Salmonella risk from backyard chooks

THE Victorian Department of Health and Human Services is investigating an outbreak of salmonella illness attributed to backyard chickens. Most cases are from Melbourne’s north and western suburbs, as well as in Gippsland and western Victoria.

Victorian Chief Health Officer Prof Brett Sutton said investigations have not identified a common source as yet, but that most cases had contact with or consumed eggs from backyard chickens.

People are at risk of becoming sick after handling chickens and eggs, and after eating raw or under-cooked eggs. Families with backyard chickens should be aware of the risk, and safe handling practices to limit the chance of salmonella infection are advised.

Deputy Chief Health Officer Angie Bone said poisoning from salmonella may be avoided.

"There are a number of diseases you can get from animals, and it's always important to ensure you maintain good hygiene after contact," Dr Bone said.

"It's important that people wash their hands after they've touched chickens, been in the coop or handled litter or feed.

"Kids love touching chickens and playing with them, but they need to be supervised when they're around chickens and avoid cuddling or kissing them."

It is important to examine the quality of any egg before eating it. "Cracked, damaged or heavily soiled eggs shouldn't be used," Dr Bone said.

"Lightly soiled eggs need to be wiped down with a dry cloth or tissue – do not wash them as washing eggs can move salmonella from outside the shell to inside the egg through its pores."

"People wash their hands with weakened immune systems or medical conditions are particularly vulnerable and should be especially cautious. Chickens infected with salmonella enteritidis can produce bacteria-containing eggs. This can increase the chance of a person becoming ill with the bacteria if the egg is eaten raw or not thoroughly cooked. If infection is suspected, seek medical assistance."

"Symptoms present for 48-72 hours of exposure and can last for up to a week."

Dr Bone said symptoms are not like a 24-hour viral infection and include fever, abdominal pain, nausea and vomiting.

Australia experienced a large salmonella enteritidis outbreak linked to eggs in 2019. Eleven poultry facilities in NSW and a Victorian egg layer farm discovered salmonella in late 2018, and all sites were quarantined and decontaminated.

Through procedures have changed in the office since the start of the COVID-19 pandemic, it is great to feel a little sense of normality again. Poultry Hub's Job Ready Training is back in business.

We have our next training booked in for July in Tamworth and a series of other trainings across the New England region of NSW, which is very exciting.

We are still taking registrations, so if you are interested in taking part in this training program or want to know more, please contact us at poultryhub@unsw.edu.au

A great new piece of technology has been developed at the University of New England that I would like to share. Assoc Prof Wu and his team have developed a fast and accurate sexing method to sex chickens using feather crude DNA.

In recent years, researchers have found it difficult to source sexed day-old broiler chicks for research purposes. This was due to the change in genetics of current commercial broiler breeds resulting in feather sexing no longer being available.

This has forced many researchers to use parent lines or as-hatched commercial broilers to study their nutritional needs and health. However, issues would arise as parent lines may not respond to nutritional treatments and disease challenge in exactly the same way as commercial broilers.

Vent sexing is being used as an alternate method to feather sexing, yet this method – though fast and accurate – requires highly trained and experienced personnel.

In addition, most hatcheries were reluctant to allow vent sexers to sex a small number of birds on a regular basis for researchers due to biosecurity concerns. Other sexing methods include in-ovo sexing, such as near-infrared fluorescence, Ramen spectroscopy oovigenic radio-immune assays and genetic engineering modification.

These methods are technically complex and not feasible for research purposes where in-house hatching is not available for in-ovo sexing, and an engineered strain is not applicable.

Therefore, a fast and relatively large-scale sexing approach for research purposes was required. Molecular sexing methods have shown the most promise in meeting these requirements. The method they developed is based on the fact that female birds are heterogametic (ZW), and males are homogametic (ZZ).

The quick DNA extraction and fast PCR run.
Animal welfare standards and guidelines under review

EGG Farmers of Australia is set to put forward its views on the care of livestock on Australia's farms to a panel currently reviewing the nation's animal welfare code.

The three-member panel was appointed by the federal government to review the introduction of new animal welfare standards and guidelines that will eventually govern all livestock farming across the country.

Egg Farmers of Australia is expected to meet with the panel in July or August. The poultry industry had been waiting for up to six years for the guidelines to be implemented.

New guidelines and standards on the care of poultry will give egg farmers clarity and certainty on how they can develop their farms into the future.

It’s unfortunate that this process has so far taken six years because without any updated guidelines on animal care, investment and growth in the egg industry has been impeded.

Egg Farmers of Australia is the peak voice of Australian egg farmers who operate caged, free-range and barn-laid farms.

The three-member panel will bear submissions from many key animal industries before finalising the proposed guidelines for government approval.

Discussion points Egg Farmers of Australia will raise with the panel include:

- Egg Farmers of Australia’s position on key farming issues.
- The status of the egg industry and the egg market.
- Egg market impacts and trends.
- Economic and social impacts facing the egg industry.
- The latest CSIRO Sustainability Framework for egg production.
- Production issues including restructurings of the industry, low returns and disease risks.
- Costs relating to the long-awaited animal welfare standards and guidelines, and the resulting lack of investment and debt in the industry because the guidelines have taken six years to reach this point, with no outcome.
- The need to retain caged egg farming in Australia – a key issue which will be emphasised to the panel. Consumers would face egg shortages if supermarkets continued a push against caged egg farms. According to the CSIRO, 40 percent of egg sales in Australian supermarkets are caged eggs, and the box market also makes up a large amount of egg sales from the caged sector. Without caged eggs, we would risks a shortage of eggs nationally.
- Harmonisation

It is hoped that states implement the Australian animal welfare standards and guidelines for poultry in a timely manner, and that following endorsement of the Agriculture Ministers, that the legislation is placed on the forward program for action.

Fast and accurate sexing method developed for chickens

*From P1

makes it possible to sex birds quickly with the protocol including labelling the chicks, processing the samples and accurate call of genotypes. The DNA extraction procedure takes around 30 minutes with the bulk of feather, and the PCR procedure takes about 70 minutes for 100 birds.

The fact that they were able to successfully extract and use the crude DNA from feathers also makes this method favourable because it is a less invasive technique than extracting blood.

The assay was validated and the accuracy confirmed by the HREM sexing of a total of 1318 broiler chicks that were used for nutritional and disease challenge trials performed at the University of New England, and the results were then verified by examining the sex of each bird upon dissection once the trials had been completed.

The cost of this DNA sexing method was also minimal with an estimate of approximately $5 per bird for reagents and lab consumables.

Overall, Associate Professor Wu and his team have developed a sexing protocol that can be used to sex chickens in a cost effective, accurate and fast way.

This method can be implemented practically for large-scale use where hundreds of birds are needed, such as in nutrition and disease challenge trials. It is estimated that 500 to 800 birds can be DNA sexed within a day using this procedure and will provide researchers with the ability to make use of sexed birds in their trials.

This will help to decrease the variation in experiments, resulting in a higher power to detect responses of the birds to the treatments under investigation.

