



AGQUIP REVIEW

Did you miss Agquip or not find the time to see all that was on display? It was great to catch up with many of our existing customers and meet new ones, to talk about new products and discuss what the coming season is going to be like for all.

Over Agquip we received good enquiry for Haymaking equipment - Large Square Balers, Small Square Balers, Round Balers and Mower Conditioners. Despite two wet seasons and less hay being sold, there is still confidence from Hay producers and this was evident at the Field Days. Purchases of new equipment may have been deferred during the last two years and it would appear that now is a good time to update equipment.

On display at the New Holland site was a full range of tractors, combine harvesters and haymaking equipment including the **NEW HOLLAND 1290 BIG SQUARE BALER** due for release in late 2013. The newly arrived New Holland 1290 baler is touring field days throughout the country. It combines higher speed, higher throughput with increased plunger strokes per minute, higher quality and higher profits. Throughput and density are key in the big baler segment. That is why the new Big Baler is in prime position with up to a 20% capacity increase and up to 5% density improvement. With models covering 80 x 90 and 120 x 90 bale sizes, coupled with unsurpassed performance, owners will be sure that the new Big Baler meets their requirements.

The **NEW HOLLAND Swivel Hitch DISCBINE MOWER CONDITIONER** was popular and our Hay Technician Merv Leard spent a good part of the three days talking to customers and explaining the features of the machine. Features such as the exceptional manoeuvrability, precise cutting and tight-turning capabilities made possible by a unique bent tongue design swivel hitch. New Holland's new H7230 and H7330 Discbine disc mower-conditioners offer the convenience and performance of a swivel hitch with a two-point linkage hitch. The unique bent-tongue design features a constant-velocity joint driveline for on-the-go hydraulic swing for precise movement allowing the operator to mow at almost any angle and make square and over-square corners without vibration or noise, and can be swung on-the-go to cut around field obstacles.

New Holland teamed with **Howard Australia** to run some demonstrations for customers at the Field Days. Michael Moore (New Holland Product Performance Manager) and Rhys McGrath (Howard Australia Area Manager NSW) had a number of interested people take advantage of the opportunity to drive the New Holland T7.260 tractor fitted with the latest in New Holland GPS Technology and see how the tractor worked with the Howard CH2000 Rotavator.

If you missed us at Agquip, call into Tamworth, Gunnedah or Armidale Branches to discuss your machinery requirements.



NEW TRACTOR AND SPEED TILLER FOR CHRIS BURGESS

Chris Burgess is pictured with his new New Holland T7.185 tractor and L4200 front end loader. Chris was impressed with the New Holland's SCR [Adblue] engine's ability to perform without emissions restrictions, delivering best possible fuel economy, performance and quiet operation. Chris will use the tractor and loader combination on his "Gibraltar" property near Gunnedah.



A new K-Line 3.5 metre trailing Speed Tiller fitted with a KV Agriculture Electric Air Seeder will be utilised by Chris Burgess in his pasture improvement and seeding operations at "Gibraltar". The K-Line Speed Tiller is capable of both minimum and total tillage at reasonable speeds to ensure the job gets done efficiently, whether planting or cultivating. Chris is pictured (left) at the delivery of the K-Line Speed Tiller.





Challenge Implements to make farm life easier



3pl Linkage Grader— 2 of these blades were sold from Agquip into the Walcha area. The blades are full Hydraulic Angle, Tilt and Offset. This makes it ideal for road and drain-forming, reshaping and maintenance. The blade can also be reversed to push as well. The CG Series of blades is

very well built for hard work and long life.

The Challenge Single tyne ripper is a robust general use ripper for laying poly pipe, ripping tree lines, cutting stump roots for easier removal of stumps and many other uses. With a 50mm shank and replaceable point this is an implement for many years of use.



Make your Round Silage bale handling easy with this high quality grab from Challenge, soft on the bales, the large cradle like action reduces the risk of wrap damage, using the crowd control on your loader allows bales to be placed on their side as well for storage.



