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Events

SEFD and
Farm World



INSIDE

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Tuskan bale clamp

Sure footed

Bobcat compact tractors

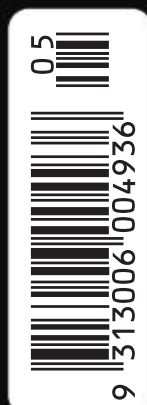
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farms & farm machinery

Issue 410

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is published by Prime Creative Media
11-15 Buckhurst Street,
South Melbourne VIC 3205
Telephone: (+61) 03 9690 8766
Website: www.primcreative.com.au

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News

DEALER

Case IH dealer O'Connors grows to 15 dealerships in latest expansion of its network

Wider reach

O'Connors, the largest Case IH dealer in Australia and New Zealand, has announced the acquisition of three more Case IH dealerships.

The full Sunrise Ag dealerships in Swan Hill and Ouyen and the Case IH broadacre component of the Mildura outlet have been purchased by O'Connors, taking the company from 12 to 15 locations and expanding its reach into north-west Victoria. The deal is expected to be finalised in early May.

O'Connors chief executive officer Gareth Webb says the Sunrise Ag dealerships were a good fit for the business and the expansion helped reinforce the strength of the O'Connors network.

"The Sunrise Ag location at Ouyen represents a strong broadacre farming area where we have considerable knowledge and experience, while Mildura and Swan Hill have more agricultural diversity where we can work to expand the reach of Case IH smaller horsepower machinery," he explains.

"That diversity is exciting for us and we see a lot of opportunities across the three locations. We have 58 years of experience in the agricultural machinery industry, representing the Case IH brand, and building a reputation for outstanding service, and second-to-none knowledge of the industry and commitment to our customers.



(L-R) Sunrise Ag owners Steve and Luke Ayling, and O'Connors CEO Gareth Webb

"With each expansion of our business comes new opportunities and fresh challenges that our staff thrive on and from which our network can increase its buying power and build our parts and service departments. We're looking forward to bringing these benefits to our new customers and ensuring uninterrupted support throughout the transition process."

This most recent expansion extends O'Connors' footprint from Ballarat in southern Victoria, north to Condobolin in the NSW's Central West, and east to Corowa and Shepparton, linking up the dealership network. It follows last year's acquisition of former Agrimac dealerships in Ballarat and St Arnaud.

Pete McCann, general manager for Case IH Australia and New Zealand, welcomes the news and says it helps secure the Case IH brand in an important agricultural area.

"Customers in this region have been well-served by Sunrise Ag and we know this will continue under O'Connors' ownership. They have always demonstrated outstanding customer service, and a commitment to staff expertise and after-sales support, building a network of thriving dealerships that serve the needs of their customers and get the best from their staff," he says.

"It also helps ensure the ongoing strength and long-term viability of Case IH in Australia and New Zealand, which is important for not only the brand, but all the branches that comprise our extensive network." **ffm**



BEEF

Farm to lab

A producer of cell-cultured collagen has announced an expansion of its product line

Israeli food production company Aleph Farms, the first business to grow cultivated beef steaks, has announced it is expanding its product line to include a unique platform for cell-cultured collagen production.

The company says its strategy is to develop an alternative to intensive animal farming that will supplement sustainable, but less productive, livestock agriculture practices.

"The cellular agriculture industry has made greater promises to replace a large part of intensive animal farming practices, which make up to 70 per cent of the global meat production," Aleph Farms co-founder and CEO Didier Toubia says.

"Cultivated meat, however, is only part of that solution as meat represents just 30-35 per cent of the cow that is slaughtered. The rest include many other valuable by-products. To achieve our vision, we need to provide alternatives to the other animal parts as well, including collagen-based products.

"Focusing on single categories of animal products does not account for the complexity of the animal agriculture ecosystem. The protein transition should

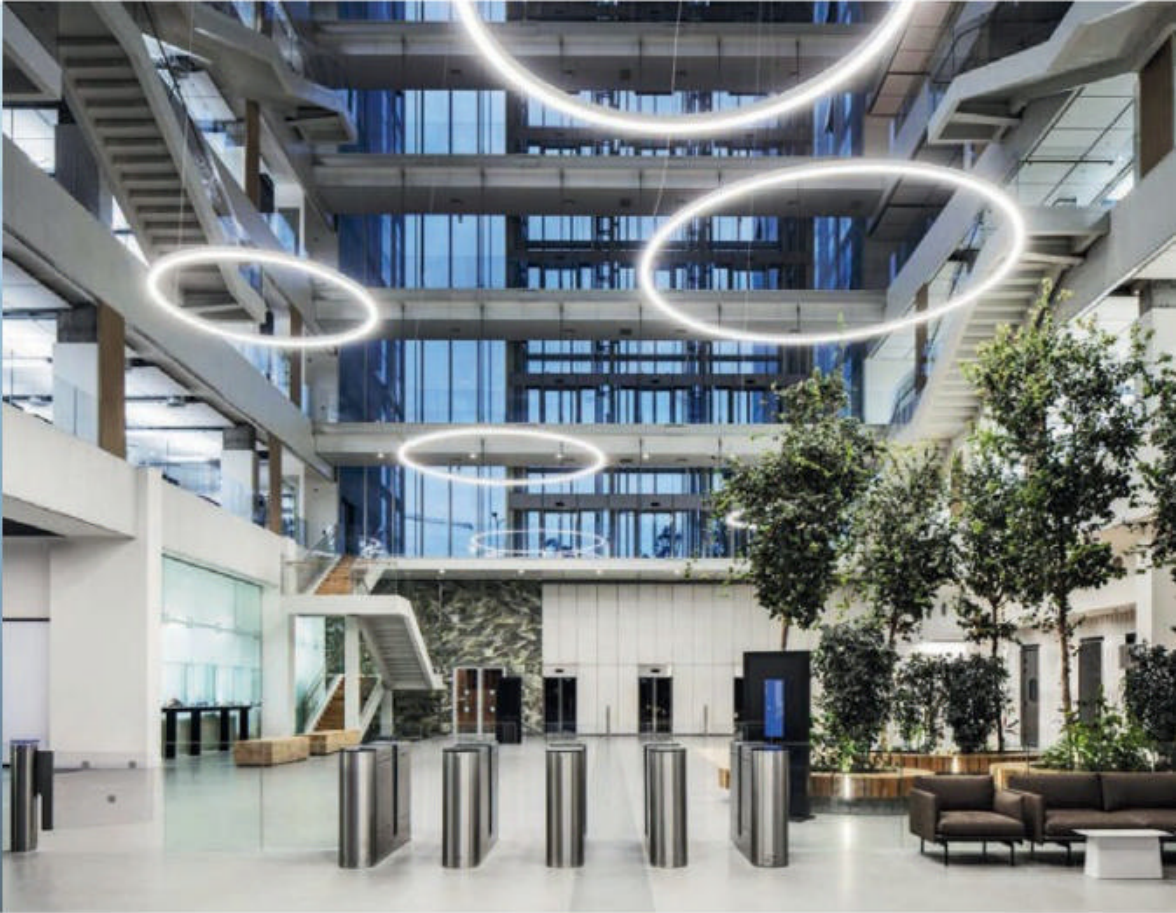
rely on a systems-based approach to successfully contribute to a comprehensive, just and inclusive transition for animal agriculture."

Aleph Farms' cultivated collagen has the attributes of natural animal-based collagen that are not found in plant or fermented recombinant-based alternatives, it says. Aleph's collagen is now moving to full product development stage and should launch in 2024.

"We are leveraging key components from our production method for steaks - including our bovine cell sources and animal component-free growth medium - to produce several nature-identical collagen types directly from cow cells, as well as the entire extracellular matrix [ECM], which comprises a variety of fibre-forming proteins and represents the complete matrix of skin, bones and joints," CTO and VP of R&D at Aleph Farms Dr Neta Lavon says.

"Collagen is the most abundant protein in the ECM and is well recognised for its benefits."

This announcement follows the company's expansion to its new cultured-beef steaks pilot production plant. **ffm**



(Above left) Aleph Farms creates beef steaks from lab-grown collagen. (Above) Aleph Farms' new facility



(Left) Didier Toubia, Aleph Farms co-founder and CEO. (Right) Dr Neta Lavon, Aleph Farms CTO and VP of R&D



BALER

Top notch

New Holland Pro-Belt round baler

Manufacturing giant New Holland has launched its latest product, the Pro-Belt round baler

An extension of New Holland's variable chamber round baler offering, this premium round baler is a versatile, high-performance and durable machine that delivers excellent bale shape in all crops and conditions, the company says.

Production has commenced and a limited number of units are expected to be available to the Australian market for the 2022 hay season.

New Holland product segment manager for fodder conservation Sune Nielsen says the Pro-Belt baler has been built from the ground up with a completely new bale formation design.

"Reliability and durability were at the top of the list for the Pro-Belt's engineering scope of development, adding to New Holland's already strong position in the hay industry," he says.

"The variable chamber will be available in a 165cm and 190cm maximum bale size configurations, both in a rotor feeder version and 25-knife rotor cutter version.

"The baler will come standard with auto greaser, moisture meter and service lights, and is IntelliBale compatible. The Pro-Belt is simple in design with durability as a key element, running less chains and rollers than the current roll-belt.

"Larger rollers, bearing and sprockets with diamond chain

throughout mean this baler is highly dependable for high annual use in all crop conditions."

New Holland says the aim was to create a versatile, reliable and durable machine that would also enhance productivity and improve bale density.

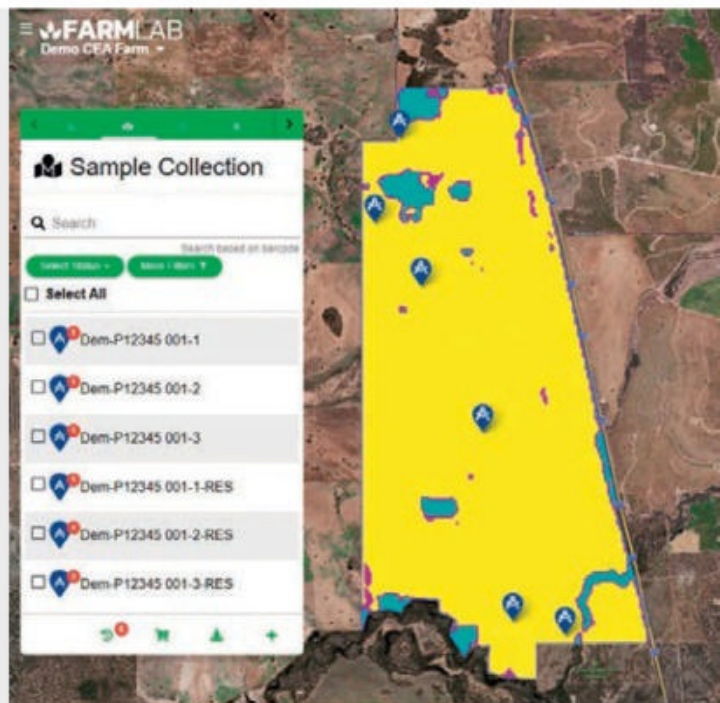
Australian farmers were involved in global test drives, which produced 150,000 bales, with feedback used in the Pro-Belt's final design.

The heavy-duty rotor has a 520mm diameter and, in combination with the active drop floor, provides constant feedback to the operator, enabling them to maximise productivity with high throughput and non-stop feeding.

It performs equally well in silage and dry straw, producing consistently high bale density and perfectly formed, firm bales for easy handling and stacking.

It features a split gearbox for high mechanical efficiency and robustness and a streamlined design with fewer, stronger components and moving parts.

With a capacity up to 30 tonnes per hour and 140kg per cubic metre in straw, the Pro-Belt has been designed to enable customers to bale their crop faster, finishing their field in less time with fewer bales. **fm**



FarmLab allows farmers to gather data and map their land for a variety of applications

farms that implement VRM Biologik's soil enhancing programs and relay this information on an app for farmers to easily analyse.

The technology integrates with soil testing laboratories to streamline environmental testing and reduce the cost of sample collection, as well as supporting the processing and modelling of environmental data such as soil carbon, water content, nutrient availability and cover crop quality.

"We hope the partnership will support rural US businesses to take advantage of the growing carbon offset markets and regenerative movement, giving local farmers and service providers the technology and support to measure and improve soil," FarmLab CEO Sam Duncan says. **fm**

REGENERATION

American Dream

Australian soil regeneration company forms partnership with US data group

Biotech company VRM Biologik has teamed up agronomy and farm data group FarmLab to expand VRM Biologik's reach to the US.

The companies will map the processes of farmland restoration.

FarmLab allows farmers to isolate specific areas on their land to gather accurate data and measure the impacts of enhanced soil quality, improved biodiversity and changes in flora and fauna against the backdrop of a wider area.

VRM Biologik says its technology for improving carbon sequestration and soil moisture is a world-first. This technology gives farmers the ability to grow in dry periods, without chemical inputs, and supports farmers in regenerating their soil.

Pilots will begin in Colorado, which has 31.8 million acres (12.9 million hectares) of farmland. The technology will allow farmers to accurately collate data over very large areas.

"We are thrilled to join forces with FarmLab, and eagerly anticipate the outcomes of this partnership in our introductory period in Colorado," VRM Biologik CEO Kellie Walters says.

"Our solutions for soil health, partnered with FarmLab's data-tracking abilities will shape a new, aligned approach to understanding the benefits of regenerative farming practices globally."

FarmLab will act as an aggregator to compile data from



Upgrades to the Mitsubishi Triton ute range will roll-out mid-year

UTE

Wired for sound

Mitsubishi has increased the prices of its Triton ute range, for models to be introduced mid-year, following upgrades to its communications and entertainment suites

The price increases come as Mitsubishi rolls out upgrades to the range, with the first of the new units expected to be delivered mid-year.

The 22.5 model year updates will apply to diesel cab-chassis, GLX and GSR pick-ups built from April, though the model line-up itself remains unchanged.

The top of the range Mitsubishi Triton GSR dual-cab pick-up, which will increase in price from \$53,240 to \$55,690, will get a new high-end Smartphone link display audio system, complete with a 7-inch (18cm) touchscreen, six speakers, digital radio and Bluetooth connectivity.

This high-end system also features the Multi Around Monitor, which provides a 360-degree bird's eye view of the vehicle to assist manoeuvring, and a HDMI port for additional connectivity.

The Triton diesel cab-chassis and GLX pick-up models, which will increase in price by \$1,000, will also benefit from the 7-inch MiDisplay infotainment system, which offers four speakers and a touchscreen with both Apple and Android smartphone connectivity.

Digital radio and Bluetooth connectivity and audio streaming are also included, as well as a 3-in-1 USB to Lightning Type C & Micro USB cable.

The entry-level, petrol-powered GLX cab chassis 4x2 manual retains its 6.1-inch (15.5cm) touchscreen Display Audio unit with CD player and two speakers.

Mitsubishi will also offer "interior option packs" for its GLS dual-cab and Triton GSR utes, with the GLS Deluxe package offering a leather appointed seat trim, heated front seats powered driver's seat adjustment and a multi-around monitoring system.

The Triton GSR with the tan orange interior option sees tan orange leather highlights added to the black leather appointed seats, console box and knee pad, with black leather appointed door trims and steering wheel - both with tan orange stitching.

Functional and comfortable fabric seats, finished in black/grey, are standard on Triton GLX, GLX+ and GLX-R models.

The GLS grade has a unique black/silver sports fabric trim, while GLS Deluxe and GSR models gain black leather appointed trim with contrasting silver stitching.

An optional roll top tonneau pack is also available for Triton GSRs, complete with a sports bar adaptor kit and an under-rail tub liner, tail gate assist and a tail gate lock.

Mitsubishi Motors Australia chief executive Shaun Westcott says the Triton's reputation as a capable and reliable vehicle, along with its accessory options and 10-year warranty, have ensured its ongoing success.

"Whether looking for an everyday, rugged workhorse through to a fun family car, seeking adventure or just needing to 'get there', there is a new Mitsubishi Triton available to suit," he says. **fm**



SPRAYING

Weather watch

Jointly funded by the grain and cotton industries, the spray drift warning system is expected to be operational for the 2022-23 cropping season

Australian agricultural technology company Goanna Ag will develop a hazardous weather warning system in collaboration with two major research bodies, in a bid to help minimise spray drift.

The Grains Research and Development Corporation (GRDC) and Cotton Research and Development Corporation (CRDC) have jointly allocated \$5.5 million to Goanna for the development of a system that will provide real-time weather data and alerts to growers and spray operators about the presence of temperature inversions.

Hazardous surface temperature inversions occur when air temperature increases with height from the ground surface, leaving a layer of cool air trapped below warm air. In this situation droplets can remain suspended in the inversion layer in

concentrated form and be carried significant distances from the target area.

Currently regulations do not permit spraying agricultural chemicals when hazardous surface temperature inversions are present, meaning such a technology would help reduce risks for growers and contractors.

Under a five-year partnership, Goanna Ag will establish, operate and maintain a network of 100 Profiling Automatic Weather Stations (PAWS) across the grain and cotton regions of New South Wales and southern and central Queensland.

Able to provide real-time weather data every 10 minutes, the PAWS network will provide a 24-hour forecast broken into two hourly segments of hazardous temperature inversions periods, to

◀ Goanna Ag COO Tom Dowling, CRDC R&D manager Susan Maas and GRDC manager chemical regulation Gordon Cumming with a Goanna Ag weather station

help growers and spray contractors better plan their spray operations.

The PAWS warning system builds on breakthrough research, conducted and published by Dr Graeme Tepper and Dr Warwick Grace with support from GRDC and CRDC, and will be operational in time for the 2022-23 summer cropping season, the corporations say.

CRDC's executive director Ian Taylor says the partnership with Goanna Ag builds on six years of collaborative research and development from the research and development corporations.

"Spray drift is a significant issue for agriculture and the wider community, and reducing its potential and impact is critical," he says.

"A study conducted by AgEcon found that the warning system could help reduce the impact of spray drift onto sensitive crops, while also increasing chemical efficacy and improving labour and machinery productivity on farm.

"In cotton alone, the warning system could help the industry avoid \$40 million in losses and costs associated with spray drift over five years," he says.

Goanna Ag chief executive Alicia Garden says the new stations will complement its existing infrastructure across NSW.

"Our speciality is providing essential information to growers on-farm via ag sensing technology," she says.

"Through the creation of the hazardous weather warning system, we'll be applying this knowledge and technology to the important issue of spray drift." **fm**

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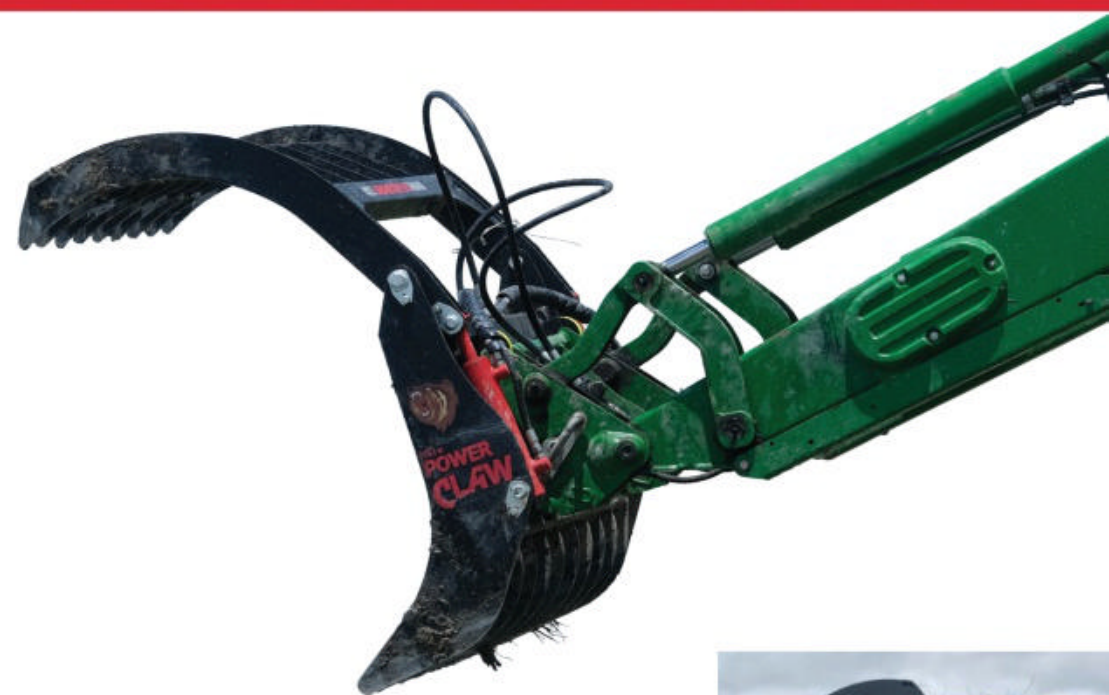


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◀ Munro Hardy, one of nine Nuffield Scholars for 2022

do just that, by exposing them to new ideas and perspectives, developing their leadership skills and forming invaluable networks.”

He says support for a Nuffield Scholarship is part of FRDC’s integrated leadership development program, which includes the Australian Rural Leadership Program and the National Seafood Industry Leadership Program.

Scholars participate in a six-week group study tour to New Zealand, China, the Americas and Europe to investigate issues related to primary production and experience local cultures. They also undertake an eight-week individual study tour and will be trained in communication skills and personal and professional development. Each scholar writes a report and shares the knowledge and experience they have gained with their industry.

Northern Australian agricultural consultant and current 2022 Nuffield Scholar, Munro Hardy, recently attended the Contemporary Scholars Conference in the UK.

“There isn’t a better place in the world to learn from leaders in agriculture who are stepping up to meet the challenges faced around the globe in water scarcity, biodiversity loss, soil erosion, climate change, supply chains, failing food systems and more,” Munro says.

“It’s been so inspiring see what these leaders are achieving as current and past scholars. Joining the Nuffield family opens doors around the world.” **fm**

Applications close June 17, 2022. Find out more at nuffield.com.au/how-to-apply

SCHOLARSHIP

Get on board

Fishing and aquaculture innovators sought for Nuffield Scholarship

Applications are now open for a Fisheries and Aquaculture Scholarship, sponsored by Fisheries Research and Development Corporation (FRDC), as part of the Nuffield Australia scheme. It is open to members of the commercial fishing and aquaculture, Indigenous fishing and recreational fishing sectors who are aged between 28 and 45.

The scholarship is valued at \$30,000 and enables the recipient to study a topic important to their industry, including 14 weeks of group and individual travel over two years.

FRDC managing director Dr Patrick Hone says the scholarship is a unique opportunity to explore the world, discover new practices and ideas and forge life-long connections.

“The long-term capability and capacity of Australia’s fishing and aquaculture sectors to lead and compete internationally and operate sustainably will be determined by our ability to navigate changing circumstances and adopt new technologies and production practices,” he says.

“Nuffield Scholarships enable participants to

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TRADE

Done deal

Australia and India sign trade agreement that removes tariffs on 85 per cent of exported goods

Australia's new trade agreement with India, the Australia-India Economic Cooperation and Trade Agreement, will make Australian exports to India cheaper and create new opportunities for workers and businesses.

Tariffs will be eliminated on more than 85 per cent of Australian goods exported to India (valued at more than \$12.6 billion a year), rising to almost 91 per cent (valued at \$13.4 billion) over 10 years.

Australian sellers will also benefit, with 96 per cent of Indian goods imports being duty-free once the agreement comes into force.

Prime Minister Scott Morrison says the agreement will create enormous trade

diversification opportunities for Australian producers and service providers bound for India, valued at up to \$14.8 billion each year.

"This agreement opens a big door into the world's fastest growing major economy for Australian farmers, manufacturers, producers and so many more," he says.

"This is great news for lobster fishers in Tasmania, wine producers in South Australia, macadamia farmers in Queensland, critical minerals miners in Western Australia, lamb farmers from New South Wales, wool producers from Victoria and metallic ore producers from the Northern Territory."

When the agreement comes into force, sheep meat

◀ The new agreement will cut tariffs on goods such as sheepmeat and wool

tariffs of 30 per cent will be eliminated and wool will have the current 2.5 per cent tariffs eliminated.

Tariffs on wine with a minimum import price of US\$5 per bottle will be reduced from 150 per cent to 100 per cent, then subsequently to 50 per cent over 10 years, while tariffs on wine bottles with a minimum import price of US\$15 will be reduced from 150 per cent to 75 per cent on entry into force and subsequently to 25 per cent over 10 years.

Tariffs up to 30 per cent on avocados, onions, broad, kidney and adzuki beans, cherries, shelled pistachios, macadamias, cashews in-shell, blueberries, raspberries, blackberries and currants will be eliminated over seven years.

Tariffs on almonds, lentils, oranges, mandarins, pears, apricots and strawberries will be reduced.

"The agreement fits well with Australia's diversified portfolio of export markets, whereby our industry carefully matches specific cuts with market segments and cuisines," Australian Meat Industry Council board director and founder of Fletcher International Exports Roger Fletcher says.

"The removal of the tariff will go a long way to providing more certainty for this trade - especially as the majority of other global sheepmeat customers are paying significantly less duty when importing Australian lamb and mutton." **fm**

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A



Sound choice

Able to handle tough conditions with a consistent performance, the Mighty Giant hay grinder is a star recruit for Valton Feeding Solutions



As any Greater Western Sydney fan will tell you, the mighty Giants has made a formidable impression on the AFL in its short time in the league.

In the world of hay grinding, it is a different kind of Mighty Giant making its own impression as one of the newest products on the Australian market.

Available through Valton Feeding Solutions, the American-made Mighty Giant hay grinder has been a winner with farmers since arriving on to Australian shores.

Offering a rugged design, consistent output and considerable efficiency increases, the Mighty Giant has become available after Valton linked up with American distributor Post Equipment Company, becoming the company's Australian importer and distributor.

Post's sales representative Joel Schelling says despite being an American-made machine, the Mighty Giant excels in Australian conditions.

"The Australian hay type is quite a bit different and is more coarse, and that's actually where the Mighty Giant shines versus the competition," he says.

"The Mighty Giant is known for tough grinding situations.

"When I was visiting Australia, we did the straw in the machine and we were getting it down to a 5mm length. We were taking those big four-by-eight foot square bales and grinding them down that small in one grind."

Among the popular uses for the Mighty Giant in Australia are straw grinding for both chicken sheds and feedlots.

The poultry industry, which Valton says is a growing business among its customer base, can particularly benefit from the Mighty Giant.

It is used to make the bedding for chicken sheds, with the ability to grind straw down to 5mm being a considerable advantage for users.

Schelling says another advantage of using the Mighty Giant is the ability to guarantee a consistent output and therefore increase efficiency. "Without this machine, if you're mixing your TMR rations for your dairy or feedlot, you're really not sure of the exact amount you're putting in," he says.

"If you're just dumping a bale in, that bale could weigh 1,000 pounds [454kg] or it could weigh 800 pounds [363kg], so your ration is never going to be consistent. Consistent rations are what gives you efficiency in the feed side.

