

Holstein Journal

AUSTRALIA

AUTUMN 2018



**IDW winners
roundup**

**Breeder profiles
from abroad**

**Cow family:
Alnor Bonnies**

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Holstein
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COVER: Rahni Lawless leading Dryfield Kingpin Miranda at IDW. Rahni is a granddaughter of Mark and Tracey Patullo and the fourth generation of the family to lead at IDW.

Photograph: Mike Hentscke

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TARRINO

507HO12997 WELCOME TARRINO 3181-ET
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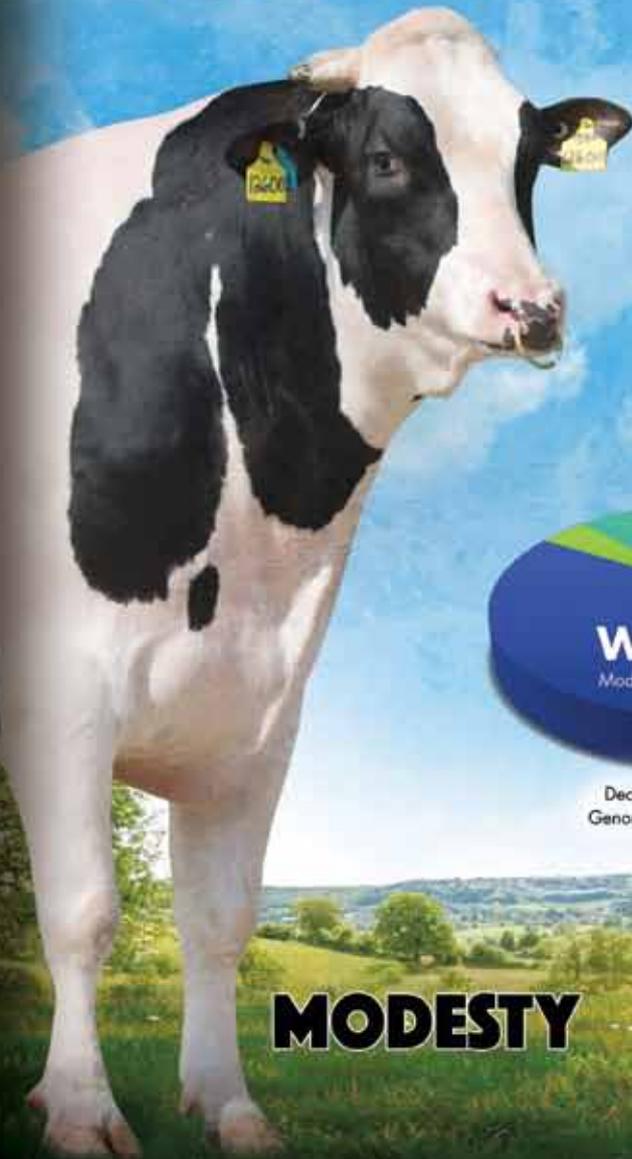
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KENNEDY

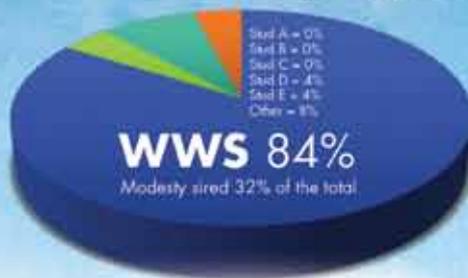
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MODESTY'S HIGH GTPI AND GNM\$ SONS!

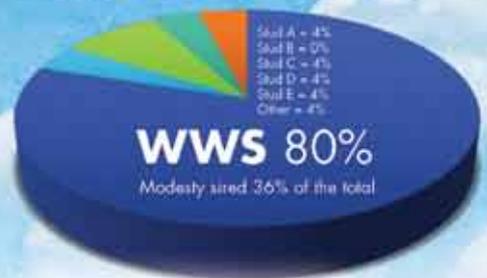
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507HO12997	TARRINO	2899	7HO13771	KENNEDY	1048
507HO13598	PINNACLE	2888	507HO13598	PINNACLE	1007
507HO12993	HUMBLINKIND	2874	7HO13764	TYLER	975
7HO13771	KENNEDY	2862	507HO13608	MARQUEE	973
507HO13628	PIAZZ	2859	507HO12997	TARRINO	970

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December 2017 High Ranking Holstein
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Sires of the Top 25
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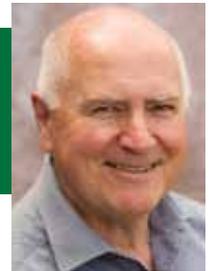


WWS

BY DESIGN...NOT CHANCE

CEO's Message

Graeme Gillan
CEO, Holstein Australia



Up and running in 2018

As you read my message we will be well into March 2018 and already much has occurred in the world of Holstein Australia both at member and Association level.

IDW has come and gone for another year. We saw a great Youth Challenge, a hotly contested Youth Show and another memorable Holstein show capped off with the All Breeds Champion win for Elmar Goldwyn Jessica 11.

In early January the Western District Youth camp again attracted almost 60 participants for two days of learning, fun and friendship. Congratulations to the hard-working organisers.

Communication

Sub-branches throughout Australia continue to organise events to bring together members, support youth and promote the Holstein cow. As part of Holstein Australia's increased communications to support all things Holstein it is so very important that we at the HA office hear about events at Sub-branch level so we can help provide more exposure through our social media channels.

For future events keep reading the e-newsletter Holstein Dispatch or follow us on social media for what happening as well as the updates provided in the Journal.

It is important to note the changes for the Journal. As part of the development of an overall communication strategy the Journal will now be a quarterly production of about 40 pages. Some of the resources previously directed to the Journal have been utilised to implement our e-newsletter, increase social media engagement and to explore other communication channels.

Additional information on the communications strategy will be provided to membership as the year unfolds.

Services and future performance

The 2017/18 year continues to be a challenge for the Association. Currently, registration service numbers are very similar to last year while classification has experienced some growth. The facilitation of genomics continues as an important service from Holstein Australia as the service can be provided for members and non-members.

The lack of export activity represents the main segment negatively affecting revenue and, from what can be ascertained from the trade, this will not change in the near future.

In a concerted effort, we have been focussed on reducing expenses without compromising service. This is an ongoing process that currently has resulted in creating considerable savings.

The Board, supported by the Strategic Directions Committee, has commenced a full review of services and associated fees. The review is not just about how we continue to provide the same services at a different price but a combination of existing and potential new services and how they are delivered to members. Further information will be directly communicated to members in the near future.

The Board and Management will continue to work through the current challenges to the Association to ensure the delivery of services that will add value to the Australian Holstein cow and ultimately to members. **HJ**

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Stephen Carroll joins NHIA

Stephen Carroll, pictured, has been appointed as Chief Executive Officer of the National Herd Improvement Association of Australia (NHIA).



An economist by training, Stephen has previously worked for the Australian Bankers' Association and the Victorian Farmers Federation. He also runs his family's beef cattle business in Victoria's Yarra Ranges. NHIA promotes herd improvement within the Australian dairy industry on behalf of its members which include herd test centres, genetics companies and other organisations involved in supporting herd improvement services.

SA All Breeds Youth Camp

The South Australian All Breeds Youth Camp will be held 15-18 April at the Adelaide Showgrounds.

Activities include showmanship, clipping, halter making, judging, animal health and husbandry; culminating in a mini-show. Under 12-year-olds are welcome if accompanied by a fee-paying parent/guardian.

More information: Gino and Mandy Pacitti, 0409 547 202 or mistybrae@bigpond.com.

Richard Bown to judge Northern Victorian OFC

The Northern Victorian sub-branch has appointed Richard Bown, Richaven Hosteins, to judge its 2018 On-Farm Competition. Richard and his wife, Dawn, dairy at Northfield Farm, Worcester, UK. More than half the current herd is classified Excellent, with eight classified EX-95 or higher and another seven EX-94. The herd average is 90.28 points. The herd is well-known in the UK show ring, winning numerous awards over the years.

Cattle IVF improves

Pregnancy rates from cattle IVF could be boosted by 10% with new media formulations supplied by ART Lab Technologies in SA. The start-up company, launched in January, builds on

Heading to Hobart

Holstein Australia's Annual General Meeting will be held in Hobart during the week beginning 19 November this year. Pencil it in your diary and stand by for more details. It will be a slightly different format this year, designed for those who wish to extend the trip into a holiday.

technologies developed by the University of Adelaide over several decades.

Professor Jeremy Thompson (pictured) said their media products enabled the development of large numbers of unfertilised cattle eggs that are recovered from cows with high genetic merit. The eggs are fertilised, then developed to 7-day-old embryos in the lab that can either be transferred into recipient cattle or preserved for transfer in the future.



The company is also working on a smartphone-based sperm analyser that would provide a cost-effective, easy-to-use system for semen analysis in the field.

Working with Children – check to be sure

Members who organise and/or participate in a youth event need to be aware of Working with Children legal requirements. Adults who come into contact with children need to regularly make sure they comply with their state Working with Children legislation; it can be amended regularly and each state's requirements are different.

Fitbits for cows!

Fitbit movement monitors for milkers sounds the stuff of science fiction but a recent study suggests the breakthrough technology is close to reality.

La Trobe University's Centre for Technology Infusion claims the new technology has the potential to transform farmers' understanding of their livestock, which would lead to economic benefits.

The research team has analysed movement data on sheep and cattle on trial farms across Australia providing insights into the health, wellbeing and behaviours. This will help farmers understand and act on an individual animal's behaviour, even on very large-scale farms.

Smart sensors on dairy cows enabled farmers to optimise the amount of grain fed to cows matching the intake of pasture by individual cows, improve pasture utilisation and reduce feed costs.

NOTICE TO MEMBERS

ANIMAL AWARDS GO DIGITAL

Beginning during 2018 animal awards will be delivered electronically instead of by post.

The free service to members include award summaries, certificates and honour rolls and will be issued more frequently than in the past.

More information will be available soon.





The International Dairy Week 2018 Holstein Senior Championship line-up.

Stiff competition for Senior Champion

BY JON HOLLAND (*Holloddon*)

A nervous hush spread across the International Dairy Week Blackmore & Leslie complex as the class of Holsteins over 7 years entered the arena in front of the judge, Kiichi Matsushima, Key Holsteins, Japan. Among the enviable string of mature aged cows strode Elmar Goldwyn Jessica 11-ET EX-91-2E 1* 2xEP. Jessica 11's presence alone demanded attention, with the gathering crowd eagerly waiting to see if 2018 was to be her year.

Kiichi didn't hesitate in putting Jessica 11 at the top of his mature age class, praising her tremendous dairy strength, power and angularity. Jessica 11 finished ahead of the Oakwood partnership entry, Sleepy Hollow Jasper Posey EX-92-2E 1xEP.

Jessica 11's challenger for the major title was the winning 6-year old, Hawova R Reginald Tamie EX-92-1E, exhibited by the Sieben, Shaw and Clark partnership.

Tamie had made an impression in her 6-year-old class, with Kiichi commending her length and height of frame and tight fore attachment. Her superior fore attachment and ligament earned her the

2018 IDW Holstein results

CHAMPION HEIFER: Sun Vale Lotus Donna, Sun Vale Holsteins & L Orton, Yarroweyah, Victoria; **RESERVE:** Bluechip EV Awesome Destini-ET-RED Sunrise Holsteins, Rochester, Victoria; **HONOURABLE MENTION:** Sun Vale Lotus Maddison Sun Vale Holsteins, Yarroweyah, Victoria

INTERMEDIATE CHAMPION: Avonlea-YF Windbrook Cinnamon-ET GP84 Cinnamin Partners, Finley, NSW; **RESERVE:** Bluechip Golden S Whynot VG89 Bluechip Genetics, Skyview & Long Lanes Holsteins, Zeerust, Victoria; **HONOURABLE MENTION:** Brindabella Goldchip Natalie VG85 SD & JL Sieben, Torrumbarry, Victoria

CHAMPION COW: Elmar Goldwyn Jessica 11-ET EX91-2E Elmar Holsteins, Leitchville, Victoria; **RESERVE:** Hawova R Reginald Tamie EX-92-1E Shaw, Clarke & Sieben, Torrumbarry, Victoria; **HONOURABLE MENTION:** Sleepy Hollow Jasper Posey EX-92-2E Oakwood Partnership, Finley, NSW

GRAND CHAMPION HOLSTEIN EXHIBIT: Elmar Goldwyn Jessica 11-ET EX-91-2E Elmar Holsteins, Leitchville, Victoria

EXHIBITOR ENCOURAGEMENT AWARD: Jess Seeliger, Jaybrooke Holsteins, Flaxman Valley, SA

PREMIER SIRE: Maple-Downs-I G W Atwood Genetics Australia

PREMIER BREEDER: Bluechip Genetics

PREMIER EXHIBITOR: JH & CJ Gardiner, Avonlea Holsteins, Cardinia, Victoria

Supreme Holstein Udder, asserting her challenge for the championship crown.

