder mechanism on ALL models and types, that gives excellent fill improvements to the top and bale corners.

- The torque on the driveline is also reduced, resulting in less breakages of stuffer shearbolts
- The speed of the stuffer fork increases gradually, resulting in lower peak loads and improved crop flow
- Reinforced stuffer tube, stuffer slot

#### **Fully Informed: Bale moisture content**

Accurate information about the condition of the crop being baled prevents processing a crop which is not really ready. The displayed information provided by the moisture sensing system available as a dealer installed accessory, also allows precise application of additives. Because the two star wheels are penetrating the bale, they provide an extremely accurate measurement of the moisture content.

**New  
Release**



## Handy weighing on-the-go

A bale weighing system with an accuracy of +/- 2% that can easily handle different bale sizes in any kind of crop condition is available as a dealer installed accessory. It provides a quick and reliable recording of valuable information for the farmer as well as for the contractor.

## Ideal bale length consistency

Maximum bale length accuracy eliminates frustration in the haulage and stacking process and improves crop conservation. Fitted in addition to the mechanical bale length measuring system, the dealer installed electronic system uses the "average wad" information to trip the knotting cycle. The precision of the



system is guaranteed by the notched wheel that measures a precise movement of the bale in the bale case. Setting or changing the bale length is extremely simple and is controlled from the comfort of the tractor seat.

## Camera ready – IntelliView II™ only

- Configurable or dealer installed accessory
- Helps reversing
- See traffic behind on road
- Visual inspection of bales



## CropCutter® systems

Optional CropCutter® Packer Cutter and Rotor Cutter systems are available to produce silage bales. CropCutter® cuts the crop into small pieces that are packed tightly into each high-capacity, high-density bale. These bales are denser, easier to feed, and easier for livestock to eat and digest.

The "W" pattern rotor moves crop from the pickup and through a bank of knives into the pre-compression chamber. The cutting force is divided equally over both rotor halves to improve cutting efficiency and reduce power and fuel requirements.

Three CropCutter® configurations are available: six knives on the BB9060 Packer Cutter; 33 knives on the BB9060 Rotor Cutter; and 17 knives on the BB9080 Rotor Cutter.

**Contact your local New Holland dealer for a brochure today.**



# New Holland *does the lot* in mixed farming business

Southland mixed cropping operation Wilkins Farming is powered by a wide range of New Holland tractors and equipment. Wilkins Farming operates a large family farming business at Wendonside. The cropping operation produces cereals and grass seed. These crops are grown for sale to local merchants, mills or direct to farmers. The grain is sold whole or crushed.

The business has owned New Holland and Ford machinery for many years. During the past 18 months it has bought a range of New Holland machinery, including two combine harvesters, a CR980 and a CR960 from Southland Tractors. Both machines are fitted with 30-foot Honeybee draper fronts.

“These two are an upgrade to give us a bit of extra capacity to keep us on the front foot with replanting autumn crops,” says Michael Wilkins. The machines help ensure the produce, whether harvested through combines or balers, is ready to deliver to the market in a high-quality well-presented grade. “The technology on them is good. We’ve got yield records and paddock-by-paddock records and they can monitor and track everything.”

Wilkins Farming operations manager Michael Soper has driven a lot of headers over the years and he says the two New Holland machines are great to drive. “I operate the CR980. Both new combines make a good job of cleaning the seed. They’re easy to maintain and are simple to set up,” he says. “They have two rotors. There are only six or seven main belts that drive the whole thing, whereas other headers have a lot of moving parts. They have their own air compressor and they are great to service. The cabs have a lot of room and visibility.”

The CR980 has clocked up 1000 hours, and apart from one problem with a rotor belt hasn’t had any breakdowns. The harvesters are joined by a new BR750A round baler, and Michael Wilkins says it makes a very good straw and hay bale. “You get a really good finish with the net wrap going over the edge – it’s nice and tidy. It’s a variable chamber baler and you can go from a 4x4 to 5x4 bale or even a bit bigger.”