"With this grinder, you can ensure all the product you're putting through there, whether it's grass, straw, you name it - you can narrow it down to a specific length.

"There are different screen sizes you can put in there, too, so you're in control of that and it's going to be a consistent grind.

"You know exactly how much you're putting in every time, so you're utilising your forages most effectively."

Valton sells the Mighty Giant 2015 PTO, which has a hydraulically tilting tub that allows the user to service and change screens easily.

The 2015 PTO has a 35cm discharge auger under the mill to allow for trouble-free grinding with less mess under the machine.

Its elevators drive from the top with a rubber lagged pulley, while the hydraulics enable it to fold and unfold, raise and lower and swing side to side to make a wider pile or fill trucks.

A handheld remote control allows the operator to control the tub and elevator functions from inside the tractor.

While still a relatively new product Down Under, the Mighty Giant is built by Jones Manufacturing, a company based in the US state of Nebraska with more than 60 years of manufacturing experience.

Schelling says the quality of machine - plus the proximity, with Jones Manufacturing and Post Equipment Company being located about two hours' drive apart - was what created the manufacturer-distributor partnership that ultimately led to Valton Feeding Solutions importing the Mighty Giant.

"Jones Manufacturing also own a custom grinding company, so they're hands on and know what works and what doesn't," he says.

"They've kept it pretty simple - there's not a lot of glamour to the Mighty Giant but they're rugged.

"One of the biggest differences to the competition is it grinds the forages in the mill. It forces the product down in to where it grinds, whereas the others grind over the top of a mill grate, so your production is quite a bit quicker.

"Any mid-sized to larger producer would benefit from this machine.

"When it comes to using mixers rather than the Mighty Giant, when you're grinding your hay in that mixer you are decreasing the life of that mixer and those aren't getting any cheaper.

"You're talking more horsepower and you're

B





“We’re very knowledgeable in the TMR market and we know what works and what doesn’t,” Schelling says.

“Even prior to building the Herd-Boss, we had a lot of people wondering ‘when are you going to build your own mixer?’, and we put it off for quite a while, before we made the connection with Tony from Valton, who was having a hard time with supply.

“We decided to delve into it and what we did was use our knowledge and make a really sturdy mixer.

“We took different features like a complete stainless front conveyor, heavier chassis and different fits and functions of the hoses.

“There was nothing crazy but it was enough to make a difference. Even talking to Tony, people notice it right away. We didn’t just throw it together, there was a lot of thought in how things function.”

The partnership between Post and Valton is an ever-growing one, with Herd-Boss feeders becoming the latest product to be imported for the Australian market.

Schelling says it has already been a “great partnership” with Valton Feeding Solutions and the team has enjoyed working to get more products on to Australian farms.

“We have the same goals and interests,” he says. “Even with the different dealers we work with in the United States, you can tell right away if they have the same vision we do.

“You can tell Tony has expertise in the mixer market and it’s fun to work with him that way – they’re very knowledgeable on that side.”

Valton Feeding Solutions is a family-owned business based in the western Victorian town of Mortlake, which specialises in feeding and hay grinding equipment. It is the importer and distributor of Mighty Giant and Herd Boss products and can supply products nationwide. **ffm**

For more information, visit Valton’s website:
<https://valtonfeedingsolutions.com.au>



A

The Mighty Giant hay grinder

B

Might Giant can grind 70 bales in an hour

C

The Herd-Boss feed wagon is a collaboration between Post Equipment Company and Valton Feeding Solutions

D

Dedication to detail has resulted in a sturdy mixer for the market

E

The 980V Herd-Boss wagon has a 28 cubic metre capacity

We’re very knowledgeable in the TMR market



VISA

Vietnam visa

Vietnamese nationals could be working on Australian farms should an agreement between Vietnam and Australia go ahead

Vietnam is the first nation to agree to take part in the Australian Agriculture Visa program, though details about the deal remain unclear.

Foreign Minister Marise Payne announced in late March that the Vietnamese government had signed Australia's first bilateral Memorandum of Understanding (MOU) to opt-in to the program, which, if realised, will allow workers to enter Australia and work across the agriculture and primary industry sectors.

First announced in August last year, the visa has been long-awaited by employers due to the labour crisis affecting agriculture, horticulture, dairy, wool, grains, fisheries and forestry industries.

"The Australian Agriculture Visa program is intended to provide a sustainable, long-term

contribution to Australia's labour supply that supports Australia's agricultural and primary industry sectors," Payne says.

"It supplements the Pacific Australia Labour Mobility (PALM) scheme, which remains the mainstay for meeting agricultural workforce shortages in our primary industries sector and the key solution for the current harvest."

The policy has been welcomed by vegetable and potato grower peak body AusVeg, which says the arrangement would provide growers with critical workers that will address the horticulture industry's labour shortages.

AusVeg CEO Michael Coote says the visa was never intended to be a short-term solution to issues arising from the COVID-19 pandemic.

◀ **Vietnam is the first to join Australia's Agriculture Visa program**

"It is a long-term structural change for the industry to access a more efficient and effective workforce and reduce its reliance on working holidaymakers," he says.

Australian Workers' Union national secretary Daniel Walton says he was not convinced the MOU would result in an actual, hard agreement.

"But if Vietnamese nationals were really to arrive in Australia on this visa they would be even more vulnerable to exploitation and abuse than previous guest workers," he says.

"This visa contains fewer protections for workers than the Pacific Island visas that it seeks to compete with. And a Senate Inquiry this year has once again underlined just how prevalent exploitation is even among these relatively protected Pacific Island workers, with Samoan fruit pickers telling the hearing they were paid just \$3.20 an hour."

But AusVeg says it has been working closely with the federal government on the development of the visa, ensuring it meets high worker welfare standards.

"The Ag Visa will be a sponsored visa, which is strongly supported by industry so that only businesses that are able to demonstrate that they are fit and proper will be able to access workers through the Ag Visa," Coote says.

"The new visa will only be successful if the health and safety of workers is protected. Workers who come to Australia to pick fresh produce do so to work hard and earn good money, but we also want them to enjoy the experience and feel safe while they work." **mm**

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Rated Load **4,000kg**
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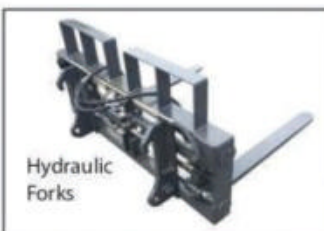
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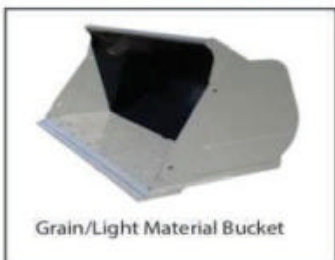
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Crane Jib



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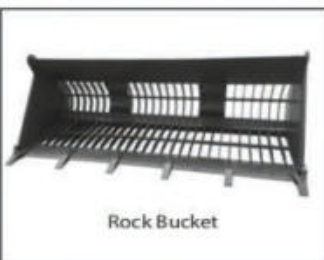
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BUDGET

Budget falls short

Biosecurity, manufacturing and supply chains could all have used more investment, agriculture industry groups say

Agriculture industry groups have given the budget mixed feedback, praising additional funds for regions but saying other initiatives don't go far enough.

In its statement, the National Farmers Federation (NFF) praised the launch of the Regional Accelerator program, designed to help farmers (and other groups) adopt digital technologies through an investment in manufacturing and supply chain resilience.

These include \$500 million for regional modern manufacturing and another \$127.4 million to modernise agricultural export systems by expanding the Digital Services to Take Farmers to Market platform.

NFF CEO Tony Mahar says he is pleased but added that "significantly more" investment was needed to bring the vision to life.

"Agriculture is on trajectory of growth, now is the time to supercharge the industry and the rural and regional communities that rely on it," he says.

"Despite crippling labour challenges, the farm sector continued to power the nation's COVID-challenged economy. It's disappointing therefore not to see the government take this opportunity to outline significant agriculture skill development initiatives."

While welcoming more investment (\$27 million) in an expanded National Stewardship Trading Platform, Mahar questioned the absence of further support to develop the Australian Agricultural



◀ **Brett Hosking,**
GrainGrowers
chair

Sustainability Framework. He also added that the Budget had "again" failed to deliver sustainable funding for the modernisation and expansion of Australia's biosecurity systems, saying there was not enough money invested to properly address imminent biosecurity threats.

"An investment of \$15 million in financial year 2023, to ward off a lumpy skin disease incursion falls short given the serious risk to international market access," he says.

That said, the NFF praised the dedication of \$1.3 billion over six years to improving regional communications, including an announcement of \$481 million to expand and improve the NBN, plus \$811.8 million to address mobile coverage, connectivity, resilience and affordability in regional Australia.

"These commitments acknowledge the

◀ There has been mixed feedback about the budget. *Image courtesy Alisha Reading*

significant challenges highlighted by regional telecommunications users through the Regional Telecommunications Review," the NFF says.

GrainGrowers chair Brent Hosking echoed the statement, saying the Budget was "stable", but that more was needed to advance the industry.

"These announcements will enable growers and the grains sector to maintain its current position, but what the Australian economy needs is growth," he says.

"There are still opportunities that decision makers need to consider, particularly as they focus on their election commitments. Growers utilise good business decision making processes and government's role is to make the investments and the settings that support this."

GrainGrowers says it is seeking commitments to improve critical input supply chains, telecommunications, freight infrastructure and Australia's biosecurity system.

"There have been some good announcements, including \$17.9 billion for new or to improve infrastructure, but we are calling for funding on the basics such as money to keep our existing infrastructure in a reasonable condition so we can get our grains to the local site or onto the freight corridors to ports," Hosking says.

Tractor & Machinery Association executive director Gary Northover echoed the statement, saying the industry was experiencing real supply chain bottlenecks, which are currently the subject of a Productivity Commission review.

"We're suffering lengthy delays with equipment coming through ports - it's painful today and we were hoping to see something to address that," he told *Farms & Farm Machinery*. **fm**



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FUNDING

Tracking funding

Government rhetoric about reducing grain freight transport costs needs to be matched by real savings for Australian grain growers, according to one producer group

Another \$3.1 billion has been allocated to the Inland Rail project in the 2022 commonwealth budget, in a move the government says will help deliver an economic boost to regional towns across the eastern seaboard.

The government committed to spend \$3.1 billion for two new intermodal terminals and connecting infrastructure in the Melbourne suburbs of Beveridge and Truganina - a move it says will help remove about 5,500 truck movements per day from the city.

That is in addition to another \$300 million to fund new grade separations along the Inland Rail route, and another \$150 million to fund the construction of complementary infrastructure projects.

The budget announcement followed the release of modelling by the CSIRO, which suggested a completed Inland Rail could cut

freight transport costs by up to \$213 million per year.

The CSIRO Inland Rail Supply Chain Mapping Project found that existing road-based supply chains could save an average of \$80.77 per payload tonne when shifted to Inland Rail.

For cropping, that would fall to an average saving of \$48.87 per tonne, while those shipping livestock would only save \$4.17 per tonne - though the saving for horticulture would be \$99.21 per tonne.

Deputy Prime Minister and Minister for Infrastructure, Transport and Regional Development Barnaby Joyce says the project provided "the greatest" opportunity for boosting economic development in regional areas as quickly as possible.

"Shifting freight from road to rail will drive down the cost of transporting goods and commodities to

◀ Inland Rail is predicted to significantly cut freight costs

ports and better facilitate the sale of products, like coal, that underpin our standard of living," he says.

But while it welcomed the report, Grain Producers Australia says the modelling will raise expectations for grain producers.

GPA chair Barry Large says the high-level rhetoric about reduced freight costs needed to be matched by real bottom line savings for Australian grain producers and their communities.

"The CSIRO's findings provide a light at the end of a long tunnel for the grain farmers and their communities who may benefit from the delivery of this rail infrastructure," he says.

"However, this is a forecast future return only and right now, grain producers throughout Australia are paying the highest transportation costs. This is having a significant impact on our sustainability and competitiveness and more needs to be done across the nation to address these constraints."

GPA also cited a 2019 study by AgriFutures, 'The Impact of Freight Costs on Australian Farms', which found freight costs (moving commodities to and from ag properties and off-site storages) are highest for Australian grains, representing 27.5 per cent of gross value of agricultural production (GVAP).

By comparison, the cost is one per cent of GVAP for Australian poultry farmers. The study also showed that for 2015-16, for grains (winter cereals) this 27.5 per cent represented \$2.64 billion of the \$8.5 billion in GVAP. *ffm*



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CONNECTIVITY

Better connections

Farmer groups have welcomed a major investment in Australia's NBN fixed wireless network ahead of the federal election

The federal government is investing \$480 million, and NBN Co \$270 million, in a major investment into Australia's internet connectivity that has also been supported by the opposition Labor Party.

Communications minister Paul Fletcher says the upgrade will both extend the coverage range of towers and giving higher speed services to everyone using them.

"The upgrade will expand the fixed wireless footprint coverage by up to 50 per cent, enabling 120,000 additional premises to access fixed wireless services instead of Sky Muster satellite services," he says.

This upgrade will see NBN offer new higher speed services to the fixed wireless network: 100 Megabits per second (Mbps) to all 750,000 premises able to access the new, expanded coverage footprint, and a 250 Mbps service will be available to 85 per cent of premises.

It is also expected that the upgrade will mean some existing NBN satellite customers will move onto the upgraded fixed wireless network, freeing up new space on the satellite.

As a result, NBN Co said in an official news release that it would be able to offer an almost immediate increase in average data allowances for NBN Sky Muster satellite users.

Average monthly data allowances for standard Sky Muster plans will increase to 55 Gigabytes (GB) in the short term, increasing to 90GB once the fixed wireless upgrade is complete in around two years' time.

Regional Communications Minister Bridget McKenzie says the investment will drive major improvements to regional telecommunications quality, helping to bridge the digital divide many Australian communities often face.

"This investment provides a comprehensive

◀ Hundreds of millions will be invested into Australia's NBN network

response to Recommendation 6 of the 2021 Regional Telecommunications Review and is one part of a suite of measures we will announce as part of the Liberal and national government's response to the review in coming weeks," she says.

Labor communications spokesperson Michelle Rowland said Labor would implement the plan if elected, and would also work with NBN Co to look at ways of reducing congestion on seven of its most clogged-up satellite beams, in a bid to offer data allowances of at least 100GB per month.

"Under Labor, 80 per cent of the 7.1 million Australians living in regional and remote areas will have access to speeds of 100 Mbps or more by late 2025," she says.

Both the announcement and the support from Labor were welcomed by both the National Farmers' Federation (NFF) and the Regional, Rural and Remote Communications Coalition (RRRCC), with NFF telecommunications committee chair Peter Thompson saying it was a "hugely positive" investment.

"While work remains to be done, this investment is hugely positive. The next step for the government must be to deliver on the NFF's call for a multi-billion regional connectivity commitment to resource ongoing network improvement and expansion into the future," he says.

"Such funding and investment certainly will build on the very welcome commitment made today and seek to minimise the digital divide which exists between regional, rural and remote consumers and their urban counterparts." **fm**

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COMMUNICATIONS

Step up

A new Deloitte Access Economics report reveals a lack of business readiness for 5G adoption

Economic advisory company Deloitte Access Economics has warned in its new report *5G Unleashed: Realising the potential of the next generation of mobile technology* that the potential boost to Australia's gross domestic product (GDP) in coming years may be affected by a lack of readiness for 5G technology by businesses.

The report finds that, while Australia is currently ranked third globally in terms of mobile connectivity, it is at risk of falling to ninth by 2025 due to a lack of business readiness for change and a policy regime that needs to be updated.

Deloitte says that Australian businesses are slow when it comes to readiness for adoption of 5G, despite 62 per cent of businesses leaders across four sectors agreeing 5G will accelerate the growth of

their business. Of those surveyed, 59 per cent say that they have no strategy to realise 5G and nearly 30 per cent have no plans to implement 5G.

The report's economic modelling estimates 5G will increase Australia's GDP by \$67 billion by 2030 based on the current trajectory for adoption. However, an additional \$27 billion can be realised, it says, through adoption of 5G technology.

"With nearly 90 per cent of businesses facing barriers to 5G adoption, Australia can only unlock the significant economic dividend by lifting business readiness and re-energising the policy regime and framework for 5G," Deloitte Access Economics partner and technology, media and communications lead John O'Mahony, says.

"The report also sets out 11 policy priorities for

government across three key areas - driving national adoption of 5G, infrastructure deployment and spectrum allocation - to support accelerated 5G adoption and rollout and facilitate enhanced investment in 5G."

CEO of Australian Mobile Telecommunications Association (AMTA) Louise Hyland adds that Australia's mobile telecommunications sector has invested billions in the 5G rollout over the years.

"We know there are significant economic benefits to be gained from the adoption of 5G across industry, including innovation, jobs, productivity, and global collaboration and competitiveness," she says.

"Australia's world-leading 5G rollout has seen three live networks established and operational 5G base stations at almost 4,000 sites at the end of 2021 with significantly more brought online since, while trials of 5G technology are being undertaken by industry and supported by the Australian government's 5G Innovation Initiative."

"But, in reality, that opportunity only has value if the potential can be realised, and that's why we are calling on industry and government to now play their role in driving an enhanced rate of 5G adoption."

The report found that barriers to businesses adopting advanced mobile use cases include it not being a current priority (28 per cent) and believing costs are too high (27 per cent).

Many 5G use cases of interest to business leaders are industry-specific, such as greenhouse automation in agriculture, remote monitoring of stock levels in manufacturing, data analytics for patient outcomes in healthcare and traffic monitoring for smart cities. **rfm**



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A

After two years of cancellations, **Lucindale's South East Field Days** were back in March, and **Andrew Hobbs** was there to check it out

Pride of South Australia

Visitors were happy to put the past two years of cancellations behind them in mid-March, when the first South East Field Days to be held since 2019 took place in Lucindale.

With over 8,000 people through the gates on the first day, the event was the first opportunity for many in the region to experience a field day in a long time - after the Wimmera Machinery Field Days in nearby Horsham were also called off for 2022.

Here are some of the highlights of the 2022 event.

Goldacres Prairie Pro Series 2 sprayer

The Prairie Pro Series 2 is a complete redesign of Goldacres' flagship trailing model, incorporating the filling and application technology from its G6 Crop Cruiser Series 2.

The new model boasts a totally new chassis, a higher platform and boom rest design and Goldacres' own G-Hub sprayer control system.

The model pictured has a 6,500-litre spray capacity with a 36m boom - though the units can reach up to 8,500L capacity and a 48m boom.

NDE Co FS850DL feed mixer

Distributed by Eastern Spreaders, NDE Co's FS series of feed mixers are designed with overlapping dual augers for an even front-to-back mix and complete unit cleanout.

Equipped with a step floor design, a suspended 42 inch (107cm)-wide conveyor and a front door that opens to 58 inches (147cm) wide, the unit unloads more evenly for better feeding. The FS850DL pictured here has a capacity of 20.2 cubic

metres and weighs about 9.5 tonnes empty, with a minimum power requirement of 130 horsepower (97kW).

Tow and Fert Multi 1000 sprayer

Designed in New Zealand, the Tow and Fert Multi 1000 spray unit is small enough to be towed by a ute but can cover up to eight hectares with one full load.

The Multi 1000 features the company's patented re-circulation boom design that delivers up to a 20m spread through just two large nozzles.

The agitation can be controlled by a petrol-powered engine, or through a hydraulic powered unit for attaching to and being driven by a tractor.

Bullmax BMLS-H30T hydraulic log splitter

Powered by a Honda GX200 engine and weighing 275kg, the BMLS-H30T has a 30-tonne splitting force and can handle logs up to 630mm long.

The unit can split logs in either a horizontal or vertical position, with two extra-large loading tables for maximum efficiency.

The smaller 25-tonne hydraulic log splitter also boasts with these features, albeit with a Kohler SH265 engine and a 17-litre oil tank, when compared to the 23L tank on the 30-tonne model.

Valton Herd-Boss 980v

New for Australian farms, the Herd Boss feed mixer trailer has a capacity of 28 cubic metres (980 cubic feet) with its rubber extensions, measuring 3,200mm high and with a 2,616mm tub width.

The Herd-Boss comes with hydraulic brakes and a hydraulic steering rear axle, as well as vertical

augers, a two speed gearbox and a 55 Series PTO.

Also pictured is the H8610 Penta spreader, measuring 9.8 metres long, with a capacity of 26 cubic metres and a 250hp (186kW) engine.

S Houle PWD-10 rock rake

Distributed by Wahroonga Enterprises, the PWD-10 rock rake is designed to dig and move rocks and roots into a windrow, making them easy to collect.

Measuring 3.5m wide - and with a 2.7m working width, the unit weighs 1.1 tonnes and is recommended to be towed by tractors with between 65-125hp (48-93kW).

The PWD-10 also includes a tilt system on the rear wheel to adjust to ground contours.

S Houle Rock Master rock picker

With a 2m dumping height, the ability to dump while in motion and a bucket capacity of 3 cubic metres, the S Houle rock picker range offers several advantages over its competition. The RM 8080 Rock Master has a 2m picking width and can pick up rocks of between 5-61cm in diameter.

Weighing 4082kg, the unit must be towed by vehicles with at least 80hp (60kW), though 120hp (89kW) is suggested.

Challenge Sixty1.35 front-end loader

The Challenge Sixty1 series of front-end loaders meets reliability, ease-of-use and performance requirements while also providing a more economical product.

Weighing 590kg, the Sixty1.35 is suited for 75-110hp (56-82kW) tractors, and comes with either



NDE Co's FS series of feed mixers are designed with overlapping dual augers



A

Penta H8610 spreader

B

NDE Co FS850DL feed mixer

C

Bullmax 30-tonne log splitter

D

Bullmax 25-tonne log splitter

E

Goldacres Prairie Pro 2

F

S Houle PWD 10 rock rake

G

S Houle RM8080 Rock Master

H

Valton Herd-Boss feed mixer

I

Challenge CL364X

J

Tow and Fert Multi 1000

H

I

J

Challenge Sixty1.35 front-end loader



Australian or European hitches, an easy detach loader frame and a mechanical self-levelling system.

An additional hydraulic circuit - taking it to four - is available as an option, as are multi-couplers and the hydro ride system.

Challenge CL364X front-end loader

The CLX series of front-end loaders offers a range of features to help save time and money for farmers, with the CL364X suited to 75-110hp (56-82kW) tractors.

Among these features are the EES system, which enhances its strength, and the CLT self-levelling system, as well as an auto cam lock, a fast lock and a choice of Australian and European hitches.

Challenge R Series ripper attachment

The R Series ripper is a three-point linkage attachment to be used for ripping pipe and drainage channels, as well as channels for tree planting and to break up compacted soil.

Suitable for tractors of between 100-350hp (75-261kW), the ripper can be sold with a pipe layer, featuring nylon tapered rollers to efficiently guide the pipe with minimum resistance.

A pipe reel with adjustable arms, hydraulic lift and an adjustable friction brake is also available to reduce the labour of feeding pipe through the pipe layer. **fm**

Challenge R-Series ripper attachment



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FIELD DAYS

Farm World wrap

Victoria welcomed back major agricultural events with the Farm World field days, held in Warragul on March 24-27 . By Lincoln Bertelli

Thousands flocked to Lardner Park across the four days, with organisers saying the Saturday attendance set a new record.

We took a look at some of the machinery being displayed by exhibitors.

Farmliner TSP 1800 mulcher

Distributed by Inlon, this side shift low-body mulcher is ideal for mulching hay and twigs.

Made in Italy by Farmliner, the TSP1800 is named for its working width of 1,800mm (1.8m).

Features include 540rpm PTO speed, four-belt side drive, front counter mulch bar for finer mulch, rear roller with self-clean design and forward roller positioning for quick discharge of grass.

Pöttinger 3000 series baler

The first of Pöttinger's Impress 3000 series of balers to arrive in Australia was the manufacturer's showpiece in Warragul.

Pöttinger says it provides 20 per cent greater density than the previous model, ultimately leading to between 10 and 14 per cent more weight per bale.

According to the company, the 32-knife baler is ergonomically designed and service friendly.

Proven components such as the floating pick-up, the Liftup rotor and chopping system have also been kept, however a completely new binding unit has been added, along with improvements to the wrappers.

Bobcat Zero-Turn mowers

The new range of Zero-Turn mowers was showcased by Clark Equipment, which distributes them under

the Bobcat Australia banner. There are six mowers in the line-up, ranging from the ZT2000 to the high-spec ZT7000.

Bobcat describes the ZT2000, pictured, as having "commercial-grade features without the commercial-grade price tag".

It has a 726cc engine, 14.3L fuel tank, deck widths ranging between 106.6cm and 132cm, cutting heights between 3.8cm and 12.1cm and a maximum speed of 11.2km/h.

The top-end ZT7000, meanwhile, has an overall length of 2.21m, deck width of 182.8cm and cutting heights ranging between 2.5cm and 13.9cm.

Valentini Mammut power harrows

Victorian dealer Vin Rowe Farm Machinery had the Valentini Mammut power harrows among its offerings for visitors to Farm World.

The Italian-made harrows are available in a range of sizes, including the mid-sized 6000 model.

Ideal on both ploughed land and hard soil, these are powerful machines with a strong build.

Valentini Power Harrows have a gearbox rating of up to 400hp (298kW) and are foldable by way of hydraulic rams, allowing for easier transportation with a transport width of under 3m.

Lemken Solitair 9 seed drill

Among the range on display from seeding and tillage specialist Lemken was the Solitair 9 pneumatic seed drill.

It is available as a folding or semi-mounted folding version in working widths of 3m to 6m.

The Solitair 9 has double disc coulters with

rubber-tyred depth wheels, which place the seed accurately at a consistent depth even in variable soils.

Other products showcased by the German manufacturer at Farm World included the Rubin range of compact disc harrows.

Kuhn Altis sprayer

The ability to bi-fold with just the press of a button and the remote lever is a key advantage of the Altis 1500 sprayer, according to Kuhn.

It has a low centre of gravity and has the sump on one side and rinse tanks on the other to help ensure stability on hills.

The machine's weight being carried by the three-point linkage arms of the tractor also ensures flexibility in undulation of steep ground.

Stainless steel spray lines, quad jet nozzle bodies and suspension system in transport and working mode are other features of the Altis series, which is available in 1,500L, 1,800L and 2,000L varieties.

Mahindra tractor and loader

The ML3004 loader was attached to Mahindra's 3650 PST tractor as part of the manufacturer's compact utility range.

The 49hp (36.5kW) four-cylinder tractor is 3.3m long and 1.9m wide and provides a heavy-duty front axle and responsive hydrostatic steering, making it easy to work in tight spaces thanks also to its turning radius of just 3.2m.