A relative newcomer to the big stage, Tamie was discovered during the South West Riverina On-Farm Challenge when the regional judge, Jade Sieben, saw her potential. Tamie was soon moved to Jade's herd at Torrumbury- only a few kilometres from her rival Jessica 11's home at Elmar.

The excitement was building as the two neighbours went head-to-head for the Senior Championship.

Kiichi gave his senior line-up great consideration, before congratulating his second-placed mature cow, Jasper Posey, as his Honourable Mention. When he signalled Tamie as his Reserve, the final decision was clear, and Elmar Goldwyn Jessica 11 was crowned 2018 Senior Champion Holstein. Jessica went on to win Grand Champion Holstein and Supreme Dairy Exhibit of Show.

The Jessica cow family has been a crowd favourite since Jessica 11's grand dam, Elmar Leader Jessica EX-3E 14* won the



Senior Champion - Elmar Goldwyn Jessica 11-ET EX-91-2E 1* 2xEP, Reserve - Hawova R Reginald Tamie EX-92-1E, Hnr Mention - Sleepy Hollow Jasper Posey EX-92-2E 1xEP.



Master Breeder Steve Hore with his Senior Champion Holstein and 2018 IDW Supreme Champion Exhibit - Elmar Goldwyn Jessica 11-ET EX-91-2E 1* 2xEP.



Reserve Senior Champion & Supreme Udder – Hawova R Reginald Tamie EX-92-1E.

IDW Champion title in 2003. The Jessica line, developed by twice Master Breeders, Steve and Deanne Hore, has been synonymous with IDW success.

In 2015, Elmar Ice Jessica EX-93-2E 1xEP, known as 'The Big Black Bus', was Senior Champion Holstein. Beside her in Reserve stood Jessica 11, with ET sister Elmar Goldwyn Jessica 4-ET EX-93-3E 3* 1xEP 2xM 1xF 2xP LIFE 1 as Honourable Mention – completing the remarkable trifecta.

Jessica 11's victory brought joy for the Hore family, having been a strong challenger for the title over recent years.

"She calved at the right time this year and was looking really good in the lead up to the show," Steve said.

Jessica 11 is one of five Excellent daughters (including four sired by Braedale Goldwyn) of Elmar Boss Jessica VG89-ET VG89 21*.

"Boss Jessica has been an incredible brood cow. Cows like her that have that great wedge and power, and strength through their front end are easy to breed from," Steve said.

He hopes Jessica 11 will have a similar impact as a brood cow as her Boss dam.

Her Zahbulls AltaFirstClass daughter, Elmar Firstclass Jessica-ET GP82 was the IDW Youth Show Reserve Senior Champion In Milk Heifer - Senior Leader, along with daughters by Walnutlawn Solomon and Maverick Crush already demanding attention. Steve now has flush programs scheduled in the hope of further developing his Champion line.

Intermediate

The Intermediate Championship was a contest of youthfulness, elegance and maturity.

The Johnston family's Glomar McCutchen Anney 5506 VG86 comfortably won the Senior 2-year-old class, boasting the snug and youthful mammary system that earned her Supreme Champion at the 2017 Royal Melbourne Show.

Representing the Junior 3-year-old class were the matching pair of Mr Chassity Goldchip daughters who displayed the sleek black, angular frames that Goldchip is known for. Bluechip Golden S Whynot VG89 exhibited by Bluechip Genetics, Skyview and Long Lanes Holsteins, had a slight advantage in her udder attachments

above the Sieben family's Brindabella Goldchip Natalie VG85.

In the finale, the elegant Goldchip pair had to be content with Reserve and Honourable Mention as the Intermediate Champion title belonged to the winning senior 3-year-old, Avonlea-VF Windbrook Cinnamon-ET GP84. The Gillette Windbrook daughter excelled in the openness of her rib structure and had the advantage over the Goldchip pair with her tremendous height and width of rear udder.

Bred by Master Breeders, the Gardiner family, Avonlea Holsteins, and exhibited by the Cinnamon Partnership, Cinnamon is a granddaughter of the 2009 IDW Grand Champion, Avonlea Robthom Connie 2nd EX-93-3E 5*.

Junior

The Anderson family of Yarroweyah in Northern Victoria, have been a dominant competitor over recent years, with their Sun Vale herd winning many major titles across the show circuit. The 2018 IDW Junior Championship proved no different, with Sun Vale taking the Junior Champion and Honourable Mention titles.

Sun Vale Lotus Donna, a descendant of the renowned Ding family, used her superior balance, height and length, and blending of her mid-section to win the Junior Championship.

Bluechip EV Awesome Destini, a descendant of the world beating KHW Regiment Apple EX-96-3E, exhibited by Michaela Thompson, Sunrise Holsteins, Rochester, Victoria, took Reserve Champion ahead of another Blondin Lotus heifer from Sun Vale, Sun Vale Lotus Maddison, as Honourable Mention. **HJ**



Intermediate Champion - Avonlea - VF Windbrook Cinnamon-ET GP84, Reserve - Bluechip Golden S Whynot VG89, Honourable Mention - Brindabella Goldchip Natalie VG85.

Riding the Holstein highs and lows with determination and humour

Di Schubert was guest speaker at the 2018 IDW Power of Women in Dairying event and shared her story. Sophie Baldwin reports.

Di Schubert (Braeford Holsteins) could write a book on her time in the dairy industry. It has been filled with many highs and many lows, but like a true dairy farmer she has ridden it all with a “get on with job” attitude and a very strong sense of humour.

Di has lost many things in her life including a large number of the milking herd to an outbreak of botulism, not once but twice in two separate and devastating incidents.

It was this loss that ultimately saw Di and her husband Mark leave the dairy industry, although they certainly left their mark, including Champion Cow at IDW.

Di grew up in a small country town and has many fond memories of visiting her grandparents’ farm. While she loved the farm, she always wanted to be a nurse so she completed her training at the Royal Adelaide Hospital and soon after, she married her first husband, who hailed from a family dairy and potato farm at Charleston in South Australia.

The next 16 years were spent working, raising a family and helping out on the farm.

In 1982, her husband was killed in a road accident, leaving Di with three children to raise and a farm to run.

“A very good friend who always helped out when we went away came and helped milked the cows for the next week. I must admit I was so scared and daunted to be farming on my own, but I learnt to milk and feed the cows and do things for myself



Di Schubert with her granddaughter Charne Sandona and daughter Joanne Nicholls.

because I was determined to carry on and continue farming,” Di said.

It was very much a family effort; the kids – Rodney, Mandy and Joanne – all pitched in to help.

“The kids were great and thank goodness Rodney had taken in what his father had told him about the bores because it was a drought and I knew nothing about irrigation.

“At nine years old, Joanne learnt to drive and reverse the tractor (I am still a terrible reverser) and feed the cows.”

Di and her family managed to keep the farm going between them for the next three years and then, in 1985, Mark Schubert came into Di’s life.

“I certainly wasn’t planning on a relationship but that’s what happened and we have been married for 32 years. I call him my toy boy because he is nine years younger than me,” she jokes.

Di said Mark introduced her to different feed in the dairy and within a week she

had gone from twice a day pick up to once a day. They both milked their own cows on separate farms - Mark was a Jersey man and Di was Holstein.

“I managed to convince Mark that Holsteins were the way to go so he sold his Jersey herd.”

In 1990 the couple bought a 240ha property at Jervois, a premier dairying area at the time. They had a 10-a-side double up dairy and milked 200 cows year-round.

The couple spent the intervening years building up the genetic merit of the herd and they have many fond memories of showing their cattle at various shows across the country.

“Mark studied bull families and together we decided how and what to mate. We had so many beautiful cows and we were very proud of our herd.”

IDW champion

In 1998 they won champion cow at IDW with Braeford Vale Twilight EX-2E, 1xEP, 3xM, 3xF, 3xP.

“At five years old she was the complete cow with a tremendous udder and frame.”

The win was definitely the highlight of their showing career; little did they know five years later they would go through one of their lowest points and lose every single one of Twilight’s descendants when the herd contracted botulism.

“We ended up losing every cow from her line although we did manage to save her. We tried to flush her and get some embryos later on but that didn’t work and sadly that was it for her family,” Mark said.

“The herd contracted the C and D strain which is the most common form and the one you can vaccinate against. We managed to save some of the cows but it was a very hard time. Cows that had recently calved went dry overnight but we did manage to return some of them to the herd, a year later,” Mark said.

The loss of the herd was very tough on the couple and they certainly weren’t expecting to find themselves in the same position three years later.

In 2006 the herd contracted the extremely rare B strain of botulism that decimated their herd and left them with just 40 milking cows.

“There have only ever been three confirmed cases in the world, one in Holland, Israel and one with us. It is rarely confirmed and extremely difficult to test for,” Mark said.

Determined to continue, the couple trained a whole new show team and headed off to Adelaide where they won Premier Breeder and Exhibitor, Breeders Group of Three and out of the pen of five, four were Braeford animals.

Sadly that was the last time the couple showed, as the stress, heartache and devastation had taken its toll.

Loss of two herds

“As much as we both wanted to continue, losing two herds so tragically that we had spent years building up was just too much for us and we made the difficult decision to sell,” Di said.

Mark said the cows dying broke Di’s heart. “It was a terrible time having to shoot cows that couldn’t get up. It was so traumatic and the slightest thing would make Di cry; losing a calf would bring on a flood of tears so we decided to disburse the herd.”

The couple sub-divided their Jervois property and moved to the Adelaide Hills where they now run a Murray Grey herd of around 80 breeders.

Di spends her days gardening on 0.8 ha and adding to her extensive bear collection.

Some of the Braeford cows live on in the herd of Chris and Mary Gleeson from Elm Bank Holsteins.

“Mark still helps with milking and silage and he still embraces cows and checking out bulls and their backgrounds. We had so many special cows over the years and they were more than just pets; they were like family. I miss them but I certainly don’t miss the early morning milkings – I am content working in my garden and looking after my collection of bears and dolls,” Di said. 

The great people behind the great cows

International Dairy Week is not just about great cows; it’s also a time for recognising some of the great people involved in the dairy industry. Congratulations to the people who received awards, many of which are named for people who have made amazing contributions to our industry’s history.

Bette Hall Women in Dairy Award

Master Breeder, Pam Malcolm (Paringa Holsteins, Northern Victoria), received the 2018 Bette Hall Women in Dairy Award for Excellence in recognition of her Holstein breeding achievements over 50 years.

The Bette Hall Women in Dairy Award is presented by the Power of Women in Dairy group, which celebrates strong, passionate and successful women in the dairy industry. In October, Clare Modra (Avalon, North West Victoria), will attend the 2018 World Dairy Expo as the first recipient of the POW scholarship.

Lex Bunn Memorial award

Lindsay Wilson (Shirlinn Jerseys) received The Lex Bunn Memorial award.

The Award is given to a person from the registered cattle fraternity who has exerted a large, positive and sustained influence on the Australian dairy industry.