Michael Soper says the baler keeps up well with the headers. “It has got a good wide pick up and is really

good on the straw and hay. Because we’re harvesting at 30 foot it’s a pretty big row that comes out of the back of the header, but the baler picks it up well.”

Wilkins Farming has a large fleet of New Holland tractors and has purchased four new machines in the past 18 months. Its T8020 is a 250hp tractor with front dual wheels that tows a 6.0m Morris seed drill. The tractor does a bit of hill work and copes well breaking in hill country.

The farm’s new T7030 167hp tractor handles the baler well all summer, with good hydraulics and gear shift. Michael Soper says the Wilkins Farming’s new New Holland T6070 tractor has been fitted with skinny row-crop tyres. This 140hp machine tows a 24m Croplands sprayer and is used for spraying. “It seems to handle the work well. We have a front-end loader we put on that in the winter for feeding dairy cows,” he says. Wilkins Farming also owns a new 115hp T6030 tractor, which also has a front-end loader on it and is used on a dairy farm at Five Rivers.

“We do about 1500-2000 hours on each tractor a year, which is quite high. The baler does 10,000 to 12,000 bales a season and we normally replace it every three years,” Michael Soper says.

“I really enjoy driving the headers and balers, as well as the T8020 tractor. I haven’t had much to do with the smaller tractors but I believe they’re going well.”



Steve Wilkins with the CR980





**Into the Future!**

## **New Holland wins gold for energy independent farm concept**

New Holland's innovation and commitment to renewable energy was recently acknowledged at the SIMA Innovation Awards winning a Gold Medal for an impressively designed NH<sup>2</sup>™ hydrogen powered tractor.

The hydrogen-powered NH<sup>2</sup>™ tractor is a key element in New Holland's Energy Independent Farm concept, a project that hopes to free farmers from the cost of purchased fossil-fuel and allow them to achieve fuel autonomy. The concept is a natural fit with the brand's Clean Energy Leader position.

Based on the popular T6000, the experimental NH<sup>2</sup>™ tractor replaces the internal combustion engine with hydrogen fuel cells to generate electricity, which drives electric motors to power the tractor. More than just an idea, the NH<sup>2</sup>™ tractor is a 120hp working prototype able to perform all the tasks of a T6000, while operating virtually silently and emitting only water and vapour.

Hydrogen-powered vehicles have been in development for several years, offering many benefits over battery-driven vehicles, which are efficient only in a stop-and-start cycle and take a long time to recharge. The working cycle of agricultural vehicles is similar to a car running on the highway at a constant speed. Vehicles powered by hydrogen overcome these obstacles by using a compressed-hydrogen fuel to feed automotive fuel cells to generate electricity. Fuel cells have a long working life and avoid the environmental issues of disposing of batteries, which lose their accumulation capacity during their life. Energy-dense compressed hydrogen

*Above: New Holland's innovation and commitment to renewable energy was recently acknowledged at the SIMA Innovation Awards winning a Gold Medal for an impressively designed NH<sup>2</sup>™ hydrogen powered tractor.*

can be stored conveniently in a tank, allowing the energy to be stored for an extremely long period and the vehicle to be refuelled quickly.

Traditional barriers to the use of hydrogen centre on its distribution and availability. New Holland's Energy Independent Farm concept envisages customers producing their own compressed hydrogen from water, using a process called electrolysis or directly from methane by burning waste or biomasses. Production systems would be powered by wind farms or solar panels and the hydrogen would be stored at the farm in underground tanks, taking advantage of tractors' and combines' short working distance from the farm, when compared to cars or trucks.

Farmers are in a unique position to benefit from hydrogen technology. They have the space to install alternative electricity generation systems, such as solar, wind, biomass or waste plants, and then store that power as hydrogen. Apart from the environmental benefits, such a system would allow customers to become energy independent and improve their financial stability, as fuel costs form a significant proportion of their operating costs now and in the future.



### First New Zealand owner says *Bidirectional™* tractor ideal machine for dairy farms

Morrinsville dairy farmer Keith Holmes literally searched the globe for the right tractor before choosing New Holland's new TV6070 Bidirectional™ tractor. Keith runs a 260-hectare dairy farm that milks 900 cows. He also has a third share in Jackson Contracting Limited, along with Kevin Barr and Mark Jackson, who manages the day-to-day operation of the business.