The ML3004 loader has a maximum lift height of 2.77m, 0.33 cubic metre bucket capacity and a safe working load of 700kg with ballast. **fm**



- A** Mahindra tractor and loader
- B** Kuhn Altis sprayer
- C** Lemken Solitair 9 seed drill
- D** Bobcat Zero-Turn mowers
- E** Farmliner TSP 1800 mulcher
- F** Valentini Mammut power harrow
- G** Pöttinger 3000 series baler





Events calendar

Here are upcoming field day and agricultural events for 2022. Information was current as of going to press

Tocal Field Days - Tocal

Highly regarded for its educational aspect, Tocal Field Days provides an opportunity each year for landholders and the community to see first-hand a range of livestock and animal handling and husbandry skills. The site also features a large land management area that provides great information on caring for our environment, looking after our native animals and managing feral pests that threaten our landscape.
When: April 29-May 1, 2022
More info: www.tocalfielddays.com

Riverina Field Days - Griffith

Held at the Griffith Showgrounds each May, Riverina Field days attracts over 5,000 people each year and showcases what's new in farming, best farming practices and new technology, and forms a networking opportunity for farmers across a vast range of industries.
When: May 13-14, 2022
More info: <https://riverinafielddays.com>

Coffs Harbour Show - Coffs Harbour

Organised by the Coffs Harbour Show Society, the Coffs Harbour Show has trade exhibitors as well as competitions and rides.
When: May 13-15, 2022
More info: <https://coffsharbourshowsociety.com.au>

Freds Pass Rural Show - Freds Pass

Running for over 40 years, the Freds Pass Rural Show is known for its strong rural theming with a vast range of equestrian events, livestock judging, animal displays and other entertainment.
When: May 14-15, 2022
More info: <https://fredspassruralshow.com.au>

Primex Field Days - Casino

Positioned as being 'Australia's sustainable farming expo', Norco Primex has evolved from a localised event to become one of the country's leading primary industries expos. It now boasts in excess of 1,000 different companies on show and more than 25,000 visitors across its three days.
When: May 19-21, 2022
More info: www.primex.net.au

Mildura Field Days - Mildura

Mildura Field Days are two full days of the best that the region has to offer as well as the latest in agricultural machinery and innovation. Agriculturally-focused exhibitors are joined by new exhibitors forming a wide range of appeal including local food and wine, health and beauty, and more. Events include live music, presentations and kids' activities.
When: May 20-21, 2022
More info: www.mildurafielddays.com.au/Home.aspx

Bellingen Show - Bellingen

Begun in 1881, the Bellingen Show is a yearly event that brings together members from throughout the community, providing a venue for both young and old to showcase their unique skills and talents through traditional agricultural events, the exhibition of agricultural produce, arts and crafts, and top class local entertainment.
When: May 21-22, 2022
More info: www.bellingenshow.com.au

Casino Beef Week - Casino

Casino Beef Week is an annual celebration of this iconic Australian industry and the rural way of life. Taking place over 11 days, the festival provides entertainment, education and an authentic country experience for the whole family. With over 100 vibrant events to enjoy, there is no shortage of fun things to see and do.
When: May 21-31, 2022
More info: <https://casinobeefweek.com.au>

Countryman Gidgegannup Small Farm Field Day - Gidgegannup

Countryman Gidgegannup Small Farm Field Day is the place where those living and working on small farms in the agricultural sector can come together at the one time to view and compare from a selection of products and services designed for efficient farming and rural practices.
When: May 29, 2022
More info: www.gidgegannup.info/small-farm-field-day

For the full year's calendar of events: tradefarmmachinery.com.au/events



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- Stump jumper blade base
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- Stump jumper blade base
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BALE CLAMP

Secure spikes

Distributed by Kerfab, the Tuskan bale clamp offers additional safety to farmers with no strings attached

Simple in its design and purpose but extremely versatile in its capabilities, the Tuskan bale clamp is a gamechanger for farmers.

Designed and built in Australia, specifically the New South Wales town of Cowra, the Tuskan was initially devised as a way of increasing safety when loading hay bales into mixers.

In simple terms, the ability to clamp a bale with the Tuskan allows farmers to cut strings off a bale without needing to lean over the top of a mixer while it is operating and therefore risk their safety.

“Loading mixers safely was the initial kickoff,” explains farmer Phillip Wallace, who was heavily involved in the Tuskan’s design and testing.

“That relates to hay mixers like the dairies use, the tub mixers, and putting a big bale in them.

“The aim is cutting the strings off the bale without the bale falling to pieces, and we saw a gap to do that safely from within the tractor without needing to get out.

“I got the idea from forklifts loading wool bales. All they did was come outside the bale, squeeze it, and then lift it up and put it on the truck. They put one on top of the other and put two or three on.

“I thought ‘why can’t we do that with hay?’ but perhaps not use the paddles they have on forklifts, so we just put two spikes, like hay spikes, which go

in and out hydraulically and that will clamp the bale.”

While the advantage of a product that increases safety is obvious, the Tuskan has also been designed for ease-of-use and to adapt to all sizes and densities of bale.

According to Wallace, the process of getting a hay bale safely into the mixer is simple.

It’s amazing what you can use it for – fitting tyres is one thing and loading wool on trucks

“You put the bale on the ground and put your Tuskan spikes outside it,” he says.

“That means you just widen it out and come in just outside the bale, which is normally eight feet long [2.4m] maximum.

“The Tuskan goes to nine feet [2.7m] so you just put it outside the bale, go and cut the strings and pull the strings off.

“If the bale is really tight, it will bounce out to the spikes and is kept together within the spikes. If it’s doughy or light, it will just sit there.

“Regardless, you just squeeze the spikes hydraulically from in the cabin and squeeze the bale just like you do with a wool bale, pick it up and hold it over the top of the mixer.

“Generally you would have the mixer going, but you don’t have to, and spread the spikes.

“Bit by bit the hay falls out from between the spikes and down into the mixer.”

Another advantage of the Tuskan is its ability to be used in multiple ways – such as a spike, clamp, grab, fork and prong.

The Tuskan can pick items up using whichever method is required, depending on the preferred access angle and looseness of the item in question.

A further example of the Tuskan’s versatility, Wallace says, is that it can be used even without a full bale.

“You can do it with a half bale and spear it halfway through the middle with the spikes closed in somewhat, and then close them up again and pick half a bale up and put it in the mixer, just by clamping it hydraulically and dropping it in,” he says.

The Tuskan has become quite a versatile all-round tool, with Wallace explaining several other



I got the idea from
forklifts loading
wool bales

A

The clamp can widen to nine feet, to
handle a variety of bale sizes

B

The spikes can lift a bale as well as
squeeze the hay together

C

The clamp is multipurpose, able to
lift anything from hay and wool to
tractor tyres

D

Tyres can be placed where needed

E

The clamp provides a convenient
system for loading hay into a bin



uses that were found for the machine since its original development.

"After we'd had them for a few years, we ended up using them for all sorts of things," he says.

"It's amazing what you can use it for - fitting tyres is one thing and loading wool on trucks.

"We have a paddle that slides over the two prongs at either end and that gives you a nice flat sheet and you can squeeze a bale of wool and pick it up.

"For something like tyres we just use the spikes, but you can pick a big tractor tyre and rim up off the ground and go and put it on your tractor.

"It's very hard to manage and handle tyres with front end loaders and chains, but with this you can place it exactly where you want it, take it off and put it back on.

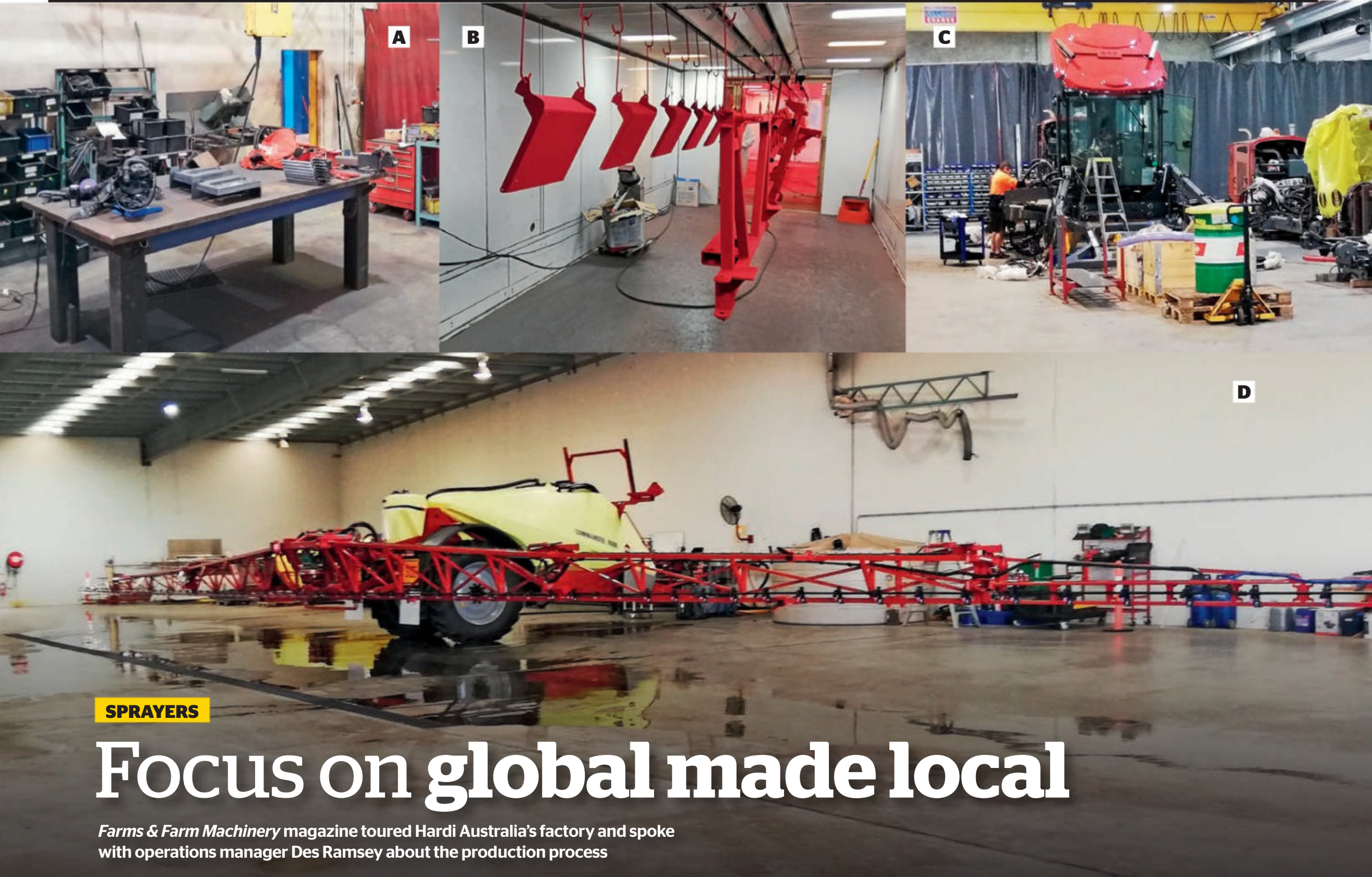
"It's a very versatile and multi-purpose tool. It's not until you have one that you realise how much you can use it for.

"I've never spoken to anyone who has gone for one and hasn't raved about them."

The Tuskan bale clamp is available through attachments manufacturer Kerfab. **ffm**

**For more information on Kerfab and the
Tuskan bale clamp, visit its website at:
<https://kerfab.com.au>**





SPRAYERS

Focus on global made local

Farms & Farm Machinery magazine toured Hardi Australia’s factory and spoke with operations manager Des Ramsey about the production process

Spread across 10 hectares in Adelaide’s northern suburbs is the engine room of Hardi Australia, where sprayers carrying the manufacturer’s signature red colour are built, assembled and tested.

It is a significant operation, with more than seven tonnes of welding wire consumed and eight tonnes of red powder coat sprayed and baked every year in the production process.

The numbers are impressive.

More than 100 people are employed by Hardi Australia including production staff, administration, warehousing, engineering and research and development personnel.

Continuous improvement

Far from resting on its laurels, though, Hardi Australia has a plan to increase its manufacturing capabilities, which is being spearheaded by operations manager Des Ramsey.

“We do a fair bit of our own metal manufacturing, which is a lot more than people think we do, and they are usually surprised at how much when we bring them through the factory,” he says.

“At the moment, we’re in the process of moving more of our manufacturing from Denmark to Australia so we can create more local jobs here in Adelaide. We are a strong believer in growing manufacturing in Australia.

“It also means that we can produce our machines faster because we don’t have to wait 10 to 14 weeks for a part to be made in Denmark, put on a container and shipped to Australia.

“Some of these parts are quite significant components and are only used on Australian machines, which means we are investing heavily in our infrastructure and recruiting more welders and assemblers.

“Not all steel is equal. Moving our manufacturing to Australia also means that we need to change our engineering processes so ensure the components are based on Australian-profiled steel.

“Our objective is to manufacture as much as we can in-house here in Adelaide. We don’t do a lot

of outsourcing; we try to manufacture it all here. If we can’t do it ourselves we outsource it to local manufacturers.

“The flow-on effect of increasing local manufacturing is that we also have to increase our assembly capabilities. All this, combined with an increase in sales, means that we are very busy in setting us up for the future.”

Making it happen

Every day is busy at Hardi’s headquarters in Adelaide, particularly with agricultural machinery demand being so high. Orders are already out for the rest of the year, Ramsey says, which means having an efficient production process is crucial so that Hardi’s customers can take delivery of their machines as quickly as possible.

While touring the Adelaide factory, *Farms & Farm Machinery* got an insight into how many different processes are undertaken to get a part ready for assembly.

“There is an immense amount going on. It starts with the steel that is already pre-cut to whatever size it needs to be,” Ramsey says.

“Each individual component is then welded to become a part and then it moves through the rest of the process.

“First we metal shot blast the part so that it is clean for the powder coating process. Next we prime coat the part, after which it gets baked to 220 degrees Celsius for 20 minutes to ensure the prime is baked onto the steel.

“After that, we put on our final top coat and bake the part again in 220 degrees Celsius for 20 minutes for the final result.

“To ensure the highest levels of quality at every step of the process, we do quality checks before a part or machine goes into the next work cell.

“The way we see it is that each work cell is a customer of the previous cell, and they are allowed to reject the part if they are not happy with the quality.

“However, they are also a supplier of the next cell,

- A** Each aspect of production is a ‘cell’ with quality checks
- B** Eight tonnes of red powder coat is used every year
- C** Sprayers are meticulously built inside Hardi’s factory
- D**

Hardi’s test shed has room for even the biggest sprayers

which means they need to ensure the quality of ‘their’ product is top notch.

“When the machine is completed, it goes across to our test shed for a full functional test.

“Our test shed can fit all Hardi sprayers, including the giant 9000L Rubicon self-propelled sprayer and its 48.5 metre boom.

“With a full water recovery system, Hardi is able to run spray tests for 24 hours and longer.”

Quality in every step of the process is a major part of what Hardi does, Ramsey says, to ensure the final product will be to a customer’s satisfaction when it eventually reaches the farm.

“We have a really strong focus on quality from manufacturing through to assembly through to the quality assurance functional testing that happens on a machine at the end of the whole process,” he says.

However, quality is not Ramsey’s only focus. “We’re also big on safety and providing a safe working environment for our people,” he says.

“That’s very important in an environment like manufacturing, so safety stands there right next to quality.

“The end game for us is all about providing the best possible product to our customers.

“That doesn’t just mean the physical product, it also means we want to give our customers the best experience in every dealing they have with Hardi Australia and its dealer network,” he says. **fm**

For more information on Hardi, visit its website: www.hardi.com.au

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- ▶ Our factory consumes 7,200 kilograms of welding wire each year.
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SCRAPER

Fine details

The HDE Series drawn scraper produced by JN&R Engineering can handle tasks big or small, thanks in part to recent adjustments following customer advice

A series of upgrades based on customer feedback has helped JN&R Engineering to evolve a popular scraper model.

The HDE Series drawn scraper has, over time, received a series of “minor tweaks” such as a new easy-greasing system to ensure its status as a versatile unit remains.

Popular with farmers for its ability to help with crop planting, the HDE is also popular in the civil construction industry and Gino D’Angelo, director of the Victorian-based manufacturer, says its strength is its ability to handle multiple jobs.

“It can do eight or nine things very well - it can dump, it can level, it can haul dirt, it can cut, it can grade to a specific grade, and plenty more,” he says.

“It’s a pretty bulletproof machine. It’s strong, tough and stands the test of the horsepower that’s in front of it.

“It’s obviously made to go behind articulated tractors and those machines are starting to become very popular in civil and construction, with road-based cutting and filling.

“They can get the HDE in there and rip it, cut it and shift the material, as well as contractors who use it for flood irrigation, as far as levelling the ground.

“We’re also finding increased use in the market garden industry for getting low-crop headers in place, and planting crops as well.”

The HDE is available in various sizes, with five models in the range.

These are the 3200, 3600, 3900, 4200 and 4800, with the model numbers based on each scraper’s cutting width in millimetres.

Front-mounted lift cylinders and a mould board setup within the machine itself helps produce high loading and unloading speeds.

Newly-designed side wings allow for easy top loading and bulking, helping the scraper reach its approximate capacity of 17 cubic metres.

There have also been updates to the greasing system, which has been reduced to just four easily-accessible banks that require attention twice per day to minimise the maintenance required.

Another standout feature, D’Angelo says, is the ejector, which means the machine can keep working, even with wet and muddy soil.

“We’ve had some customers who have had a different model and then they’ve gone to the ejector and can’t believe the ease of operation and the quality of how it finishes off,” he says.

“The benefit of the HDE is you get better coverage with your water and more efficiency with your crop yield.

“You haven’t got holes all over your paddock where the crop is going to become waterlogged, and you need to have that fairly flat so the water is able to

run off to make sure you don’t get that crop damage.”

For JN&R Engineering, located in the northern Victorian town of Kyabram, it is a combination of nearly 50 years’ experience as a family-run business and its manufacturing capability that enables it to know exactly what customers want and adapt as required.

The HDE is just one example of this.

“Over the last three or four years we have made some minor tweaks to improve the efficiency and the way it operates and that comes back to listening to the customer and getting their feedback,” D’Angelo says.

The HDE Series comes in five cutting widths

“We’re just trying to evolve and give the customer the best possible machine they can have to do the job.” **fm**

For more information, visit JN&R Engineering’s website: www.jnrengineering.com

The scrapers are used for a wide variety of applications, from cutting and grading to hauling and dumping





LP Series

Introducing the LP8000, 8 meter or 6 meter width Land Plane, twin mast independent for lift precision, dragging capabilities of approximately 5 cubic meters.



DG Series

The DG Series is currently being manufactured in 3.6m or 4.2m width Drag Grader has independent lift for laser precision. Dragging capabilities of approximately 3.5-4.5 cubic meters



Bale Bull Round

The BBR maintains a strong robust design capable of handling the heaviest bales. This machine is capable of carrying two bales and feeds on both sides. It is one of the only machines in the market that is able to feed the toughest of silage bales



HDE Ejektor

Cut Sizes 3.2, 3.6, 3.9 & 4.2m -Rips -Carries -Cross levels -Laser levels.



www.jnrengineering.com.au



Leopard Ejektor

Cut Sizes 3.0, 3.2, 3.6, 3.9 & 4.2m -Rips -Carries -Cross Levels -Laser Levels.



HDB Bucket

Cut sizes 3.6m & 4.2m
-Rips -Carries
-Cross levels -Laser levels.



Honey Badger

Cut sizes 2.7, 3.0 & 3.2m-Rips
-Carries -Cross Levels -Laser Levels.



Bale Bull Square

Features an adjustable moving arm for feed out control and on road transport, capable of carrying two bales.



Honey Badger DA

Cut sizes 1.8, 2.1 & 2.4m
-Rips -Carries -Cross levels
-Laser levels

For more info, check out our YouTube Channel and Facebook Page under JN&R Engineering



LOADER

Sure footed

Bobcat’s compact tractor range provides an option for operators of smaller farms

While Bobcat may be best known for its range of skid steer loaders, and other construction equipment such as excavators, telehandlers and track loaders, the brand has plenty to offer the farmer as well.

The manufacturer’s first ever machine – a compact loader – was designed for a turkey farmer and cleaned small livestock pens and stalls.

Bobcat now has a selection of compact tractors for the Australian market, with five models ranging between 26hp and 55hp (19kW and 41kW) available.

The CT1025, CT2035, CT2040, CT4045 and CT4055 are designed to provide the quality and reliability the brand is known for, while punching above their weight with performance.

Bobcat’s tractors product manager James Crouch says the move into compact tractors was designed to broaden the company’s customer base and provide an option for smaller farm operations.

“Contractors will work with a tractor before taking the next step to a compact excavator or a skid-steer loader,” he says.

“We want to be able to take part in that customer journey. We also want to step into the homeowner segment, which is new for us.

“We want to put our products in the hands of homeowners to give them the same experiences full-time contractors have in the field and on their own property.

“Our compact tractors also complement landscapers’ equipment portfolios and meet the smaller equipment needs of farm operations.”

Across the five models of compact tractors, there are options to customise each to increase its versatility and provide the most suitable option.

Common features across the range include hydrostatic transmissions, generous lifting ability, ground clearance and a powerful three-point hitch with power take-off (PTO) to make implement attachment easy.

Mowers, front end loaders and backhoes are among the other roles the Bobcat compact tractors can take on when fitted with optional implements, showcasing their versatility.

All models are fitted with industrial tyres as standard which are wider than agricultural tyres.

They can be replaced with agricultural tyres though, which Bobcat says “also deliver more power to the ground when towing heavy loads or pulling implements”.

On the CT1025, the smallest model in Bobcat’s range, the agricultural tyre option is replaced with a turf tyre designed to minimise impact on landscaped lawns.

In keeping with their compact nature, the tractors have a tight turning radius of between 2.45m and 2.61m, depending on the model.

The open cabin on each model is fitted with rollover protection, while all tractors have power steering, headlights, LED tail lamps, steering brakes and ergonomic controls for the operators.

Despite being compact tractors, they still have plenty of zip, with the two most powerful models – the CT4045 and CT4055 – capable of reaching speeds up to 29.7km/h.

Maintenance has also been made simpler through all checkpoints being located on one side of the engine.

The tractors are distributed by Bobcat of Australia, which is a business unit of Clark Equipment. **fm**

For more information, visit Bobcat Australia at: bobcatofaustralia.com.au

A

The 26hp CT1025 is the smallest in the range, with a lift capacity of 318kg

B

The CT2035 is the next size up, with a lift capacity of 740kg

C

The second-largest in the range, the CT4045 has a lift capacity of 1,232kg



B

C

BERENDS

The Largest Range of Australian Made Farm Machinery

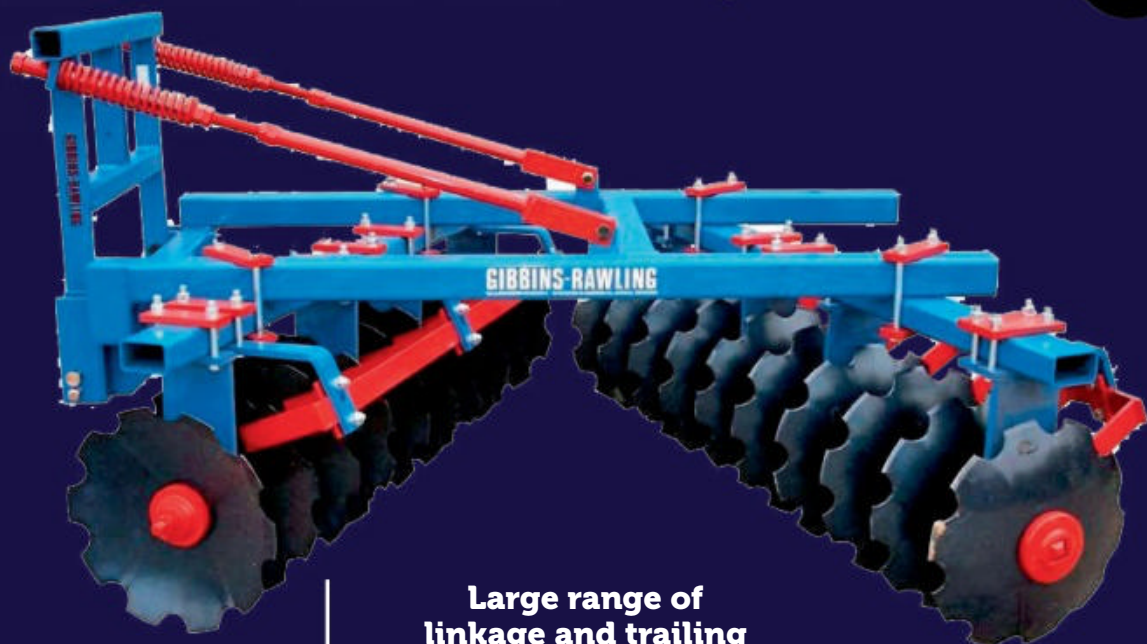
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CULTIVATORS

True blue

German manufacturer Lemken plans to build on local enthusiasm for its cultivator range with a new broadacre focus Down Under

After more than 240 years in operation, it is fair to say Lemken has learned a thing or two about manufacturing.

Starting life in 1780 when Wilhemhus Lemken established a steel foundry in Germany, the company remains family-owned and does all its manufacturing in-house.

Crucially, this has helped to shield Lemken during the COVID-19 pandemic from supply chain issues experienced by other manufacturers.

Recently released figures show the company's 2021 global turnover was €446 million (A\$649 million), an increase of 22 per cent from the previous year, while more than 1,600 people worldwide are employed by Lemken across six divisions.

Given the manufacturer's long history, it took a comparatively long time for Lemken to establish an official Australia and New Zealand subsidiary, with the first one opening in 2018.

The local priority since then has been growth, according to area sales manager Craig Hopkins.

"We have expanded the dealer network from there, as previously it was one dealer importing into Australia by themselves. It's just about growing the dealer network now for us," he says.

"We just posted a record for Australia as well - we sold over 200 machines last year.

"We're definitely in a big growth spurt at the moment and a lot of that is to do with demand from the farmers.

"We're expanding the spare parts stocks as well. Last year we grew it by 700 line items for the parts we need to carry, and we're going to go another 500 line items for this year."

Lemken is known for its seeding and tillage machinery, all of which is in the company's famous light blue colour.

German manufacturing has a reputation for reliability and strength, and Hopkins says this is true of Lemken's products.

"The strength of the machine is what makes it stand out, how it's produced and how bulletproof it is," he says.

"In the wear parts side of it, they don't just put a basic bearing or a basic metal material disc in. It's always got an extra hardness rating in the disc for longer wear life.

"We don't use any rubber, it's all spring steel so the spring doesn't wear out."

Hopkins says the most popular machines with Australian customers have been the Heliodor compact disc harrows and the Rubin range, which he describes as "more of the primary cultivation and secondary cultivation out of the one machine".