Sheri Martin youth award

Sheri Martin youth awards for Champion Handling went to:

- Senior (18-20 years): Tamara Loughridge (Tamscott, South Gippsland)

- Intermediate (14-17 years): Sam Hall (WA)
- Primary (11-13 years): Leah Dickson (Dusty Road, Western District, Victoria)
- Junior (8-10 years): Ruby Polson (Manning NSW),

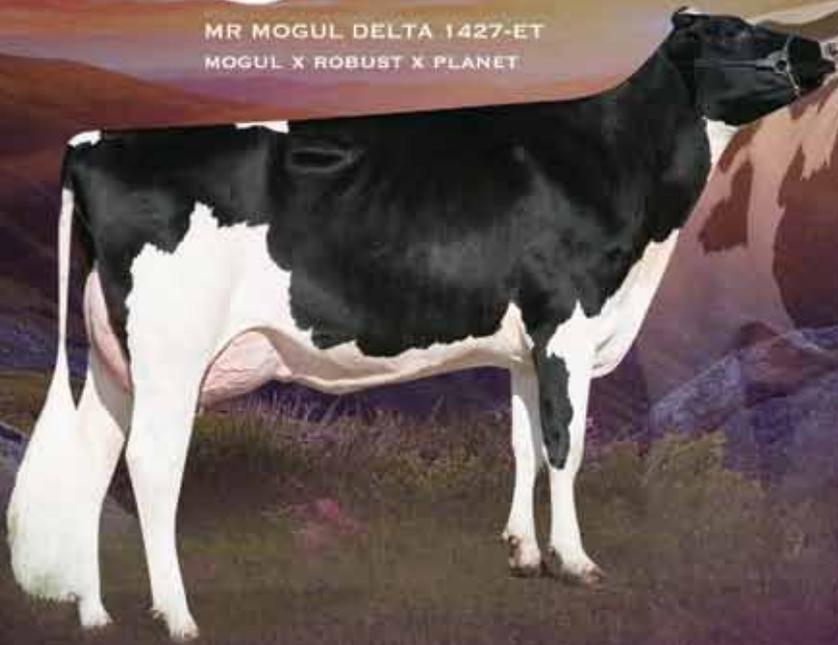
The Sheri Martin Award is in honour of the late Sheri Martin of Rochester, Victoria. Sheri developed her dairy showmanship skills through attending youth camps. She worked for Genetics Australia and volunteered her time to run many camps and teaching young people about showmanship.



Sam Hall received the Sheri Martin Intermediate Handler award at IDW from Holstein Australia’s David Jupp.

DELISH *Delta*

MR MOGUL DELTA 1427-ET
MOGUL X ROBUST X PLANET



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9.2PL 4.1 DPR
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2.62 UDDERS

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We are here to help. Just ask.

BY DAVID JUPP, CHIEF OPERATIONS OFFICER

Over the past few months there have been many changes in the way Holstein Australia communicates with members.

We've had a very positive response to Holstein Dispatch, our new email newsletter, and our increased social media presence has certainly got many of you talking, both with each other and us.

With more changes to come and Holstein Australia committed to enhancing and improving the way it communicates with members, what is the best way for you to talk with us?

One of the benefits of Holstein Australia's flatter, leaner structure, introduced last year, is that there are now just three points of contact for any member query. These are your local Sub-branch, regional representative or the Holstein Australia office.

Another is that members now have more opportunity to have their say at both a local and also a board level.

Members also have better access to information and direct access to Holstein Australia representatives, which will take another leap forward with the imminent launch of our new website.

Holstein Australia Sub-branches

Our Sub-branches are still the heart and soul of the Association, and where our community representation comes from.

Your Sub-branch is the go-to place for information on all your local Holstein activities, anything to do with the Semex-Holstein Australia On-Farm Challenge and both Holstein and All-Breed Youth Camps.

You can also talk with your local Sub-branch representatives about issues that you want to bring to the attention of the Holstein Australia Board, which will be done through your regional representative on the Strategic Directions Committee.

You can find contact details for all Sub-branches on the Holstein Australia website. If you haven't been to a local event or spoken with your Sub-branch recently, give them a call. They'd love to hear from you!



Holstein Australia Office

Talking with or emailing one of our office-based team is the quickest, easiest way for you to resolve membership queries and find out the best way to access member services, from registration and classification through to genomics.

Send us your news!

While we are talking about communication, do you have any news or event information, or even just an interesting story to tell that you would like to get out to a wider audience?

If so, send an email to news@holstein.com.au or contact the office on 03 9835 7600. You can even message us on Facebook, send us a direct message on Twitter or get hold of us on Instagram.

Whatever your news, we can ensure it reaches the widest possible audience from a source they know and trust.

We look forward to speaking with you!

Strategic Directions Committee gets down to business

Anyone out and about in the Melbourne suburb of Hawthorn East at 7am on Wednesday 7 February would be treated to the sight of dairy farmers from all over the country knocking back a strong coffee prior to a full day meeting and workshop.

Holstein Australia's Strategic Directions Committee (SDC) was in town.

Chaired by Jon Holland, who worked with facilitator Richard Herbst, the SDC's second meeting focused on the Association's core services – classification, registration and genomics – and the way these are delivered to members.

Reflecting on the day, Jon believes that the structure of the SDC plus the facilitated workshop format of this most recent meeting enabled the committee to cover a lot of ground.

"The commitment and passion of the Committee members for the Holstein breed was very clear. We had at least one representative from every state, and as I'd hoped, some pretty robust discussions.

"The dairy and Holstein breed expertise the Association and the Board can access from the SDC is a resource that I am convinced will ensure the organisation develops in the right way to meet the needs of members," Jon said.

Over the course of the day, the SDC looked at each of Holstein Australia's core services, their value to members, the way they are delivered and how they align with each other, and with possible future service offerings.

Discussions covered the here and now, and how to deliver best value to members

while maintaining a strong organisation. They looked to the future, where AI – artificial intelligence rather than artificial insemination – is heading and its possible application to some of Holstein Australia's services.

"It was a pretty full-on day," Jon said. "I'm more convinced than ever after this meeting that the SDC is meeting its objective of serving the membership and Association well, and we have some exciting recommendations for the future for the Board to consider at its next meeting."

Attendees at February's SDC meeting were Jon Holland, Garry Carpenter, Gino Pacitti, Ray Kitchen, Vaughn Johnston, Colin Daley, Paul Condon, Marg Hinde, Justin Johnston, Steve Chesworth, Henry Bevan and Graeme Gillan.



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Fertility pays dividends

Holstein Australia members Ian and Alice Holloway (Gundowring Holsteins, North East Victoria) were one of seven dairy businesses selected for InCalf's 2017 case studies. Each underwent detailed analysis of their herd and financial records and interviews with the research team. This is the Holloways' story.

Ian and Alice Holloway start calving their herd in the last week of March, as this provides the best match between the feed demand and the pasture growth pattern for the Kiewa Valley. Autumn breaks are too unreliable to calve earlier than March and the spring growing period can be relatively short, so calving later than March is risky as there would be greater reliance on purchased supplements. The March calving ensures all cows are milking well by spring. The Holloways believe that this maximises milker grazing intake of pasture or crop. A single autumn calving also provides simplicity.

The farm stocking rate is deliberately held low (1.3 cows/ha). This allows all young stock to be kept at home and still provide adequate pasture availability per cow. The Holloways target high pasture intake per cow with sufficient conserved fodder to fill feed deficits when pasture growth is insufficient.

Reproductive program objectives

The Holloways' primary reproductive objective is to have 85% of cows calved within the first eight weeks of calving. These early calved cows will then have sufficient time to recover from any stress of calving and most will be cycling and at peak fertility before the start of mating.

They want as many cows as possible ready for mating by the mating start date of 20 June. They target all eligible cows being submitted for AI in the first three weeks of joining.

"We are most interested in cows calved and milking in April and May ready for the mating start date. We would be very concerned if, after eight weeks of AI and 8-12 weeks with the bull, there was a 20% empty rate. Getting it very wrong can cost a lot of money and cause angst."

"We always want cows to be in rising body condition at mating start date – it's not all about high production. Cows in calf at the right time is a driver of our profitability."

The Holloways also use a modified 'why wait' prostaglandin synchrony program in cows that are confirmed to be cycling (from pre-mating heat detection) followed by a non-cycling cow treatment program with fixed time AI (FTAI) in any cow not yet detected in heat. This ensures all cows have been inseminated after 21 days of joining.

"We like simple. In a perfect world, it would be nice to get the right number of cows pregnant with no synchrony or non-cycling cow treatment programs, but the perfect world does not exist."

The Holloways aim to rear at least 30% eligible replacements each year. This is more replacements than they need but by having extra replacements the Holloways make use of the extra heifers to maintain the compact calving pattern. The heifers are joined ahead of the milking cows so that any empty or late pregnant cow can be culled and replaced by an early calving heifer. The Holloways do not use calving induction. This system allows the Holloways to maintain the best match between milking herd feed demand and farm pasture growth.

"We don't have fabulous reproductive performance in our cows but manage around this by trying to have many replacements. We use a long joining period and this lets us sell late calving cows to spring calving herds for good money. This adds to profit and means that every year we are removing late or less fertile animals. We do keep good and accurate records on the computer so it is easier to create groups and know any cow's status at any time."

Herd reproductive program

Before mating start date: All cows with problems at calving (especially RFMs) are recorded and examined by a veterinarian. Cows identified with uterine infections are treated.

Heat detection commences before mating (to allow the modified 'why wait' synchrony program to be used in the first week of mating).

"Heat detection is critical and we don't do anything special but always keep up to date with 'scratchies' [heat mount

Farm figures (average annual performance over five years)	
Herd size	500 Holsteins
Stocking rate	1.3 cows/ha on 86% dryland
Calving pattern	Single (supply milk every month)
Solids/cow	612 kg
Concentrate level	2.13 T/cow
Pasture consumed/cow	4.6 T DM/cow (includes some young stock intake)
EBIT	\$2.56 kg milk solids
Return on assets	11.0%
Cost of production	\$4.17 kg milk solids
Rainfall	750 mm/year

Photographs:
Gundowring Fine Foods
and Dairy Australia



detectors]; we make sure to keep concentrating on our heat detection beyond the first three weeks.”

The Holloways use AI for eight weeks. Short gestation length (SGL) AI sires are used for the last few weeks of AI to help tighten the AI calving period. AI is followed by bull mating for another 10 weeks – a total joining period of 18 weeks.

The bull team is actively managed and the team of at least two working bulls is swapped every third day.

Early pregnancy testing is undertaken six weeks after the end of AI. This allows the Holloways to identify all AI pregnancies and provides the most accurate estimate of calving date in pregnant cows. Follow up pregnancy testing occurs six weeks after the bulls have been removed. Any non-pregnant or suspect pregnant cows are rechecked at this test.

The Holloways believe that this pregnancy testing program provides the information that they need for effective transition cow management of their herd.

Culling

Empty cows are culled at the end of lactation – no excuses. Empty, low producers or those with mastitis are sold as choppers.

Late cows are culled when possible.



Culling is not done solely on reproduction. Milk production, age, mastitis and daily profit margin are considered when determining the ‘voluntary’ cull list. The extra heifers are important to allow very late cows to be culled.

Late pregnant cows are sold for dairying into spring calving regions at a premium.

Maiden heifers

Maiden heifers are joined to AI for three weeks. A ‘why wait’ synchrony program is used to mate cycling heifers and this





is followed by a fixed time hormone treatment program for any heifers not mated by the end of the 'why wait' program. This program ensures that most pregnant heifers will calve during the first three weeks of the calving period. Bulls are placed with the heifers after the single round of AI.

The Holloways target replacement rate is 30% of the milking herd size as early pregnant heifers.

Heifers are joined to calve at the same time as the cows. The Holloways use short gestation length (SGL) sires on the heifers. This has the heifers calving a few days ahead of the cows despite the same mating start dates.

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Transition management

A transition cow management feeding program is provided for a minimum of three weeks for each cow. This is a homemade diet of concentrate (fed at half the milker ration) supplemented with magnesium and other minerals. Wheat or oaten hay is included. A commercial mineral additive is provided during early lactation.

Reprinted with permission from InCalf Farm Case Studies 2017, www.dairyaustralia.com.au/incalfbooks

Mating performance summary (June 2014 joining)

Reproductive measures	Farm	Current industry performance	Industry target
6-week in-calf rate	54.1%	50%	>71%
End-of-mating not-in-calf rate	13.4%**	21% (21-week joining)	<10%*
Drivers of in-calf rate			
3-week submission rate	83.5%	60%	>86%
First service conception rate	48.2%	40%	>53%
* Median of 2013 NatSCAN herds			
** 8 weeks AI followed by 8–12 weeks of bull mating			
Comments:			
1. 78% of cows calved 40 or more days before MSD. There was a larger-than desired 'tail' to calving in 2014.			
2. Both the heifers and three year old cows had a higher pregnancy rate than the mature cows.			



Foothill Holsteins

**Paul and Mary Newland, Malanda,
Queensland**

Master Breeders 2017

Information supplied by Paul Newland

The farm

Mary and I run a family operation with our son Zac, who is away at university. Our farm is now set up for one person to be able to operate it. We have spent the past 10 years refining and improving this. Until 1996, our dairy was at one end of the farm. We built a new one in the middle of the farm. It saved the cows walking 4 km/day and we gained 6 litres of milk per cow. Body condition improved and the time spent chasing cows was minimised. We love cows and the challenge of pedigreed animals keeps us motivated. The red factor provides added interest.