Egg stamping table. Source: Australian Eggs Egg Stamping Guide
A spray that knocks them down and keeps them down

- Excellent efficacy through novel mode of action\textsuperscript{1,2}
- Long lasting\textsuperscript{3,4,5}
- Can be used with layers present
- No need to discard eggs

**ACTIVE INGREDIENT: SPINOSAD (Group 5 insecticide)**

Always read and follow the label directions. Good agricultural practice is essential for optimal control of flies and darkling beetles, and optimal poultry red mite suppression.

References:

Elector\textsuperscript{TM} PSP Animal Premise Spray contains 480g/L spinosad. Elector\textsuperscript{TM}, Elanco and the diagonal bar logo are trademarks of Elanco or its affiliates. © 2020 Elanco or its affiliates. EFA030 PM-AU-20-0061
Why you should listen to your newly hatched chicks

EMERGING research suggests that ‘listening’ to the sounds newly hatched chicks make can aid early detection of welfare issues. In nature, when distressed and uncomfortable with their surroundings, chicks attract their mother with a loud and distinct stress call.

In commercial chicken farming however, thousands of chicks are reared in batches. In a study published by the Royal Society, a team of animal welfare and behaviour scientists from across the UK collected acoustic recordings in 12 typical flocks of 25,000 chicks.

They found that these calls could be identified above other noises such as farm machinery and regular calling. Where previous research had linked distress calling to stress and anxiety-like states in chicks, this study shows it could predict flock-level behaviour changes.

Professor in animal behaviour informatics at Newcastle University and principal investigator Lucy Asher said, “By analysing the calls chicks make in their first few days of life, it seems we are able to predict weight gained and the number of deaths in the whole flock for the whole life.”

“This means we could have a very powerful tool to help chicken welfare.”

“What is particularly useful is that this welfare indicator can be used early on in life, whereas most chicken welfare indicators are taken later in life, when it is too late to make major improvements.”

As an added benefit, this study shows how we can measure chick calls automatically, meaning no extra work for farmers, but more information to help them improve chicken welfare.”

The researchers employed a method that involved the ‘spectral entropy’ of the soundscape – a value that describes how sound can vary from a clear, tenal note up to white noise.

As increasing numbers of chicks call in unison, the usual background noise of the farm becomes overall more tonal. This ‘computationally simple’ way of counting distress calls could signify to farmers that chicks require their attention and ultimately improve welfare across the lifetime of the chick.

Reader in animal behaviour at the University of Roehampton Dan McCullaght said: “The results of this research show how useful vocalisations can be for monitoring welfare, and especially in an age when animal welfare needs should be central to progress in pre-cision livestock farming.”

The study involved researchers from the University of Plymouth, University of Roehampton, SRUC, and Newcastle University.

Why you should listen to your newly hatched chicks

THE Australian Government is spending $36 million to support agricultural show societies in recovering from the effects of COVID-19, ensuring they can continue after the pandemic.

Deputy Prime Minister and Minister for Infrastructure, Transport and Regional Development Michael McCormack said the COVID-19 pandemic had hurt agricultural shows, with most expected to be cancelled for 2020 in the interest of public health and social distancing measures.

“Agricultural shows are part of the fabric of regional Australia, showcasing everything positive about our communities and local industries,” the Deputy Prime Minister said.

“These shows are estimated to contribute $1 billion to the economy each year and attract six million patrons annually, supported by 50,000 volunteers.

“They create social bonds and improve mental health in parts of regional Australia where distance, drought, bushfires and now COVID-19 have caused significant hardship and distress.”

Minister for Agriculture, Drought and Emergency Management David Littleproud said the Supporting Agricultural Shows program will provide a one-off reimbursement to agricultural show societies to deal with cash flow pressure caused by COVID-19-related cancellations of agricultural shows.

“This funding supports not only the big Royal Shows in each capital but right down to the small country shows because we acknowledge the role shows play in connecting agriculture and regional Australia to metropolitan Australians,” he said.

“There is a real risk if we don’t help that not only could Royal Shows cease to function in the way they are now but also those small shows.

“In addition, $100,000 will go towards supporting the Agricultural Shows Australia rural ambassador program, which will enable the vital community work the ambassadors perform in regional Australia to continue.

“I encourage any state and territory counterparts to also make a contribution to help agricultural shows survive the impact of COVID-19 because of the positive impact they have on their economies.

“This funding complements the Australian Government’s existing $20 million Regional Agricultural Show Development Grants Program and will be provided under the $1 million Relief and Recovery Fund, which is supporting regions, communities and industries sectors that have been disproportionately affected by the coronavirus crisis.

The $36 million Supporting Agricultural Shows program comprises three components:

• $10 million in operational support for local show societies. Shows will be able to claim up to $10,000 if their attendance last year was less than 2000, up to $15,000 if their attendance was between 2000 and 4999 and up to $20,000 if their attendance was over 5000.

• $26 million in operational support for Royal Agricultural Show societies, which can additionally be used to claim for unrecovable costs associated with preparing for the cancelled show.

• $100,000 in operational support for Agricultural Shows Australia’s Rural ambassador program.

All agricultural shows that had level bided their show in 2020 because of COVID-19 will be eligible and they will not have to compete for assistance.

Eligible reimbursement costs are expected to include: bank fees, utilities, rates, insurance, fire alarms and equipment, cleaning supplies, telecommunications, IT system licensing costs, website costs, state/national showbody affiliation costs, and rent.


$36 million for our agricultural communities – shows to go on

THE Australian Government is spending $36 million in support of our agricultural communities. Agricultural shows are part of the fabric of regional Australia, showcasing everything positive about our communities and local industries.

“Supporting agricultural shows is key to the positive impact they have on their economies,” Mr McCormack said.

“All agricultural shows that bidied their show in 2020 because of COVID-19 will be eligible and they will not have to compete for assistance,” Mr McCormack said.

Eligible reimbursement costs are expected to include: bank fees, utilities, rates, insurance, fire alarms and equipment, cleaning supplies, telecommunications, IT system licensing costs, website costs, state/national showbody affiliation fees and rent.


MultiCube Bedding Cubes

Available in bulk or 20kg bags

Contact Us:
Bryce Riddell
0408 550 125
bryce@multicube.com.au

www.multicube.com.au
Paltry returns for poultry meat farmers

NSW Farmers is concerned for contract poultry farmers who are struggling to operate in an increasingly consolidated market, with many being forced from the industry.

NSW Farmers president James Jackson said most Australians would not be aware of the competition issues plaguing the poultry meat industry and that contract growers, including chicken, turkey and duck farmers, need greater support.

“Most Aussies know about the issues in the dairy sector with $1 a litre milk, but not too many know about what’s happening in poultry,” he said.

“Chicken is by far the most affordable meat on supermarket shelves, making it a popular protein choice for consumers. Australians now eat over 47kg per person of chicken per year, but over 47kg per person for consumers.

“Australians now eat over 47kg per person of chicken per year, but poultry meat farmers are getting paltry returns.

“There are problems at retail with the price of chicken being kept artificially low, and problems at the processor stage, with limited competition restricting the ability of farmers to negotiate their contract terms.

“Though the market for chicken is national, the market for growing services is geographically fixed.