The Heliodor is available in Australia with working widths from 3m to 16m, with some models available

◀ The Rubin 12 range of compact disc harrows enables cultivation up to 20cm deep

with hydraulic folding to reduce the transport width to only 3m.

The Heliodor also features two rows of discs individually mounted to leaf springs, which helps to provide a consistent cultivation depth while allowing individual discs to go over rocks when necessary.

Lemken's Rubin, meanwhile, is available locally with working widths between 3m and 7m and also has models that fold hydraulically.

Its standout features include an impact harrow behind the first row of concave discs to guide the soil, a self-locking device to easily adjust the working depth of the harrow's flow, a large disc diameter of 645mm for the Rubin 10 and 736mm for the Rubin 12, and a symmetrical disc arrangement to ensure there is no side draft, even when operating on slopes.

There is plenty more in the works for Lemken, highlighted by a push into weed control following the purchase of Dutch technology company Steketee in 2018.

"They've just invested €18 million (A\$26 million) in a new factory in the Netherlands so that's primarily for all types of crops from lettuce through to broadacre," Hopkins says.

"We've got machines running in New Zealand at the moment with full camera technology for weeding, so it weeds in between the rows and in between the plants."

In Australia, Hopkins says Lemken is aiming to expand its product base to cater for a wider range of farmers and their needs.

"We're going to focus a bit more on the broadacre side later this year with a 40-foot bar to do weed control as well, because we know chemical prices are going up," he says.

"We are also expanding our seed drills as well.

"We've got a new maize drill and it's not the traditional planting one row, it's a double row system. With that, we're seeing a minimum four tonnes per hectare increase in yield.

"Next year, we will also have a new trailed seed drill called the Solitair DT, which is more for doing some direct drilling of both seed and fertiliser," he adds. **fm**

For more information on Lemken, visit its website: <https://lemken.com/en-en>

The Heliodor compact disc harrow range has a working width of 2m to 16m



Combined Powers provides autonomous control of an implement



AUTONOMOUS CONTROL

Two in one

Krone and Lemken present Combined Powers system for autonomous implement control

Lemken and Krone have developed an autonomous process unit that will be integrated into the two companies' forage harvesting and tillage systems.

Named Combined Powers, the drive unit uses a diesel-electric drive that generates up to 170kW (230 horsepower), designed to meet the power input requirements of the harvesting and tillage implements.

The drive power is transferred electrically to the wheels and the power take-off, and from there to the implement, which couples to a three-point linkage system.

The drive unit includes multiple sensor systems that monitor the immediate surroundings and the implement attached for safe operation.

Operators can control and monitor the combination from a mobile device, transmitting jobs and job reports via a communication module and an agrirouter data exchange hub.

The companies say that a key aspect of the process unit is that it is controlled by the implement, with them sharing data and acting as one integrated smart system.

The autonomous nature of the Combined Powers design concept was also developed to address the shortage of skilled labour in agriculture as the user just needs to monitor the process unit and not operate it directly.

Intensive trialling in all types of conditions will continue this year. 



User interface of the mobile device when cultivating

RUBIN 10

HIGH EFFICIENCY. HIGH ACREAGE. HIGH YIELDS.



RUBIN 10 – its superior clearance and 25" discs allow the Rubin 10 to work and control a greater amount of organic matter. Its symmetrical arrangement of discs is unique in the industry and ensures work in a straight line without any lateral offset. Working in a straight line saves fuel and optimizes GPS guidance.

- Hydraulic depth control adjustable from the tractor cab.
- Unique symmetrical disc arrangement for optimized GPS and fuel economy.
- Individually mounted and guided discs with non-stop spring-loaded safety device for high speed work.

Craig Hopkins

Area Sales Manager Australia/New Zealand

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 **LEMKEN**
The Agrovision Company



FENCING

Driven to succeed

Munro Engineers is continuing to develop easy to use solutions for building fences

Munro Engineers is best known for its post drivers and fencing solutions, but across more than 150 years of history it has plenty of stories, which even involve beer drinkers nationwide owing it a vote of thanks.

Nowadays, the Ballarat-based manufacturer produces a range of post drivers, the Wire Winder to bring in old fence lines and the Fence Boss to create temporary electric fencing.

Founded in the 1860s as George Munro Agricultural Implement Maker and Smith, the range of agricultural equipment originally produced included wooden wall presses, tobacco presses, shearing handpieces and chaff cutters.

Fast forward about a century, and current company owner Warren McLean explains how Munro Engineers played a part in production at one of Australia's most famous breweries.

"My father came to Ballarat in about 1960 and worked for a little factory beside where Munro was then," he says.

"He got poached by Munro, worked his way up and ended up owning the company.

"At the time, they were an expert in conveyors, so every CUB beer you possibly drink from aluminium cans were running down Munro conveyors.

"He made conveyors for SPC and others, so they were making equipment in the 1960s and 1970s worth a million dollars, and then came along the opportunity to make these post drivers."

The next step involved a bet between two mates about who could make the best post driver.

A man named Alastair Mackenzie won the bet, before teaming up with a hydraulics engineer called Max Brooke.

"They did some drawings and decided they wanted to go into manufacturing, and they approached my father at Munro," McLean says.

"They all teamed up and finished the machine and started manufacturing it.

"Back in those days, because it was a little sideline, Munro was probably only making one every couple of months. It was not all that important because they were making million-dollar equipment."

McLean's father later sold the factory and machinery but retained the licence to make the post drivers, before McLean became involved in the mid-1980s and has remained ever since, helping the company to evolve its product base.

He is not the only stalwart of Munro Engineers, with office manager Gail Nichols having also been with the company for about 40 years.

"Since then, we built a factory and have continued to expand," McLean says.

"We now employ about 30 people making fencing equipment, of which versions of post drivers are our main product.

"We also make the Wire Winder for winding in old fence lines, and we've recently got into the

◀ Munro's post drivers evolved from a bet and are now the company's main seller

Fence Boss product, which is assisting people using temporary electric fencing for regenerative and sustainable farming."

The Fence Boss has been Munro's latest addition and was originally created by dairy farmers in Victoria's Gippsland region who were seeking an easier way to put out and wind in temporary fences.

"They built a frame and racks that can sit on the front of a quad bike," McLean says.

"The racks are a portable carrying device for carrying your posts for your temporary electric fencing.

"You can take the rack off the bike and put it back on. You can keep the posts stored in your rack or hanging on your shed, gates or fence, so they're tidy and not all tangled up into drums as most people store them.

"They also developed a feed-out cradle for the reels, so you could click your reel into these feed-out cradles, hook the end of the wire and just drive along and feed it out."

Munro has since evolved the Fence Boss to the point it can be used as a powered system for Gallagher and Speedrite standard geared reels.

"We've turned it into a powered cradle so you can not only feed out your reel but you can turn around when you're finished and want to retrieve your fence," McLean says.

"You click your reel back into the powered cradle and it has a layering system on it, so when you click your remote button it winds the wire up and also layers it onto the spool.

"This means you get a lot less tangles and it's a lot easier to maintain your tension when winding it up.

"It's a better way and more efficient way of carrying and storing all your items, and it's a much easier way of deploying and retrieving your wires and posts than doing it manually, which means you're basically walking your lines two or three times."

Munro's next step will be widening the range of reels that are compatible with the powered cradle.

Thanks to a prototype currently undergoing testing, that step may not be too far away.

"The prototype is suitable for large geared reels, standard geared reels, non-geared reels and other varieties that we've been able to test," McLean says.

"Once testing is complete, it appears we have a cradle that can handle almost every reel that has a diamond of approximately 250mm.

"That will be a good advantage and it's very simple and very easy to use."

Munro Engineers is located at 418 Winter Street, Alfredton, Ballarat and also sells its products online at www.munroeng.com

The Fence Boss can be used to both lay out and reel back in a fence

▼



1964 and the world's best Post Driver
was invented

"That machine was a Munro"

Faster. Safer Fencing.

POST DRIVERS | WIRE WINDER | FENCE BOSS



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www.munroeng.com


SPRAYERS

Bigger and better

TTMI has expanded its offering with a range of self-propelled sprayers from Househam

Ever-growing dealer TTMI has become the Australian importer for Househam self-propelled sprayers in its latest of several moves aimed at expansion.

TTMI's core business is being the Case IH tractor dealer for both Victoria's Gippsland region and Tasmania, while the privately-owned company also sells a range of machines for other franchises.

Dealer principal Jason Henry says the decision to partner with UK sprayer manufacturer Househam was a "common sense" one, due to many potential clients being in areas TTMI already services.

"The major areas are market gardens and vegetable growing areas for self-propelled sprayers so most of the areas are within Victoria and Tasmania, but we are looking at putting dealers on throughout the rest of Australia to cover the whole country," he says.

"Our first machine will be arriving mid-year and we've got some other machines that are sold and on the way as well.

"Our clients need them and it's something we can't access through the Case IH franchise.

"It's a specific market garden machine, therefore it made sense to take it on and help customers with their tractors and sprayers."

Househam's range consists of four models - Spirit, Air-Ride, Harrier and Predator - which can all be custom built to the individual requirements of growers.

The Spirit's low weight and ease of use make it a popular sprayer, while its 3,000L capacity and its precision nozzle control systems help maximise productivity.

The Air-Ride meanwhile is designed to optimise crop care and deliver outstanding return on investment. It is lightweight and equipped with an array of advanced features as standard. The adaptability of the design allows the farmer to customise the ma-

chine to meet the demands of crops and terrain.

The Harrier is a high output sprayer that places performance, efficiency and comfort at the heart of its design and is built to meet the needs of professional operators.

Househam's Predator sets the new standard for advanced spraying technology, delivering outstanding stability and manoeuvrability with a massive capacity.

It has been a busy period for TTMI after recently opening its fifth branch, located in north west Tasmania, having only opened its fourth branch last year in the Victorian town of Leongatha.

"This is going to support our brands in Tasmania where we have construction equipment as well and just give us a better spread of being able to service our customers over the whole of Tasmania," Henry says.

"It's a small island but there are a lot of roads in Tasmania and a lot of travel, so this will help us get to our customers when they need us.

"Leongatha has also been really encouraging. We've been well supported by the community and it's been working really well. There was a Case dealer eight or nine years ago that closed up, but the fact we're back in the region and getting good support is great."

Another recent move has been TTMI becoming a dealer for Taiwanese quad bike manufacturer TGB, which makes ATVs that comply with recent Australian safety standard changes.

Later this year, the TGB range available through TTMI will expand to also include side-by-sides.

"We now cover everything from a lawnmower and quad bike through to a high horsepower tractors and air seeders, spreaders, mixer wagons - everything our customers need," Henry says.

While Case IH tractors are the showpiece of TTMI's range, Henry says the company's philosophy

^
The Air Ride is one of four Househam sprayer models now available through TTMI

is to "look after our regions" - specifically Tasmania and Gippsland - with the aim of servicing all customer needs from their nearest TTMI branch.

"We're going on 80 staff now across five locations and sell, service and supply parts to farm machinery," he says.

"We have about 18 apprentices in the group and put on a new one in every location each year.

"These apprentices go to Wagga Wagga TAFE, which is a Case IH-run academy, and is giving them a taste of the product from day one of their apprenticeship."

In Henry's view, the growth being enjoyed by TTMI is allowing the company to gain a stronger foothold in its regions and be better placed to always serve its customers.

"We're always in expansion mode and we've always got opportunity in front of us, but at the moment we want to consolidate what we've got," he says.

"I think the expansion is helping us with the business and the way we're growing, because we've now got economies of scale in regions so we can support branch by branch with other staff at times.

"We might have mechanics working at another branch if we're lacking support at one time, or we can share support staff throughout the regions, so it makes it a bit easier with the demands of today's business."

TTMI's branches are located in the Victorian towns of Trafalgar, Maffra and Leongatha, plus north west Tasmania and Longford. **ffm**

For more info, visit: www.ttmi.com.au

TTMI



PARTNERS IN MACHINERY



CASE IH MXM190 2004, FWA/4WD, cab-tractor/loader, hours: 2456, hp 190, VIN/Serial #: ACM230466, front tyre size: 600/65R28 front tyre %: 80, rear tyre size: 650/75R42r rear tyre %: 80. 1DH 9NJ. TA1119285. **\$110,000**



CASE IH MAGNUM 215 2008, FWA/4WD, cab - tractor only, hours: 9334, HP 215, VIN/Serial #: Z7R05604, front tyre size: 480/70R34 front tyre %: 30, rear tyre size: 480/80R50 rear tyre %: 20. E26JZ. TA1123532. **\$82,500**



CASE IH CVX120 2004, FWA/4WD, cab-tractor/loader, hours: 5556, HP 120, VIN/Serial #: DBD0082640, front tyre size: 16.9-26 90 % rear tyre size: 18.4-38 40 % CVT Vario transmission 40k. DBD0082640. TA1099097. **\$71,500**



CASE IH PUMA 195 2018, FWA/4WD, cab-tractor/implements, hours: 4046, hp 195, VIN/Serial #: ZGBH50693, front tyre size: 600/65R26 Front Tyre %: 40, rear tyre size: 650/65R52 rear tyre %: 50. ZGBH50693. TA1120963. **\$145,200**



VICON RV2160 2008, round baler/wrapper bale pack bales: 55000, located Trafalgar. Contact Andrew Noonan 0412 610903. VGRW000382. TA1115035. **\$38,900**



KUHN VBP 2190 2016, BALEPACK round baler/wrapper, bales: 7149, selling due to upgrader. Located Trafalgar. Contact Ron Hampton 0412 544077. VGRB000531. TA1115029. **\$93,500**



KUHN VBP 2160 2010, round baler/wrapper, bale pack 9500 bales. Located Trafalgar. Call Andrew Noonan 0412 610903. VGRW000525. TA1115034. **\$73,700**



VICON RV1601 round baler/wrapper combination paddock ready. Located Trafalgar. Call Andrew Noonan 0412610903. RW0000033. TA1062292. **\$55,000**



CLAAS VARIANT 385 2012, round baler 18000 bales. Located Trafalgar. Call Andrew Noonan 0412 610903. 75203404. TA1115030. **\$27,500**



KRONE COMPRIMA V150 XC 2018, round baler, bales: 4500, net wrap, like new. Located Trafalgar. Call Ron Hampton 0412 544077. WMKRP701S20988463. TA1115854. **\$59,500**



LELY V160 round baler, netwrap. Located Tasmania call. Simon Maloney 0419 348023. 175800272. TA1077054. **\$20,000**



KUHN VB2190 round baler, netwrap, 22000 bales. Located Tasmania call Tas Mundy 0400 077953. VGRL001969. TA1077060. **\$28,000**



KUHN EL 201-400 2008, rotary hoe, brand new packer roller. Located in Tasmania Longford. Call Simon Maloney 0419 348 023. 200189. TA1039344. **\$13,200**



CASE IH DCX131 2003, mower conditioner, 4m steel rollers with travel buggy, in working conditioning. As is. Located Tasmania. Call Tas Mundy 0400 077953. NCA0096353. TA1077189. **\$17,600**



LELY OVERUM 6 BURROW D623 furrow D623, blade plough. Located Longford call Tas 0400 077953. D698HL525230111. TA1077057. **\$12,000**



NEW HOLLAND 650 650 baler, round baler, netwrap. Located Tasmania. Call Simon Maloney 0419 348023. 910943. TA1077051. **\$12,000**

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LONGFORD

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Longford, TAS 7301
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EXPANSION

On the Case

A spike in demand has seen Intersales expand its operations in Wagga Wagga



Intersales added to its East Wagga premises recently with a new machinery workshop.

Intersales managing director Peter Heinrich officially opened the modern 1,200 square metre workshop facility, which has been custom designed, and purpose built to cater to Intersales' needs.

Each work bay is large enough to accommodate a large Steiger tractor or flagship size Case IH header on duals, or a combination of smaller machines.

Intersales operates Case IH dealerships in Temora, Wagga Wagga, Griffith and Wodonga, and offers sales of new and used machinery as well as comprehensive service and spare parts.

Company director and Wagga Wagga branch manager Adam Blachut says the rate of growth has exceeded company expectations.

"When we opened Intersales Wagga Wagga we knew that we would require additional workshop space. However, we were surprised at how quickly we outgrew the existing facility," he says.

"However, as you might imagine it has been more of a challenge than it otherwise might have been to actually build such a dedicated construction.

"I'd like to thank my team for working in conditions that were less than ideal while we waited for the new facilities to be completed.

"This has been a very challenging time to build with various COVID-19-related delays and building materials in short supply.

"We had an excellent builder, David Hurst Constructions, who was able to navigate these challenges and provide us with an excellent result in a very short timeframe.

"Wagga Wagga City Council is very keen to support business growth and development and they have been very supportive of our initiatives and provided guidance and assistance when needed."

In addition to the new workshop, Intersales' previous workshop facility will be converted into a 500sqm parts storage warehouse, providing an additional advantage for the company.

"Increasing the parts inventory stored in our Wagga Wagga branch is strategic for us, as Wagga Wagga is centrally located to Intersales dealerships and provides fast response times when customer machines require parts and service," Blachut says.

"In planning every aspect of our new facilities, our sole focus has been on how we increase employee comfort and safety, so we can best support our customers' needs and increase the level of service that we provide to them."

Intersales invited key Case IH staff to the official

Case IH 400 tractor and 7250 harvester
Inset: The new branch at East Wagga

opening on March 17, including Australia/New Zealand general manager Pete McCann, head of network development Hector McInnes, national sales co-ordinator Gerard Prior and other brand representatives and Intersales staff. **ffm**

For more information on Intersales, visit its website: www.intersales.com.au

The ribbon is cut at Intersales' new facility



INTERSALES

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CONSTRUCTION



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FLEXI COIL PD5700/3850 PD5700/3850
2012, Parallelogram Precision Hoe Drill 60' (18.3mt) Width in 5 sections 12" spacings on 3 ranks, 5.6mt transport width 60 row units - Double shoot opener, Smooth profile packing wheel, individual depth control and fully adjustable breakout (275-55lb) from the cab seat Seeder is matched up with a Flexicoil 3850 tow behind Air Cart 3 bin 380bu Capacity (13,400lt) Split in litres 4,150/3,300/5950 Flexcontrol IV 254mm (10") Load/unload auger. TA1029421. **\$181,500**



MANITOU MHT860 Telehandler, 1611 hours, 8 metre boom, 6 ton lift, scales, industrial pallet forks, GP bucket, 130 HP engine. Good condition. TA1122723. **\$115,000**



JCB LOADALL 531-70 Agri super 2016, Telehandler, 2,974 hrs, 130 HP Engine, 6 speed transmission -40 KPH, 400/80R24 tyres, 2 cube bucket and pallet Forks, a/c, AM/FM radio, hydraulic pin lock, smoothride. TA1100432. **\$102,300**



CASE IH PUMA 165 CVT 2010, 6500 hours, 600/65R28 front @ 90%, 650/65R42 rear @ 90%, front fenders, light bar, beacon, front suspension, cab suspension, 540/540E/1000/1000E PTO, three point linkage, pro 700, 372 receiver. TA1104863. **\$99,000**



CASE IH MAGNUM 370 CVT 2013, ultimate spec Magnum, 5000est HRS, dual 480/80R50 rear, 480/70R34 fronts, 50 kmh CVT transmission, 540/1000 pto, linkage and quick hitch, 4 rear remotes, nav, 372 receiver. TA1101389. **\$209,000**



MACDON R116 2017, mower conditioner PTO, pull type, rubber rollers, tidy, new blades. TA1108648. **\$60,000**



DIECI AGRI PLUS 40.7 2017, Just traded, PS evo telehandler. Complete with GP bucket and pallet forks. 1000 engine hours, 4 speed powershift, FPT diesel engine. A/c cabin. Extra lighting UHF. Located in Griffith. TA1058832. **\$110,000**



INTERSALES UNKNOWN 2021, 3 and 4 axle header trailers. Combine windrower or dual purpose, rubber torsion axles, guards, lights, flashing light, 2 storage grates, ball race turntable, 40mm ring feeder. TA458044. **POA**



UNKNOWN UNKNOWN new and used The silos come in many different sizes starting at 16m3, perfect for seed silos or the hobby farmer wanting to feed a small number of livestock, and up to 137m3 for serious grain storage. TA1011908. **POA**



VICON RSXL 2500i extension -. TA1094952. **\$8,800**



MACDON R85 2016, 16ft mower conditioner, hydraulic drive, steel intermeshing conditioner rollers, forming shields, skids, tidy order shedded. TA1078448. **\$57,200**

POLARIS

JCB

Horwood Bagshaw

CASE IH
AGRICULTURE

MacDon

MORRIS

HARDI

flexi coil



COTTON

Best buds

CBC Toowoomba helps drive local cotton industry

The Australian cotton industry employs around 12,000 people in regional communities – many of whom have lived and worked there for generations.

Ninety per cent of Australian cotton gins are family farms in New South Wales and Queensland, where the industry provides considerable economic value to the regions where it is grown: generating about \$2 billion per year in export earnings for the local economy.

Central and south Queensland is the region for cotton production, and at the heart of the industry there is CBC Toowoomba, where CBC technical representative for power transmission Mick Locke has been working for more than 22 years.

“Cotton is a natural fibre plant that grows in warm climate conditions to tall shrubs with flower buds that drop after several weeks,” he says.

“The buds leave behind ripe cotton balls that contain fluffy white lint and seeds. The seed cotton balls are then picked from the field and transferred to a cotton gin. From there, the lint is parsed out from the seeds and pressed into cotton bales.”

In preparation for the annual cotton harvest during the summer months, Locke regularly visits cotton gins to ensure their ginning equipment is adequately serviced for processing the fibre.

He is the CBC Toowoomba resident expert on power transmission products for cotton gin equipment and works with local cotton producers to keep their operations running smoothly.

“The most important part of the ginning process is the cotton bale press because it creates the final product that will be shipped to customers,” he explains.

“During a cotton harvest, cotton gins run continuously to ensure the product is pressed in peak condition.

“The gins run on power transmission belt drives with up to a dozen belts at a time.

“Downtime on equipment isn’t an option and the gins need to be in operation for the entire season without requiring belt replacements.”

Part of Locke’s job is to keep ahead of the latest and most advanced belt technology, working closely with suppliers like Gates. Gates has a wide range of belt products suitable to agricultural applications such as the cotton industry.

The belts are famed for their high quality and performance, says CBC Toowoomba.

These include V belts such as the Predator, Quad-Power, Super HC, double-sided, Tri-Power and wrapped V belts, as well as synchronous belts including the Poly Chain GT Carbon, Special, Twin Power, Powergrip GT4, HTD and the metal Poly Chain GT sprockets.

“One of our key suppliers is Gates Australia and they recently released an interesting case study for troubleshooting V-belts in a cotton gin, which I use as a reference,” Locke says.

“At the cotton gin in question, the double-sided V-belts on site were underperforming. Replacing the belts multiple times during the season was

Ensuring the right belt is used in cotton gins is integral to keeping the machines running continuously during cotton harvesting

slowing down production and extending the ginning season at huge cost to the farmer.”

The solution Gates suggested were Hi-Power II Dubl-V belts, which proved to be very successful on the application, Locke says.

“The Hi-Power II Dubl-V belts are designed to make full contact with the grooves of a pulley for uniform loading,” he says.

“The core of each belt is made from flex-bonded polyester cords that reduce stress and the Flex-Weave woven cover serves as a protective exterior shielding the belt core from oil, dirt and heat.”

Often, Locke will need to advise cotton growers on how to correctly implement their belts and when they can make an upgrade.

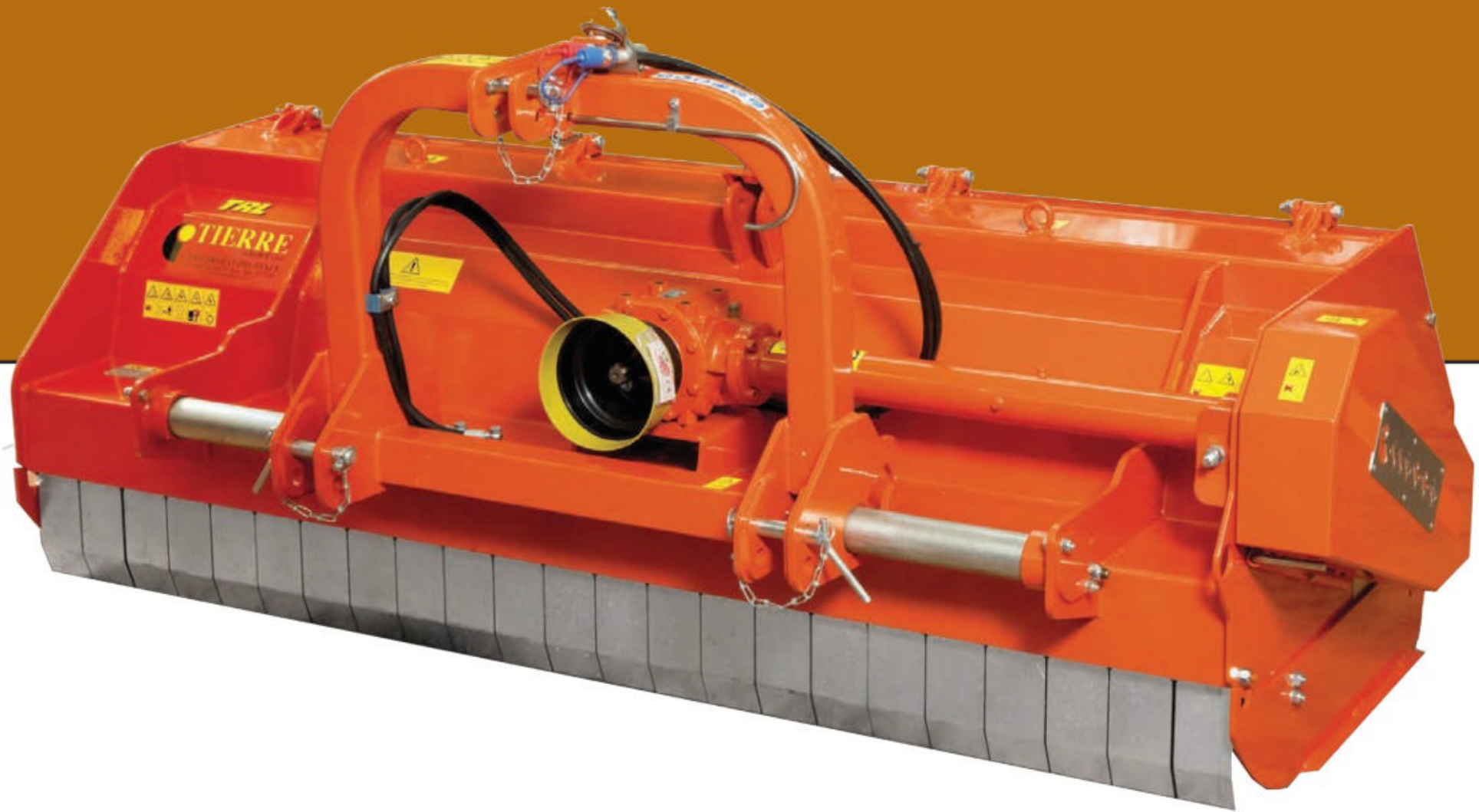
“I can assist with achieving the correct belt alignment and tensioning for greater reliability during peak harvest season,” he explains.