Our herd

Both Mary and I were raised on dairy farms where the cows were liquorice all sorts. We both love the tall Canadian show cow but our farm in northern Queensland on the Atherton Tablelands is hilly, so lots of walking. Our ideal cow has an exceptional udder with pins down showing more the average dairy strength and walking on a great set of legs. If you were to walk through our herd today, you would not see any high pins. We rarely cut or trim hooves and rarely have a lame cow. When choosing bulls, I find it easy to cut the number by simply looking at pin set first, rear udders second and then teat placement.

We have only missed one classification tour and that was when Cyclone Larry hit 12 years ago, so classification has and will still be our gauge of how we are going. As the classification system refines itself we find that we have already made the necessary changes and our herd is not quite as tall (stature wise), lots more powerful (more dairy strength) and the udders are good.

Our herd origins

In the early 1980s Rodney Hartin and I bought four cows for \$30,000 at the first Carmar sale. At the time it seemed expensive but with ET work the majority of our herd today traces back to those four cows: the Dixies, Corals, Models and

Farm facts

Farm size: 130 ha

Herd size: 100 year round milkers

Calving pattern:

Herd production:

Females bred: 652

EX: 21F, 1M

VG: 218F 6M

SBC: 13

STP: 6

Production awards: 3

Points required: 652

Points earned: 661



Paul and Mary Newland with their Master Breeder award at the 2017 AGM.

Angelas. Not only did the maternal lines help with the Master Breeder Award but we used bulls from these with great success. Last year, our oldest surviving cow calved at 18 years of age and she was by a son of Tempo out of the original Linmack Angel.

Two cows were also purchased from the Sigley's Myrtle Dale stud. From the Pride family we bred an EX-6E Red and White cow, was one of the highest scored Red and Whites. A son from the family by Cal Clark Cutless was the number seven bull in Australia at the time.

Those four cows from Carmar and the two from Myrtledale plus an \$800 heifer bought at a breed sale from Daryl Cole has left a strong cow family with several classifying to excellent including a 93 point Lindy. In recent years, the Jackies from Ourway have been added and are breeding really well. Most cows in the herd now have at least five generations of VG or EX behind them.

Bulls

We are using Doorman, Awesome Red, Awe Kix Red, Lauthority and Emilio.

Genomics

Genomics has really changed the breeding game and we look forward to genotyping our herd. This will allow us to double check parentage, check for weakness and strengths, and use this to breed the next generation. We love to watch dairy week and the other live-streamed sales so that you can see if you like the way a bull is breeding. We still love to use our own eyes to make final judgement and tend to only use the absolute top end of unproven (or genomic) sires. We are not afraid to use our own sires but when we do we are extremely particular about their sires and dams.

Changes in breeding

When we bought at Carmar it was rare to be able to purchase cows of this calibre. Now it is tremendous to be able to buy world class animals at several sales. This gives young or new people to the game first class opportunities to buy the best. We sell a few herd bulls each year so genomics will mean farmers will be able to know that the bull is going to be a plus in their operation.

Highlights of dairying

Getting the Master Breeder Award was a real highlight. You don't consciously work for it but subconsciously it represents what we want to achieve. Judging the Youth Show in Sydney was an honour; I really enjoy judging.

Also, any new Excellent cow is an honour. Last year we had three third calvers score Excellent and this is rewarding and exciting. Every two years our sub-branch holds a youth camp and it is rewarding to be part of this and watch the next generation learn and develop.

Plans for the future?

We'd like to introduce a few new cow families. Our son Zac is studying Engineering (Mechatronics) and he loves the farm, so from this perspective robots are on the agenda.

Carenda Ella Vanish EX-4E

Awards: 25* 4xM 4xF 3xP, STP, LIFE 4

Birth date: 09/05/1990

Breeder/Owner: J & M Kitchen & Sons

Prefix: Carenda

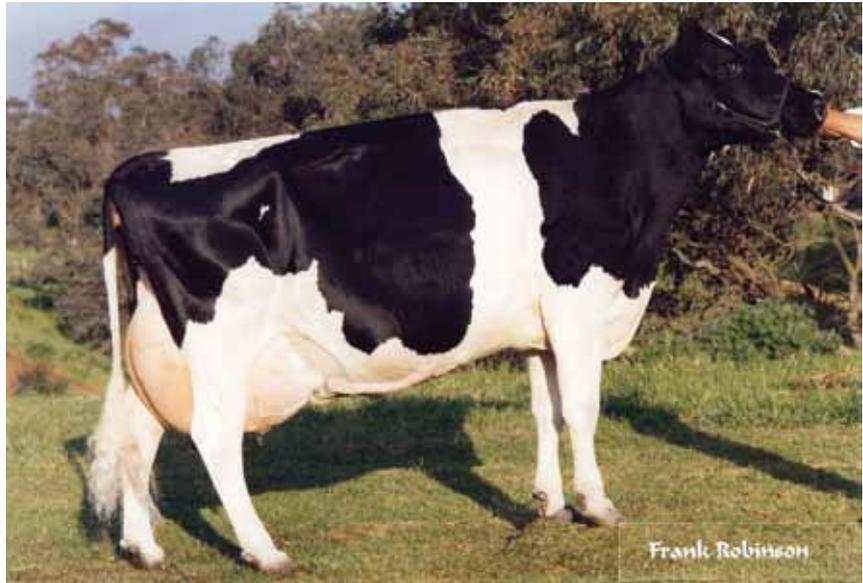
Location: Southern WA

Classified: EX-4E

Classification breakdown: Rump: 85, Feet and Legs: 91, Mammary 91, Dairy Strength 94

Registered progeny: 19 females and 17 males.

Classified daughters: 18, including Carenda Harrier Vogue EX-90-2E (20*) and Carenda Rudolph Venice VG87 (17*).



RIGHT: Ella Vanish

Owner's comments

Ray Kitchen:

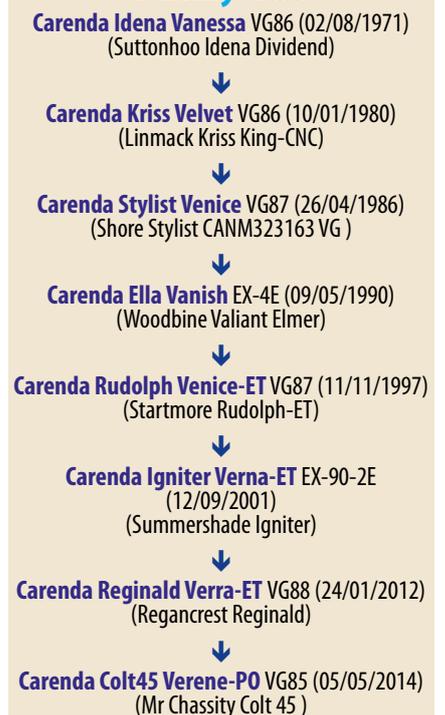
Ella Vanish traced back to a cow bought in the 1960s from the Clair Roy herd in South Australia while establishing the Carenda herd. She is one of the most significant cows we've ever bred; her influence continues today through her many, many descendants. The V family is the dominant family in our 400-cow herd.

As cows go, Ella Vanish had all the qualities of an exceptional cow: she was a top producer and a prolific breeder (25 star brood) with great conformation (EX-4E) and robust health that enabled her to last many years in the herd. Production wise, Ella Vanish was the best cow in the herd at the time; her PI was always about 120 and her components were consistently strong: mid 4s for fat percentage and her protein was often above 3.4%, making her one of the highest ABV cows of her era in Australia.

Ella Vanish was flushed a couple of times a year over several years. As well as getting back in calf easily, she had a knack of passing her best genes onto future generations. She produced many outstanding daughters, including Carenda Harrier Vogue EX-90-2E, 20* and Carenda Rudolph Venice, VG87, 17*. Her

descendants consistently rate well on Australian Breeding Values (ABVs) and indices and classify VG or better. The Vs have sound functional conformation with particularly good dairy strength and power. They tend to be long-lasting cows that hold their conformation with time. A number of notable descendants trace back through Rudolph Venice's daughter, Carenda Igniter Verna EX-90-2E including her polled granddaughter, Carenda Colt45 Verene-PO (g) VG85, who won the 3-year old class of the 2017 On Farm Challenge. Over the years, quite a few of Ella Vanish's male descendants have been bought by bull companies, including: Vindicate who was a popular proven sire for ABS. Vanish has more descendants who have been genomic tested and selected for AI. The latest young bull about to leave the farm is Rooster whose genomic proof resembles the best qualities of the V cow family. It's very satisfying having a cow like Ella Vanish recognised for her achievements. Her 25-star brood cow status gives us confidence that our breeding strategy works. Basing our selection decisions on Australian Breeding Values to deliver us highly productive, healthy and fertile cows with the functional type to support a long life in our herd. Cows like this provide the foundation for a profitable dairy business.

Family tree



Lifetime production

Lactations	Production litres	Protein kg (%)	Fat kg (%)
8	105,434	3,534 kg (3.35%)	4,679 kg (4.44%)

Star Brood Cow

The Star Brood Cow award recognises genetically superior brood cows based on the conformation and production performance of their progeny. To qualify, a cow need not be classified but must have produced at least three progeny classified GOOD PLUS or better. Refer to www.holstein.com.au for details on how stars are calculated. In 2016/17, two cows attained 25 SBC status, Carenda Ella Vanish EX-4E and Paramount Inspiration Butter EX-5E.

Apology: The cow profile published in the December 2017-January 2018 issue of the Holstein Journal was a repeat of one published earlier in the year, due to an administrative error. The Journal apologises to the breeder and our readers.

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Invitation*

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See current leading bulls Holstein MAEBULL, Jersey TAHBILK and Australian Red ARBSCAREBEAR as well as a host of genomic sires and to hear about the day to day operations of the local "bull farm". Discover the latest innovations taking place and the behind the scenes work being done to ensure the best possible dairy genetics are available and from the Cooperative as we embark on our next journey.

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For full details, contact Karen Davies on freecall 1800 039 047
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Alnor Bonnie Sam 3440 (g) EX-93-6E 5* STP(Gold) 1xM 1xP Life4 with her daughter Alnor Bonnie Donor 4543 (g) EX-91-4E STP (Silver) 1xEP Life 3.

Alnor Bonnies: 'Cows that make money'

BY JON HOLLAND
Holloddon, North-West Victoria

The breeding philosophy at Alnor Holsteins is quite clear: "We want cows that make money."

The capacity of the Alnor cows is striking. Broad muzzles, deep open chests, strong tops and correct capacious rumps can be seen consistently throughout the herd, clearly demonstrating the successful breeding program.

A member of the Holstein Australia Breed Development and Classification Committee (BDCC), herd manager Lynette Greenwood explains her breeding goals as a balance between production and confirmation.

"We don't buy in any cows. They are all bred by me so any mistakes are made by me," she said.

"I want cows with great longevity and production. I also want aggressive feeders with plenty of capacity. The feet and legs are set up by the rump so it's important the rumps are right. I also want strength in the cow so she's capable of walking long distances from the dairy to the paddock."

Lynette finds classification helps her monitor their breeding goals, showing up the traits that need correcting, and identifying any patterns across the herd.

"I used to individually mate each cow, but now I select a team of bulls that have the

traits I'm after that can be used across the herd."

The family run operation consists of Lynette, her husband Lance and son Eric. Together, they manage their 500 cow Master Breeder herd on their family property northwest of Ballarat, at Learmonth in central Victoria. The cows graze year round on 160 hectares of dryland annual pastures, with another 40 hectares of lucerne irrigated under a lateral moving irrigator. In total, the

Greenwoods manage about 800 hectares, which includes areas for young stock, fodder crops and a few beef cows.

A split calving pattern is used, with cows calving from January to March and again in August through to October. Since the drought, the focus has been on feeding for profitability, with a reduction in concentrates and more attention to input costs in relation to milk price. Despite having pushed a 10,000 litre herd average in the past, the herd currently boasts a herd average of about 8,500 litres.

"We know our cows are capable of producing more, but our cows are not here to be spoon fed," Lynette said. "We also want our cows to keep milking for a long time and when you're not pushing the cows and expecting +50 litres per day, they last a lot longer."

Over recent years, Lynette has moved her attention to polled Holsteins, with the first big batch of polled heifers calving in 2018.

A huge favour

The Greenwoods began to register their herd 30 years ago, using the appendix system to upgrade the original black and white herd.

"I began taking more interest in breeding when we started to appendix the herd" Lynette said. "I saw registering cows and tracking our breeding as a way to breed better cows and value add to our herd."