“Over the past decade, we’ve seen the closure of multiple chicken processing plants in NSW and this has left growers with virtually no choice in who to contract to in their region.” The situation has weakened the bargaining power of farmers, restricting their capacity to negotiate fair contract terms.

“Worse still, many growers have been left with stranded assets and no ability to contract to a different processor,” Mr Jackson said.

“The lack of competition in our supply chain has unfairly disadvantaged our farmers. The poultry meat industry does not reflect normal market conditions, and we are supportive of investigations being made into the industry.”

“The ACCC is aware of potential competition and unfair trading issues in the chicken meat industry and has confirmed it will conduct an initial review of the sector.

“This review, though a positive step, will not compel stakeholders to provide information nor government to act on recommendations.”

“NSW Farmers is calling for a Treasury-directed ACCC inquiry into the poultry meat industry, which is more thorough than a market study.” Mr Jackson said.

“This will clearly show the state of the industry and better highlight avenues of reform to support fair and effective competition.

“Similar to the dairy industry, we believe there is a need for a mandatory code to ensure contracts are fair and enable a sustainable supply chain into the future.

“A Treasury-led inquiry will demonstrate this need.”

The Australian Poultry Science Symposium 2021 is going ahead

THE Poultry Research Foundation, in conjunction with World Poultry Science Association Australian Branch, cordially invite you to the 32nd Australian Poultry Science Symposium at University of Sydney, Camperdown Campus on Tuesday, February 9 to Wednesday, February 10, 2021.

The Australian Poultry Science Symposium is the premier avian science conference in Australia, attracting delegates from across the country and around the world.

The conference will focus on the overarching theme of ‘social license for production of poultry’ and will be presented as a hybrid event, meaning there will be a physical event in Sydney as well as streaming live online so that delegates can attend from their workplace or home.

In these unprecedented times, it was vital that international attendees could still participate in this world-renowned event, so by using one of the most cutting-edge conference platforms, the event will open globally, and potentially to an even larger audience than ever before.

It is predicted there will be a decrease in physical attendees, and so the decision was made to move the actual event back to the University of Sydney Campus.

Though held at the Sheraton in Sydney’s CBD for the past four years, which was very successful, it was not feasible for 2021 as numbers will obviously be impacted.

However, organisers are optimistic that the virtual event will help increase the exposure of the conference and put it in a positive position for many years to come.

As always APSS will continue to feature an array of excellent speakers, as well provide delegates with opportunities to network and communicate by offering a lively social program for both physical and virtual attendees.

Save the dates – Tuesday, February 9 to Wednesday, February 10, 2021 – and start writing your papers.

Online paper submissions will open on Wednesday, July 1, 2020. For more information, visit apss2021.com.au

32nd Annual Australian Poultry Science Symposium
9 – 10 February, 2021

Fendona® Plus 60SC

Insecticide

- Specifically developed for use within poultry sheds, for the control of litter beetles and a range of flying and crawling insects
- High performance residual insecticide offering rapid knockdown
- Low dose formulation provides the flexibility of a clean-out and maintenance application rate

For more information on Fendona Plus 60 SC, visit crop-solutions.basf.com.au or contact your local CCD Representative on 1300 791 009

@basfpestcontrolau

ALWAYS READ AND FOLLOW LABEL DIRECTIONS.

© Copyright BASF 2019 ® Registered trademark of BASF, W239831 12.2019

Distributed by

www.poultrynews.com.au

National Poultry Newspaper, July 2020 – Page 5
Melinda Hashimoto is a CQU alumnus and the CEO of Egg Farmers of Australia. She is also the Sunny Queen Australia CEO and has been in the top job since 2012. This role allowed her to cruise out after 18 years of managing a farmer-owned giant which originally was the Tulip Queen, which proved to be a masterstroke.

In 2016, a substantial investment of $40 million in a new egg processing factory at the Brisbane suburb of Carindale was a journey she learned from. This value-added egg business, both practical and theoretical. Sometimes in life you need to take risks and be prepared to move around to gain experience.

The experience in fast-paced environments helps a great deal.

One challenge I have found is working with policy advisers who have never lived in the regions or have no experience with agriculture.

When considering policy issues these advisers do not come with that lens and I have found my perspective has been helpful in improving policies.

“Everyone has different knowledge and experience and we can always learn from one another,” Melinda said.

Sunny Queen Australia CEO

SUNNY Queen Australia CEO John O’Hara recently finished up as Sunny Queen Australia CEO. Photo: Ipswichfirst.com.au

Recipe

Potato tortilla with chive mayonnaise

INGREDIENTS

Mayonnaise

- 4 egg yolks
- 500ml vegetable oil
- 2 teaspoons of Dijon mustard
- Juice of 1 lemon
- Salt, to taste

Caramelised onions

- 2 onions, sliced
- 2 tablespoons of oil
- 3 tablespoons caramel
- Small bunch of flat leaf parsley

Potato tortilla

- 1.5kg potatoes
- Small amount of oil
- 10 eucalyptus leaves
- 2 tablespoons of Mayonnaise
- 50ml vegetable oil

For more recipes, visit australianeggs.org.au

1. Peel the potatoes. Cut into 2cm cubes and boil for 15 minutes.
2. While you continue to blend, slowly and steadily pour in the oil to combine it with the yolk. Once thick, stop blending and fold in the chopped chives and season to taste with salt and pepper. Caramelised onions

3. In a pan over medium heat, add the oil for the caramelised onions. Once hot, add the sliced onion and cook for 5 minutes or until caramelised. Leave aside to cool.

Tortilla

1. Mix the eggs and cream for the tortilla, then add the cooled caramelised onions, sliced onion and parsley. Leave to cool.

Mayonnaise

1. Place the egg yolks into a jar with representing juice and a pinch salt. Using a stick blender or mixer, blend the yolks to a paste.

John O'Hara recently finished up as Sunny Queen Australia CEO. Photo: Ipswichfirst.com.au

CQU alumnus Melinda Hashimoto is Egg Farmers of Australia CEO.
The perfect production partnership

At SBA, we know the perfect egg begins with a quality layer. That's why we've spent over 50 years ensuring our customers benefit from a dependable supply of genetically superior Hy-Line and Lohmann day-old chicks and point-of-lay pullets.

As the largest specialist supplier to Australia’s egg farms, we continue to invest in the world’s most technically advanced breeding facilities – and offer on the ground husbandry and technical advice so you can continuously improve productivity, feed conversion and egg quality.

At SBA, quality is just part of our DNA.
Uni fee reforms a boon for agriculture industry

THE cost of studying agriculture at university will be slashed from 2021 under an Australian Government higher education funding plan aimed at producing graduates for high-priority jobs for growth sectors.

Agriculture Minister David Littleproud said the whole agriculture sector will continue to thrive post-COVID-19 and will be helped by more access to educated, highly skilled workers.

“This announcement by the Education Minister that students who study agriculture will pay 62 percent less for their degree reinforces the sector’s status as an essential, high-growth industry,” Minister Littleproud said.

“These reforms recognise the farming sector will lead Australia’s economic recovery out of COVID-19 and towards the A$2030 $100 billion target.

“We have the brightest agricultural minds in Australia and the best farmers in the world.”