“Ideally, the only repairs and maintenance at a cotton gin would only occur during the off-season. But, when an issue arises, CBC is there to provide guidance and technical support with getting things up and running again.” **ffm**

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Problems down the line

We can't afford not to fully tax fuel when the money is needed to upgrade regional and rural roads

Cuts to fuel tax means less revenue for upgrading regional and rural roads

It's not often I argue for a tax to remain, or even to increase, but the recent announcement in the federal budget to cut the fuel excise tax in half to 22c for six months is not a smart decision.

There is a good argument to be made that the government should have ignored the pressure to cut fuel excise to help reduce the cost of living.

We have seen this movie before, where the nightly news runs images of bombs and bullets flying and the cost of fuel jumping, with the media demanding a cut in fuel taxes.

More often than not, the government of the day ignores the media barrage and holds the line, knowing that within 12 months the fuel price will drop as the system comes back into balance.

However, this time round, the government does not have the time to wait with the next election just weeks away in May.

Reducing fuel excise to buy some love from the electorate is the easiest thing in the world when fuel prices are high. But there is always a day of reckoning when the time comes to reinstate the full tax to catch up on funding to fix the roads.

Putting up excise rates is a hard political sell - just ask Tony Abbott. It was Abbott and Joe Hockey in their infamous 2014 budget who sought to reinstate the indexation of fuel excise that was frozen by John Howard and Peter Costello back in 2001, after the price of fuel spiked past \$1 a litre just months out from the election.

Over a decade later, and after years of cuts to annual road funding, the federal government was forced to make the announcement that fuel would go up a few cents a litre to fund more road works.

Predictably we saw a hysterical media reaction whipped along by the Greens and Labor, who railed against the "cruel tax hike on motorists", labelling



**Trevor Whittington,
CEO WAFarmers**

the government "bowser bandits". This is the same mob that claimed Abbott was a carbon denier and should have been doing more to reduce Australia's carbon emissions.

But, of course, in the climate change debates Labor has never been brave enough to put up a policy to tax fuel guzzlers off the roads as that would have been a direct attack on its base.

But Labor does like its taxes. In a fit of hypocrisy when it sniffed a possible victory at the 2016 election, it let the excise rate increase slip through parliament, figuring it was better to let the coalition wear the hard decision than do it itself later on when in power.

Such logic probably crossed the minds of

Morrison and Frydenberg - if they assume Labor will win, then why not leave the cut open-ended instead of setting an expiry date of September 28, leaving Labor with fewer funds to spend and the unpleasant task of having to reintroduce it later.

Mind you, in such a scenario, Labor, now dominated by the left faction, is unlikely to have the financial hard-headiness of Abbott and Hockey to balance the books. So, like last time, it might be left until the coalition returns to power to reinstate any reduction, assuming it loses the election.

But there is a problem with this, as state governments depend on that excise to fund big road projects. In 2022-23, the federal fuel excise component is forecast to net over \$11 billion after rebates, with most of it being allocated to land transport infrastructure projects.

While the government tells us it is not cutting road tax, the loss of \$3 billion out of the budget has to be made up somewhere or put on the credit card.

My argument is that any cut to the federal excise means something gets cut to buy votes. We pay road excise for a reason and it becomes a slippery road if governments cut future revenue.

If Labor wins, and wins big in the city, when it comes to rolling out its mini budget in six months time and the price of fuel is still up around \$2, will it leave the 22c cut in place and cut regional road funding? If it does, I will blame the coalition as it will have made it easy for Labor to subsidise the city at the expense of regional road safety.

The brutal fact is fuel taxes are a necessary evil and should not be slashed to ease the cost of living, because the money they raise is desperately needed to fix rural and regional roads that have not kept up with the size of trucks and the growth of the agricultural and mining industry. **fm**

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A

Malcolm and Lance Clark are a father and son team who have switched from the pressures of dairy farming for a different kind of pressure - the art of shelterbelt trimming, specialising in rural and lifestyle properties

Words and images **Lisa Potter**

Sharp operators

Malcolm and Lance have come a long way since those early days and are the first to admit that it hasn't been easy. However, now armed with a more modern fleet, one core ingredient remains the same - the satisfaction of a job well done and positive customer feedback.

Early days

Having grown up around farm machinery as a farmer's son on the family dairy farm in Patetonga in the Waikato on New Zealand's North Island, Lance spent most of his early years working as a dairy farmer, following in his father's footsteps.

The experience gave the pair a solid ground in being part of a family business. These days, those same core skills remain essential to successfully managing the business, and mum Jill is also crucial to the smooth operating of Clark & Son - taking care of the heavy workload in the office and doing much of the organising behind the scenes.

"When mum and dad sold the family farm, I got a job milking cows in Pukekohe," says Lance.

"I'd also worked over the years driving various gear for ag contractors like Wallings.

"The family farm had got to the stage where we either needed to commit to expanding or make some major changes. One way to resolve it was whether we bought the neighbouring farm or they bought ours, so mum and dad decided to sell and take a break."

Malcolm and Jill travelled overseas for a couple of years. When they returned home, Malcolm was keen to keep busy and Lance was ready to leave his role working for someone else and strike out by himself.

Looking to do something different, their shelter trimming business started off with the purchase of

an existing business and one tractor, which Malcolm and Lance took turns operating. Before long, the old Ford was upgraded to a Massey Ferguson 6265.

"The upgrade was a definite step up in terms of operator comfort," says Lance, "and the 6265 with its Dyna 4 transmission was well suited to our requirements for hedge cutting."

In 2008, a second shelter trimming business was purchased. The Iseki tractor from that business was immediately scrapped, and a Massey Ferguson 7475 Vario transmission was purchased, which still remains in the fleet today. The original Massey Ferguson 6265 was replaced with another Massey Ferguson 6265, which also remains in the fleet today.

With two tractors enabling the pair to carry out twice as much work, a Fendt 718 was ordered in 2019, as the hours on the Massey Ferguson 7475 were inching up about 14,000.

Tools of the trade

The customised Fendt 718 Vario tractor is the pride of the Clark & Son line-up, with its rotating cab and customised Palfinger crane and cutting head.

The rotating cab turns to 220 degrees and allows for improved visibility when operating in tight spaces with high hedges.

"We wanted it set up to allow us to be more efficient and also reach heights of up to 12 to 13 metres [for] flat topping and 15 to 16 metres [for] side trimming while being able to keep the cutting head straight and flat - important for a quality finish," Lance says.

Having it customised to suit their specific requirements meant additional investment and time delays, and while the eventual project took almost two years to see to fruition and land in New

Zealand, both Lance and Malcolm were delighted with the final design.

"While the complete unit with its crane and cutting head now works like a dream, further complications were yet to come, adding another year to the project to get the right balance between the crane and custom-built cutting head working to our desired requirements," says Lance.

"Like anything with machinery that's not 'standard', getting something this customised can be time-consuming and frustrating."

As well as delays with the tractor and getting the rotating cab fitted, there was also a six-month delay getting the crane component from England.

"We had to be pretty patient," says Malcolm.

"And if that wasn't bad enough, the tractor with Palfinger crane arrived in the country shortly before we went into the first lockdown, so after that long wait, it sat there doing nothing for months."

Malcolm's years of engineering expertise have been a definite asset to the business, particularly when it has come to customising cutter heads and other specifics on their machinery. Over the decades, he has built everything from cowsheds to farm trailers, stock crates, and more.

"For the cutter head on the Fendt unit, we've worked closely with the team at Tirau Welders to perfect the details. We always knew exactly what we wanted but it was a customised build to copy and improve on our existing two cutterheads. Tirau Welders were amazing to work with and understood what we were after perfectly."

Most of the equipment at Clark & Son has been strengthened and modified. Having the balance of the crane and cutters exactly right is essential for strength without being too heavy when extended at trimming height.



The Fendt is the only one of its kind in New Zealand



A

Father and son team Malcolm and Lance Clark

B

Lance with his one-of-a-kind Fendt 718, which boasts a cab that rotates 220 degrees

C

Latest acquisition the Fendt 718 alongside the Massey Ferguson 7475

D

The rotating cab in action, which can turn 220 degrees for improved visibility

E

Lance has an expert touch when it comes to operating the cutter for finely detailed jobs

F

The MF 7475 trimmer at work on Motiti Island

G

A tidy finish with the Fendt 718 and its customised crane and cutter

Always alert

Part of the key to maintaining machinery and nipping potential problems in the bud comes down to the awareness of the operator, which is why Lance and Malcolm continue to be the sole operators of their expensive fleet of machinery.

"When you're out there cutting, you're always listening for something that might sound a bit different or keeping an eye out for any potential stress points," says Lance. "The nature of the jobs we're doing is really hard on the gear, so maintenance and staying aware is hugely important."

A delicate balance

With their joint skillsets, Lance and Malcolm have a reputation for providing quality service. Lance, in particular, has become something of an artist with the cutters, often called upon by clients with specialist projects who want a meticulous arch in the middle of their straight hedge.

"There's definitely an art to it, and it's a delicate balance - not only when doing something specific like a curve but also in making sure you're cutting the right amount from different tree varieties to keep it tidy while not compromising future growth." **fm**

"There's a lot of steel on our machines, and we've learned to protect the cab roof, bonnet, and windows against falling debris, etc."

A roof window of 18mm plate glass has been custom added to the machine for operational safety purposes.

For tidy up work after the trimmers have been in, Malcolm and Lance have a Berti 220 heavy-duty fixed tooth mulcher and a Berti ECF/MD220 side shift mulcher. The heavy-duty mulcher is a great tool for some land clearing, regularly being used to mulch out old blueberry rows for replanting, behind a second Massey Ferguson 7475.

"Having the ability to offer a clean-up component to our trimming services is important," says Malcolm.

Of course, given some of the terrain they work on, it isn't always straightforward.

"We definitely have some challenging properties with uneven terrain and trying to work in confined awkward places.

"Then there's the element of the occasional unknown such as sinkholes - never fun to have a wheel drop into those when you have the crane fully extended.



^
Rabobank says the high price of inputs like fertiliser mean farmers need tight control of their margins

MARKET

Cost control

Rabobank says margin control is critical for Australian farmers

Keeping track of margins and controlling input costs will be vital for Australian farmers preparing for winter crop planting, says Rabobank.

Rabobank senior commodity analyst Cheryl Kalisch Gordon says that while higher commodity prices are a boon for Australian farmers, record input prices mean that grain growers will need to focus on margin control for the 2022/23 season.

“Australian grain growers will need to keep doing the sums to make sure they are pricing according to an outlook that is for input higher prices, but for grain pricing to potentially soften – even though we expect that to still be at levels well above average,” she says.

“Our analysis shows that the ‘returns to key production inputs’ [ratios] remain positive but have fallen, even though output prices have also increased. Returns to urea application in wheat production for example have fallen from nearly 10:1 in 2019 to 2.5:1 at current prices.”

Greater per hectare costs of production also increases business risk for the season ahead.

“This is top of mind for most farmers, and they are approaching input management from a range of angles,” Kalisch Gordon says.

She says that growers “first and foremost” are thinking about efficiencies within their cropping businesses and how they use their nitrogen fertiliser to ensure they receive “the best bang for the buck”.

“Farmers are also considering both their crop choices and about planting less fertiliser-hungry crops, and thinking about which nutrients they can stand to reduce in their program,” she explains.

She says that it is critical for farmers to ensure that pricing assumptions for both inputs and outputs reflect “how markets will move over the year ahead and the potential to be otherwise caught buying and selling on different markets in terms of timing”.

Even before the invasion of Ukraine, she says, Australian grain growers were aware the outlook was for firm pricing of inputs and well-above-average pricing over the course of the coming year.

“Along with concerns about their capacity to secure supply, farmers were already weighing up changes to gross margins and procurement strategies that would limit exposure to cost increases but also ensure timely availability of supplies,” says Kalisch Gordon.

Rabobank senior agriculture analyst Wes Lefroy adds that it was an unlikely scenario that urea prices would fall considerably for the winter crop applications, and he believed farmers should be budgeting for prices to be at least at current global levels if not even slightly higher through the second quarter of 2022.

“While the impact of the Russia-Ukraine conflict has predominantly led to another rise in input prices, the supply of key agricultural inputs needs to also be at the forefront of grain growers’ minds,” he explains.

“Russia supplies 14 per cent of global urea exports and 21 per cent of potash exports. Now, with them largely out of the picture from a global supply standpoint, global supplies are much tighter than usual.” **fm**



CONFIDENCE

^
Income expectations remain healthy among Australian farmers

Time to invest

High commodity prices help sustain Australian farmer confidence and encourage high levels of rural investment

Rabobank’s 2022 first quarter confidence survey has found that although Australian farms are forecasting strong commodity prices, they are also wary of the rising cost of key inputs.

Investment plans continue to sit at high levels, despite sentiment easing slightly since late last year, but as the survey was completed prior to the recent flooding disasters across Australia’s east coast, its impact on production and income projections for farming have not been considered.

The survey found 31 per cent of farmers expected agribusiness conditions to improve on last year – down slightly on the 35 per cent with that view last quarter.

Just over half expect a continuation of last year’s very good business conditions, while the number expecting a deterioration was 14 per cent (compared with 13 per cent in the previous quarter).

Livestock producers and canegrowers were found to be the most optimistic sectors.

Rabobank Australia CEO Peter Knoblanche says consistently high commodity prices over the past three years had put the nation’s farmers in a very strong position, even in the face of some immensely challenging seasonal conditions and natural disasters in some regions.

“Low interest rates and continued strength in our markets are helping farmers create opportunities for growth and expansion, which is driving greater productivity across the sector,” he says.

However, Knoblanche says the regions in southern Queensland and northern NSW affected by the recent flooding disaster had been some of the most optimistic in the recent survey, and the full extent of the damage to agriculture was still unclear.

“The flooding and extreme rainfall have had major impacts on many agricultural producers in these regions,” he explains.

“In particular, dairy farmers have suffered herd losses and damage to infrastructure. There have

also been livestock losses among cattle farmers as well as crop damage in sectors such as horticulture, sugar cane and soy beans.

“In addition, agricultural freight and logistics networks were significantly affected and may remain impacted for some months. The full extent of the damage is still not yet known and, for many in these regions, it may take a number of seasons to recover.”

The survey revealed more grain farmers expecting conditions to worsen than improve, citing rising input costs as the main concern, while almost half were worried about the prospect of falling commodity prices.

Among beef producers, 34 per cent predicted conditions would improve further over the year ahead, and almost half of cattle farmers surveyed expect their gross farm incomes to increase on last year’s returns.

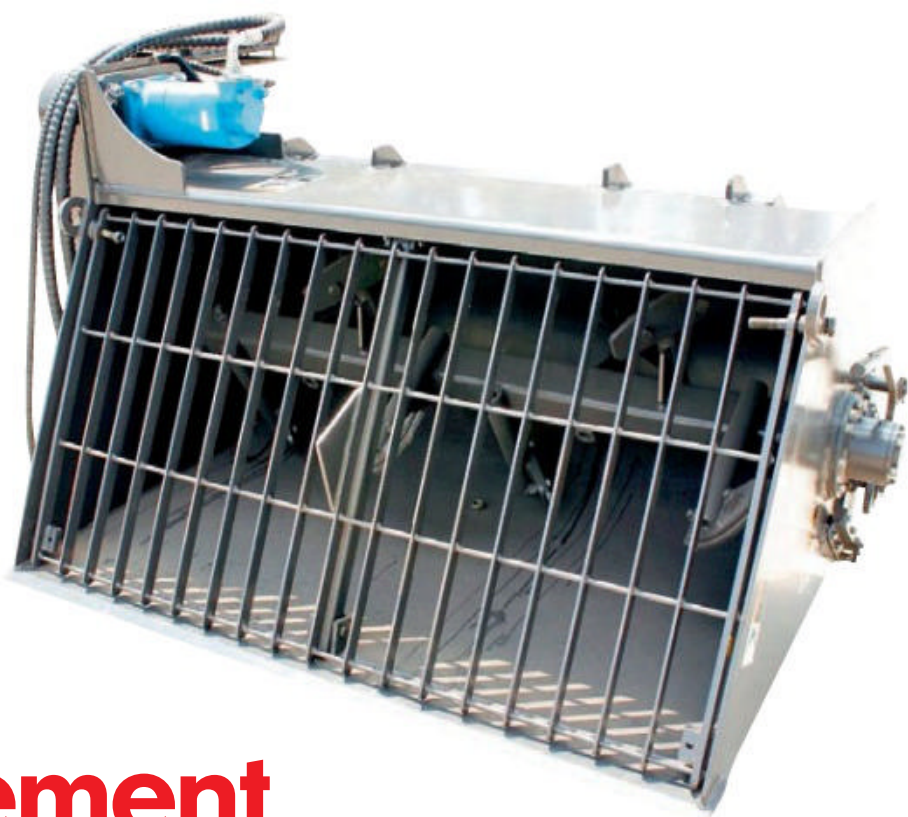
Strong commodity prices underpin solid sentiment among sheep producers with almost one third surveyed expecting conditions to keep improving over the next 12 months. Investment intentions in the sheep sector have reached one of the highest levels in more than a decade.

Most dairy producers surveyed expected a continuation of current good seasonal and market conditions, with an abundance of feed and water security helping to lock in high levels of positive sentiment in the sector.

Australian farmers were shown to have slightly revised down expectations about their gross farm incomes over the coming year, although income expectations remained at healthy levels. The survey found 41 per cent of farmers forecast their farm incomes to increase this year, while 42 per cent expect incomes to stay the same and 15 per cent expect a decrease.

The survey found 40 per cent of the country’s farmers intend to increase investment in their farm businesses over the coming year. **fm**

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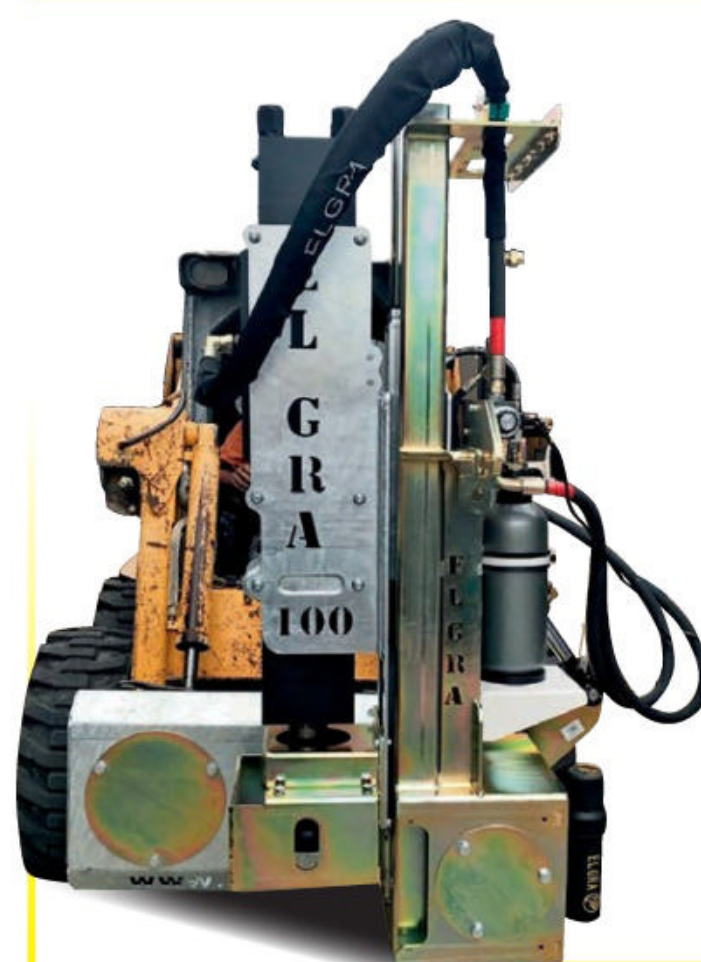


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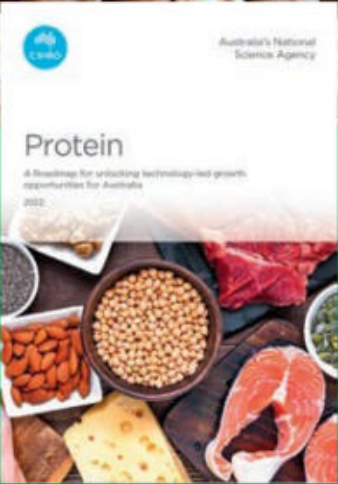
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Australia could turn plant-protein commodities, like chickpeas, into higher value ingredients onshore.
 Image courtesy CSIRO

The Protein report



PROTEIN

Protein shake

Australia’s protein markets have the potential to bulk up, according to a new CSIRO study

The CSIRO predicts there’s a \$13 billion dollar opportunity in meats and other protein products that Australia could tap into – and has released a roadmap of how to get there.

The report *Protein: A Roadmap for Unlocking Technology-led Growth Opportunities for Australia* says that harnessing additional opportunities could take the total value of Australia’s protein sector from its anticipated \$76 billion by 2030 to \$89 billion instead.

AgriFutures predicts the total demand for Australian protein products will reach 65 million tonnes by 2030, up 8.65 million tonnes on the 2018 result, with about 10.47 million more consumers to feed.

If fully realised, the industry could employ another 10,000 people by that time, CSIRO says.

Food and Agribusiness Growth Centre’s managing director Mirjana Prica says the high global demand for protein represents a significant export opportunity for Australia.

“Building domestic capacity and infrastructure to not only tap, but to build scale, for the plethora of protein opportunities is critical if we are to switch from importing ingredients to producing our own domestically,” Prica says.

Expanding Australian red meat exports will form an important part of this plan, the report says, with product integrity systems such as supply chain traceability and compliance with trading partner regulations playing a key role.

However, more spending on infrastructure and research and development would also be important for developing higher-protein and better tasting legume crops and new protein plant products.

Also important will be creating new sources of income, such as turning lesser cuts of red meat into value-added protein powders and nutraceuticals, and using insect proteins for both food and stock feed.

The report also considers exploring non-traditional forms of protein such as cultivated meats and the development of a new sustainable Australian industry for white fleshed fish.

CSIRO chief executive Dr Larry Marshall says Australia’s strong history and global reputation in agriculture and food present a big opportunity for future growth.

“As protein demand grows and new consumer trends emerge, solutions from science can help create new markets and complement our existing, globally competitive traditional markets,” he says.

“This will help shift Australia’s reputation from being the world’s food bowl of commodities to becoming a global delicatessen of unique higher value exports.”



PROTEIN

Plant power

A new research collaboration between CSIRO, GrainCorp and v2food will build Australian manufacturing expertise for producing higher value plant protein ingredients

GrainCorp has partnered with Australia’s national science agency CSIRO and plant-based food producer v2food on a \$4.4 million research project focused on plant-based protein.

The partnership will work towards building Australian processing and manufacturing expertise to reduce reliance on imported ingredients and to add more value to grains and oilseeds so they can be used in new products. Australia is the world’s second largest exporter of canola seed, with GrainCorp keen to build domestic manufacturing and supply chains for plant-based protein ingredients as a major exporter.

GrainCorp received the funding from the Australian government’s Cooperative Research Centres Projects (CRC-P) Program, to separate and manufacture proteins from canola, soy and fava beans and chickpeas at commercial volumes.

GrainCorp managing director and CEO Robert Spurway says the partners will identify infrastructure needs for commercialisation and put Australian grains and oilseeds growers at the forefront of the world’s plant protein market.

“Global consumer trends are driving demand for plant protein and it represents an attractive opportunity for Australian agriculture,” he says.

“We are well placed to participate in the plant protein boom and we are confident the sector can comfortably co-exist, and indeed flourish, alongside our essential animal protein industry.

“Our partnership aims to create a commercial plant protein supply chain that benefits Aussie growers and food and aquafeed manufacturers, as well as consumers.

“We’ll be able to access new export markets and meet growing domestic demand while creating jobs and informing future research and development into high-quality plant varieties.”

The partnership will look into opportunities for the expansion of plant protein options, including soy

A key focus of the collaboration will be adding value to existing plant protein capabilities at GrainCorp’s oilseed processing site in Numurkah, Victoria.

CSIRO will bring its expertise in science, food technology, agronomy and genetics to the collaboration.

Professor Michelle Colgrave, who specialises in proteins research and leads the CSIRO Future Protein Mission, says the collective research power of the three organisations will push faster outcomes for Australia.

“We grow many plant crops in Australia but typically export these as commodities. If we can add value through product development, research and processing, we can export them at a higher price,” Colgrave says.

“The project will be a game changer for Australian food manufacturers, including small-to-medium enterprises that can leverage our research to deliver new products for consumers.”

v2food CEO Nick Hazell says the research supported a thriving Australian agricultural and value-added manufacturing sector.

“It is important for the sector to operate at scale, and with end-to-end domestic capability, which will create resilience and boost global competitiveness,” he says.

“We are assessing options across the plant protein spectrum, including in soy protein, to potentially replace imported soy protein concentrate with locally produced production and processing.”

The research project is expected to culminate in 2023 following a staged approach to process development, pilot scale protein fractionation, sensory evaluation and product application.

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The WaterSmart program aims to help farmers improve their resilience to climate change

CLIMATE RESILIENCE

Cash flow

WA government expands funding for WaterSmart Farms program

The Western Australian government's WaterSmart Farms program has been allocated another \$4 million to help Western Australian farmers manage the impacts of climate change. In February 2021, it allocated an initial \$1.5 million funding injection to get phase one of the WaterSmart Farms program underway. Phase one focuses on on-farm desalination in agricultural regions to process brackish groundwater for agricultural use, as well as improving on-farm dams and catchments to provide water in dry periods. The project will now expand with an additional \$4 million in funding, with \$1 million from the WA government's Agriculture Climate Resilience Fund and \$2.99 million from the Commonwealth government's Drought Resilience Innovation Grants. Phase two - WaterSmart Dams - will be led by the Grower Group Alliance in partnership with the Department of Primary Industries and Regional Development, Compass Agricultural Alliance, Southern Dirt, Merredin and Districts Farm Improvement Group and the Fitzgerald Biosphere Group, together with The University of Western Australia. The research will explore solutions to improve existing dams and develop new options to capture and store water during prolonged periods of low rainfall. "Climate change is making farming more and more difficult in WA, with conditions getting hotter and drier year-on-year," Agriculture and Food Minister Alannah MacTiernan says. "Our WaterSmart Farms program is about encouraging on-farm initiatives that build climate resilience, helping farmers to take the steps they need to manage climate impacts. "The McGowan government's \$15 million Agriculture Climate Resilience Fund is already paying dividends for WA growers, helping us to secure co-investment to back local programs that support farmers. "It is just one part of our government's commitment to helping farmers build resilience, alongside the \$15 million Carbon Farming and Land Restoration Program and the Southern Rangelands Revitalisation Program." 