Bonnie family tree

Alnor Bonnie 415 GP80 App1
4* BPI+45 07/02/1997
(Strathaire Southwind Luke EX)



Alnor Bonnie Sam 3440 (g) EX-93-6E
STP(Gold) 5* 1xM 1xP LIFE 4 BPI+71 20/10/2001
(Rich-Ro Mark Sam EX)



Alnor Bonnie Donor 4543 (g) EX-91-4E
STP(Silvr) 1xEP LIFE 3 BPI+196 30/01/2006
(Elite Mountain Donor VG)



Alnor Bonnie Jocko 5333 (g) VG87
STP BPI+192 06/01/2009
(Jocko Besne)



Alnor Bonnie Stesdy 6299 VG87
BPI+174 23/01/2012
(Stantons Steady EX)



Alnor Bonnie Fever 7357 24/10/2015
(Crackholm Fever EX)

The Bonnie cow family epitomises the Alnor breeding philosophy.

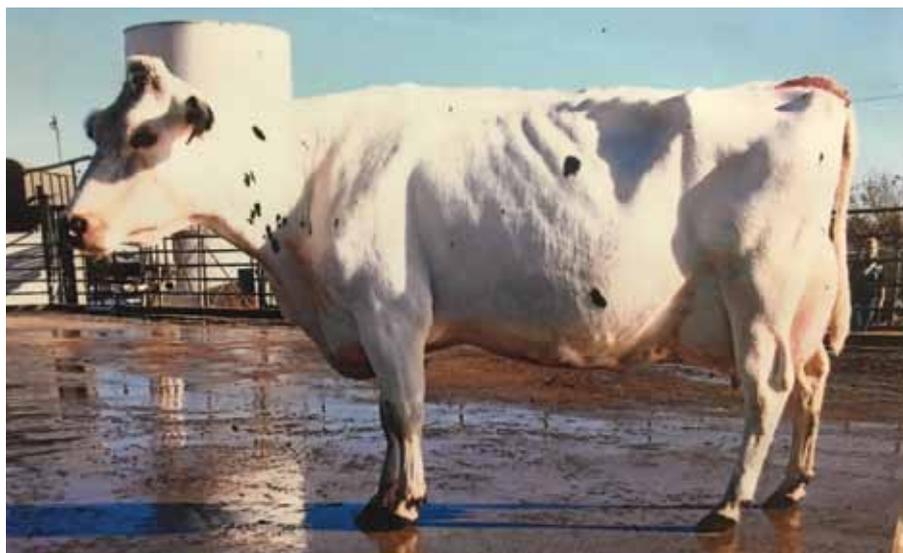
"The Bonnies are strong cows, aggressive feeders with big open back ends," Lynette said. "They're cows that can produce 100,000 litres over their lifetime, yet still hold a great udder underneath them. These traits just seem to follow the family line."

The Bonnies were originally named after one of the Greenwood's neighbours, as Lynette used names from friends and family as inspiration to identify the newly registered cows.

Among the original cows to be registered was a daughter of Wyoming Daisy Citation (WDC). Born in 1980, Alnor Bonnie 269 App4 was a solid performer with a top PI of 121, calving for the last time at ten years. She produced five daughters, and the line continued for several generations, producing some honest performers – but none of any real significance. That was until 2001, with the arrival of Alnor Bonnie Sam 3440 (g) EX-93-6E 5* STP(Gold) 1xM 1xP Life4.

As a yearling, the Rich-Ro Mark Sam daughter of Alnor Bonnie 415 App1 GP80 4* was presented among a mob of heifers bound for export. Her stark white colouring was rejected by the selecting agents, and Bonnie Sam remained at Alnor. "The agent did us a huge favour really. The Sam cow really got things started for us," Lynette said.

When Bonnie Sam calved in as 2-year-old, she immediately stood out with her



Alnor Bonnie Sam 3440 (g) EX-93-6E 5* STP(Gold) 1xM 1xP Life4.

massive big white frame and "a crackin' udder."

At EX-93-6E, Bonnie Sam is one of Alnor's highest classified cows to date. Peaking on her sixth lactation at 12,040 litres in 305 days, 3.2% 385kg protein, 3.6% 436kg fat, PI 132, Bonnie Sam calved every year for ten lactations, with a lifetime total of 109,863 litres and 7,769 kg milk solids.

Expanding rapidly

Descendants of Bonnie Sam quickly established the Greenwood's most consistent and rapidly expanding bloodline. Of her five daughters, two are classified Excellent, while the other three have scored VG as young cows, including VG86 twins by Roumare. Lynette can still

remember the day the Roumare twins were born.

"When I checked the old Sam, she was down with four legs showing, but no heads. Any other cow and you could have been in real trouble, but the Sam had such a big open rump I was able to work them around and get them out safely."

Alnor Bonnie Nardoo 7450 is making an early impression with her strong loin and smashing rear udder. Calved fresh on her first lactation, the Hill Valley SS Nardoo daughter of Alnor Bonnie Roumare 6507-TW (g) VG86 is milking well, and is sure to catch the classifier's eye during the next tour.

Like her mother, Bonnie Sam's eldest daughter, Alnor Bonnie Igniter 4336 (g) EX-91-4E STP, by Summershade Igniter, excelled in dairy strength, and calved regularly for nine lactations.

"Bonnie Igniter was a fantastic cow and a pleasure to milk," Lynette said.

Bonnie Igniter's Bundalong Marks Medallion (Medallion) son, Alnor George 2nd, was used as a mop-up bull over young stock, with his first daughters now entering the dairy.

"The George heifers are real good heifers with great udders. They will be among our best 2-year-olds this season."

Bonnie Sam's second calf was sired by the production powerhouse Elite Mountain Donor (Donor). Still in the herd as a vibrant 12-year-old, Alnor Bonnie Donor 4543 (g) EX-91-4E STP (Silver) 1xEP Life 3 is on track to break the 100,000 litre milestone later this year and is a herd favourite at Alnor.

"Everyone here knows the old Bonnie Donor," Lynette said. "She's a real



Alnor Bonnie Donor 4543 (g) EX-91-4E STP (Silver) 1xEP Life 3.

Australian Holstein Cow Family

aggressive feeder and first in the dairy every milking. All the staff know not to get in her way; she'll knock you down if you get between her and her food."

As well as being a big milk cow, Bonnie Donor boasts strong percentages for fat and protein. As a 7-year-old she recorded 12,405 litres in 305 days at 3.4% protein and 4.1% fat, producing 932 kg solids with a PI 141.

"The Donor is a strong cow that gives a heap of milk solids which it's all about," Lynette said. "She does everything – she looks good, makes a lot of milk, is breeding on and is still here at an old age. She's the type of cow that's going to make you money."

Bonnie Donor's highest classified daughter to date is Alnor Bonnie Samuело 6126 VG89. Sired by Regancrest Mr Samuело, Bonnie Samuело has recently calved again and showing great potential in becoming a third generation Excellent.

A Jocko Besne daughter of Bonnie Donor, Alnor Bonnie Jocko 5333 (g) VG87 STP peaked at 746 kg milk solids on her third lactation, and has been genomically tested, boasting a BPI+192.

With a PI of 116, and a class score of VG87 including a VG89 mammary and EX-90 dairy strength, Alnor Bonnie Stesdy 6299 VG87 is the Jocko's best daughter to date. A Crackholm Fever daughter of Stesdy Bonnie, Alnor Bonnie Fever 7357 is one of Alnor's most exciting young Bonnies currently in the herd.



Alnor Bonnie Samuело 6126 VG89.

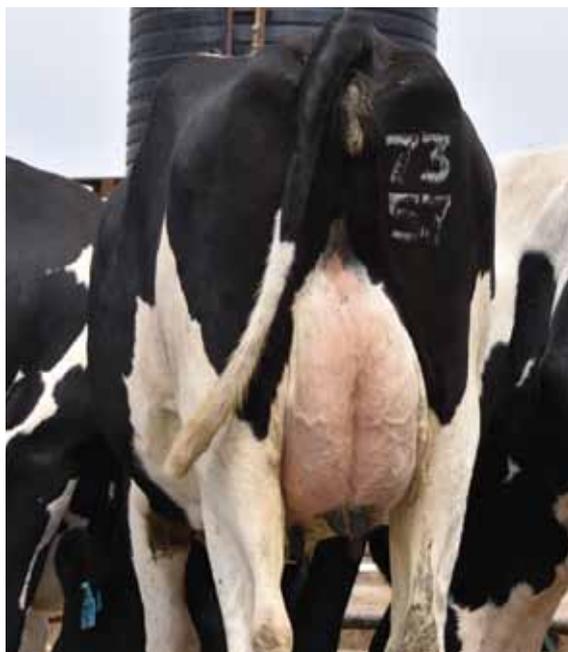
"She's just a young cow, but she's a cow you notice," Lynette said.

The freshly calved junior 2-year-old displays all the style and cleanliness of her sire Fever, combined with the hard top, open frame and capacious rumps of the Bonnies.

Another exciting young Bonnie, boasting high genomic numbers for protein % and kgs, as well as solid scores for Overall Type, is Alnor Bonnie Buddha 6711 (g) VG85 BPI +210. A daughter of Bonnie Donor by Bushlea Perfector Bold (Buddha), Bonnie Buddha produced +600 kg milk solids on a first lactation with a 114 PI, before scoring VG on her second lactation with a VG87 mammary.

"Figures like that for a 2-year-old is a great effort," Lynette said, "it really shows the development of the breed that our 2-year-olds can milk like that now."

Some other standouts among the Greenwoods freshly calved heifers include Bonnie Buddha's Adlejama Delsanto Picola (Picola) daughter, Alnor Bonnie Picola 7394, a Comestar Lavanguard daughter of Bonnie Donor, Alnor Bonnie Lavanguard 7341, and a Lavanguard granddaughter of Bonnie Sam, Alnor Bonnie Lavanguard 7287. A Lirr-Option-PP daughter of the Donor, Alnor Bonnie Option 7273-ET-PO, has added another dimension to Bonnie's, introducing the polled gene to this exciting and developing bloodline. **HJ**



Alnor Bonnie Fever 7357.



Alnor Bonnie Nardoo 7450.

Holstein Australia

competitions and awards

Distinguished Service Award

Recognises sustained commitment over an extended period to HA, both within and beyond the member's designated role.

Closing date: 30 June 2018

Winner announced: AGM (November)

HA contact: David Jupp

Email: djupp@holstein.com.au

Phone: 03 9835 7600

Semex-HA All-Australian

A national photographic competition that recognises excellence in conformation and showing.

Closing date: 30 June 2018

Winner announced: AGM (November)

HA contact: Head Office

Email: lcalder@holstein.com.au

Phone: 03 9835 7600

Master Breeder Award

Recognises the long-term achievement of individuals who have bred at least 300 registered animals over a minimum of 20 years.

Closing date: 30 June 2018

Awards announced: AGM (November)

HA contact: Head Office

Email: enquiry@holstein.com.au

Phone: 03 9835 7600

MASTER BREEDER



Cow of the Year

Recognises all-round excellence in production, classification, breeding and overall contribution to the Australian Holstein breed.

Closing date: 31 May 2018

Winner announced: AGM (November)

HA contact: Head Office

Email: enquiry@holstein.com.au

Phone: 03 9835 7600

IDW Youth Challenge

A competition involving all aspects of the show ring (clipping, judging and handling) and teamwork.

Timing: held at IDW 2019

Winners announced: IDW 2019

HA contact: Head Office

Email: enquiry@holstein.com.au

Phone: 03 9835 7600

Semex-HA On-farm competition

Unlike conventional livestock judging events, cattle are assessed for their structural correctness on their home property.

Closing date: Each Sub-branch conducts its own competition in spring. The winners are then 'over-judged' to determine regional or state champions, with the results announced at events held in each state during November and December.

Winners announced: Holstein Journal (Summer)

Contact your local Sub-branch or Head Office

Email: enquiry@holstein.com.au

Phone: 03 9835 7600

California's "Supermarket for Genetics": RuAnn & Maddox Dairy: 1,400 Home-Bred Excellent Cows!