When Keith needed two new tractors for his dairy farm, he decided to have a good look at what was available. "When it comes to feeding out supplement we're feeding out large quantities," he says. "Our tractor fleet had got to the stage where it needed upgrading and it was a good opportunity to look at the technology available to us.

"We looked at telehandlers and wheel loaders. Our requirement was that it had to handle a large front-end loader with big volumes of maize and grass silage. It had to be farm friendly and be able to go anywhere. It had to be nimble – as you get into the bigger tractors their turning circles get bigger and it makes it harder for loading and turning into gateways.

"We scoured the world in terms of what's out there and kept coming back to these Bidirectional™ tractors. Everything we saw about them convinced us that this was a very smart way of overcoming the problems that we had with big volumes of feed and cycle times in terms of loader wagons and feeding out." After travelling to America to see the tractors, Keith bought the first two Bidirectional™ machines in New Zealand last September from Chowns Ag Centre in Huntly.

New Holland's TV6070 Bidirectional™ tractor is an innovative product designed to offer visibility, versatility and exceptional loader performance. The tractor can be operated cab-end or engine-end first, with the exclusive Turnabout™ console able to rotate the seat and primary controls 180 degrees.

The TV6070 features a new 141hp 6.7-litre engine, a more efficient eight-range transmission and can be equipped with

three-point hitches at both ends. It can push and pull implements simultaneously, while the full-time four-wheel drive and 45-degree articulated steering provide excellent traction and manoeuvrability in any conditions.

Keith says he is completely impressed with the TV6070's ability to operate as both cultivation and loading machines. "They are easy to switch direction and have incredibly good visibility in them from both ways. They combine the best of the loader with the best of the tractor. Their loader and bucket capacity is twice that of a normal 150hp tractor," Keith says.

"Our guys were scared to drive them initially because it's a new way of driving. But once you overcome that they're very simple to drive. There's just one lever for speed and forward/reverse direction and the loader hydraulics are operated by your feet, which is "bobcat" technology.

"We were adamant they were by far the best machine we could find worldwide to do the job we wanted on a large dairy farm situation."



## New Holland tractors win the *Best of Specialized* and *Golden Tractor for Design* awards at EIMA International 2008

New Holland Agriculture made a very successful showing at the 2009 edition of the "Tractor of the Year" competition, the awards ceremony held in Bologna on 12th November to coincide with the EIMA International 2008 exhibition.

The jury, of 20 journalists each representing a European publication specialising in agricultural equipment, assigned two of the three prizes on offer to New Holland tractors. The new New Holland T4050F won the "Best of Specialized" category which rewards technological excellence and product innovation in specialist orchard and vineyard tractors. At the same time, the New Holland T6080 was joint winner of the "Golden Tractor for Design" prize, already won by New Holland at the previous edition of the awards with the T7060.

These awards are a further addition to New Holland's impressive haul at EIMA International 2008. The new TK4000 received the "2008 Technical Innovation" award for its patented silenced track system which drastically reduces noise and vibration levels, while the CR9090 Elevation, holder of the Guinness World Record for wheat harvesting, won the "EIMA Mention 2008" prize for its technological features intended to improve the quality of the harvested product.

The top of the range model in the new T4000 F/N/V Series of tractors for orchards, narrow orchards and vineyards, which received its premier at the EIMA, the 97 HP (71 kW) T4050F model is powered by the new NH NEF turbocharged 4,500 cm<sup>3</sup> 4-cylinder engine with intercooler and Tier III emissions.

Featuring the new "cat's eye" styling of the engine hood, the distinguishing feature of the New Holland family of tractors, the T4050F beat off the fierce competition thanks to an exceptionally complete set of innovative technical features, including:



- Increased power and max torque at lower rpm with similar fuel consumption
- Best in class 600-hour engine oil changes and 100% Bio Diesel approved
- More hydraulic power services providing up to 10 rear and four mid-mount couplings
- A New Low-profile cab with improved comfort seat, upgraded interiors, controls and instrumentation
- The new improved pressurised and air-conditioned "Blue Cab": 20% more fresh air through the anti-pollen and carbon filters for maximum operator safety in difficult operating conditions.