Contact Goodwin Kenny for more information or view details at the Challenge Website
www.cih.com.au

Dakenag

The Daken Equipment Range has seen an impressive improvement in their standard of machine presentation by offering all equipment possible in the range being Hot Dip Galvanised. From Slashers, Finishing Mowers through to Post Hole Diggers. A well built Post Hole Digger with Gal frame, at a very reasonable price, suits all 50 mm socket augers. The Daken augers feature standard Pengo style replaceable cutting teeth.



PHD with 12" Auger - Price \$2,420.00 including GST
(2 units in stock in Tamworth with 75Hp Gearboxes and safety clutch)



Tractors In Stock NOW

Call in to test drive the New Holland Boomer 1025, T1510 and T1530. 25Hp, 31Hp and 45 Hp.

All fitted with 4in1 Challenge Implements Front End Loaders, Roof Canopies, choice of Ag or Turf tyres, choice of Gear drive or Hydrostat transmissions.

High quality compact tractors with the back up of a Australia wide dealership network for service and spare parts. These are ideal tractors for small area hobby farmers, horse studs, suitable for general tidying up around the farm, landscaping etc. A wide range of implements are available to suit. Package deals with suitable implements may be the way to gear up ready for the Spring / Summer season.

Do you know someone else who might need a compact tractor? Pass this along to them.

We will give a \$100 Fuel Voucher to you if your referred friend purchases a tractor before 30th October 2012.



New Holland Rolabar Hay Rakes

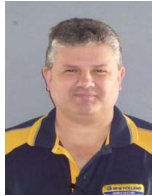
With the hay season about to begin, we would like to remind the "purists" that New Holland Rolabar Hay Rakes are still available. There are currently 3 x New Holland 258 Rolabar rakes available in Australia. The 258 has a raking width of 2.89m (9'6") and left hand delivery. All of the other rakes the 256, 260 and the Unitized 216 are available as a Forward Order from the US with a 4-6 month lead time. If you would like more information or pricing, please call either branch for details. Be quick if you would like one of the 258's for the start of this season.

Call Tony Housden at Tamworth 67655244
Glenn Furner at Gunnedah 67425777



SPARE PARTS

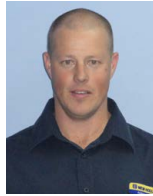
TAMWORTH - 6765 5244



David Hartmann



Peter Mackay



Colin Daye

GUNNEDAH - 6742 5777

ARMIDALE - 6772 8124



Mark Kenny



Ken Mack



Keith McPhie



TOY OF THE MONTH

New Holland
FR9090 Forage
Harvester

Scale: 1/32

P/N: ERT13730DS

\$71.61 Inc GST



SPECIALS IN THE TAMWORTH "BARGAIN BIN"

You never know what you might find!!



Check Out These Great Deals

Rain Monitor P/N: 118-466 \$93.50

Shovel P/N: S5095 \$5.50

Light P/N: FLS1 \$60.50



Your portable sprayer for home, garden or farm.

15 LITRE CHAPIN BACKPACK SPRAYER



- ◆ 4 pressure settings from 15-60psi
- ◆ Spray handle with continuous spray
- ◆ Viton seal equipped for long life
- ◆ Supplied with 3 different nozzles: adjustable brass, adjustable plastic and flat fan plastic for various spray jobs.

P/N: CP-618000 \$154.00 Inc GST

TROLLEY SPRAYER 20 LITRE 12 VOLT

- ◆ Compact 20 litre UV stabilised tank with screw down spill-proof lid
- ◆ 12 volt Shurflo pump, 3.8 L/min open flow @ 40psi
- ◆ On/Off switch and fuse
- ◆ Easy push trolley with 6 metres of quality 8mm delivery hose
- ◆ Rechargeable battery and 240v charger supplied with unit
- ◆ Spotjet Spray gun with 600mm stainless steel lance & comfortable hand piece with lockable trigger.