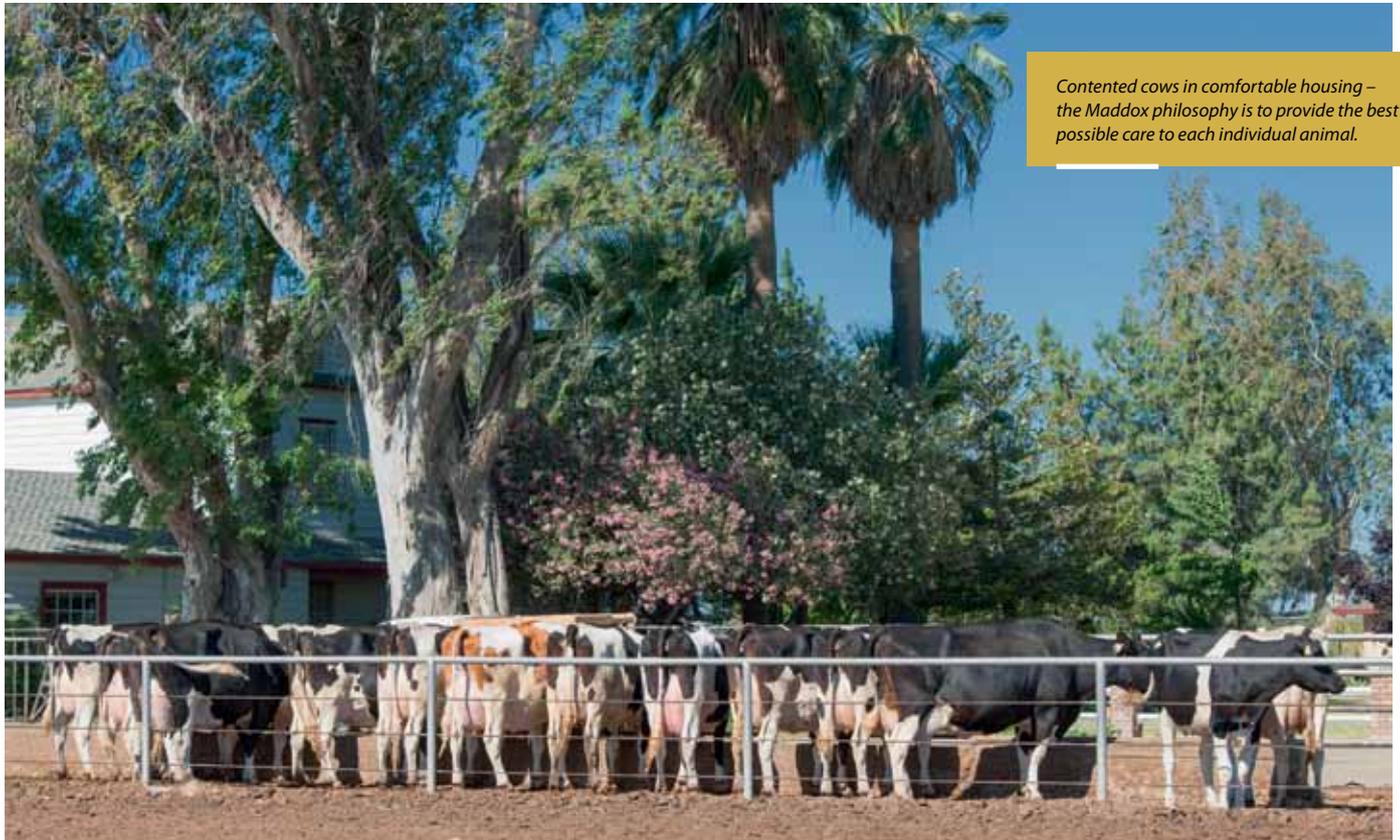
The San Joaquin Valley in California is 300 miles long and 100 miles wide and is one of the most productive agricultural regions in the world. A combination of rich soils, irrigation water from the mountains, and a warm, desert-like climate make it suitable for hundreds of different crops. This valley also supports the majority of California's 1.8 million dairy cattle which are located on 2,000 farms and produce 22% of the US national milk supply – that's more than the national production of such countries as Italy, Canada, the UK, Australia or the Netherlands. Two of those farms are RuAnn Dairy and Maddox Dairy, based at Riverdale and owned by the Maddox family.

Article published by:

Holstein
INTERNATIONAL

www.holsteininternational.com

DOUG SAVAGE CHRISTINE MASSFELLER



Contented cows in comfortable housing – the Maddox philosophy is to provide the best possible care to each individual animal.

1,400 home-bred EX cows! It's an amazing achievement. That's how many EX cows have been bred by the Maddox family. Cows classified EX are not what most people might expect when they think of the large herds of California. However, this is not your typical large-herd scenario. RuAnn and Maddox Dairy are run with a lot of pride and attention to detail. It not only takes elite genetics for type, but also a good calf raising system and the right feed and management to develop the heifers into well-grown and highly productive cows to have a shot at EX. It's a case of marrying all levels of farm management

together, and still maintaining the focus on the individual animal. The Maddox's clearly have passion for what they do.

LARGEST

It is in fact the 60th anniversary for RuAnn Dairy, which was established in 1957 when Doug Maddox paid \$200 per acre for a 500-acre ranch near Riverdale. The RuAnn prefix is a composite of his parent's names: Rufus and Annie. Doug became renowned worldwide for his promotion of purebred Holstein cattle, and developed what has grown into the largest registered Holstein herd in America. Doug was the recipient

of the Holstein Association's 2010 Elite Breeder award, but passed away a few years ago. Today the operation has grown to include two herds – RuAnn, which is managed by Doug's son Pat, and Maddox Dairy, managed by another son Steve (Senior) – between them milking over 5,000 registered Holsteins with 12,000 animals in total. RuAnn has 1,250 cows with around 3,900 at Maddox Dairy. In addition, the family farms 10,000 acres (4,050 ha) including 5,000 acres of vineyard and almonds, and 4,000 acres supplying feed for the dairies. The main forage crops are alfalfa and corn, with the corn land doubled-cropped into oats or triticale for silage. The



The Maddox family: Stephen (Junior), Stephen (Senior) and Pat.



RUANN & MADDOX DAIRIES IN USA

- Owned by the Maddox family
- Located at Riverdale, California
- 10,000 acres (4,050ha), including 5,000 acres vineyards & almonds, 4,000 acres alfalfa & corn, doubled-cropped into oats & triticale.
- 5,150 cows; 12,000 head total
- Average: 27,211lb (12,343kg) 3.65% 3.2%
- TMR Ration based on forages of corn silage, alfalfa, oat & triticale silage plus concentrates
- Current sires: Crush, Denver, Prophecy, Delta, Noble, Delta-Lambada, Fabulous, Dallas, Doorman, Jedi, Kingroyal, Doc, Copycat & Hardrock

“To stay competitive you’ve got to use the best of the best”

– Steve Maddox

grapes help pay for our hobby of dairying,’ quips Steve. ‘Our passion is the cows. Years ago they did try and teach me about pruning grape vines, and I do remember the basic technique, but it’s just that by the time I get to the second grapevine I’m already losing interest. It’s the cows that we love to work with.’

EXPO

The Maddox family have just returned from the long trek to the World Dairy Expo in Madison, Wisconsin, where they were exhibiting cattle. RuAnn Doorman Jean placed second in the Fall Yearling class while in the Junior Holstein Show, RuAnn Tammy (sired by RuAnn Enticer, by McCutchen) was second in the Summer Yearling Class. The shows are clearly a major source of excitement and enjoyment for the Maddox family, however, the herd is much more than just a show herd. ‘Because we are the largest registered Holstein herd in the US we can devote different segments of the herd to different aspects of the market. We are a supermarket of genetics, with something for everyone,’ explains Steve. ‘We recently had an order from someone in Australia wanting to start a herd of Holsteins that produce A2 milk, so we were able to send them 600 embryos from A2 cows. Of course we also have some show type animals, many with 8-10 generations of EX behind them, and we have some high genomic animals too. Our goal is to reach all aspects of the market. We have some really good functional lines with pleasing type, cows that are trouble-free performers, and we’ve kept some bulls from them too. In fact we sell semen from some of our bulls to local dairymen and that semen has been processed at 30 million sperm per straw.’

EXPORT

Embryo transfer is an integral part of this Holstein breeding operation, with over 3,000 of the

calves born at RuAnn and Maddox Dairy each year resulting from ET. In addition, between 1,500 and 3,000 embryos are exported each year, mostly to South America, the Far East and Australia. ‘Our on-farm collection facility is also certified for China and the EU,’ adds Steve. In addition to embryos, the Maddox family was involved for many years in the export of live cattle. Breeding females, bulls, embryos and semen were sent to over 40 countries around the world, and during a 20-25 year period, more than 30,000 head of cattle were exported. ‘One of our key cow families has been the Merla family, good healthy cows that are very consistent and have a great will to milk. It’s quite some years ago now but embryos from that family that we sent to Brazil resulted in females that went on to rank number 1 and 3 in that country. And there was a Valiant in Japan that produced over 55,000lb. There have also been national champions in at

least 6-7 different countries that started out as embryos from here, countries including Peru, Bolivia and Argentina.’ Another popular line in the herd at present is the Trinket family, which is the high-genomic family of the herd.

GROWTH

The Maddox’s have also had quite a few long-life producers over the years too. ‘We would currently have 35-40 cows that have passed the 200,000lb. mark, but we’ve never really kept track of how many over the years,’ explains Steve. ‘Back in the 80s there was that famous picture taken on our front lawn with 22 cows with over 200,000lb. that appeared on the front cover of the Holstein World at the time. There has been a lot of cows pass 200,000 since then but we really don’t know exactly how many.’ While they do use some of the bulls from their own breeding program, they also make use of many of the better known sires in the breed. ‘To stay competitive you’ve got to use the best of the best wherever it comes from,’ comments Steve, who goes on to conclude ‘For RuAnn it has been 60 years of growth and learning. You really have to be open to learning new things all the time because if you rest on your laurels you end up behind very quickly. Our passion is cows, dairying runs in our blood! ●

Dairy farming on a large scale: The Maddox operation involves over 12,000 head of cattle.



Summitholm Holsteins: Reached the Milestone of 100,000 kg Already 119 Times!

For most farmers, one cow with a lifetime production of 100,000 kg is still rare, or even exceptional. However, there are also farms where reaching this milestone has become rather ordinary. Like at Summitholm Holsteins in Canada, where the scoreboard now displays 119. This impressive performance is the result of a stringent focus on management and cow comfort, and consistent breeding for fitness, functional type and a high production per day of life.

📷 BERT WESSELDIJK

'We breed for high productions and functional type, and try to offer our cows every opportunity to fully meet their genetic potential.' With this statement, Dave Loewith describes in a nutshell the secret behind the dazzling achievement at Summitholm Holsteins. Focused breeding and sublime management have resulted in 119 cows with a lifetime production of 100,000 kg or more on the farm in the Canadian Lynden. A formidable accomplishment of world-renown.

MANAGEMENT

Dave's parents came to Canada from the Czech Republic in 1938 and started Summitholm in 1947. In 2017, the enterprise in the southern part of Ontario is owned by brothers Dave and Carl Loewith and Carl's son Ben. With assistance from Laura Schuurman and Mark Wynand, they manage 490 milking and dry cows and 390 head of young stock. Besides the high lifetime productions, the herd average of nearly 14,000 kg per cow is also impressive. As well as the calving interval with this production level, which is not even 13 months. And the fact

that 55% of the milking cows are in their third lactation or higher. In 2002, Summitholm was recognized as a "Master Breeder", while in 2016, they were nr.2 in the overview of best managed free stall herds in Canada.

'THE REST AS CHROME'

'We have always bred primarily for production. Bulls that have performed splendidly in this regard include Aerostar, Rudolph and more recently Manifold,' shares Dave. 'We have used a wide range of O-Man sons, but the best were Kramer and Manifold. By the way, we still use Manifold. His daughters have average stature, calve very easily, keep good body condition, and become easily pregnant again. And they produce wonderfully.' A fabulous example of this is Summitholm Manifold Joanna, who calved for this first time at 1.11 years and for the fifth time at 5.10 years. In addition, she produced 78,275 kg milk in 5 lactations.

'Our current selection criteria are kg fat, kg protein, calving ease for heifers, daughter fertility, somatic cell score and functional type,' continues Dave, who explicitly states that at



Summitholm Sympatico Tornado is one of the best young cows in the herd and descends from the offspring of Summitholm Rudolph Trixie, with a lifetime total of 140,000 kg. In her first lactation, Tornado gave 13,670 kg in 305 days.