The Australian agriculture industry is changing, including the adoption of technology, advanced equipment and new farming techniques, and the emergence of internationally competitive industry and business structures.

“The workforce and skill needs of the industry are changing too and this announcement means it will be more accessible for people to upskill for the breadth of agriculture, agribusiness and ag-tech jobs available today and in the future,” Minister Littleproud said.

“The announcement by Minister Tehan supports our focus on securing Australia’s food security supply chain and harnessing export opportunities.

“These reforms will also allow us to support more regional, rural and Indigenous students to access higher education, because we believe every Australian should have access to a world-class education.”

Uni fee reforms a boon for agriculture industry

A family east of Geebung has begun infusing a smoky flavour into raw eggs through the pores of the shells, and in doing so increasing their shelf life from five months.

Julie Kos from the Smoked Egg Company said it took years to perfect the world-first product and clinical testing proves the smoking process eliminates bacterial growth and essentially stops the ageing process of the eggs.

“People just didn’t understand, they heard the word 'smoked' and they thought it was a boiled egg, which it wasn’t – it’s a slow smoke,” she said.

The idea began when Julie purchased the 75,000 at a small factory in Werribee, to understand the action that the smoking process has upon salmonella species.

“After eight weeks a normal egg had 21 million bacteria and the smoked egg had nothing,” she said.

“This is a unique equation of time, temperature, humidity, volume of smoke and volume of product.

We smoke and chill to freeze point and that sets it apart.

“We’re the first people to smoke eggs commercially.”

All eggs can harbour harmful bacteria, such as salmonella, which can have devastating health effects and Ms Kos said having a safe egg was important for people with vulnerable immune systems.

“We’ve got a safe egg for pregnant women, young children or people who are ill and should be eating bacteria-free food – and now we’ve got nature’s own vitamin capsule that is bacteria-free,” she said.

The smoky flavour of the eggs is praised by chefs at some of Melbourne’s high-end restaurants and the shelf life of the product is applauded too.

Chef Johnny Di Francesco has incorporated the smoked eggs into his menu at his Melbourne high-end restaurant Grad_bytes.  

“The reason why I use smoked eggs is because the technology that is being used, the egg is so much safer to use, the shelf life of it is so much longer,” he said.

But as with any natural product, there is some variation between the taste of each egg depending on the age of the chicken that produced it.

“Sometimes you get a stronger hit than others and it really depends on the size of the egg,” Ms Kos said.

“We can’t control the natural pores in an egg, so sometimes the flavour isn’t as strong, but most of the time it’s a nice strong flavour.”

The business buys in eggs, which are cold-smoked in groups of 75,000 at a small factory off-site.

“Don’t use our own eggs as Kossies Free Range Eggs have a beautiful creamy flavour which gets masked by the smoke,” Mr Kos said.

But when the smoked egg was still in the research phase, the Kos’s discovered the process achieved more than just imparting the egg with flavour.

Ms Kos noticed the egg whites were not breaking down in smoked eggs, so she wanted to discover if the system was also pasteurising the eggs.

The Kos’s-funded research into the Smoked Egg Company to complete food safety testing with the CSIRO in Werribee, to understand the action that the smoking process has upon salmonella species.

“After eight weeks a normal egg had 21 million bacteria and the smoked egg had nothing,” she said.

“It’s a precise equation of time, temperature, humidity, volume of smoke and volume of product.  

“We smoke and chill to freeze point and that sets it apart.

“We’re the first people to smoke eggs commercially.”

All eggs can harbour harmful bacteria, such as salmonella, which can have devastating health effects and Ms Kos said having a safe egg was important for people with vulnerable immune systems.

“We’ve got a safe egg for pregnant women, young children or people who are ill and should be eating bacteria-free food – and now we’ve got nature’s own vitamin capsule that is bacteria-free,” she said.

The smoking process that the eggs are subjected to includes a pasteurising the eggs.

Scientists also discovered the unique- ness of the flavour – you can’t get that through just smoking a dish.

“When I brought the smoked egg back from the CSIRO, I thought, wow this is an awesome product to experiment with.”

Mr Di Francesco said the eggs could be used in a versatile range of foods and can replace the flavour of smoked meat in vegetarian dishes.  

Kemin’s Feedmill Salmonella Control Programme

Safely protect your feedstuffs and animal populations from Salmonella contamination with Sal CURB™ and FormaXOL™. Kemin delivers technical expertise and support, laboratory testing services, application engineering solutions, and safety training to meet your needs. Trust Kemin and Sal CURB and FormaXOL to become a key part of your comprehensive pathogen control program.
Now is the time to be a change maker: Nuffield applications are open for 2021

Australia’s food security among the world’s best

FOLLOWING a re-emergence of panic buying behaviour, Agriculture Minister David Littleproud has moved to reaffirm that Australia’s food security is among the best in the world.

“People should not be panicking,” Minister Littleproud said.

“Our agricultural sector is ensuring we produce enough food for 75 million.”

Australia has reliable, secure supply chains from the paddock to the kitchen.

“We continue to engage with state and territory governments to ensure supply lines remain open,” Minister Littleproud said.

He said panic buying behaviour was completely unnecessary.

“No one needs to panic,” he said.

Australia has the world’s best food security, he said.

FOLLOWING the emergence of panic buying behaviour, Agriculture Minister David Littleproud made it crystal clear that Australia’s food security was among the best in the world.

“We continue to deliver food supply chains from the paddock to the kitchen,” Littleproud said.

“We have been through worse in the past three months and we will get through for Australians with flying colours.”

Now is the time for emerging change-makers to be a part of solutions through the Nuffield Scholarship program, Ms Redcliffe said.

“The program opens doors that expose them to new ideas and an environment that expands their big-picture thinking,” Ms Redcliffe said.

“On completing their research, scholars become part of our 460-strong Nuffield alumni in Australia and a group of 1800 worldwide, which is a network of influential and forward-thinking farmers,” Ms Redcliffe said.

Successful recipients of the 2021 Nuffield Scholarships will be awarded during the Nuffield Australia National Conference to be held in Brisbane on October 26, 2020.

To find out more on the 2021 Nuffield Scholarship program, visit nuffield.com.au/copy-of-nil-eligibility-value-tenure-1.jpg

Call Now 07 3829 3242
Visit Our Website ausagservices.com.au

Nuffield Australia CEO Jodie Redcliffe.

2020 Nuffield Scholar Johnny Gardener.
### Improving regional workplace safety

The NSW government is helping businesses return to normal trade through the launch of a new suite of regional workplace safety guidance. "Our priority is to keep workers safe.……" Mr Anderson said. The materials available include practical, inexpensive guidance to keep your workers safe during this time. Common misconceptions for agricultural workers are you can’t ride in a car with others or that you can’t hire seasonal workers anymore. That’s simply not true. So long as you have the right measures in place. Some of the measures agricultural businesses and farms can take include:

- Avoiding close contact in vehicles and lowering windows for ventilation;
- Checking that workers are not displaying COVID symptoms;
- Ensuring drivers are social distancing with loading stock minimise contact with handlers;
- Communication over phone or radio rather than in person where possible; and
- Contracted delivery drivers through electronic paperwork rather than signatures on delivery.