P/N: SP20-SLVTR2 \$780.00 Inc GST

25 LITRE TROLLEYPAK 12 VOLT

- ◆ 25 litre UV stabilised tank calibrated at 5L intervals
- ◆ Telescopic multi-positional handle
- ◆ Large screw down lid for easy filling and cleaning
- ◆ Stainless steel in-line filter
- ◆ 6 metres of quality 8mm delivery hose
- ◆ Shurflo 6.8L/min open flow pump @ 60 psi
- ◆ Battery & battery charger included

P/N: TR25-P \$1,499.00 Inc GST

**Optional Spray lance (pictured)

P/N: 410-46 \$77.00 Inc GST Other options available.



Spring has Sprung - Time To Get Your Sprayers Out

Efficient filtration is an important component of every sprayer. Effective filtration will prevent blocked nozzles, reduce or inhibit pump wear and help reduce down time and expense due to repairs. Selecta offers a choice of foot, suction, pressure line, nozzle and high volume irrigation filters to suit most applications.



We are also the authorised
dealers for:



Don't forget that our Tamworth & Gunnedah stores are open Saturday mornings from 9am to 12pm.

MONTHLY WINNERS

Congratulations to our New Holland Cap Winners:

PBD & EL Walker - Merriwa, RWO & BJ Smart - Tamworth, D & A Mitchell - Uralla

*This month we have 3 NEW HOLLAND **PINK** Caps to give away - simply return your payment by Tuesday 25th September 2012, to go in the draw.*



We would also remind customers that we accept Visa & MasterCard over the phone and Debit cards may be used at all our Branches.

All payments by these methods are included in the monthly draw.

Electronic/Internet Payments on the last day of the month cannot be allocated until the next day - it would assist us greatly if payments could be made prior to the last day of the month to allow receipting and allocation to accounts prior to Month End.....thank you.

For customers that use Internet Banking, our bank account details are:

Commonwealth Bank

BSB: 062 602

Account Number : 00 272 029

Please use your account number, name or invoice number as a reference.

Only a Farm Kid...

When you're from the country, your perception is a little bit different.

A farmer drove to a neighbour's farmhouse and knocked at the door. A boy, about 9, opened the door. "Is your dad or mum home?" said the farmer. "No, they went to town."

"How about your brother, Howard? Is he here?"

"No, he went with Mum and Dad." The farmer stood there for a few minutes, shifting from one foot to the other, and mumbling to himself.

"I know where all the tools are, if you want to borrow one, or I can give Dad a message."

"Well," said the farmer uncomfortably, "I really wanted to talk to your Dad. It's about your brother Howard getting my daughter Suzy pregnant".

The boy thought for a moment... "You would have to talk to Dad about that. I know he charges \$500 for the bull and \$50 for the pig, but I don't know how much he charges for Howard."

Chloe and Levi

Michael and Shelly Chester of Barraba are delighted to announce the engagement of their beautiful daughter Chloe Anne to Levi, son of Neil and Jennie Alley of Niangala.

Chloe & Levi are planning a September wedding in 2013.

***Congratulations from all at
Goodwin Kenny***

Pride of Workmanship Awards - The Combined Rotary Clubs of Tamworth run the Pride Of Workmanship Awards and encourage employers to nominate staff members who do a great job and acknowledge their efforts. This year Goodwin Kenny nominated two of our staff members. **Merv Leard**, who has been with Goodwin Kenny for 16 years, was nominated in recognition of his tireless efforts to ensure that our customers receive the best possible service. Merv has a well deserved reputation for his ability to service and repair haymaking equipment whether it is 30 years old or the latest technology. I referred to him as the "Horse Whisperer" of balers and haymaking equipment. (Look at the photo - you will hardly recognise Merv in a suit. After the Awards Richard Chaffey from Attunga commented to me that it was a great night made even better by seeing Merv all dressed up).

Jamie Rutter was employed in 2006 after completing her TAFE studies in Business Administration. Jamie is always helpful to all the staff and our customers.

She carries out all her duties in a happy manner, has broadened her skill base and willingly takes on new roles and responsibilities. Tony says she is the World's Best PA (Personal Assistant). I would just like to thank the combined Rotary Clubs, and in particular, Tamworth Sunrise, for giving our company the opportunity to publicly recognise the efforts of our employees. Often, if people do a good job it goes unrecognised as it becomes the accepted behaviour for those individuals, so I was very pleased to be able to acknowledge Merv and Jamie's contribution to our company.