GOATMEAT

^
Goat could gain in popularity in Australia as a lean protein option

Niche market

Australian goatmeat production and exports shows growth

Meat & Livestock Australia (MLA) has released its Global Goatmeat Snapshot for 2022, which shows that despite Australia being a minor goatmeat producer, there are growth opportunities in both the export and domestic markets. MLA says that Australian goat production has rebounded after several years of adverse environmental conditions impacting supply volumes, with an expansion in the herd size leading to increased production. 2021 saw an end to the downward trend in slaughter, with increased production also leading to heavier animals. Although Australia is a minor goatmeat producer in the global context, it's the world's top exporter, with annual export unit prices increasing to record highs. Australia exports the largest amount of its goatmeat to the US, accounting for 66 per cent of exports by volume in 2021 at 12,589 tonnes. This is followed by South Korea, Taiwan, Canada and Trinidad and Tobago. Mexico and New Zealand have been increasing their goatmeat export volumes to the US, though Australia was the dominant player, supplying 85 per cent of US imported goatmeat in 2021. Australian exports to Korea increased by 94 per cent in 2021 to reach 2,128 tonnes, driven by population demographic changes and associations with health, while Australia supplies almost all of Taiwan's goatmeat imports, mainly as frozen skin-on carcasses. Trinidad and Tobago is Australia's largest trading partner in the Caribbean, taking about 2.5 per cent of Australian goatmeat exports. Regarding live exports, this grew by 43 per cent

in 2021 after several years of decline, with Malaysia being the largest Australian export market for live goats. This was driven by the popularity of goatmeat in religious celebrations and the recovery of wet market supply chains to pre-pandemic levels. In Australia, goatmeat remains a niche protein with relatively low consumer awareness, says MLA, with limited availability in major retail and food service channels. Only around nine per cent of Australian goatmeat produced is consumed in this country. MLA found that more frequent goat meat buyers tend to be younger, affluent consumers looking for novelty, variety, healthiness and product raised with high animal welfare standards, as well as more likely to be from cultural backgrounds that have traditional dishes featuring goat. Goatmeat buyers are also twice as likely to have also bought lamb in the past month, with goatmeat in some groups being seen as interchangeable with lamb or mutton as a protein choice. The unavailability in shops is cited as being the main barrier to consumers buying goatmeat. However, MLA says that there are opportunities to increase goatmeat consumption in Australia by using drivers that have been successful in increasing consumption of other niche proteins such as turkey, kangaroo and duck. These include: encouraging consumers to make a special dish at home by providing them with information and inspiration; highlighting the global food culture of eating goatmeat in cuisines such as South Asian and Middle Eastern; the seasonal suitability of goatmeat as a winter dish; and the health associations of it being a lean meat. 

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▲
Dr Stephanie Kerr

RESEARCH

Fruit of knowledge

A Queensland researcher will look into ways to get mango and macadamia trees to produce more quickly, after winning two awards recently

Research to increase production of mangoes and macadamias has secured additional funding through the 2022 Science and Innovation awards, coordinated by the Australian Bureau of Agricultural and Resource Economics.

The awards are a series of grants allocated to young scientists, researchers and innovators to fund a research project into a specific section of Australia's agricultural industries.

Tree genomics expert Stephanie Kerr from the Queensland University of Technology's Centre for Agriculture and the Bioeconomy secured two of the prizes, which were handed out in March.

Dr Kerr received a \$22,000 Hort Innovation prize to investigate genetic techniques to speed up flowering of mango and macadamia trees, plus the \$22,000 Minister for Agriculture and Northern Australia's Award to test findings by speed breeding macadamia trees.

Dr Kerr will investigate ways to speed up the development of elite mango and macadamia tree crop cultivars, noting the trees' long juvenile periods mean it takes a long time to develop responses to horticultural challenges, such as pests, disease and climate change.

The first technique will use nanoparticles to introduce molecules that turn off the expression of genes that stop the plant from flowering.

Dr Kerr says new plants will not be genetically modified because influencing gene expression using these techniques did not require changes to genetic code.

The second technique will use micro dermal needling or 'micro wounding' with bacteria to deliver molecules that turn on gene expression for earlier flowering.

"These techniques have been used successfully in other tree crops to reduce the juvenile period of 7-20 years down to several weeks or months," she says.

"There are currently no genetic manipulation techniques available that work with macadamia, and those in older publications for mango breeds have not been used in subsequent research."

Dr Kerr was one of 12 young scientists recognised in the 2022 Science and Innovation Awards - a competitive grants program that provides funding for innovative research projects to benefit Australia's rural industries.

Other projects to receive funding under the awards include building a genomic databank of leafminers, studies into the impact of heat stress on reproduction in sheep, sensing phenols in vineyards and developing a way to provide nutrition to laying hens through additives in their drinking water. **fm**



To understand country

New Wagga Wagga research institute aims to deliver outcomes for farmers and regional communities

Charles Sturt University has launched the Gulbali Institute of Agriculture, Water and Environment, which will focus on areas such as climate change, bushfire, biosecurity and water management.

The Institute's name comes from the Wiradjuri phrase 'Gulbali ngurambang', which translates as 'to understand country'.

The university says it is committed to working with First Nations people in research, education and driving benefits across Australia and globally.

The Institute will generate research to optimise agricultural systems and production, improve the health of freshwater ecosystems and enhance biodiversity conservation.

Charles Sturt vice-chancellor professor Renée Leon says the Gulbali Institute will help the university achieve the research goals it has set as part of its University Strategy 2030.

"The launch of the Gulbali Institute is an important milestone building on our strengths in applied research in agriculture, water and environment," Leon says.

Aside from these fields, the University has also selected regional health, cyber security and data science as targets for strategic investment.

"The launch of the Gulbali Institute is a call to action for champions of regional Australia - researchers, students, and collaborators - to co-design research to solve core challenges in areas such as climate change resilience, bushfires, farm productivity, biosecurity, the wine sector and environmental and water management," Charles Sturt deputy vice-chancellor (research) professor Mark Evans says.

Federal Member for Riverina Michael

▲
Charles Sturt's vice-chancellor's chair of Australian-Indigenous belonging professor Stan Grant Jnr, Chancellor Dr Michele Allan, vice-chancellor professor Renée Leon and deputy vice-chancellor (research) professor Mark Evans.
Image Jack Hearts Studio

McCormack adds that the establishment of the Gulbali Institute demonstrated the federal government's commitment to work with Charles Sturt University to improve outcomes for farmers and the environment.

"Our farmers are the best environmentalists in the world, but we can always look to improve productivity and environmental management through emerging technology and research, combined with traditional knowledge, which is why the Gulbali Institute has been established," McCormack says.

Other Charles Sturt-led partnerships and projects in agriculture, water and environment include:

- the AgriSciences Research and Business Park (AgriPark) in Wagga Wagga
- the Global Digital Farm in Wagga Wagga, which is the country's first 'hands-free' farm
- the \$8 million Southern NSW Drought Resilience Adoption and Innovation Hub, opened at the AgriPark in April 2021
- the \$3.6 million Next Generation Water Engineering Hub. **fm**

Postdoctoral researcher at the Gulbali Institute Dr Saliya Gurusinghe, deputy vice-chancellor (research) professor Mark Evans, vice-chancellor professor Renée Leon and vice-chancellor's chair of Australian-Indigenous belonging professor Stan Grant Jnr. *Image Jack Hearts Studio*





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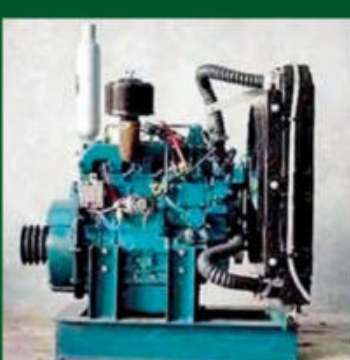
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MAMMUT TL3000 7.5T TELESCOPIC WHEEL LOADER
2022, 3000kg lifting capacity, 7300kg operating weight. Cummins 125HP diesel engine, 4 speed electronic power shift transmission, 40km/h MAX. Standard Bobcat skid steer quick hitch, pilot control, ROPS cabin with air ride seat, A/C, radio and camera, synchronised extraction and lifting system. S5. TA985855.
\$69,900 Inc GST



SUMMIT H20 2 ton 4WD Rough Terrain
50HP diesel engine, constant 4WD, 2000kg capacity, 3300kg operating weight, 2 speed power shift, 2 stage 3.5 meter mast with side shift. S14. TA1101875.
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SUMMIT H30 3 TONNE 4WD ROUGH TERRAIN FORKLIFT
With 2 stage 4 meter mast, 3000kg capacity, 4WD, 4 meter lift height, 2 stage mast with side shift (3 stage 4.5m / 2 stage 4m mast available). 50hp Chinese Perkins Xinchai 498BT diesel motor, 2 speed power shift transmission. A/C ROPS cabin with heater, radio & reverse camera. S7. TA985867.
\$31,900 Inc GST



MAMMUT EXPLORER 4WD ROUGH TERRAIN FORKLIFT
2020, 3500kg capacity, on-demand 4WD, front locking dif, 4.5m lifting height, Japanese Kubota V2403 50HP diesel engine. 3 stage container mast with sideshift, 2280mm overall height. S6. TA985863.
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MAGNUM 275, MAGNUM 290, MAGNUM
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8700, 9000, 9600, 9700,, TW5, TW10,
TW15, TW20, TW25, TW30

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574, 585, 624, 660, 674, 686, 696, 706,
756, 766, 786, 856, 866, 885, 886, 956,
976, 986, 1056, 1066, 1086, 1256, 1466,
1468, 1486, 1566, 1568, 1586, 3288, 3388,
3588, 3688, 3788, 4166, 4186, 4366, 4386,
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4250, 4255, 4430, 4440, 4450, 4455, 4555,
4560, 4620, 4630, 4640, 4650, 4755, 4760,
4840, 4850, 4955, 4960, 5010, 5020, 5310,
5515, 5300, 6030, 6110, 6200, 6220, 6300,
6310, 6320, 6330, 6400, 6410, 6620, 6630
Premium, 6810, 6820, 7210, 7330, 7510,
7520, 7600, 7610, 7700, 7800, 7810, 7920,
7930, 8100, 8200, 8285R, 8300, 8310, 8330,
8345RT, 8370RT, 8400, 8400 TRACK, 8410,
8430, 8360RT, 8440, 8450, 8520, 8520T,
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TJ425, TJ450, TL70, TL90, TM125,
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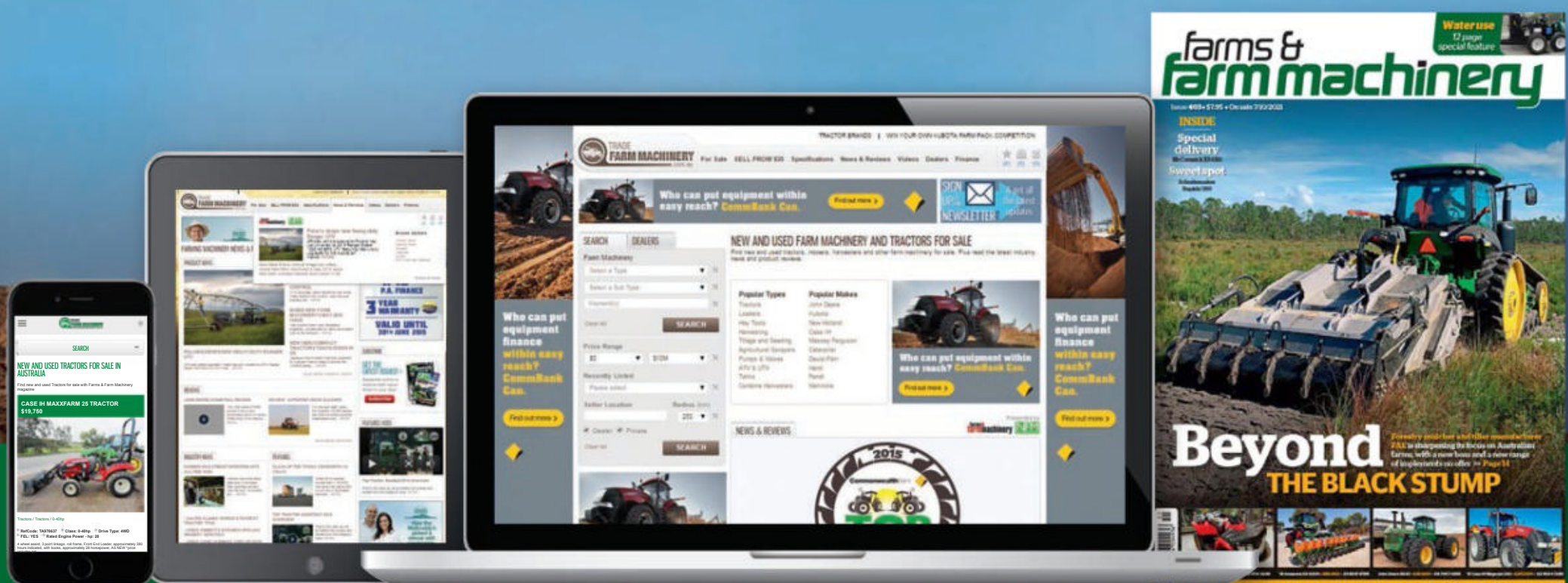
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NEW HOLLAND 313 MOWER CONDITIONER Rubber roller mower conditioner, 4 meter cut. 3 meter chevron rollers, center pull, three point linkage 1000rpm pto. At our Echuca dealership. \$494. TA1102279. **\$37,400**



NEW HOLLAND BC5070 Small square baler, going through workshop, well looked after baler, at our Echuca dealership ring 0354822788. \$498. TA1113308. **\$35,200**



POTTINGER 771A Twin rotor rake, hyd fold & hyd width, well looked after rake, at our Echuca Dealership 0354822788. \$510. TA1124620. **\$27,500**



NEW HOLLAND CR8090 CR 2012, Smarttrax, 1940e & 1264r hrs, optispread chopper, PSD, class 8, Macdon D60 40ft draper front, located at our Echuca Dealership ready to go 0354822788. \$352. TA930781. **\$396,000**



CASE IH RB465 Round baler, 2016 model, 12,234 bales, standard rotor feed, drop floor, been through workshop ready to go at our Echuca dealership, 0354822788. \$496. TA1113300. **\$41,800**



NEW HOLLAND BR7070 6x4 round baler, rotor feed, well presented baler, been well looked after, been thru workshop, at our Echuca dealership 0354822788. \$502. TA1114841. **\$26,400**



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CASE IH STEIGER 600
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CASE IH 8120
Axial flow combine, 2009 model, c/w PRO700 display, Accuguide ready, good condition. 51164. TA1120990. **\$176,000**



CASE IH 4430 PATRIOT
4800Lt, 36m, c/w Aim Command, 2" fill pump, Auto height, Auto section, PRO700, Accuguide complete, 2012 model, 380/90R46 tyres, good condition. 51145. TA1120992. **\$242,000**



FLEXI COIL 5500
Air drill, 60ft, 12" spacing, c/w double sowing kit, 350lb b/out, presswheels. 51097. TA1055134. **\$82,500**



HARDI NAVIGATOR 4030
Boomspray, 4000Lt, 30m, c/w Hardi 5500 monitor, good condition. 51167. TA1128083. **\$38,500**



CASE IH PUMA 180
c/w 3PL, FM750/Ez steer, 2019 model, excellent condition. OBC93. TA1128084. **\$178,750**

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As traded. S559. TA1105539.
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Extremely strong machine
Dalmore forklift. S590.
TA1120455.
\$29,990



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\$9,990



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6 discs/ 2 drums
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3-3.5 ha/h area output.
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\$20,955



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Precision cut fairway mower
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8500 Litre tanks with a 36m FTZ boom
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3 sensor norac auto height
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banjo hydraulic fill
direct chemical suction
520/85R42 tyres
Coming August 2022. 102792.
TA1128058.
\$93,500



CASE IH 8230 W/ 45' CASE 2152 FLEX FRONT
PRO 700 Monitor
Separator Hours- 2100
Eng 12.7l / 516 HP with 4 Speed Trans
45' Case 2152 Flex Draper
Knife Driver Good
Drapes ok, no trailer
Seed terminator with unit if required POA. 102726/102727.
TA1107140.
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CLAAS LEXION 750
2011, C13 cat engine 450hp
high end xevor lights
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600/65 R28 steer tyres
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TA1128097.
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AMAZONE ZAM3000
Amatron 3
4200L
Retro fit HYD drive
OM 24-48 dis urea 36m
Manual hopper cover
transport wheels. 102732. TA1128059.
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HARDI NAVIGATOR 6030
2017, 6000L Tanks
30m TR4 Aluminium Boom with a Pendeze Centre
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Hydraulic Drive Banjo Fresh Water Fill
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MASSEY FERGUSON 2170
2009, 8'9" x 3'9" x 2'9" Bale Size
Tyres 700/50-22 on single axle
Gazeeka moisture meter
GTA Control
41287 Bales
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TA1119602.
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HARDI 6536 COMMANDER
2012, Force FTZ Boom with UC5 Auto Height
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ISO with AG Leader InCommand
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HARDI 5030 COMMANDER
Eagle SPC Boom
364 Pump
4 Section EFC Fluid System
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CONNOR SHEA 18 ROW DISC SUPER SEEDER (TRAILING) with rear bag loading platform, exceptional condition, no rust in boxes, ready to go. 6948. TA1085303.



NOBILI RM180 FLAIL MOWER/MULCHER (08) 8323 8795 2 meter cut, 3 point linkage, very good order. 7079. TA1128423.



JOHN DEERE 5065M TRACTOR (PH: 08-8323 8795) Tractor, year approx. 2011, 4 wheel drive, diesel, serial no: TLV5065MPBJ3472255, engine no: 347255, approx 4,493 hours indicated, 3 point linkage, air conditioning, enclosed cab, radio/cd, UHF/VHF, ROPS, approx 65 horsepower. (PRICE INCLUDES FRONT END LOADER FITTED). 6754. TA1037949.



MASSEY FERGUSON 240 TRACTOR (PH: 08-8323 8795) 2 wheel drive, new tyres all round, extra hydraulic pump, power steering, 45 horsepower approximately, new roof. 6893. TA1070342.

COMING IN
MASSEY FERGUSON 20 TRACTOR, FRONT
END LOADER, P/STEER
KUBOTA B8200, 4X4, ROPS
JOHN DEERE 6310 CAB TRACTOR, FRONT
END LOADER
JOHN DEERE 1640 TRACTOR, 4WD, ROPS,
FRONT END LOADER



KUBOTA M90 TRACTOR (08-8323 8795) 4 wheel drive, air conditioned cab, approximately 90 horsepower, good condition, ready to go. 7046. TA1116944.



VERMEER V3550A CHAIN TRENCHER (PH: 08 8323 8795) twin cylinder Deutz, vin no: 1VHS072P8V1000390, diesel, front blade & rear chain, approximately 614 hours indicated, tyres excellent, unit in excellent condition, ex government. 6818. TA1044539.



DAEDONG D901C TRACTOR (08) 8323 8795 approximately 5,400 hours showing, air conditioned cab, 4 cylinder turbo diesel, Front End Loader, forks & bucket, 3 point linkage, 90 horsepower (VET TO BE DETAILED, NEW SEAT, ETC)



NEW HOLLAND LM732 TELEHANDLER (PH: 08-8323 8795) year approx. 2014, 4 cylinder diesel, serial no: FJHNL732NBHK73040, engine no: 110271238, approx 3,740 hours indicated, power shift, with boom, quick hitch, fork tyre attachment, hydraulic provisions, X16, rollers, LED tail lights, lifting points. 6798. TA1041056.



WIEDENMANN TERRA SPIKE XP8 DEEP AERATOR ATTACHMENT Fergusson 148 Tractor, 2 wheel drive, 8 speed, roll frame & roof, 45 horsepower approximately, as new tyres all round, mechanically excellent, ready to go. 6899. TA1071758.



PLUS 3 MORE MASSEY
FERGUSON 135 CYCL DIESEL

MASSEY FERGUSON 148 TRACTOR (PH: 08-8323 8795) Massey Fergusson 148 Tractor, 2 wheel drive, 8 speed, roll frame & roof, 45 horsepower approximately, as new tyres all round, mechanically excellent, ready to go. 6899. TA1071758.



MASSEY FERGUSON 4245 TRACTOR (PH: 08 8323 8795) tractor, 4 wheel drive, self levelling front end loader, forks & bucket, air conditioned cab, approximately 3,800 hours indicated, tyres 80%, 85 horsepower approximately, 3 point linkage, 4 rear hydraulic remotes on rear, excellent condition. 6971. TA1095032.



FORD 3600 TRACTOR (08-8323 8795) 2 wheel drive, full cab, 3 point linkage, PTO, power steering, approximately 50 horsepower, ready to go. 7044. TA1116941.



KIOTI DK551 TRACTOR (08) 8323 8795 4 wheel drive, year approx. 2010, 4 speed manual, 299 hours indicated, serial no: LA1100044, 3 point linkage, PTO, ROPS & roof. 7064. TA1121635.



JOHN DEERE Z910A ZERO TURN RIDE ON MOWER PH: 08 8323 8795 serial no: 1TC910A/VLC7030688, engine no: FX651VA195005, fitted with bucket, approximately 578 hours indicated, beacon light, unit in excellent condition. 7028. TA1113807.



CASE IH 495 TRACTOR (08) 8323 8795 2 wheel drive, air conditioned with bucket, approximately 4,500 hours, yet to go through workshop. 7063. TA1121633.



WILL SEPARATE FORK
ATTACHMENT

MASSEY FERGUSON 240 TRACTOR WITH FRONT MOUNT FORKLIFT (PH: 08-8323 8795) tractor with front mounted forklift, 2 wheel drive, 3 point linkage, power steering, tyres excellent all round, 45 horsepower approximately, mechanically good, been through workshop & ready to go. 6922. TA1076997.



KUBOTA B3150 TRACTOR, 4 WHEEL ASSIST (08-8323 8795) 4 underdeck mower. 7042. TA1116935.



HOWARD CONDOR PLM 350 WINGED FOLDING MOWER GALVANISED .. 6949. TA1086715.



JOHN DEERE 5525 PWA TRACTOR (08) 8323 8795 2005-2008, 4 wheel drive, ROPS & Roof, 91 horsepower approximately, PTO, with front weight frame (no weights) approximately 1,900 hours indicated 2 OF - \$42,000 EACH INCL GST. Serial No: LV5525R256168, Serial No: LV5525R256030 (YET TO BE DETAILED). 7073. TA1129206.



NEW HOLLAND T4050 TRACTOR (PH: 08-8323 8795) 4 wheel drive, year approx. 2013, air con cab, 1 owner, tyres 75% all round, 97 horsepower approximately, excellent condition throughout. 6838. TA1050651.



KUBOTA K008-3 MINI EXCAVATOR (08) 8323 8795 year approx. 2015, serial no: 4EWH899, product identification no: JKUK0081J01H40940, 1,800 hours approximately, 4 cylinder diesel, 2 X buckets- 450mm GP, 900mm tilting mud bucket, ripper, rubber tracks, good tight machine, ready to go. 7062. TA121629.



SICMA TSD/170 SHREDDER/FLAIL/SLASHER MOWER with front feeder, shaft, etc. 170 cut, ideal for mulching vineyard canes. 6970. TA1094333.



DITCH WITCH 8020 CHAIN TRENCHER (PH: 08-8323 8795) 4 cylinder diesel, serial no: 5J0190, approximately 1,500 hours showing, fitted with back fill blade, auxiliary hydraulics, counter weights, open cabin, pneumatic tyres, ROPS, 80 horsepower approximately, John Deere motor, 4 wheel steer, front cable reel holder, ready to work. 6727. TA1017219.



NOBLET & FORREST SD175 TRAILER MOUNTED AIR COMPRESSOR serial no: 175321, powered by Isuzu motor, with trailer, very little work. 7018. TA1103530.



CHRIS GROW 8' CUT SLASHER (08-8323 8795) heavy duty, twin blades, heavy duty drive shaft, double clutch, primed & painted. 7048. TA1117833.