The new campaign materials including signs, posters, fact sheets and checklists are all available at new.gov.au/covid-19/industry-guidelines/agriculture.

### Biosecurity and what it means to Australia

Australia is currently free of the world’s worst animal diseases such as African swine fever, foot-and-mouth disease and avian influenza. Animal pests and diseases are a major threat to Australia’s livestock and poultry industries and an outbreak could impact on our access to export markets and undermine livelihoods.

There is an ongoing need to practice good biosecurity and report the first signs of disease. Biosecurity means protecting the economy, environment and the community from the negative impacts of pests, diseases, weeds and contaminants. Biosecurity practices should include disinfecting, cleaning, and the management of livestock and poultry movement. The last reported case in Australia was in 2004, with the last confirmed case in 2007. The severity of disease and impacts of a disease outbreak can be devastating to Australia’s meat and egg industries, which contribute enormously to the Australian economy. As an example, in 2003 the Netherlands culled over 30 million birds in an effort to eradicate the disease, the cost of which was more than A$252 million. The risk of a human pandemic influenza is serious. Each additional human case gives the virus an opportunity to increase its transmissibility in humans.

The severity of disease and estimated number of cases that would result from a pandemic will vary greatly and will not be known prior to the emergence of the virus. The last reported case in Australia was in 2007.

### Biosecurity and what it means to Australia

Avian influenza is a highly infectious disease of birds, which has been aware of this disease for many years. It is now known that this strain can be transmitted to humans. The disease can cause severe illness and even death. Avian influenza is a target disease for international agreements, such as the World Health Organization (WHO) and the Organisation for Animal Health (OIE). Australia is currently free of the world’s worst animal diseases such as African swine fever, foot-and-mouth disease and avian influenza. Animal pests and diseases are a major threat to Australia’s livestock and poultry industries and an outbreak could impact on our access to export markets and undermine livelihoods.

Common misconceptions for agricultural workers are you can’t ride in a car with others or that you can’t hire seasonal workers anymore. That’s simply not true. So long as you have the right measures in place. Some of the measures agricultural businesses and farms can take include:

- Avoiding close contact in vehicles and lowering windows for ventilation;
- Checking that workers are not displaying COVID symptoms;
- Ensuring drivers are social distancing with loading stock minimise contact with handlers;
- Communication over phone or radio rather than in person where possible; and
- Contracted delivery drivers through electronic paperwork rather than signatures on delivery.

The new campaign materials including signs, posters, fact sheets and checklists are all available at new.gov.au/covid-19/industry-guidelines/agriculture.

### Biosecurity and what it means to Australia

Australia is currently free of the world’s worst animal diseases such as African swine fever, foot-and-mouth disease and avian influenza. Animal pests and diseases are a major threat to Australia’s livestock and poultry industries and an outbreak could impact on our access to export markets and undermine livelihoods.

There is an ongoing need to practice good biosecurity and report the first signs of disease. Biosecurity means protecting the economy, environment and the community from the negative impacts of pests, diseases, weeds and contaminants. Biosecurity practices should include disinfecting, cleaning, and the management of livestock and poultry movement. The last reported case in Australia was in 2004, with the last confirmed case in 2007. The severity of disease and impacts of a disease outbreak can be devastating to Australia’s meat and egg industries, which contribute enormously to the Australian economy. As an example, in 2003 the Netherlands culled over 30 million birds in an effort to eradicate the disease, the cost of which was more than A$252 million. The risk of a human pandemic influenza is serious. Each additional human case gives the virus an opportunity to increase its transmissibility in humans.

The severity of disease and estimated number of cases that would result from a pandemic will vary greatly and will not be known prior to the emergence of the virus. The last reported case in Australia was in 2007.
Elanco’s pending acquisition of Bayer Animal Health

ELANCO Animal Health Incorporated recently announced that the European Commission has granted approval of Elanco’s pending acquisition of Bayer AG’s animal health business.

The company continues to progress toward a mid-year closing, anticipated August 3, 2020.

Elanco president and CEO Jeff Simmons said, “Approval from the European Commission is an important milestone towards the completion of our acquisition of Bayer Animal Health.”

“As the transaction edgess closer to fruition, we look forward to turning our full attention to delivering innovation and an expanded portfolio of solutions for farmers, veterinarians and pet owners across the globe.

“The recent months have only underscored the critical work our farmers do in delivering meat, milk, fish, and eggs, and the importance of providing pet owners and veterinarians with a variety of solutions in multiple channels from telemedicine and e-commerce to direct home delivery.

“Combining Bayer Animal Health’s leadership in these areas better positions Elanco to deliver on these needs.

“The complementary nature of this transaction, combining Elanco’s longstanding focus on the veterinarian with Bayer’s direct-to-consumer expertise, will strengthen and accelerate the company’s innovation, portfolio and strategy.

“The transaction advances Elanco’s portfolio transformation, creating a balance between the farm animal and pet businesses.

“It will also expand Elanco’s omnichannel approach, substantially diversifying its pet health business into the retail segment. European channels as Elanco continues to determine the best method for reaching pet owners and veterinarians.

“Elanco previously announced that antitrust agreements in the range of $275 million to $320 million of revenue may be concluded promptly on the completion of the transaction.

“The E.C. approval is conditional on several proposed divestitures.

“In addition to EC approval, Elanco has received antitrust clearance for the transaction in China, Colombia, South Africa, Turkey, Ukraine, Vietnam, and provisional clearance in Brazil.

“Elanco continues to cooperate with agencies in other jurisdictions.

“Further, Elanco fully secured financing early in the first quarter of 2022 to complete the transaction through its completed equity issuance and pricing of its Term Loan B, which will fund at deal close.

“The transaction remains subject to additional regulatory approvals and customary closing conditions.

Free trade talks with the UK

FREE trade talks between the UK and Australia officially began on June 29 as Australia looks to shore up trade relationships beyond China.

Australia’s Trade Minister Simon Birmingham announced the formal start of trade talks after years of background negotiations between the UK and Australia.

“The Australian government hopes to finalise a deal within the year, a much quicker pace than it usually takes to reach an agreement.

“Australia will be looking to secure better market access for goods exports, especially in agriculture, and high standard rules for digital trade and investment to expand our already deep economic relationship,” Mr Birmingham said.

“Despite the potential benefits of a UK trade deal, its value will pale in comparison to Australia’s exports to China.

“Economists estimate that Australia’s exports to China were worth around $150 billion in 2019.

“Australia’s National Farmers’ Federation welcomed the announcement of the trade talks.

“NFU president Fiona Simson said the negotiations indicate a renewed focus on the interests of farmers.

“As a collective, Australian farmers export about two thirds of what they produce, with expanded export markets key to the agricultural sector’s continued growth.

“The UK Australia free trade agreement represents an opportunity to build on what are already strong trade ties in the region,” Ms Simson said.

“We look forward to our two governments arriving at an agreement, which will allow UK consumers to continue enjoying the Australian produce they have come to know and love.”

“The removal of these barriers is necessary to ensure Australian farmers can engage in fair and healthy competition with their UK counterparts,” Ms Simson said.