Jamie, Merv, Susan

CBA Women Empowered Morning Tea - about eight weeks ago I had a call from our friendly Bank Manager, Richard French, calling to tell me about an event the bank was planning for Agquip 2012, something a little different for the ladies that attend Agquip - a Morning Tea, my response was "that sounds like a great idea - we all love a cup of tea and a chat". Richard then said that there would be some Guest Speakers, and again I said that sounds great, I always like to hear what other people are doing in their line of work. Richard then asked if I would like to be one of those Guest Speakers, and I must say I was very flattered and while the blood was still running to my brain I said "yes". The other Guest Speaker was Shivani Gupta, of Passionate People Institute. Shivani provided some wonderful insights and gave all the ladies in attendance something to think about in getting the most out of their lives, especially if they calculate the number of hours they have left to do all the things they want to do. Shivani has published a number of books and if you are interested you can read a free chapter at the link:

<http://www.passionatepeopleinstitute.com/special/Book-Chapter-Giveaway.aspx>
The Morning Tea was beautifully set up for the ladies and Sarah Bassett and the Team at the Commonwealth Bank did a great job.

The Commonwealth Bank also have a website for women: www.womeninfoocus.com.au

Susan Goodwin....



Kitty Humble, Shivani Gupta, Sarah Bassett, Susan Goodwin, Kerry Kotzur

PRACTICAL TIPS FOR SPRAYING FACT SHEET

NORTHERN, SOUTHERN AND WESTERN REGIONS PRACTICAL TIPS TO REDUCE SPRAY DRIFT

KEY POINTS

- Make the most of favourable weather conditions, especially wind speed.
- Use the coarsest spray quality that will provide efficacy.
- Maintain boom height to achieve double overlap, but no higher.
- Try to minimise your travel speed.
- Utilise unsprayed areas and downwind vegetative buffers.

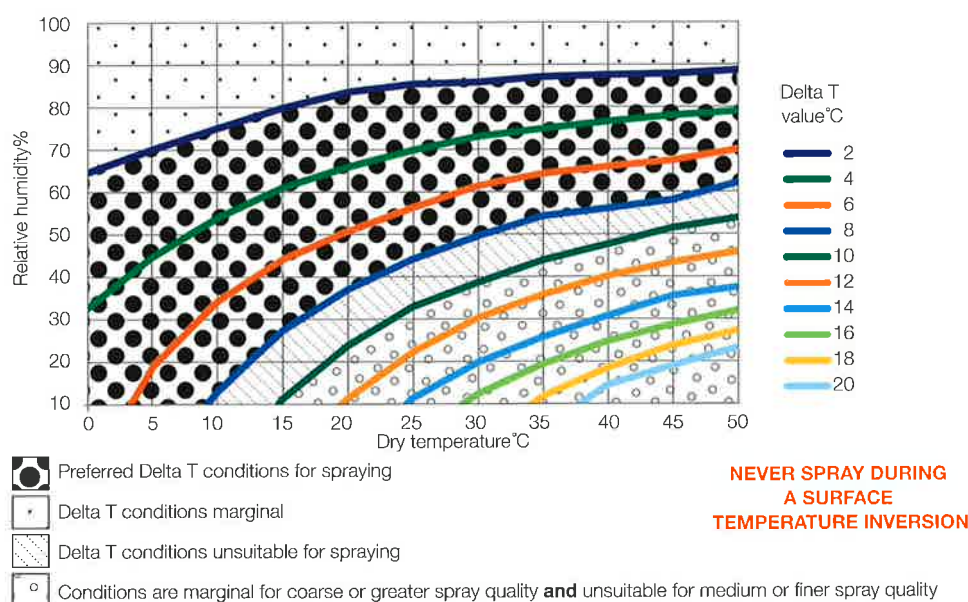


Figure 1 Selecting the correct Delta T conditions for spraying

Spray during favourable weather conditions

Wind speed is critical

Air movement is needed to ensure that mixing occurs in the air. This helps to deposit airborne droplets. Mixing of the air happens when air movement is more turbulent, especially while the sun is heating the ground.