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MANITOU MLT735 2008 model 120 hp, 7 mtr 3.5 ton capacity, 6 x 3 power shift, 40 kph, JSM joystick. HC2005. TA1097688. **\$85,000**



JOHN DEERE PLANTER 1770 Precision planter, isobus, section control, front couler discs. 3.5m transport. HC2006. TA1050087. **\$58,000**



BOBCAT TL470 Telehandler with bucket & spare hooks. HC2139. TA1121380. **\$60,000**



AMAZONE ZAM 1501 spreader with 2 extensions, cover, mudguards, 24-36 metre disc, manual setting. HC2225. TA1127336. **\$7,700**



HARDI COMMANDER 5000 2015. 30m eagle boom. Hydraulic drive pump, axle suspension, chem induction. HC 5500 controller. HW508. TA1124461. **\$49,000**



TAEGLER AS600 Tyne drill 6mtr working width. Comes with 6mt double roller. B27. TA1121397. **\$121,000**



VADERSTAD 400S RAPID 7400 Hectares, 5" spacings, 4m working width. Seed & fertiliser. Good condition. HW398. TA1072932. **\$99,000**



SEEDHAWK SH 915 2009, seeder bar SH915, 35ft sowing width 40 openers @ 10" spacing, 9mtr working width, unit in good condition, older bar but current model layout. HC2233. TA1126589. **\$121,000**



CLAAS ARION 630 CIS Hexashift in excellent condition with low hours. HW485. TA1127974. **\$88,000**



WELGER RP545 4 x 6, net rotor cut. Serviced ready to go. 1763.50.453. TA998754. **\$41,000**



MCHALE FUSION VARIO 3 combi wrapper, only 8500 bales, 2 seasons old. HC2160. TA1101894. **\$170,500**



CLAAS DISCO 3600FC FC front mower / conditioner. 3.4m working width. HW484. TA1106864. **\$12,000**



KUHN FC3525DF-FF 2020, front linkage mower conditioner hammer flail conditioning, 8 disc 3.5 mtr working width. Little use, upgrade to roller system. HC2184. TA1124506. **\$33,000**



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SEED HAWK 30' 2014, 30' @ 10", John Deere 1910H, 3 bin trailed cart, conveyor. AS1606. TA1127777. \$163,900



MORRIS CONCEPT 2000 2002, Concept, 35' @ 9", 7130 trailed 2 bin, ssb, auger, p/wheels. AS1248. TA509568. \$86,900



SIMPLICITY 4000DTR 1991, 5700 Litre, 2 bin, tow behind. AS1382. TA984613. \$20,900



DIECI DEDALUS 28.7 2005, Poultry Pro, hydro, aircond', 6.3 metre x 2.8 tonne, 3676 hours. AS1477. TA970216. \$65,450



JANKE F400 UDD PLANTER 1997, 40' @ 12", seeding kit. AS1389. TA854056. \$60,500



NEW HOLLAND SC180 1998, 180 bushel / 6343 Litre, 2 bin, castor quad, auger. AS1355. TA739946. \$53,900



JOHN SHEARER 2175 1992, (Eeeze On), 5 tonne 2 bin trailed trike, SSB, auger. AS1178. TA357690. \$16,500



EZEE-ON 3550 2003, 40' @ 10". AS822. TADPLin107338. \$53,900

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IHC 3588 Snoopy, 167hp, 4800hrs
JCB 155-65 FASTRAC, 150hp, 3PL, 5500hrs
JCB 155-65 FASTRAC, 150hp, 3PL, 7300hrs
JCB 155-65 FASTRAC, 150hp, 3PL, 8000hrs
JCB 185-65 FASTRAC, 185hp, 3PL, 4900hrs
JCB 185-65 FASTRAC, 185hp, 8000hrs
JCB 3185-65 FASTRAC, 185hp, 3PL, 8700hrs
JCB 3220-65 FASTRAC, 220hp, 3M Track, 3PL, 6990hrs
JCB 3220-80 FASTRAC/SPREADER, 220hp, 11200hrs
JCB 3230-65 FASTRAC/SPREADER, 230hp, 5825hrs
JCB 3230-80 FASTRAC/SPREADER, 230hp, 11000hrs

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IHC 5088, 150hp, 4750hrs

FWA TRACTORS

CASE IH MX170, 161hp, Fr & Rr 3PL – pto, 9500hrs
CASE IH MX200, 200hp, 3PL, 8750hrs
FORD 6640SLE, 85hp, 3PL, 5100hrs
FORD 7710, 100hp, 3PL, 8650hrs
JOHN DEERE 6210 / FEL, 90hp, 3PL, 6700hrs

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BLIGHTY ENG' 30' Rubber tyre Roller
BROONS Combination Roller
BURDER 9000 FEL Kit – JCB 8250
CASE 480E Loader, a/c, 10000hrs
CASE 580E Backhoe Loader
CIH MX 460/85R42 dual kit (80% tyres)

JCB 3CX-2WD Backhoe Loader 7900hrs
JCB 3CX-2WD Backhoe Loader, 12745hrs
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JCB 8025ZTS Excavator, 2.6T, 705hrs, Plant Trailer
JD H480 FEL Kit – 7000 Series
KOMATSU PC78MR-6 Excavator, 7T, 3600hrs
KOMATSU WA300-3E Wheeled Loader, 16000hrs
SIMPLICITY Small Seeds Box suit 8200TB3
VICTORY VL200 Wheeled Loader, 1385hrs
WCM 30 Wheeled Loader, 2800hrs

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CONNOR SHEA 14 Row Pasture Drill, coulters, roller

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HORWOOD 20' Scaribar, 10.5"
HORWOOD 36' Scaribar, 12", p/wheels
JANKE F500 UDD Planter, 40'@12", coulters, p/wheels
JANKE F400 UDD Planter, 50'@12", bdg, p/wheels
JOHN DEERE 735, 40'@10", p/wheels
SIMPLICITY 305 ALLROUNDER, 12M@250mm, p/wheels
SIMPLICITY 305 ALLROUNDER, 46'@12"

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BOSS 12M TX65C / SIMPLICITY 12000TQX2, 250mm, p/wheels, SSB, auger
FLEXICOIL 2640, 3 bin, trailed quad, auger
SIMPLICITY 2500DTR
SIMPLICITY 4000TB

SIMPLICITY 4000DTR
SIMPLICITY 6000TR2
SIMPLICITY 9000TQC2, SSB, auger
SIMPLICITY 9000TQC2, 2M, SSB
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JCB 525-67FS, a/c, 7000hrs, 6.7m x 2.5t
JCB 526-55, a/c, 10675hrs, 5.5m x 2.6t
JCB 527-58 AGRI, a/c, 1800hrs, 5.8m x 2.7t
JCB 527-58 AGRI, a/c, 2950hrs, 5.8m x 2.7t
JCB 527-58 AGRI, a/c, 5650hrs, 5.8m x 2.7t
JCB 527-58 AGRI, a/c, 6775hrs, 5.8m x 2.7t
JCB 527-58 T4i AGRI PLUS, a/c, 1000hrs, 5.8m x 2.7t
JCB 527-58 T4i AGRI PLUS, a/c, 2525hrs, 5.8m x 2.7t
JCB 530-70, a/c, 6000hrs, 7m x 3t
JCB 530-70, a/c, 6200hrs, 7m x 3t
JCB 530-70FS, a/c, srs, 3000hrs, 7m x 3t
JCB 530-70FS, a/c, 6250hrs, 7m x 3t
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JCB 530-70FS, a/c, srs 7000hrs, 7m x 3t
JCB 530-70FS, a/c, srs, 10000hrs, 7m x 3t
JCB 530-70FS SUPER, a/c, srs, 5500hrs, 7m x 3t
JCB 530-70FS SUPER, a/c, srs, 6000hrs, 7m x 3t
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JCB 531-70 AGRI, a/c, srs, 6300hrs, 7m x 3.1t
JCB 531-70 AGRI SUPER, a/c, srs, 4770hrs, 7m x 3.1t
JCB 531-70 AGRI SUPER, a/c, srs, 5850hrs, 7m x 3.1t
JCB 531-70 AGRI SUPER, a/c, srs, 6000hrs, 7m x 3.1t
JCB 531-70 AGRI SUPER, a/c, srs, 6940hrs, 7m x 3.1t
JCB 531-70 AGRI SUPER, a/c, srs, 7000hrs, 7m x 3.1t
JCB 531-70 AGRI SUPER, a/c, srs, 7100hrs, 7m x 3.1t
JCB 531-70 AGRI SUPER, a/c, srs, 7160hrs, 7m x 3.1t
JCB 531-70 AGRI SUPER, a/c, srs, 7200hrs, 7m x 3.1t
JCB 531-70 AGRI SUPER, a/c, srs, 9800hrs, 7m x 3.1t
JCB 531-70 T4i AGRI SUPER, a/c, srs, 900hrs, 7m x 3.1t
JCB 531-70 T4i AGRI SUPER, a/c, srs, 4750hrs, 7m x 3.1t
JCB 531-70 T4i AGRI SUPER, a/c, srs, 7200hrs, 7m x 3.1t
JCB 535-95, a/c, 4500hrs, 9.5m x 3.5t
JCB 535-95C, a/c, 3850hrs, 9.5m x 3.5t

JCB 535-95 AGRI SUPER, a/c, srs, 6700hrs, 9.5m x 3.5t
JCB 536-70 T4i AGRI SUPER, a/c, srs, 6240hrs, 7m x 3.6t
JCB 540-70FS SUPER, a/c, srs, 2000hrs, 7m x 4t
JCB 540-70FS SUPER, a/c, srs, 6300hrs, 7m x 4t
JCB 541-70 AGRI SUPER, a/c, srs, 3050hrs, 7m x 4.1t
JCB 541-70 AGRI SUPER, a/c, srs, 3625hrs, 7m x 4.1t
JCB 541-70 AGRI SUPER, a/c, srs, 4200hrs, 7m x 4.1t
JCB 541-70 AGRI SUPER, a/c, srs, 4725hrs, 7m x 4.1t
JCB 541-70 AGRI SUPER, a/c, srs, 5200hrs, 7m x 4.1t
JCB 541-70 AGRI SUPER, a/c, srs, 5700hrs, 7m x 4.1t
JCB 541-70 AGRI SUPER, a/c, srs, 6100hrs, 7m x 4.1t
JCB 541-70 AGRI SUPER, a/c, srs, 7250hrs, 7m x 4.1t
JCB 541-70 AGRI SUPER, a/c, srs, 8100hrs, 7m x 4.1t
JCB 541-70 AGRI SUPER, a/c, srs, 8900hrs, 7m x 4.1t
JCB 541-70 T4i AGRI SUPER, a/c, srs, 3900hrs, 7m x 4.1t
JCB 550-80 AGRI PLUS, a/c, srs, 2250hrs, 8m x 5t
JCB TM320S TELEMMASTER, a/c, srs, 2500hrs, 5.2m x 3.2t
JLG 4013, a/c, 7700hrs, 13m x 4t
MANITOU MVT628T, 4400hrs, 6.8m x 2.8t
MANITOU MT728-4, 7800hrs, 7m x 2.8t
MANITOU MLT731, a/c, 4200hrs, 7m x 3.1t
MANITOU MLT731, a/c, 6000hrs, 7m x 3.1t
MANITOU MT732, a/c, 4300hrs, 7m x 3.2t
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Front feed, Single or double axle, optional rear spinners
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Price from \$12,900 + GST



FIMAKS 18 TONE , TWIN VERTICLE BEATER , MULCH / MUCK SPREADERS

2022, Buy Direct from the importer and save ! From 5 tone to 30 tone, heavy Duty conveyor chain, slurry door, in cab controls, twin vertical beaters with bottom spinner, suitable for all your hard to spread products etc Wet cow manure, mulch, green waste etc, 18 TONE MACHINE (AS PICTURED). S373. TA1025543.

From \$69,000 + GST

For more info please visit us at www.sammut.com.au



FORD FRONT END LOADER genuine front end loader, automatic, used for one year 2021, ?. SA. DIY1126337. 0419 303 202. \$12,000



JOHN DEERE 5080 GF one owner operator from new, always serviced, S20S20. SA. DIY1126573. 0408 499 287. \$48,000



SILVAN D209P - 165SEGL 1996, sprayer in very good condition. Fully serviced and only used 3 times per year, 2000L900AP165EO. NSW. DIY1115765. 0410 341 131. \$6,600



MASSEY FERGUSON 38 cultivator with crumble roller 19 tine reverse end of tine not used very little use good condition, na. SA. DIY1127348. 0415 350 321. \$3,500 ono



SUMMUT MANURE SPREADER 2018 used 4 times, good condition, 8 ton, 0000. QLD. DIY1126481. 0438 473 035. \$40,000



JADAN JADSBG15 2018, ideal for any farmer, contractor or produce store handling up to 15 small square bales, G20181324. VIC. DIY1124350. 0413 309 285. \$6,500



RONALDSON TIPPETT 18.30 SUPER DRIVE TRACTOR 1926, vintage 1926 tractor, fully restored and in excellent condition, 119. QLD. DIY1127690. 0417 310 353. \$20,500 no GST



AGROWFLOW CL HYD disc seeder with 21 disc unit fitted on front, 040802. VIC. DIY1127831. 0427 403 599. \$33,000



TAYLOR WAY 24 DISC PLOUGH 351 series 24 disc plough with roller baskets. 3 years old but had very little use. Stored undercover. Discs have very little wear. Can help with transport, 351 F 44 99 24CO Y. NSW. DIY1126736. 0447 464 479. \$23,000



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farms & farm machinery

RESEARCH • COMPARE • BUY • SELL

AUSTRALIA'S #1

FARM MACHINERY MARKETPLACE*

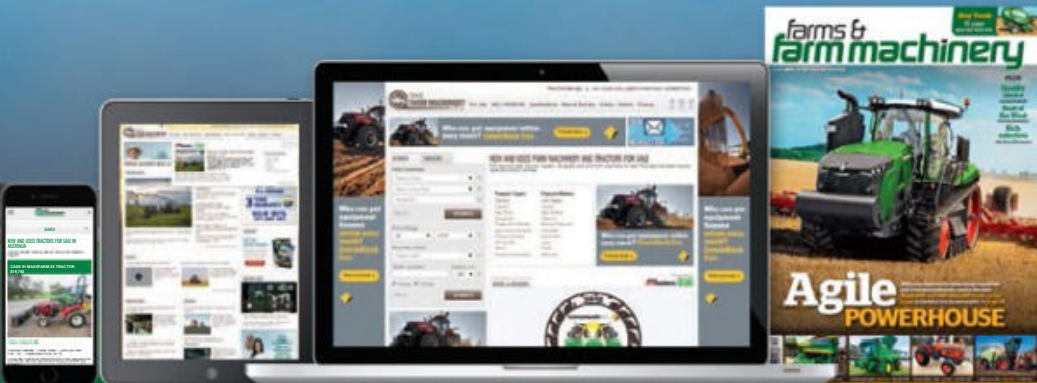
BUY

More than 31,000 tractors, spreaders, harvesters, hay tools, feeders, sprayers, trailers, and attachments, and other parts and accessories currently listed for sale

SELL

Unlimited stock listings on TradeFarmMachinery.com.au for just \$360 per month

www.TradeFarmMachinery.com.au



* Based on stock items for sale as at September 2021

Hot DEALS

Scan the QR Code with your phone camera to find out more about these Hot Deals!



**Just
\$22,000!**

Scan to view:



or call
08 6336 7780

2004 John Deere 5320

380 engine hours - 64 HP - 540 rear PTO. Location - Northam, WA.



**Just
\$275,000!**

Scan to view:



or call
08 6336 7780

2015 Rogator R 1300B

SP Sprayer - 120' boom @ 20" spacings. Raven Viper Pro 4. Triple X nozzle bodies. 60L scud tank, 800L fresh water tank, 6000L solution tank.



**Just
\$220,000!**

Scan to view:



or call
08 6336 7780

2017 Bourgault 3320

60' @ 10" spacings - 5.4" press wheels - hydraulic coulters - Raycol heads with John Deere primary hose blockage monitor kit. Location - Carnamah, WA.



**Just
\$33,000!**

Scan to view:



or call
08 6336 7780

2009 John Deere 630R

30' rigid platform - trailer included. Location - Cunderdin, WA.



**Just
\$27,500!**

Scan to view:



or call
08 6336 7780

2005 John Deere 930D

Draper platform - top Auger - transport kit. Trailer not included. Location - Cunderdin, WA.



**Just
\$22,000!**

Scan to view:



or call
08 6336 7780

2004 Morris Contour

Width: 40. Spacing: 12". Shoot: double shoot.



**Just
\$72,600!**

Scan to view:



or call
08 6336 7780

2016 John Deere 990

Mega wide pickup - 4 feet bale width - 540 PTO - 23000 bale count. Location - Albany, WA.



**Just
\$77,000!**

Scan to view:



or call
08 6336 7780

2000 Bourgault 8810

60' @ 12" Spacings - Single Shoot. For sale OBC. Location: Esperance, WA.

Please note that prices and details are indicative only, and items for sale may have changed. Please use the contact details on each item to find out more.

Hot DEALS

Scan the QR Code with your phone camera to find out more about these Hot Deals!



2016 Kuhn FC3560TCR
Location - Boyup Brook, WA.

Just \$42,350!

Scan to view:



or call
08 6336 7780



2017 John Deere L340
Features: auto greaser, good tyres, led lights, tandem axle.

Just \$96,800!

Scan to view:



or call
08 6336 7780



2015 Rogator R 1300B
SP sprayer. 120' boom @ 20" spacings. Raven Viper Pro 4 triple X nozzle bodies. 60L scud tank, 800L fresh water tank, 6000L solution tank.

Just \$275,000!

Scan to view:



or call
08 6336 7780



Zurn Raps-Profi II
635R extension suits platform size: 35 feet, platform kind: rigid. Selling due to changing fronts to 40ft next season.

Just \$26,400!

Scan to view:



or call
08 6336 7780



2018 John Deere S790
1243 engine hours. For sale OBC. Location: Esperance, WA. Combine type: small grain. Axle: 2WD. Duals/singles: Tracks. Chopper/spreader: chopper.

Just \$649,000!

Scan to view:



or call
08 6336 7780



2014 John Deere 640D Comb Trailer
For sale OBC.

Just \$11,000!

Scan to view:



or call
08 6336 7780



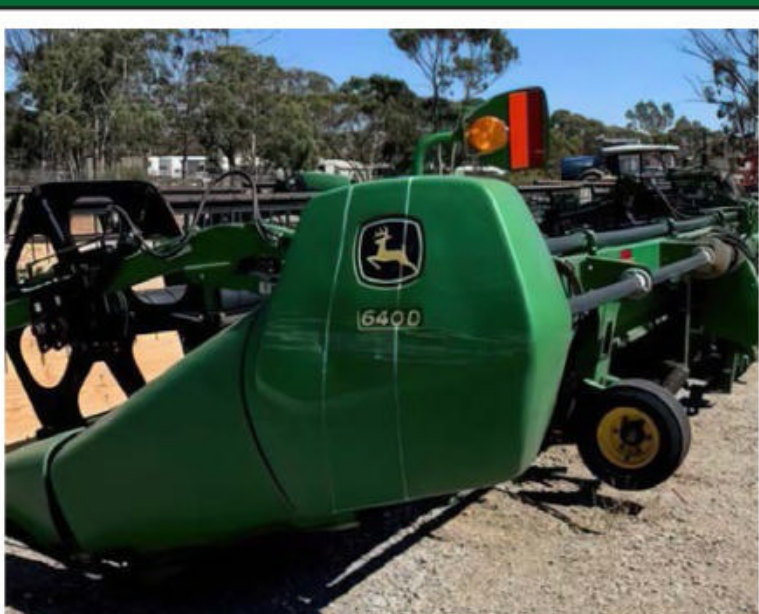
2012 Kuhn VB2190
PTO drive speed 540, bale width 1200 mm, max bale diameter 1800 mm, rear tyre cond 60%. External colour: orange.

Just \$27,500!

Scan to view:



or call
08 6336 7780



2013 John Deere 640D
Features: Draper for use on combine only, Poly tine pickup reel.

Just \$49,500!

Scan to view:



or call
08 6336 7780

Please note that prices and details are indicative only, and items for sale may have changed. Please use the contact details on each item to find out more.

Hot DEALS

Scan the QR Code with your phone camera to find out more about these Hot Deals!



Just \$3,001!

Scan to view:



or call
08 6336 7780

2015 John Deere D110

Ride on mower - 42" deck new engine just fitted, comes with warranty. Location: Moora, WA. Transmission: hydro.



Just \$19,800!

Scan to view:



or call
08 6336 7780

2017 John Deere 1585

1083 engine hours. 72" cutting deck. Location - South Guildford, WA. Engine type: diesel. Drive type: AWD.



Just \$154,000!

Scan to view:



or call
08 6336 7780

2012 New Holland T7.270

FWA with FE loader - 50km transmission - suspension - 3PL - 540/1000 PTO. Front tyres 25%, back tyres 70% - 230 HP - 4000 engine hours. Location - Narembeen, WA.



Call for pricing

Scan to view:



or call
03 8373 7135

Marshall 810T Spreader

Multispread fertilizer spreader - 10 tonne (8.1 cubic metres) with hydraulic twin spinners, 23.1 x 26 tyres. Also available with PTO drive.



Call for pricing

Scan to view:



or call
03 8373 7135

NDE FS1000D

All purpose feed-mixer with Weightronix scales, 18 large 24" carbide-insert knives, 12" rubber top, ladder platform. Front door feed-out. PTO drive.



Call for pricing

Scan to view:



or call
03 8373 7135

NDE FS600

All purpose feed-mixer with Weightronix scales, 9 large carbide-insert knives, 12" rubber top, folding ladder. Side door with 9ft side elevator.



Call for pricing

Scan to view:



or call
03 8373 7135

NDE FS700

All purpose feed-mixer with Weightronix scales, 9 large carbide-insert knives, 12" rubber top, ladder platform. Available with front or side doors.



Call for pricing

Scan to view:



or call
03 8373 7135

Renn RMC12

Chill cast rolls, removable roll shafts, leaf spring roll protection, tip up feed hopper, grate magnet, feed gate control. 12", 24", 30", 36" & 48" wide models - New.

Please note that prices and details are indicative only, and items for sale may have changed. Please use the contact details on each item to find out more.

Scan the QR Code with your phone camera to find out more about these Hot Deals!



Call for pricing

Scan to view:



or call
03 8373 7135

Marshall 814T
New 14 tonne trailing spreader with hydraulic twin spinners, 825mm wide chain & belt 4-speed conveyor, 750/65R26 tyres.



Call for pricing

Scan to view:



or call
03 8373 7135

Rotowiper FU600
New trailing or tractor mount Rotowiper Weedwipers. 1.8 - 4.5 metre trailing, 2.9 - 9 metre tractor mount units. Use less chemical. Suitable for windy conditions.



Call for pricing

Scan to view:



or call
03 8373 7135

Rotowiper Trailing Weedwipers
New. Uses less chemical than sprays. Suitable for windy conditions. Other sizes available from 1.8 metres to 12 metres. Adjustable roller height.



Just \$27,500!

Scan to view:



or call
03 9116 6773

Pottinger 771A
Pottinger 771A twin rotor rake , hyd fold & hyd width well looked after rake, at our Echuca Dealership.



Just \$31,900!

Scan to view:



or call
03 9116 6773

New Holland BR7070 Superfeed
New Holland BR7070 Superfeed round baler, up to 6 foot capacity 26,636 bales, been through workshop, neat baler. At our Cobram Dealership.



Just \$12,650!

Scan to view:



or call
03 9116 6773

Silvan G2 Supaflow
Orchard sprayer 2,000 LT, Bravo 300 auto rate controller, good working condition. At our Cobram Dealership.



Just \$26,400!

Scan to view:



or call
03 9116 6773

New Holland BR7070 Superfeed
6x4 round baler, rotor feed, well presented baler , been well looked after, been thru workshop, at our Echuca dealership.



Just \$68,200!

Scan to view:



or call
03 9116 6773

New Holland 316
Steel Roller Mower Conditioner, 5 meter cut, Ex demo machine, done little work, steel rollers, ready to go. At our Echuca Dealership.

Please note that prices and details are indicative only, and items for sale may have changed. Please use the contact details on each item to find out more.

Hot DEALS

Scan the QR Code with your phone camera to find out more about these Hot Deals!



**Just
\$35,200!**

Scan to view:



or call
03 9116 6773

New Holland BC5070

Small square baler, going through workshop, well looked after baler. At our Echuca dealership.



**Just
\$41,800!**

Scan to view:



or call
03 9116 6773

Case IH RB465

Round baler, 2016 model, 12,234 bales, standard rotor feed, drop floor, been through workshop ready to go. At our Echuca Dealership.



**Just
\$37,400!**

Scan to view:



or call
03 9116 6773

New Holland 313 Mower Conditioner

Rubber Roller Mower Conditioner, 4 meter cut. 3 meter chevron rollers, center pull, three point linkage 1000rpm pto. At our Echuca Dealership.



**Just
\$146,300!**

Scan to view:



or call
03 9116 6773

New Holland BB1290 Plus

Standard packer feeder 8x3x4, done 20,460 bales. Moisture meter, weigh scales, camera, going through workshop. At our Echuca Dealership.



**Just
\$396,000!**

Scan to view:



or call
03 9116 6773

2012 New Holland CR8090 CR

1940 engine & 1264 rotor hours, 2012 build, Class 8 machine. 10.3l FPT engine rated at 449hp (490hp max).



**Just
\$63,800!**

Scan to view:



or call
03 9116 6773

GVM Prowler 8709T

Spreader truck.



**Just
\$71,500!**

Scan to view:



or call
08 7007 6556

2011 Midwest 50FT

50 Ft Midwest front with Ellbourn engineering comb trailer.



**Just
\$48,400!**

Scan to view:



or call
08 7007 6556

Hardi 7030 Commander

7000 litre with 30 meter boom. boom has been through workshop recently, hydraulic suspension, four sections and hydraulic driven pump.

Please note that prices and details are indicative only, and items for sale may have changed. Please use the contact details on each item to find out more.

Scan the QR Code with your phone camera to find out more about these Hot Deals!



Just \$90,000!

Scan to view:



or call 08 7007 6556

2008 John Deere 6230 Premium

With 3000hrs front end loader with pallet forks and bucket included. Front tyre size 340/35R 24. Tread 75%.



Just \$99,000!

Scan to view:



or call 08 7007 6556

2015 Bredal K85

Selling on-behalf of customer.



Just \$18,500!

Scan to view:



or call 08 7007 6556

Howard Condor

Clearance. Howard Condor mower. \$18,500 inc GST. Located at Roseworthy.



Just \$143,000!

Scan to view:



or call 08 7007 6556

Hardi Presidio

With auto section rate control, 1024 hours. Located in Parndana (KI), SA.



Just \$245,000!

Scan to view:



or call 08 7007 6556

Hardi Saritor

520/85R46 tyres 80%,1854 hours, HC 9500 AG Leader controller,42.5 aluminium Pommier Boom 142 foot, Ace 650 litre per min run dry pump. Full service history.



Just \$55,000!

Scan to view:



or call 08 7007 6556

2010 Hardi 7036 Commander

36m force boom with 6 sections. Auto boom height control. Hydraulic drive pump. Air bag suspension.



Just \$363,000!

Scan to view:



or call 03 8547 8800

2017 Hardi Saritor 5500 II

1,750 hours, 5,500L tank, 46.5m (153')/48.5m (160') aluminium boom, 8 sections, triple nozzle bodies, auto boom height control.



Just \$33,000!

Scan to view:



or call 03 8547 8800

John Deere CTS 2

JD CTS 2 harvester, 4060 sep hrs chopper/ chaffer, excellent condition for age.

Please note that prices and details are indicative only, and items for sale may have changed. Please use the contact details on each item to find out more.

Hot DEALS

Scan the QR Code with your phone camera to find out more about these Hot Deals!



John Deere 1460

Mower conditioner - 3m, rubber on rubber condition rollers, hydraulic swing, side pull.

Just \$16,500!

Scan to view:



or call
03 8547 8800



2012 Bourgault 3320-80

80ft bar, 15" spacings, prior to QDA model, double shoot, Rootboot paired row points, front row coulters, setup for tow between/leading cart.

Just \$132,000!

Scan to view:



or call
03 8547 8800



Westfield TFX 10 X 41FT

Westfield Auger (2008) 25HP Kohler, rev gear box.

Just \$13,750!

Scan to view:



or call
03 8547 8800



John Deere 467

Silage special round baler (2004) 30,000 bales, variable core, mega wide pickup, push bar.

Just \$22,000!

Scan to view:



or call
03 8547 8800



2006 John Deere 956

956 mower conditioner impeller conditioner 14' cut drawbar pull manual tilt ram presents like new. Selling on behalf of customer.

Just \$44,000!

Scan to view:



or call
03 8547 8800



Krone BP 1290HDP

6 string Baler with 38411 bales non chopper with soft start, krone Auto grease system, croplands applicator, gazeeka moisture meter, scales.

Just \$132,000!

Scan to view:



or call
03 8547 8800



2011 Midwest 45'

Crop hawk 45ft. Immaculate condition. Sold with comb trailer. Primary sales knife guards and lifters. Comes with top cross auger (currently not fitted). Machine always serviced.

Just \$88,000!

Scan to view:



or call
03 8547 8800



2008 Case IH DC162

Mower conditioner. Steel rollers, 4.8m cut, 12 Disc, 3PL hitch, 21 spline PTO. Great condition, Just arrived.

Just \$33,000!

Scan to view:



or call
03 8547 8800

Please note that prices and details are indicative only, and items for sale may have changed. Please use the contact details on each item to find out more.