“We know that what’s important to Australians in terms of how our food and fibre is produced, is also important to the people of the UK.

“Our standards in relation to animal welfare, food safety, labour and the environment are exemplary, and are tailor-made to suit the unique circumstances of Australian agriculture.

“Australia’s regulatory systems are world-class.

“We are firmly committed to ensuring these standards are not compromised.”

“Continuing to expand and diversify Australia’s trade profile is crucial to supercharge the nation’s COVID-19 economic recovery.

“The farm sector and regional Australia are well placed to accelerate a return to the economic prosperity Australia has become accustomed to,” Ms Simson said.

“NFU is optimistic that negotiations could be concluded promptly, so the benefits for both countries could be realised in these universally tough economic times.”

Supreme Court overturns Ingham’s feed mill development approval

THE WA Supreme Court has denied poultry producer Ingham’s development approval for its chicken feed mill northeast of Perth.

The proposed development was to incorporate a poultry farm on Wanneroo Rd in Sina gra, and Ingham’s said it still planned to relo cate off that site, which Stockland bought in 2017.

Supreme Court Justice Jeremy Allanson granted an application to overturn development approval for the $24 million feed mill in Muchea, determined by the then-Mid-West/ Wanneroo Joint Development Assessment Panel last August.

The proposed feed mill was to be located on a Brand Highway property owned by White Toro Pty Ltd, however investment company Harvis Capital lodged the Supreme Court application to overturn the panel’s decision.

Harvis argued the use was not permitted in the agricultural resource zone, and approving the development undermined the viability of its own Brand Highway livestock holding, Muchea Industrial Park.

It was concerned the approval would set a precedent that could encourage other developments on less expensive agricultural resource land, and make it harder to attract buy ers to the industrial estate.

Justice Allanson handed down his judgement on June 11 that the feed mill operation was not a rural industry use and therefore could not be approved in the agricultural resource zone.

The proposed development was for a 24/7 feed mill to process grain and meat into pellets that would be sent to Ingham’s customers, and for six large silos.

An Ingham’s spokes man said the company’s legal department was reviewing the court’s decision.

“The delays created by the court process have inevitably impact ed Ingham’s plans in WA,” he said.

“We are committed to strong foundations in WA.

“Our plans to grow with our customers and continue to deliver high-quality Ingham’s chicken products are unchanged.

“We are reviewing our plans, but our exit from Wanneroo remains on foot with work on our new hatchery under way.”

The panel approved plans for a 1.5 category hatchery that could accommodate up to 1.5 million one-day-old chicks at Muckenburra in the Shire of Ginnin last year and approved $20 million of development commitments to those plans in April.

The Supreme Court decision was raised during a Murrumburrah Silk DAP meeting on June 18, with lawyers for Harvis arguing another application for a feed grain mill in the City of Swan should not be classed as rural industry use.

Harvis planned to subdivide the 40ha Wanneroo Rd site for 600 to 700 homes, with development expected to take place in about 20 years.

Planning documents lodged with the City of Wanneroo in June and August 2019, Ingham’s lease for the property was due to expire next December, with an option to extend it by 12 months.

“Planning documents were not a rural industry application as Harvis sought to take in excess of 5000 people to work on our new hatchery,” Mr Allanson said.

“The Supreme Court decision should bring an end to the process, with Harvis now free to pursue another development on another site.”

The WA Supreme Court has denied poultry producer Ingham’s development approval for its chicken feed mill northeast of Perth.

“The proposed development was to incorporate a poultry farm on Wanneroo Rd in Sina gra, and Ingham’s said it still planned to relo cate off that site, which Stockland bought in 2017.

Supreme Court Justice Jeremy Allanson granted an application to overturn development approval for the $24 million feed mill in Muchea, determined by the then-Mid-West/ Wanneroo Joint Development Assessment Panel last August.

The proposed feed mill was to be located on a Brand Highway property owned by White Toro Pty Ltd, however investment company Harvis Capital lodged the Supreme Court application to overturn the panel’s decision.

Harvis argued the use was not permitted in the agricultural resource zone, and approving the development undermined the viability of its own Brand Highway land holding, Muchea Industrial Park.

It was concerned the approval would set a precedent that could encourage other developments on less expensive agricultural resource land, and make it harder to attract buy ers to the industrial estate.

Justice Allanson handed down his judgement on June 11 that the feed mill operation was not a rural industry use and therefore could not be approved in the agricultural resource zone.

The proposed development was for a 24/7 feed mill to process grain and meat into pellets that would be sent to Ingham’s customers, and for six large silos.

An Ingham’s spokes man said the company’s legal department was reviewing the court’s decision.

“The delays created by the court process have inevitably impact ed Ingham’s plans in WA,” he said.

“We are committed to strong foundations in WA.

“Our plans to grow with our customers and continue to deliver high-quality Ingham’s chicken products are unchanged.

“We are reviewing our plans, but our exit from Wanneroo remains on foot with work on our new hatchery under way.”

The panel approved plans for a 1.5 category hatchery that could accommodate up to 1.5 million one-day-old chicks at Muckenburra in the Shire of Ginnin last year and approved $20 million of development commitments to those plans in April.

The Supreme Court decision was raised during a Murrumburrah Silk DAP meeting on June 18, with lawyers for Harvis arguing another application for a feed grain mill in the City of Swan should not be classed as rural industry use.

Harvis planned to subdivide the 40ha Wanneroo Rd site for 600 to 700 homes, with development expected to take place in about 20 years.

Planning documents lodged with the City of Wanneroo in June and August 2019, Ingham’s lease for the property was due to expire next December, with an option to extend it by 12 months.

“Planning documents were not a rural industry application as Harvis sought to take in excess of 5000 people to work on our new hatchery,” Mr Allanson said.

“The Supreme Court decision should bring an end to the process, with Harvis now free to pursue another development on another site.”
Support for farmers facing biosecurity trespasser threats


“Our farmers and agri-cultural businesses should be free to do their work without fear of being tar-geted by animal activist groups, who put hard-working farming fami-lies, biosecurity and the animals they purport to protect at risk,” Minister Symes said.

“These recommenda-tions are not just about deterrence, but also edu-ca-tion – the public de-serves to know just how hard farmers and agricul-tural businesses work to keep their animals safe and well looked after.”

The Inquiry’s findings identified further steps to strengthen approaches to animal welfare and biosecu-rety, to build and main-tain public confidence in agriculture. The Government’s re-sponses consider the 15 recommendations in full, in principle and did not support one recom-mendation. Recommendations sup-port included incorpo-ration on the spot fines for biosecurity breaches caused by trespassers. The Government will introduce this legislation with a view to making such fines for this behaviour amongst the heaviest in Australia. Other supported recom-mendations include work with farmers in de-veloping biosecurity man-agement plans and actions on animal welfare com-plaints for better public education, and the consid-eration of closed-circuit cameras in widespread use.

The government is already acting to strengthen animal welfare in Victoria through several initia-tives, including the enactment of the Prevention of Cruelty to Animals regulations.