Day-time spraying – once the sun is up – when the wind speed is consistently above 4 to 5 kilometres per hour is usually safer than night-time spraying – between sunset and sunrise.

It has been suggested that night-time wind speeds should be above 11 km/h to ensure some mixing occurs and to minimise the likelihood of a surface temperature inversion.

Wind speeds should be below 15 to 20 km/h as measured at the site of application, depending on the label instructions.

Temperature and humidity (Delta T)

Delta T values indicate evaporative potential. High values can reduce droplet survival in the air and at the target.

Airborne droplets will rapidly decrease in size when the delta T value of the air exceeds 8 to 10.

When using a coarse spray quality or larger, also check the Delta T value at the target and avoid values above 10 to 12.

Low Delta T values (below 2) encourage droplet survival, which can increase the risk of spray drift.

Using the coarsest droplets that will provide efficacy will reduce the airborne fraction and increase droplet survival times.

Spray quality

Spray quality is a useful guide for determining the amount of chemical that

could remain in the air after the spray has been released from the nozzle.

Coarser spray qualities reduce risk by reducing the airborne fraction.

Each time spray quality is changed to a larger classification (for example from medium to coarse), the amount of spray that exists as droplets capable of moving off target is halved.

Table 1 Fine spray deposition

Spray Quality	The percentage of the spray output below 200 microns *
Fine (F)	40 to 50 per cent
Medium (M)	Less than 20 per cent
Coarse (C)	Less than 10 per cent
Very coarse (VC)	Less than 5 per cent
Extremely coarse (XC)	Less than 2 to 3 per cent

* According to ASABE standards.



Increasing boom height increases drift risk.

Boom height and speed

Nozzle height

Nozzle height should not be more than that required for double overlap at the top of the stubble or crop/weeds canopy (whichever is taller).

Consider using auto-height control, suitable touch-down wheels, or lower travel speeds to improve boom stability and to assist with minimising boom height.

Increasing height from 50 centimetres above the target to 70cm can increase the amount of chemical left in the air by up to 4 times.

Increasing height from 50cm to 1 metre can increase the airborne fraction by up to 10 times.

Travel speed

Increasing travel speeds will increase the amount of chemical left in the air. This can be due to detrainment at the nozzle (escape of small droplets from the pattern) or aerodynamic effects around the sprayer itself.

Increased travel speeds interact with increased wind speeds.

A Canadian study, conducted by Dr Thomas Wolf of the Saskatoon Research Centre, showed that high travel speeds combined with higher wind speeds

(20km/h) almost doubled the amount of chemical left in the air when compared to low travel speeds (8km/h).

In the same study, when the wind speed was around 7 to 8km/h (under day-time conditions), the drift potential was similar at high or low travel speeds.

Other studies have shown that at night the airborne fraction can be up to 5 times greater than that occurring during the day at similar wind speeds.

As a guide it is suggested applicators avoid travel speeds above 16 to 18km/h unless there is excellent boom height control and equipment is set up to minimise airborne droplets (that is, coarse spray quality or larger).

Vegetative and unsprayed buffers

Leaving an unsprayed, downwind buffer between the treated area and sensitive areas can reduce the risk of damage from direct droplet deposit and may be a requirement on some labels.

Porous vegetative buffers, such as *Casuarina* species, that are more than 1.5 times the release height can further reduce that risk, when the air flow is turbulent. However, under surface temperature inversion conditions vegetation may simply divert airborne droplets, rather than filtering them out.

FREQUENTLY ASKED QUESTIONS

When is the best time to spray?

Usually during daylight hours, when the wind speed is consistently above 4 to 5km/h, predictable in direction, and is less than the permissible wind speed on the product label.

Delta T value should be above 2 and the target plants or weeds not stressed.

If considering spraying at night, be aware many product labels state: "DO NOT spray under surface temperature inversion conditions", which have been shown to occur most nights.

MORE INFORMATION

Surface temperature inversions and spraying Fact Sheet

Spraying Fact Sheets

Ground Cover Direct, www.grdc.com.au/director/events/bookshop, 1800 110 044, ground-cover-direct@canprint.com.au

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