## **Contractor says New Holland combines *easy to use, easy to service, impossible to beat***

Will Mackenzie is an arable cropping contractor in Ashburton, with three New Holland combines. He has a CX880, a CX840 and new this season is a CR9080. "New Hollands are the best. The quality of the job they do is exceptional. They're so simple to use. All the crop settings are automatic. You type in what crop you're doing, and it will set itself up," Will says. "You don't have to change concaves or cleaning fans or put baffles in. All a driver has to do is sit there and keep an eye on things."

The quality of the cab is part of the attraction, he continues. "The cabs are mint to sit in and are fully climate-controlled. They have big seats with heaps of room. One guy who works for me is 1.90m and even he thinks it's all right in there."

Will and his father Ian run Mackenzie Contracting. Ian started it all. He has a 400 hectare arable farm and his neighbours asked him to do some of their work and it grew from there. That was six years ago. Now Ian sticks to the farm and Will runs the contracting business. They have three trucks and two trailers and they also use transport companies. The combines hold 10,500 litres and unload about every nine minutes from a fold-out auger into a truck moving alongside.

When the conditions are right the Mackenzies' three combines cover 100 hectares a day and they can't afford breakdowns. "Gluyas Motors in Ashburton gives unreal service. Their harvestman Dave is unbelievably knowledgeable. The other day a hydraulic motor under the grain bin blew out. Dave was there in 15 minutes."

The harvest starts off in December with autumn-sown brassicas, kale and turnips. In January it's full-on with wheat, barley and early grass seed. In February they harvest irrigated grain, grass seed and peas. March sees the end of the

grain, plus seed carrots for export, radish, late brassicas and Chinese kale.

Will changed from the CX range to the CR for several reasons. He says the CR is made to do grain which is what they wanted it for, though they have tried it on grass seed and peas and found it exceptionally good. The CR9080 is 450hp and has more capacity than the CXs, and it has a wider front at 9.0m compared to the CXs at 7.3m. That's important when they need to do a lot of work in a short space of time. The CR9080 is unbeatable on fuel usage. This year it did 12 to 13 litres per hectare, while the other ones were on 15 to 17.

All the combines have auto-contour fronts on them. This means that the cutting height is kept even. The combine can chop up straw at the same time, however, now that straw is so valuable they leave it in a row out the back to be baled.

The new CR9080 has a memory stick that can plug into the laptop. At the end of each paddock they can print out what's been done, with average yield and moisture. Within two years Will plans to make yield maps to show all that information in pictorial form.

The CR9080 has stone and metal detectors. As straw comes up the throat from the cutter bar into the combine, the detectors pick up any lumps. "It kicks the front out of gear and drops everything out through the seed house."

Will says his New Holland combines are not only easy to operate, they're easy to service. "They have air compressors and a 10m hose so you can blow them down between jobs to stop contamination between farms or crops. Everything is easy to get at. There's heaps of room in the engine bays and it's all lit up so it's clear as day even at night."

# Model year 2009 T8000 Series



T8000 Series tractors continue to be industry-leaders, with a number of upgrades for the 2009 Model Year designed to maximise fuel economy and increase your productivity.

## What's new for 2009?

New Holland's **Ground Speed Management (GSM)** maximises performance and helps you get the best performance from your T8000 Series tractor. By automatically gearing up and throttling back, GSM helps you lower your tractor's fuel consumption while maintaining productivity. It's easy to use, and really does make a difference in efficiency.

When GSM is engaged, the control system maintains the ground speed you choose by automatically selecting the appropriate gear while keeping the tractor RPM set to maximise fuel economy.

Here's how it works: you start your operation, set your speed using the gear and throttle to get the speed you want (for example 10 kph) then press the "GSM Field" side of the button and it will show your target speed of 10 kph. Then push the throttle all the way forward. The unit will shift and throttle automatically to maintain the pre-set 10 kph ground speed in the most efficient manner.