The Inquiry was con-ducted by the Victorian Parliament’s Legislative and Infrastructure Committee in 2019 following several illegal activities in the name of animal activism. The government is committed to maintaining Victoria’s high level of biosecurity.

The 2019/20 Victorian Red tickets include $3.15 million boost to the state’s biosecurity – the largest investment of its type in the history of the state.

Wash down poultry sheds with the Aussie Muck Off 125.

Wash down poultry sheds with the Aussie Muck Off 125. MultiCube hay crop baled and on the conveyor.

The size of each bedding cube is around 40mm.

Production of the unique bedding cubes.

MultiCube bedding cubes for broilers

ESTABLISHED in 1989 as a family owned farm, MultiCube is located along the Murray River in the fertile agricultural region of northern Victoria and southern NSW and produce irradiated lucerne hay crops and dry land eaten hay crops. In the early 1990s, the family installed its first hay cubing plant, producing lucerne cubes for the Australian domestic mar-ket.

This has grown to a triple-head system, with MultiCube now produc-ing hay cubes, double-compressed bales of hay and straw, and the unique bedding cubes. MultiCube bedding cubes were conceptu-alised and developed by brothers Murray and Bryce in 2015. After a few phone calls, they had arranged to pro-vide samples to a local broiler farm, which was a corporately run farm for one of the larger integra-tors. It was this opportunity that provided the first large-scale test for the high absorption capacity of the bedding cubes. When a drink down line leaked and a large amount of water swamped one section of the shed, the bedding cubes were ap-piled, and within a few hours a very healthy moisture had been absorbed. Through well-managed variations, the litter was restored to a level that the batch was then able to continue. It was this first application – with no pump intended – was the sink or swim moment for MultiCube bedding cubes. This has led to this oppor-tunity to further develop the MultiCube bedding cubes.

Over the course of multiple trials and variations, the current specifi-cations of MultiCube bedding cubes were set on. The bedding cubes are currently available in bulk, which is a premium stand-alone bedding, how-ever they also work extremely well when mixed with shavings, to dry out green shavings and to in-crease the absorption ca-pacity of shavings. Another very user-friendly packing is MultiCube compressed and wrapped bales are 20kg in weight, easy to move and work with when needed, and dry out. The user-friendly compressed and wrapped bales are available Aus-tralia wide.

MultiCube supplies about 20,000 tonnes of both hay and straw prod-uct to domestic and export markets.

For further information on MultiCube products, contact Peter Moore on 0419 188 362 or sales@ multicube.com.au or visit multicube.com.au

For all your livestock needs

Provides high quality products. Delivered on time. At competitive pricing. Supported by the best. Available technical service in animal and livestock nutrition.

For more information, visit the Farm House-hold Allowance website at agriculture.gov.au/ag-farm-food/drought/ Extending Farm Household Allowance relief payments

The Australian Gov-ernment is extend-ing the availability of the Farm Household Allowance relief pay-ment for three months, providing $2.1 million to eligible farmers and their families. Agriculture Minister David Littleproud said the payments would support farmers who require more breathing space to begin to re-cover or make difficult decisions about their future.

"Farmers and their partners will automati-cally receive $13,000 for each single person, rough-ly equivalent to six months of the standard FHA payment, if they exhaust their FHA pay-ments between July 1, 2020 and September 30, 2020," he said.

"Our changes to the FHA over the past year are making it easier for farmers and their part-ners to access support in times of hardship. This includes better access to financial and case management support, as well as the expansion of FHA to support farmers who earn a greater amount of off-farm income. "Australia’s farmers are among the best in the world and we are committed to backing them on their path to recovery."

For more information, visit the Farm House-hold Allowance website.
OQ fails to deliver electricity price spark

THE Queensland Competition Authority has failed to deliver the spark that farming businesses on transitional and obsolete tariffs need with the release of their final determination on 2020-2021 regulated retail electricity prices for regional Queensland yesterday.

Queensland Farmers’ Federation President John Jackson said the final determination included some good news for regional households who would see typical bills fall by 5.9 per cent, and small businesses by 3.2 per cent.

“However, it is very disappoointing the QCA has maintained price levels for irrigation businesses on transitional and obsolete tariffs for the third year in a row, particularly during this difficult economic period,” Dr Davis said.

“In a further blow to our farming community, there appears to be nothing in the final determination that will offer highly seasonal businesses greater flexibility with tariffs that better match the seasonality of use.”

It is also disappointing that the new suite of tariffs, required to be suitable for a range of small agricultural activities and due to commence July 1, 2021, have not yet been released.

“QFF calls for the QCA to be directed to price these new tariffs by October 1, 2020 to give farmers some time to assess the new retail tariffs and decide what is best for their business and if any structural change or new equipment is needed.”

“As farmers now turn to their economic recovery, what they need more than ever is affordable electricity and price certainty to ensure their viability producing Queensland’s food, fibre and foliage into the future,” www.qff.org.au

Norwegian supermarket chain wins international chicken welfare award

REMA 1000 Norway, a large supermarket chain in the country, has worked hard to improve broiler welfare.

Its progress has been recognised by winning the prestigious Good Chicken Award from the organisation Compassion in World Farming for its policy.

REMA 1000 will be the first retailer in the world to fully implement the industry welfare standard Better Chicken Commitments, required to be used by brands such as KFC and Marks and Spencer.

While many brands have committed to the internationally acknowledged industry welfare standard, REMA 1000 is far ahead in terms of implementation, having already met the major conditions for all fresh, frozen and processed products.

Full compliance will be met in 2021. This makes REMA 1000 Norway effectively the first large retailer, with 642 stores across the country, to implement the best minimum conditions for broilers in the world.

This involves securing better welfare for what amounts to 12.5 million broilers a year, which equals 32 percent of the broiler retail market in Norway.

Open Cages CEO Connor Jackson is impressed with REMA 1000’s new policy.

“This is a milestone for chickens specifically, and a significant step for animal wellbeing in general,” Mr Jackson said.

“We should not underestimate the potential impact of REMA 1000’s decision to improve the lives of chickens in the entire retail sector.

“The fast-growing chickens are heartbreakingly to witness, and REMA 1000’s bravery in removing them should be a beacon of light for every retailer to follow.

“According to Open Cages, REMA 1000 Norway’s level of commitment to chicken welfare is unique. It is exceeded only by wholly organic retailers due to the specific requirements pertaining to organic products.

“UK supermarkets such as Tesco have fallen under increasing criticism for their inaction on chicken welfare.

“With multiple undercover investigations published in 2019 showing the reality of Tesco chicken farming, celebrities including Joanna Lumley (actress) and Chris Packham (TV presenter) called for the retail giant to safeguard the wellbeing of these animals by signing the commitment.”

Significant welfare problems

Fast-growing chickens have become a topic of controversy recently.

Multiple animal protection organisations have called attention to the significant welfare problems pertaining to fast-growing broilers.

According to a Danish study, about 77 percent of fast-growing chickens can’t walk normally. The Better Chicken Commitment requires a slower-growing breed, which significantly lowers the risk of disease and reduces the move- ment problems of the birds.

Furthermore, it lowers the stocking density, giving the chickens more space to move, as well as pecking substrates and perch space.