Scan the QR Code with your phone camera to find out more about these Hot Deals!



Just \$121,000!

Scan to view:



or call 03 8547 8800

2016 Krone BP 1290HDP

High speed 6 string baler, approx. 43,000 bales, X-cut chopper, bale scales, tandem axle, monitor, Grevillia Inoculant applicator. Good condition.



Just \$22,000!

Scan to view:



or call 03 8547 8800

Goldacres 4030

5000x30M Boom Sprayer (2001) Raven Controller, CIH, PTO Dr. For more information contact Emmetts Rupanyup Dealership.



Just \$24,200!

Scan to view:



or call 03 9116 6772

Krone Swadro 700

Used Krone Swadro 700 twin rotor rake. 6.8m working width, recently traded due to upgrade.



Just \$24,200!

Scan to view:



or call 03 9116 6772

Lely Lotus 900

Used. This machine has been very well looked after, always shedded and serviced accordingly. Trailed, 9m working width, eight rotors.



Just \$15,400!

Scan to view:



or call 03 9116 6772

Yeomans 5 Tyne

Used Yeomans 5 tyne ripper with roller. In good condition, comes with spare points. Recently traded as machine is no longer required.



Just \$8,800!

Scan to view:



or call 03 9116 6772

Vermeer 504I

Selling machine in as is where is condition. Was working until the day the upgraded baler arrived. Only traded as owner moved into a newer machine.



Just \$176,000!

Scan to view:



or call 03 9116 6772

2019 Strautmann Giga Vitesse 4002

Cutting length of 35 mmr knife change without use of toolsr knife bar can be hydraulically swivelled out.



Just \$49,500!

Scan to view:



or call 03 9116 6772

Keenan 12T Orbital Spreader

Photos are in as traded condition, will be workshop checked prior to sale.

Please note that prices and details are indicative only, and items for sale may have changed. Please use the contact details on each item to find out more.

Hot DEALS

Scan the QR Code with your phone camera to find out more about these Hot Deals!



Just \$38,500!

Scan to view:



or call
03 9116 6772

Robertson Super Combi

Optional rear self loading forks for reduced loading times and convenience.



Just \$15,400!

Scan to view:



or call
03 9116 6772

Kuhn GF6502 Tedder

Tidy machine, in good working condition. Well looked after unit.



Just \$7,150!

Scan to view:



or call
03 9116 6772

Claas 540H Tedder

5.4m working width, in good working condition, was being used up until the day it was traded.



Just \$26,400!

Scan to view:



or call
03 9116 6772

Tanco 1400 Wrapper

Selling on consignment as owner is now moving to pit silage.



Just \$15,400!

Scan to view:



or call
03 9116 6772

Kuhn Venta TF 702

Front linkage air seed box, 700ltr capacity. Skeleton wheel metering system, can be adjusted for different working widths.



Just \$9,900!

Scan to view:



or call
03 9116 6772

Amazona ZA-M 1501 Spreader

1500L hopper. Twin stainless spreading discs. Individual hydraulic shutter control. One piece folding hopper cover. Range of spreading widths - Max 36 metres. Excellent condition.



Just \$41,800!

Scan to view:



or call
03 9116 6772

2019 Pottinger Top 962C

Twin rotor rake 8.9m to 9.6m working width. Good working order, shedded when not in use, well maintained and serviced. Only traded as upgraded to quad rotor.



Just \$82,500!

Scan to view:



or call
03 9116 6772

2017 Kuhn GA 13131

Used 2017 Kuhn GA 13131 quad rotor rake. Extremely well maintained, always shedded, serviced and used by quality operators.

Please note that prices and details are indicative only, and items for sale may have changed. Please use the contact details on each item to find out more.

Hot DEALS

Scan the QR Code with your phone camera to find out more about these Hot Deals!



McCormick S-MAX 90 ROPS
With loader and 4 in 1 bucket. In stock.

Just \$52,800!
Scan to view:



or call
03 9116 6772



Krone RX 400 GD
Used Krone RX400 silage wagon.

Just \$137,500!
Scan to view:



or call
03 9116 6772



Landini Discovery 75
Comes standard with 4 cylinder 4100 turbo charged diesel engine, large 78 litre fuel tank.

Just \$60,500!
Scan to view:



or call
03 9116 6772



Aitchison 3018C
Overall width - 3320mm (10'11"). Overall height - 1550mm (5'0"). Overall length - 2250mm (7'5"). Weight empty - 920kg.

Just \$24,244!
Scan to view:



or call
03 9116 6772



Bonino AB 70 TR
Self loading cutter wagon. Equipped with a rotating cutter bar with two drums adjustable in height, which allows a clean and precise cut even on undulating ground.

Just \$77,000!
Scan to view:



or call
03 9116 6772



Lely Hibiscus 915 CD Vario
Pull type twin rotor rake. Twin rotors, cam track, tandem-axle wheel, steering device, hydraulic systems.

Just \$31,900!
Scan to view:



or call
03 9116 6772



2022 McCormick GMAX 165
100% Italian built 160hp 6 cylinder Iveco engine high visibility air-conditioned cabin 54 x 18 Powershuttle transmission, air-suspension operator seat foldaway passenger seat.

Just \$154,000!
Scan to view:



or call
03 9116 6772



Sitrex QR10
Carted V style wheel rake. Compact, manoeuvrable and stable both in working position and transport.

Just \$14,300!
Scan to view:



or call
03 9116 6772

Please note that prices and details are indicative only, and items for sale may have changed. Please use the contact details on each item to find out more.

Hot DEALS

Scan the QR Code with your phone camera
to find out more about these Hot Deals!



Keenan 12T Orbital

Used Keenan 12T orbital spreader.

**Just
\$49,500!**

Scan to view:



or call
03 9116 6772



2020 John Deere X570

Ride on, 48 inch side discharge deck, 21 hours. transmission: hydro, engine type: gas, drive type: 2WD. Located: Cowra.

**Just
\$13,750!**

Scan to view:



or call
02 9199 7760



2012 Case IH Magnum 260

3200 hours, 480/80R/50 duals, 90% and 70%, 480/34 fronts, 3pl, 4 remotes, front weights, trimble 2cm RTK, Tait radio. Located: Coleambally.

**Just
\$184,800!**

Scan to view:



or call
02 9199 7760



2019 John Deere 6155M

With 663R loader and GP bucket. 2279 hours. 24 speed PowerQuad transmission. Row crop tyres. 3 rear 450 series SCVs.

**Just
\$162,800!**

Scan to view:



or call
02 9199 7760



2004 John Deere 592

Round baler. 40,000 rolls, Maxicut, net and twine. Available end of September. Located: Finley. Pickup: regular. Wrapping: surface wrap only.

**Just
\$18,700!**

Scan to view:



or call
02 9199 7760



Viccon RSXL 2500L Extension

Used.

**Just
\$8,800!**

Scan to view:



or call
02 9064 7556



2016 Macdon R85

16ft mower conditioner, hydraulic drive, steel intermeshing conditioner rollers, forming shields, skids, tidy order shedded, suit M205 windrower with mower valve fitted.

**Just
\$57,200!**

Scan to view:



or call
02 9064 7556



2017 Case IH 7240

Wheat Combine, 1220 rotor hours and 1550 engine. 620/70 R42 front duals. Macdon D65 40 foot front with Cross auger and trailer.

**Just
\$440,000!**

Scan to view:



or call
02 9064 7556

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Hot DEALS

Scan the QR Code with your phone camera to find out more about these Hot Deals!



Just \$60,000!

Scan to view:



or call
02 9064 7556

2017 Macdon R116

2017 Macdon R116 mower conditioner PTO pull type rubber rollers, tidy new blades.



Just \$110,000!

Scan to view:



or call
02 9064 7556

2017 Dieci Agri Plus 40.7

Evo Telehandler. Complete with GP bucket and pallet forks. 1000 engine hours, 4 speed powershift, FPT diesel engine. A/c cabin. Extra lighting UHF.



Just \$102,300!

Scan to view:



or call
02 9064 7556

2016 JCB Loadall 531-70 Agri Super

Agri Super telehandler, 2,974 hrs, 130 HP engine, 6 speed transmission -40 KPH, 400/80r24 tyres, 2 cube bucket and pallet forks, A/C, AM/FM radio.



Just \$13,200!

Scan to view:



or call
02 9064 7556

1989 Ursus 3512

Approx 50 horsepower. Owned since new and regularly serviced. Has done 1985 hours. Right rear tyre has been replaced, front tyres worn.



Just \$110,000!

Scan to view:



or call
02 9064 7556

2017 Dieci Agri Plus 40.7

Complete with GP bucket and pallet forks. 1000 engine hours, 4 speed powershift, FPT diesel engine. A/C cabin. Extra lighting UHF.



Just \$181,500!

Scan to view:



or call
02 9064 7556

2012 Flexi Coil PD5700/3850

Parallelogram precision hoe drill 60' (18.3mt) width in 5 sections 12" spacings on 3 ranks, 5.6mt transport width 60 row units - double shoot opener.



Just \$66,000!

Scan to view:



or call
03 9998 4995

Grillo FD13.09

4WD hydrostatic, 900ltr high lift catcher electric cutting, height adjustment, power steering, diesel.



Just \$22,000!

Scan to view:



or call
03 9998 4995

Kubota B2630HD

26hp diesel, 3 range hydrostatic transmission, front end loader, power steering, mid mount PTO.

Please note that prices and details are indicative only, and items for sale may have changed. Please use the contact details on each item to find out more.

Hot DEALS

Scan the QR Code with your phone camera to find out more about these Hot Deals!



Just \$9,999!

Scan to view:



or call
03 9998 4995

Bushranger Spartan RZ 48"

Kawasaki FR691 premium and commercial grade engine. Engine guard. 13.6 kph top speed. 18.9 litres fuel capacity.



Just \$14,900!

Scan to view:



or call
03 9998 4995

Willie's Manufacturing Elite

Strong robust design. Feeds out hay and silage. Carries up to two bales. Versatile loading system 4.6m L x 2.3m W.



Just \$12,799!

Scan to view:



or call
03 9998 4995

Bushranger Spartan RZHD 48"

Kawasaki FR691V premium and commercial grade V-Twin engine. Engine guard. 14.48 kph Top speed. 18.9 litres fuel capacity.



Just \$9,990!

Scan to view:



or call
03 9998 4995

Willie's Manufacturing Elite

3pl Feeder. Strong robust design. User friendly maintenance. Australian made.



Just \$4,499!

Scan to view:



or call
03 9998 4995

Bushranger E-Rider 72v

Mini lawn tractor E-Rider. 30" cut. 72V motor. 5.9 kph speed.



Just \$15,990!

Scan to view:



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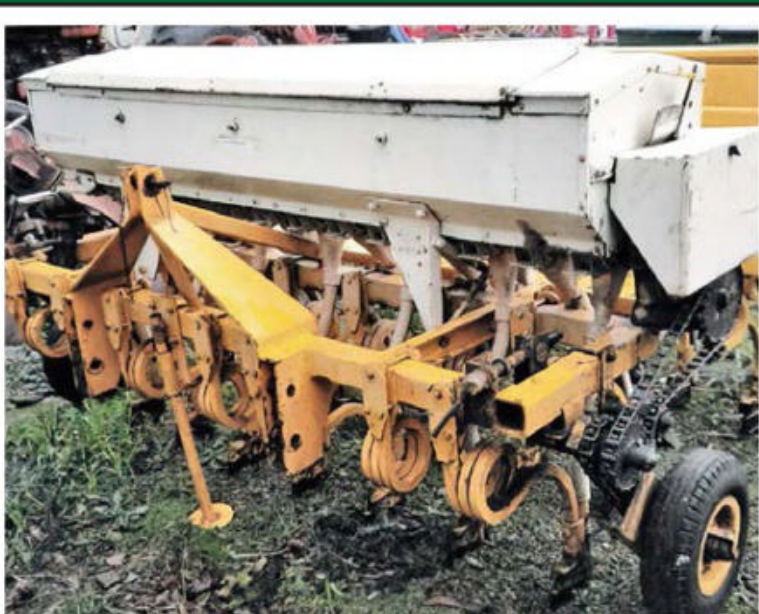


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Food industry products supplier **Vadals Ikon Group** says its use of **Crown forklifts and systems** has helped boost its productivity over the past year.
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FORKLIFTS

Vadals Ikon Group gets help from Crown’s forklifts

Brisbane food industry supplier says Crown’s equipment and systems have increased its productivity in the past year

Vadals says the new equipment has led to significant cost savings

Family-owned food industry supplier Vadals Ikon Group has significantly increased its efficiency with the support of Crown’s forklifts, as well as its InfoLink operator and fleet management system.

Vadals Ikon Group recently moved to a new purpose-built facility in Richlands that has both warehouse space and a showroom.

When the new warehouse south of Brisbane was established, Vadals took on Crown’s InfoLink system, which offers an increased insight into fleet performance to help maximise the efficiency of each piece of material handling equipment.

“Through using InfoLink, we can now analyse how long a machine is used for each day, week or month to make sure we’re getting the right productivity out of that machine, and whether we need to keep the machine or change it for something that would be better used inside the warehouse,” Vadals operations manager Stephen Ireland says.

Having moved into the warehouse a year ago using all-new Crown equipment, Ireland says Vadals has “picked up 33 per cent in productivity through the Crown equipment and the set-up of the warehouse”.

“The racking and our dock levellers are supplied by Crown, even our sweeper that we use to sweep the floor was provided by Crown. We’ve found the machines to be reliable and excellent,” Ireland says.

Vadals also chose to utilise Crown’s DT Series double pallet stackers, which has provided an additional productivity boost.

“We thought we’d only want singles but with the information Crown gave us about them, we went with the doubles and found that because you can pick two pallets at one time, it’s almost like doing double the work,” Ireland says.. **fm**



FORKLIFTS

Toyota forklifts fuelling Simon National Carriers

The Australian trucking company puts trust in Toyota forklifts

Australian privately-owned transport company Simon National Carriers has invested in Toyota Material Handling Australia (TMHA) machinery to help keep its warehouses running at peak operational capacity.

Simon National Carriers recently purchased a fleet of 40 Toyota forklifts to be deployed among Simon’s depots across Australia.

The purchase included a split between 7700 electric

Simon National Carriers assistant fleet manager Scott Horwood

reach trucks and 32-8FG25 gas counterbalance forklifts that will speed up the efficiency of Simon National Carrier’s day-to-day operations.

“Toyota was definitely one that I liked from a point of view of what they offered in their reach trucks,” Simon assistant fleet manager Scott Horwood says of the process of choosing which brand to buy.

“Toyota offers what is called a sit-stand-lean product where they can sit down or fold the seat up and stand up. For me that was a big bonus in the way it would suit our fleet – if we needed to move a forklift from depot to depot, we didn’t have to worry about where it is a sit-down or stand-up forklift.

“Some operators don’t like to sit down all day; it can be fatiguing on their body. Standing up all day can be the same, so it gives the operators flexibility on how they go about their day-to-day business.”

The reliability and zero operating emissions of the reach truck’s electric powertrain was another factor that fuelled Simon’s choice to purchase from TMHA.

“From bumper to bumper, all the parts are Toyota. That is an important thing when it comes to maintenance and no other product could offer that – Toyota genuine right throughout,” Horwood says. **fm**

CBC's LPR service can reduce wait times



PARTS

Express delivery

The team at CBC make sure to get spare parts urgently to the people that need them

Sometimes, when it comes down to the crunch and there's an issue with equipment, it isn't feasible to wait on a replacement part to be delivered by an OEM, which is why CBC regularly manufactures components for customers as part of its Local Production Requisition (LPR) service.

According to Leon Stefanec, CBC national business development manager for food and beverage, this service entails either CBC manufacturing components to customer requirements in its own workshops or contracting the job out to local engineering companies.

In either case, the flexibility and adaptability to changing circumstances becomes a solution for customers who are in a tight spot.

"OEM parts are sometimes unavailable or have long lead times when customers require a custom solution," Stefanec says.

"So, LPRs are a unique special offer that we provide. We have our own in-house qualified drafters or engineers who use the latest software to provide technical and manufacturing drawings, which can then, in turn, be used to manufacture custom parts for our customers."

Stefanec points to a recent example where a

large-scale bakery, operating 24/7, required the services of CBC to supply a new 1.4-metre-long shaft for a robot packing machine that had broken one late afternoon.

"The broken shaft was preventing a large batch of finished baked goods from being packaged ready for distribution to a major supermarket chain," Stefanec explains.

"We were called and were able to visit the site to collect the broken shaft and quickly prepare a manufacturing drawing. From there, we recommended a higher grade of material to prevent a repeat of such a breakage. We then contacted a nearby engineering company that had the material in stock and could manufacture the shaft to the Motion Australia drawing out of regular business hours."

The shaft was completed by roughly 9:30pm and delivered straight to the bakery for installation.

"Had the site waited for a new shaft to become available from the OEM suppliers, the production line would have been out of commission for several days," Stefanec says.

"The bakery's maintenance team fitted the new

shaft and completed the packaging process without any additional loss and no loss of product."

This was an example of how CBC can quickly respond with its own talents and professional network to satisfy an immediate need by getting a broken piece of equipment replaced - although it's more common for CBC to reverse engineer custom parts or manufacture entirely new items to rectify a precise customer problem, according to Stefanec.

"Each time we manufacture a new LPR item we identify it with a unique part number, which we file with our engineering department database along with relevant drawings, photos, and notes," Stefanec says.

"This unique number then becomes the item part number and is maintained within our catalogue system. Should our customers require a repeat order of these LPR items our engineers simply extract the drawings and details from our database and issue a purchase order to any of our workshops to commence the manufacture."

This service is of great utility to customers and has established CBC as a name to trust when the going gets tough. 



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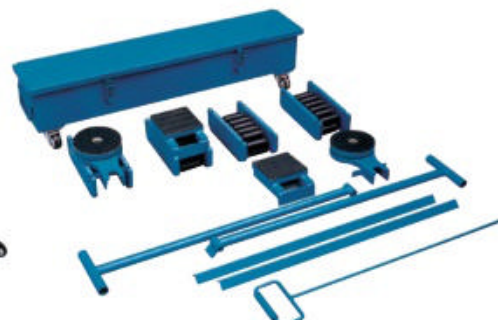
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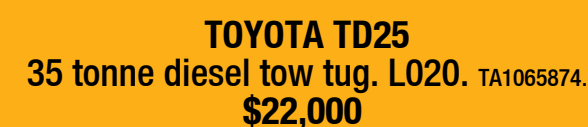
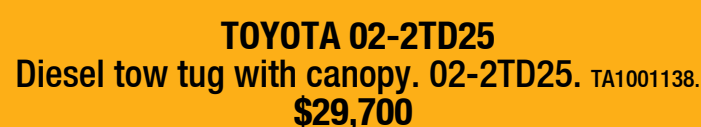
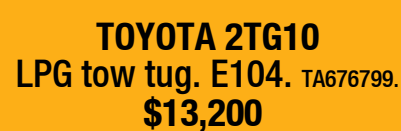


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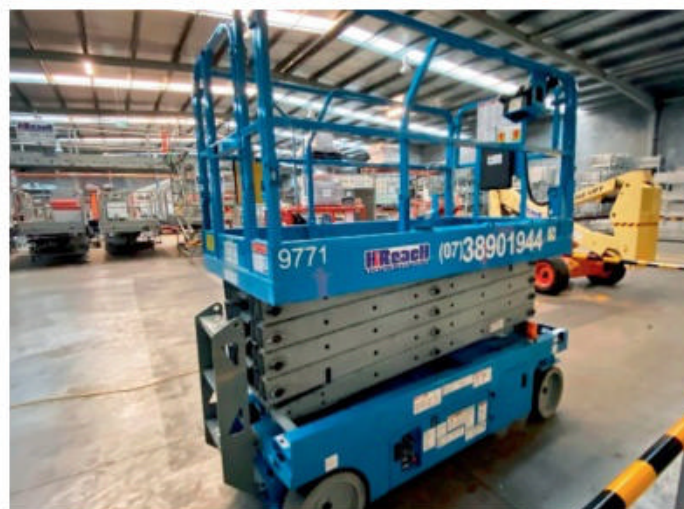
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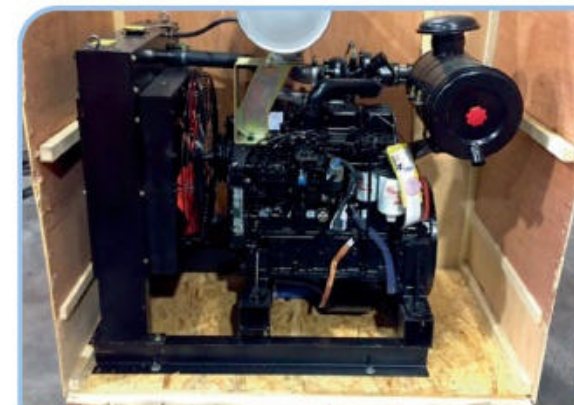
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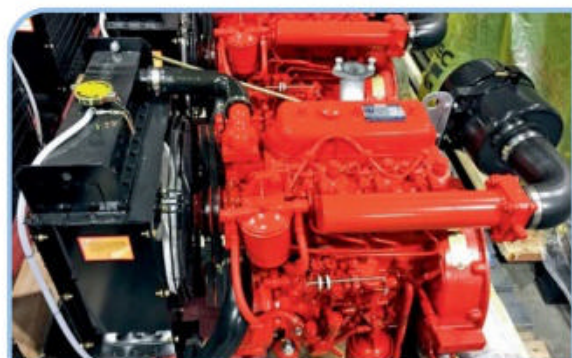
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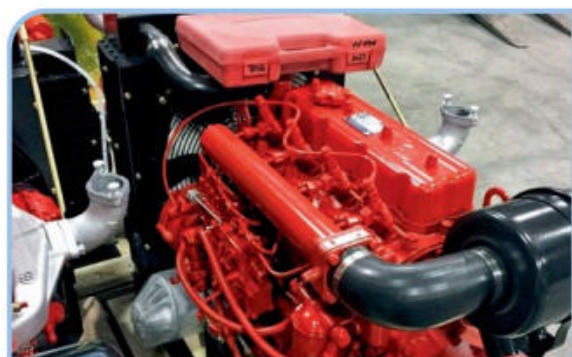
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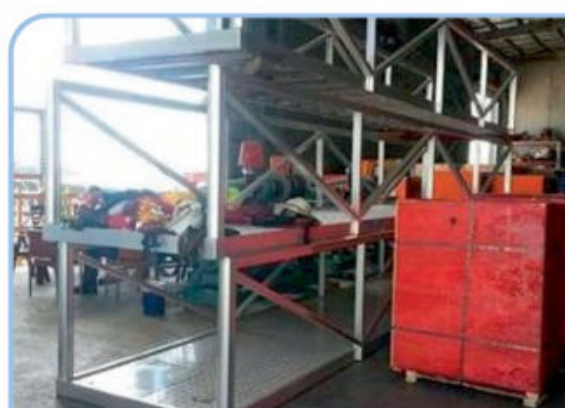
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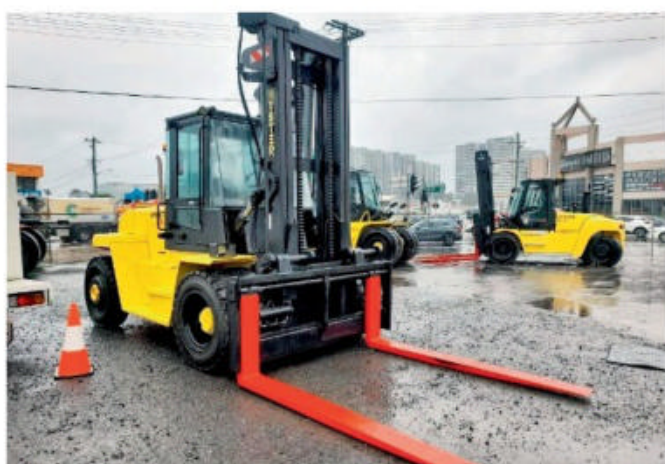
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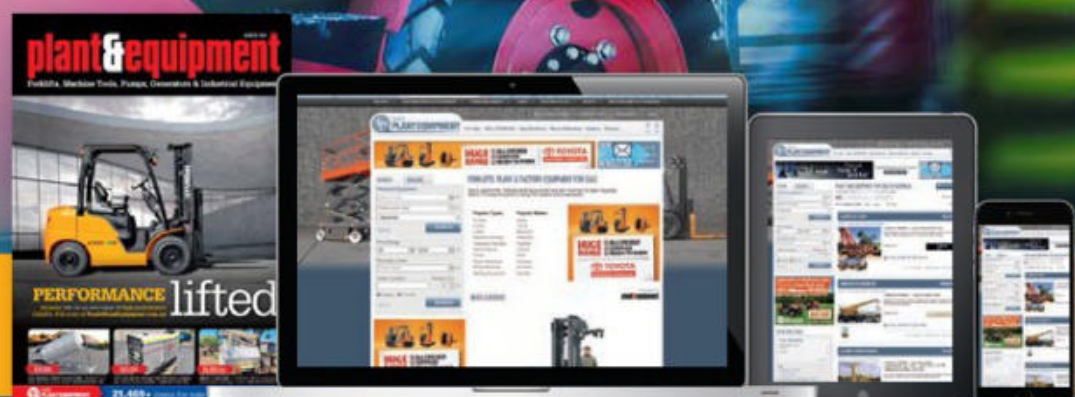
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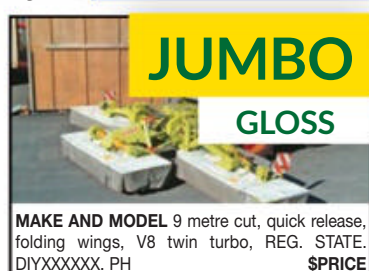
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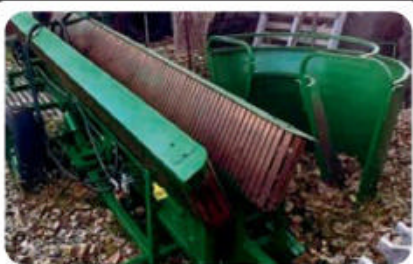
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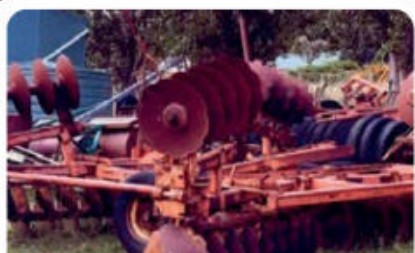
CONNOR SHEA 7'
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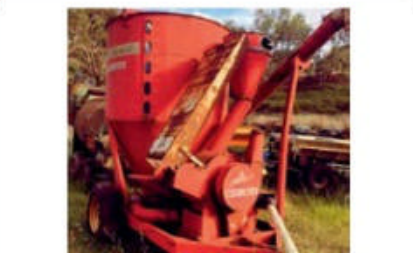
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