Article published by:

Holstein
INTERNATIONAL

www.holsteininternational.com

HIGHEST NUMBER OF 100,000 KG/220,000 LB

As far as we know, Summitholm Holsteins is the only farm in North America with more than 100 hundred tonners. Europe also has one: Sanders Farm on the Isle of Man, by Great Britain. In Germany, LLFG Iden has a total of 92. If everything works out, their 100th hundred tonner may be celebrated yet this year. Below is an overview of farms with high numbers of 100,000 kg/220,000 lb. cows. If there are more herds with similar numbers, please inform HI!

Summitholm, CA	119
Sanders Farm, UK	107
LLFG Iden, DE	92
Rosy-Lane, US	83
Zani Holsteins, IT	78
Knoef, NL	66
Kellercrest, US	66

Summitholm they do not breed for perfection in terms of type. 'For us, good is good enough! As long as the cows track straight, have a solid median suspensory and strong loins, we see the rest as chrome... From our perspective, the ideal commercial milk cow has average stature and is furnished with outstanding feet & legs and a strong, quality udder.' What potential 100,000 kg cows look like at a young age, Loewith cannot definitively say. According to him, in principal, every young cow should have the potential to achieve a lifetime production like this. 'If I look at our 100,000 kg cows, then I do not discover a lot of similarities, other than that they all became pregnant again and had few health problems,' says Dave. An ultimate example is Summitholm Dawson Cheri, who



SUMMITHOLM HOLSTEINS IN CANADA



At Summitholm Holsteins, they breed for high (lifetime) productions, while cow comfort and management have always been the biggest priorities.

‘Attention to kg milk/day of life is desirable!’

– Dave Loewith

- Located in Lynden in the Canadian province of Ontario, about an hour west of Toronto
- Owned by brothers Carl and Dave Loewith and Carl's son Ben
- 490 milking and dry cows and 390 head of young stock
- Average production: 3x 13,943 kg 4.15% 3.15%
- Average calving interval: 12.8 months
- 55% of cows in 3rd lactation or more
- Type: 14 EX, 136 VG and 282 GP
- 119 cows with 100,000 kg or more
- Current sires: Manifold, Brewmaster and a wide variety of DNA sires

calved for the first time on October 18, 2006 (1.10 years old) and calved for the eleventh time on November 27, 2016. Her production, displaying an impressive average of 37 kg per day of life, is now at 165,653 kg. 3.5% 3.2%. She is thus pursuing the achievements of her dam, Summitholm Copper Claire, who holds the herd record with 172,000 kg. A topper for kg fat and protein is Summitholm Trent Kate: 156,380 kg 4.3% 3.4% to date, in 11 lactations and good for 12,084 kg fat+protein. Kate descends from a Rudolph dam with more than 100,000 kg. Also clearly among the herd favorites is Summitholm Ashlar Lee, who in five lactations exceeded 100,000 kg and is now at 114,000.

COW COMFORT

‘We are in the fortunate circumstance of having bred so many 100,000 kg cows. But while a high genetic potential for production is important, cow comfort is still the most important factor,’ tells Loewith. ‘Poor barns are deadly for cows.

Perhaps not directly, but certainly indirectly. If older cows have twins, a displaced abomasum, or another ailment, then they are at a great risk of leaving the farm if cow comfort is not optimal. And even if they survive, they lose too much weight, which makes it very difficult to get them pregnant.’ According to Loewith, spacious free stalls with sand bedding have made a tremendous contribution to high lifetime productions, along with good hoof care, via foot baths and hoof trimming. ‘A good hoof trimmer can add years to the life of a cow.’

KG PER DAY OF LIFE

Summitholm currently has good young cows by Galaxy, Epic, Bookem and Camaro. ‘They give lots of milk, have high quality udders, super feet and legs, and are easy to handle,’ tells Dave, who with sire selection (15% daughter proven & 85% DNA) makes use of the total indexes Net Merit, Pro\$ and CRI's Ideal Commercial Cow Index. ‘We have a high regard for indexes,’ tells

Loewith, who eagerly offers a suggestion for a new selection tool, namely kg milk/day of life. ‘As a dairy industry, we are very interested in fitness traits, and rightly so. But the best indicator of health is the direct measurement of the trait kg milk/day of life. Cows can only realize a high average daily production when they produce a lot and enjoy good health, fertility, and longevity.’ According to Loewith, older cows deserve more credit in breeding and more attention needs to be given to average daily production. ‘As an industry, we need to endorse new traits. There is namely an enormous difference between the profitability of a cow that gave 125,000 kg with a production per day of life of 25 kg and a cow that produced 125,000 kg with a daily production of 34 kg.’ The difference in feed costs, according to Dave, is large and thus also a factor in profitability. ‘In these economic times, it is very important that we recognize efficient cows and cow families.’ ●

Latest semen sales trends

Holstein straws continue to dominate Australian dairy semen sales, as reported in the 2017 Semen Market Survey Results published by the National Herd Improvement Association of Australia (NHIA).

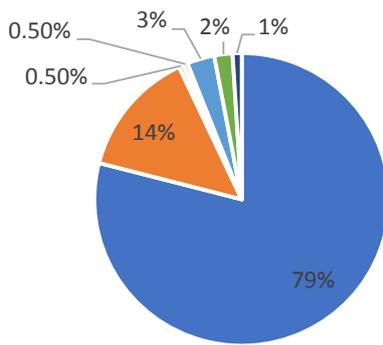
NHIA Chairman, Graeme Gillan, said 2017 saw a record number of Holstein straws sold in Australia (1,609,595) which represented 79% of dairy sales (see pie chart).

One of the most significant trends over the past six years has been the rising popularity of genomic sires which has been matched by a steady decrease in sales of daughter proven sires and a gradual drop in the use of progeny test sires (see graph: Dairy semen sales by category).

The year saw a continued increase in the doses of sexed semen sold (see graph: Doses of sexed semen sold) although it still represents a small proportion (0.7%) of the total number of doses sold.

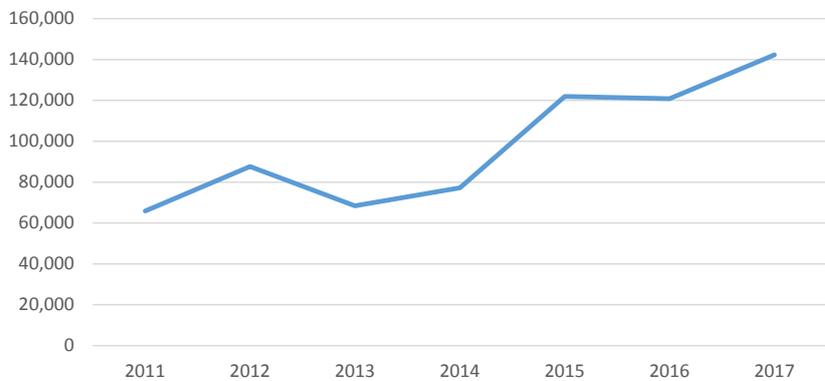
Also of note was an increase in the number of exports of Australian dairy and beef semen to overseas pasture-based dairy regions such as South Africa, New Zealand and South America. Export sales jumped from 127,998 in 2016 to 198,214 in 2017. Genetics Australia reported that most exported semen was Jersey and Aussie Red.

2017 dairy sales by breed (%)

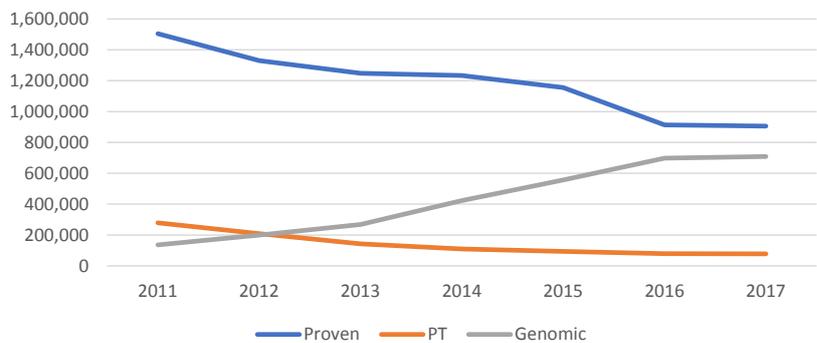


■ Holstein ■ Jersey ■ Illawarra ■ Brown Swiss ■ ARB ■ Kiwi Friesian ■ Other

Doses of sexed semen sold



Dairy semen sales by category



Dairy Sales by Breed by year	2010	2011	2012	2013	2014	2015	2016	2017
Holstein	1,334,892	1,530,057	1,525,776	1,470,581	1,498,275	1,597,106	1,516,992	1,609,595
Jersey	250,873	278,307	277,744	235,391	294,569	327,186	270,795	281,648
Illawarra	11,578	57,584	30,738	12,738	11,915	12,281	14,540	11,216
Brown Swiss	12,897	15,292	17,581	18,552	17,965	15,351	12,545	11,832
ARB	54,809	51,897	55,487	61,083	56,842	55,180	48,210	58,512
Montbeliarde	4,322	8,556	8,106	7,563	6,852	2,563	2,736	1,972
Ayrshire	8,841	11,734	8,692	8,530	7,378	9,193	13,671	8,427
Guernsey	4,164	5,431	5,759	3,058	4,878	4,374	6,043	3,707
Kiwi Friesian	10,826	14,794	14,105	20,560	29,246	34,577	48,475	41,375
Other	2,605	12,053	1,977	3,068	3,578	3,485	6,091	4,721
Total Sales	1,695,807	1,985,705	1,945,965	1,841,124	1,931,498	2,061,296	1,940,098	2,033,005

New sexed semen option

Dairy farmers will have more choice for sexed semen with the launch of Sexcel, a new sexed semen technology, offered by ABS Australia.

Sexed semen is a popular tool enabling farmers to breed for female progeny. Benefits include fast-tracking genetic gain and improved animal welfare outcomes through fewer unwanted male calves.

Paul Quinlan, ABS Australia National Sales Manager said more of ABS's genomic bulls that ranked high for Balanced Performance Index (BPI) would be available in both sexed and conventional semen.

ABS is expecting the product to be popular in Australia, reporting overwhelming demand in a number of overseas markets where it was launched in late 2017.

"The exceptional performance of Sexcel both internationally and here at home has been proven through extensive field trials and is the result of a lengthy development process by ABS to produce a novel proprietary technology for sexing bovine semen," Paul said.

Unlike traditional sexed semen technologies, Sexcel uses laser technology to destroy male sperm cells. It does not subject sperm cells to high pressure, electric currents or shear forces.

Making more heifers at Purnim Holsteins

Anthony Eccles (Purnim Holsteins, Western Districts, Victoria) jumped at the chance to be one of the first Australian dairy farmers to trial Sexcel, the new sexed semen available from ABS Australia, and he is very pleased with the outcome.

"We trialled Sexcel semen from three ABS bulls over 24 heifers," Anthony said. "We achieved a 50% conception rate and over 90% were heifers."

Producing more heifer calves has many benefits for Anthony and Wendy Eccles, who milk more than 400 cows.

"We run a very high merit genetics program. Up to 17% of our revenue each year is from heifer calf sales. We can sell six-month-old genomic heifers locally for \$1,400 each, so 40 extra calves from sexed semen potentially gives us much increased income," he said.

"We have very few holding costs selling them so young. We find the heifers need to be above average weight for their age when they are joined and that they do better through a synchronisation program than through natural heats."

Anthony and Wendy genomically test all retained progeny, which are carefully matched with bulls to achieve optimum genetic progress.

Sexcel is now available in Australia.

RIGHT: Anthony Eccles, Purnim Holsteins has been pleased with the results of using Sexcel, the new sexed semen available from ABS Australia.



Table 1: Improvements in reliability of the Fertility ABV.

	Aug 2015	Dec 2017	Aug 2015	Dec 2017	Aug 2015	Dec 2017	Aug 2015	Dec 2017
Bulls								
	Young bull		Young bull with genotype		1st crop bull		1st crop bull with genotype	
Daughter Fertility ABV reliability	22	30	45	53	71	71	75	75
Females								
	Young heifer		Young heifer with genotype		7-lactation cow		7-lactation cow with genotype	
Daughter Fertility ABV reliability	20	23	44	50	37	38	53	56

Holstein fertility recovers

Recent figures from DataGene confirm that the genetic trend for fertility in Holstein cows is improving. After two decades of decline, the average Daughter Fertility Australian Breeding Value (ABV) of cows born in 2014 is similar to cows born in 1993 (Graph 1).

Michelle Axford from DataGene said a number of things contributed to the turnaround including the introduction of the Fertility ABV in 2003, an increased emphasis on fertility in the national index from 2010 and the availability of genomic selection from 2010. Improvement was accelerated by the release of the new multi-trait Fertility ABV in 2013.