If you want to change the target speed, just turn off the GSM, set a new speed with gear and throttle position, then press and hold "GSM Field" side of button for four seconds. Push the throttle all the way forward and the new speed will be locked in.

When GSM is in the field position, it operates in first through 14th gear with a minimum engine speed of 1400 RPM with the PTO off. When the PTO is engaged, the minimum engine speed is 1600 RPM. The high and low ground speed limits for this mode of operation are 1st gear at the minimum allowable engine speed (approx 8 kph) and 14th gear at high idle (approx 23 kph).

When GSM is in the road position, it will operate in 1st through 13th gear, with the default gear being 7th. The maximum throttle speed corresponds to 18th or 19th gear at high idle (approx 40 kph or 50 kph), depending on the transmission type.

**Custom Headland Management** is now easier to use. When you are ready to begin recording your headland sequence, simply press and release the record side of the switch to activate the system. The system will now record up to 30 end-of-row processes including pauses. After you have completed all of your required functions, press the record side of the switch again to end recording. You are now ready to put your recording to work.

When you get to the end of your row and are ready to begin your headland sequence, simply depress the play side of your switch and your recording will take over the tractor and implement functions. You can use the step switch that is conveniently located on the right side control panel to pause before and after turns and to resume your playback.

## Model Year 2009 Upgrades

- IntelliSteer™ ready from the factory – the wiring harnesses, steering sensors, hoses, electronic valve, mounting brackets and hardware needed to utilise the IntelliSteer™ auto-steering system are now factory installed on T8020, T8030, T8040 and T8050.
- ISO 11783 capable – all models in the T8000 Series are ISO 11783 wired and are capable of controlling any implement that is also ISO 11783 compatible.
- New carbon cab air filter option helps reduce the ingestion of odour, fine dust and pollen particles into the cab. Available through your local New Holland dealer's parts department.
- New Class V FWD axle with a differential lock is now standard on the T8050. This Terralock™ axle has a staggering 5200kg static weight capacity, allowing weighting and ballasting of up to 61kg/hp and is compatible with the current 12-bolt front dual wheel spacers and wheels. You can achieve widths from 1500 – 225mm depending on the wheel spacer configuration you choose.
- In place of the Iskra 150-amp alternator, New Holland is now offering the higher capacity Bosch 160-amp unit standard on all T8000's. The Bosch 200-amp alternator replaces the Iskra 175-amp unit as the optional heavy-duty model.
- The hitch capacities have been increased with the introduction of a new Cat IVN/III hitch coupler. This is a standard feature of the T8050. With the addition of the larger hitch coupler, the capacity is 8600kg, 275kg more than any John Deere 8030 Series tractor can handle. The 4.5" rear axle is required with this option.

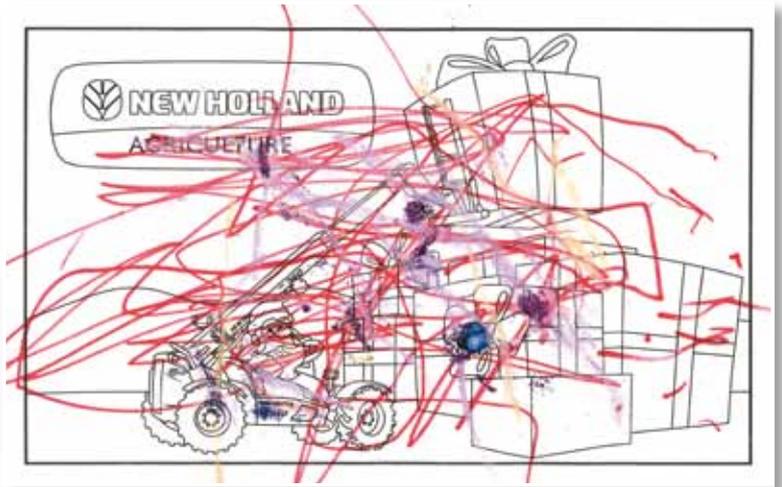
# Christmas Colouring- In Competition

Once again the standard of the entries we received was extremely high and the ages were varied.