Open Cages works to secure Better Chicken Commitments from retailers and other vendors across Europe, as part of Anima International.

Recent commitments from major vendors such as REMA 1000 Norway have resulted in UK supermarkets falling further and further behind on animal wellbeing.

Despite being the subject of multiple Open Cages investigations last year, Tesco – the largest supermarket in the UK – has yet to agree to the Better Chicken Commitment.

Stop struggling with inferior equipment

A SOUTH Australian potato and carrot grower ended one of their processing frustrations recently by switching from a poor quality, unreliable centrifugal pump to a more robust and reliable Gorman-Rupp pump.

The producers are now using the Gorman-Rupp UB18605-B pump to successfully and easily wash dirt from the vegetables and are planning more end- uses for this versatile piece of equipment.

The pump has been chosen in this size to enable future expansion of their plant and will additionally be used for irrigation and transfer from the overflow dam to the irrigation dam.

The growers are very happy with the new pump and that it is saving time and frus- tration, and above all is performing beyond their expectations.

For further information, contact our pump experts at hydroinnovations.com.au
Here’s my Card

This is a quick and easy way to locate the right people for any number of specialist services and facilities in the poultry industry. Whatever the job you need to accomplish, here’s a group of business cards that guarantee you the best available.

Rosetta Management Consulting Pty Ltd
Poultry Health, Welfare and Food Safety

Rod Jenner B.V.Sc (Hons)
Veterinarian
34 Norman Drive
Cornubia, Qld 4130
0418 877 521
rod_jenner@hotmail.com

TECHNICAL SYSTEMS AUSTRALIA
Scotty Miller
DIRECTOR
PO Box 30, Donnybrook QLD 4510 AUSTRALIA
86 Berrburrum-Donnybrook Road, Donnybrook
PHONE: 07 5429 2028 INT: +61 7 5429 2028
MOBILE: 0424 413 484 FAX: 07 5429 2038
EMAIL: scotty@tsa.tech WEB: www.tsa.tech

Suppliers of Elite nutrition and solutions
NATIONAL FEED SOLUTIONS Pty Ltd
Kym Miller 0439 066 054
Luke Steibnaker 0439 066 006
Bill Steibnaker 0400 500 203
Kate Parry 0448 340 619

BC@PR
Managing Director
T +61 8 9430 9463
M +61 417 930 536
E brendon@iinet.net.au

BCAPR Pty Ltd (ACN 159 299 966)
PO Box 749 South Fremantle
Western Australia 6162

John Hawes
BScNano(Hons), MBA
National Sales Manager
Bulk Storage Division
12 Keith Campbell Court
Scoresby Vic 3179
+61 (03) 9702 4855
Facsimile: (03) 9702 4865
0447 852 211
mhawes@lgpm.com.au

CREDIRED TO

REDUCE YOUR ENERGY COSTS WITH…
• Fan covers
• Door covers
• Brooder/air control curtains
• Thermal & blockout blinds
• Poultry shade sails
• Cool cell covers

Phone 1300 059 003
Email info@polytex.net.au
Web www.polytex.net.au
CAMBODIA is a country facing the numerous challenges of a developing nation. Many of its 11 million rural-based citizens are living in extreme poverty due to rampant corruption, limited education and inadequate resources and support to launch their own small poultry businesses from their backyards. Training and supervision of the project is overseen by poultry experts Jan Collins and Peter van den Akker, both from South Australia, to ensure best practice at international standard. The project funds the initial capital for construction of the biosecure shed and consumables, and the five-day-old vaccinated chicks are purchased with a micro-finance loan, which is paid back at the end of the project.

Example of carefully designed out-grower shed built in March 2020.

Out-grower farmer Mr Chor and Dana Asia CEO Duncan Power in front of the specifically designed shed.

Sustainability is built into the project with sheds constructed using local resources and labour, as well as specially designed double rooms to maintain environmental efficiency and encourage optimum productivity. Unique solar panels designed in South Australia provide clean, toilet-free free drinking water and electricity for chickens and pens. The first pilot out-growers on the program were Ms Lorni Salat and her husband Mr Chor. Due to an accident on a construction site, Chor is in a wheelchair and unable to work so Salat takes a leading role in earning income.

Salat had to drop out of school after Grade 2 to help provide for her family and went to work at the Siem Reap dumpsite – very dirty and dangerous work for a young child. Chor and Salat have two children and their family income was about $A170 per month, which was not enough to buy rice and send the children to school. Salat came from a family of farmers and joined the team at their training farm, and in December 2018 she was identified as a suitable candidate for the out-grower program. A specifically designed shed was built on their land, so Chor could help take care of the chickens despite his disability. Additional income from the out-grower program means Salat can afford to send her children to school and provide for her family.

Salat and Chor are achieving a remarkable 98 percent survival rate to point of slaughter. All donations are tax-deductible. For more information on the project, please contact admin@danaasia.org. For more information on the project, please contact admin@danaasia.org. For more information on the project, please contact admin@danaasia.org.
NEED HEATERS OR PARTS? WE WON’T LEAVE YOU OUT IN THE COLD

Contact AGCO Grain & Protein for all your Hired-Hand needs. We have a huge range of heater spare parts with stock currently available in Melbourne, Brisbane and Perth.

Hired-Hand heaters have been the trusted market leader in climate control systems for poultry operations over many farming generations, where they have been a part of the AGCO Grain & Protein stable for almost 10 years. You can rest assured that in these uncertain times we will remain open for business and that any parts ordered will be of the highest quality being backed by both the Hired-Hand and AGCO names.

This Winter warm to some prompt and professional service from AGCO Grain & Protein. Let us help you with all your poultry infrastructure needs.

CONTACT PETER LUTTERSCHMIDT AT AGCO GRAIN & PROTEIN FOR ALL YOUR POULTRY HEATER NEEDS.

AGCO Grain & Protein
615-645 Somerville Road
Sunshine West, VIC, Australia 3020

Peter: 0429 653 315
peter.lutterschmidt@agcocorp.com
agcograinandprotein.com.au

AGCO Grain & Protein
GRAIN & PROTEIN
Your Agriculture Company

NEED HEATERS OR PARTS? WE WON’T LEAVE YOU OUT IN THE COLD

Contact AGCO Grain & Protein for all your Hired-Hand needs. We have a huge range of heater spare parts with stock currently available in Melbourne, Brisbane and Perth.

Hired-Hand heaters have been the trusted market leader in climate control systems for poultry operations over many farming generations, where they have been a part of the AGCO Grain & Protein stable for almost 10 years. You can rest assured that in these uncertain times we will remain open for business and that any parts ordered will be of the highest quality being backed by both the Hired-Hand and AGCO names.

This Winter warm to some prompt and professional service from AGCO Grain & Protein. Let us help you with all your poultry infrastructure needs.

CONTACT PETER LUTTERSCHMIDT AT AGCO GRAIN & PROTEIN FOR ALL YOUR POULTRY HEATER NEEDS.

AGCO Grain & Protein
615-645 Somerville Road
Sunshine West, VIC, Australia 3020

Peter: 0429 653 315
peter.lutterschmidt@agcocorp.com
agcograinandprotein.com.au