Winners of each age group are shown below:

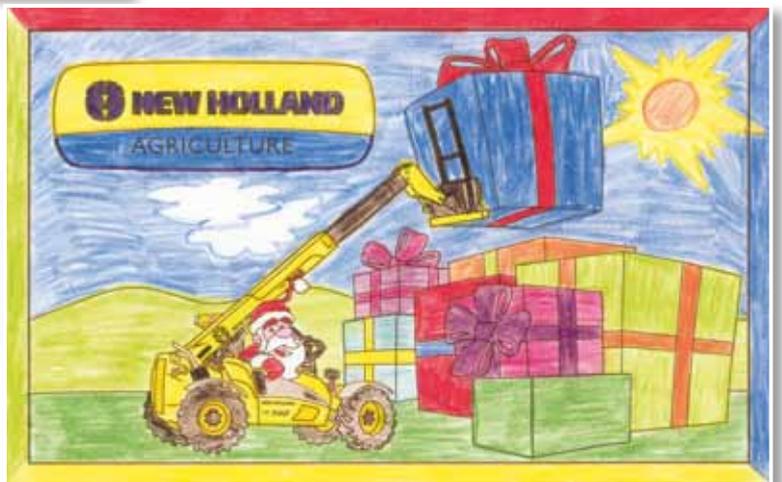
## 5 Years and Under Winner

Etham McCreehy aged 2 of Morrinsville



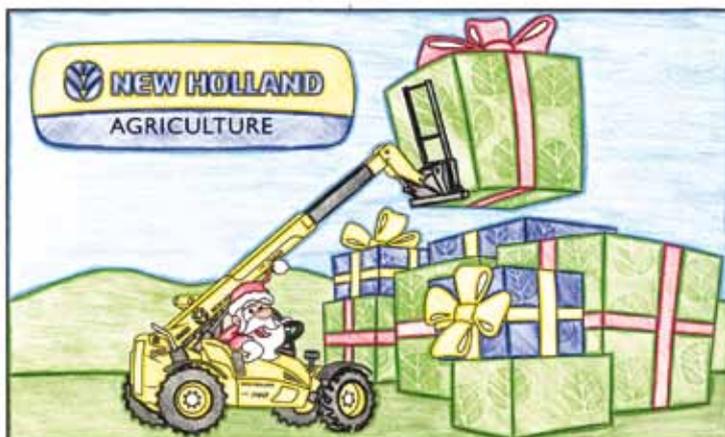
## 6 to 8 Years Winner

Arthur Russell aged 7 of Hastings



## 9 to 11 Years Winner

Olivia Ward aged 9 of Temuka



## 12 to 15 Years Winner

William Geuze of Gisborne

Special mention also goes to our youngest competitor, one year old **Jennifer Taunt** of Stratford and to 13 year old **Brenna Dunlop** of Gore for her artistic use of ribbon.

## FEEDBACK



**Hamish Crossan** (22 months) is absolutely tractor mad (blue ones of course). Hamish got his tractor for Christmas and Norwood Farm Machinery Centre in Mosgiel very nicely threw in a new T6050 for dad Gavin. Gavin made Hamish the hay feeder and he has tow behind roller as well. Hamish spends as much time as he can in the big tractor with Grandad James.



Thank you to **Nicholas O'Connor** of Westport who sent us this awesome drawing with a thank you note for the New Holland Moneybox he received for being one of the first 100 entries in the Christmas Kids Colouring Competition.

YOUR SUCCESS - OUR SPECIALITY

# PROTECT YOUR INVESTMENT

## Insist on genuine New Holland parts



### Depend on Original New Holland parts for:

- true O.E.M. performance
  - maximum productivity
  - perfect fit
  - 12 month warranty\*
  - peace of mind
  - competitive prices
  - minimal downtime
- \* conditions apply

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drop  
us  
a  
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### 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 comments to: New Holland Club  
C B Norwood Distributors Ltd, Freepost 255  
P O Box 1265, Palmerston North

or send them by email to: [newhollandclub@newholland.co.nz](mailto:newhollandclub@newholland.co.nz)

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