“We know placing high selection pressure on fertility alone will compromise production but genetic variation for fertility does exist and some bulls produce daughters that are more likely to become pregnant earlier. And there are some exceptional bulls that are strong for both fertility and production,” she said.

The release of the new Fertility ABV gave farmers a powerful tool – to identify those exceptional animals with the combination of good genes for both fertility and production traits. Genomic selection boosted this by enabling the use of superior bulls from a younger age.

“In 2010, there were no bulls in the top 20 of the Good Bulls Guide with a Fertility ABV above 100. In December 2017, all bulls in the top 20 of the Good Bulls Guide have a Fertility ABV of at least 100,” Michelle said.

This gives today’s dairy farmers a lot more choice when breeding for improved fertility and the trend on the graph shows that farmers have been taking advantage of this choice.

The rapid increase in the numbers of animals being genotyped in recent

years has contributed to significant improvements in the reliability of the Fertility ABV (Table 1). Farmers can be increasingly confident that selecting bulls with a Fertility ABV of above 100 will produce daughters that are more likely to become pregnant, earlier.

Latest survival data

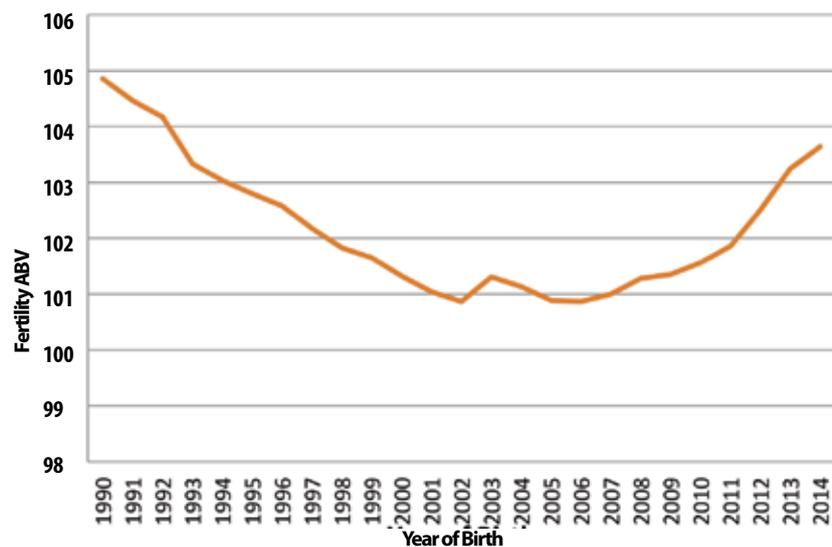
Australian dairy farmers have a proud history of producing cattle bred for survival/longevity. Graph 2 shows that

almost a third of cows in Australian herds are at least six years old. The results are similar across breeds.

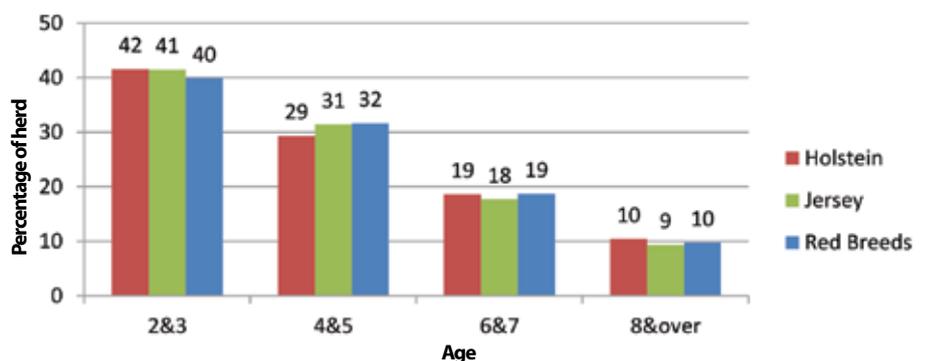
Cow survival is an important contributor to farm profit. Cows that milk through to maturity maximise their production potential, reduce replacement costs and create the opportunity to increase genetic gain by heavier culling on production.

Survival/longevity affects the average age in the herd. This is important to farm profitability because a cow needs to last beyond her first lactation to produce enough milk to recover her rearing costs and start generating a profit. In Australia, the average herd age is close to 56 months for Holsteins and similar in other breeds.

Graph 1: Genetic trend for fertility in Holstein cows (October 2017)



Graph 2: Age distribution of herd recorded cows by breed (at most recent calving)





Classification Tour Results

09/11/2017 to 15/02/2018

South West Riverina, NSW

KIT DAVIDSON

EX-90-1E Kit Pvforbode Gemma 4 Lact.

FLANAGAN FARMS

VG85 Jibantra Park Mccutchen Randell 3-ET 1L 2.6Y

G M & P E FLEMMING

EX-91-3E Philmar Harry Patsy 2902 8 Lact.

MITCHELL J FLEMMING

VG85 Hillcrest Loaded Velvet 1L 2.4Y

MITCHELL J FLEMMING & ELMAR HOLSTEINS

EX-90-1E Eagle Ridge Progress Julie 8 Lact.

LOSTROH PARTNERS

EX-90 Cloverton Chester (MALE) 6.3Y

G G & J D MCPHEE

EX-92-1E Hillview Park Ariel Juliana 2 3 Lact.

EX-90-1E Hillview Park Adeen Eve 4 Lact.

EX-90-1E Hillview Park Alicia Maida 4 Lact.

EX-90-1E Hillview Park Db Trix 6 Lact.

EX-90-2E Hillview Park Lheros Trixie 5 Lact.

EX-90-2E Hillview Park Maliboo Beryl 6 Lact.

EX-90-2E Hillview Park Wild Libby 5 Lact.

VG85 Hillview Park Kaliber Victoria 1L 2.7Y

ROBIN & LOWIS WHITE

EX-90-1E Luccombe Fulton Lady 3 Lact.

EX-90-1E Luccombe Guthrie Crystal 3 Lact.

EX-90-1E Luccombe Outside Florina 7 Lact.

VG87 Luccombe Damion Eva 1L 2.9Y

VG86 Luccombe Damion Irene 1L 2.9Y

VG85 Luccombe Damion Evita 1L 2.10Y

VG85 Luccombe Elcid Shale 1L 3.3Y

VG85 Luccombe Sanchez Cybelle-ET 1L 3.3Y

Fleurieu & Central South Australia

J C ALTMANN & SON

EX-92-3E Blackwood Park Lheros Fea 6192 8 Lact.

EX-90-1E Blackwood Park Bellfire Viv 6494 6 Lact.

VG85 Blackwood Park Brady Georgie 7509 1L 2.7Y

BILLABONG HOLSTEINS PTY LTD

EX-90-1E Billabong Trump Friday 3 Lact.

VG85 Billabong Artie Pebble 1L 3.1Y

BRAEFORD PROP.

EX-91-1E Braeford Deano Karlee 3 Lact.

EX-91-3E Braeford Shottle Petunia 6 Lact.

EX-90-1E Braeford Rhyme Petunia 8 Lact.

EX-90-2E Braeford Fortress Emma 4 Lact.

VG85 Braeford Hammer Emma 1L 2.2Y

EDGE HOLSTEINS

VG86 Edge Brokaw Sweet 2 1L 3.4Y

VG86 Edge Gerold Marissa 1L 2.10Y

ESJAY HOLSTEINS

EX-90-1E Esjay Garrison Marina 4 Lact.

EX-90-1E Esjay Tango Warratah 3 Lact.

EX-90-3E Esjay Garrison Luckystar 6 Lact.

EX-90-3E Esjay Ross Cassablanka 5 Lact.

GLENMAX HOLSTEINS

EX-90-2E Glenmax Hayden Cyn 5 Lact.

VG85 Glenmax Lars Sadie 1L 2.6Y

GLENUNGA PROPRIETORS

EX-92-1E Glenunga Forbidden Heaven 7 Lact.

EX-91-3E Glenunga Batman Barbara 7 Lact.

EX-90-1E Belmont Steady Paula 4 Lact.

EX-90-1E Glenunga Destry Gianna 4 Lact.

EX-90-1E Glenunga Jester Buttermoon 5 Lact.

EX-90-1E Glenunga Santo Butterdell 7 Lact.

EX-90-3E Glenunga Fairvale Tea 9 Lact.

EX-90-2E Glenunga Beacon Helena 4 Lact.

VG85 Glenunga Lavanguard Glenna 1L 2.11Y

L B & M A GOLDER

VG85 Golderama Shottle 2240 1L 3.4Y

SHERRIE & JAMES HURRELL

EX-91-1E Rockwella Farm Medallion Belle 4 Lact.

MANNA FARM HOLSTEINS

VG85 Manna Farm Aikman Haze-TWIN-RED 1L 2.9Y

VG85 Manna Farm Mccutchen Deone 1L 2.9Y

C G & F D MASON

EX-90-1E Jervois Hero Mary 2nd 4 Lact.

VG86 Jervois Digger Honey 1L 3.4Y

VG85 Jervois Doorman Sue 1L 2.8Y

VG85 Jervois Fever Brittany 1L 2.1Y

VG85 Jervois Libra Duchey 1L 2.9Y

VG85 Jervois Shocker Lisel 1L 3.6Y

MISTY BRAE HOLSTEINS PTY LTD

EX-90-2E Misty Brae Shottle Dela 4 Lact.

VG85 Misty Brae Shadow Hazel 1L 3.2Y

H A NEWMAN & CO

EX-90-1E Newlyn Park Regan Maid 4 Lact.

ANDREW PACITTI

EX-91-4E Mistymoo Ladino Paris-RED 7 Lact.

S & I PACITTI

EX-90-1E Manna Springs Informer Tina 8 Lact.

PARINGA VIEW PARK PTY LTD

EX-90-2E Grantley Dundee Mary 4 Lact.

PRIME SA

VG85 Primeacres Hercules Hallie 1L 2.4Y

ROCKWELLA FARM HOLSTEINS

EX-90-3E Rockwella Farm Donante Delight 7 Lact.

EX-90-3E Rockwella Farm Legend Jewel 2nd-ET 5 Lact.

C J & K A ROYANS

EX-92-1E Windy Vale Breakout Kate 4 Lact.

EX-92-2E Windy Vale Breakout Toni 4 Lact.

EX-90-1E Windy Vale Windbrook Candice-ET 4 Lact.

EX-90-7E Windy Vale Pat Faith 10 Lact.

South Eastern South Australia

BENLARGO HOLSTEINS

EX-90-1E Benlargo Braedale Mavis-IMP-ET 4 Lact.

EX-90-2E Grantley Damion Flora-ET 4 Lact.

FANTASIA PASTORAL CO P/L

EX-91-1E Fantasia Emory Connie 6 Lact.

EX-91-4E Fantasia Blitz Edna 10 Lact.

EX-90-1E Fantasia Ford Lisa 7 Lact.

EX-90-2E Fantasia Bigtime Quaint 4 Lact.

BRETT M FIEBIG

VG85 Mooway Smokin Laverne 2 1L 2.9Y

D J & T A FIEBIG

EX-90-3E Warramont Roumare Fortune-ET 6 Lact.

WESTDAMA HOLSTEINS

VG85 Westdama Favourite Daytime 1L 2.11Y

Tasmania

D W & J R BERNE

EX-90-1E Fossil Park Altaiota Fiona 158 5 Lact.

CALTHORPE FRIESIAN STUD PTY LTD

EX-90-1E Calthorpe Durham Rosebud 4-ET 6 Lact.

EX-90-1E Calthorpe Lheros Princess 7 Lact.

EX-90-2E Calthorpe Dundee Maid 2 7 Lact.

EX-90-2E Calthorpe Windbrook Rosebud 3 4 Lact.

G W & B J CARPENTER & FAMILY

EX-91-1E Murribrook Windhammer Candace-ET 3 Lact.

EX-90-1E Garerley Bolton Shamrock 4 Lact.

EX-90-1E Garerley Shottle Jamie 5 Lact.

EX-90-5E Barostin Ice Chris 749 9 Lact.

VG85 Garerley Gee Jay Cherry 1L 3.1Y

VG85 Garerley Loaded Jamie 1L 2.10Y

CRADLEVIEW HOLSTEINS

EX-92-2E Cradle View Lucky Charm 9 Lact.

EX-90-1E Burnvale Jenus Posch 9 Lact.

EX-90-1E Coomboona Hosterling Midgey-ET 5 Lact.

EX-90-1E Cradle View Baxter Lucy 2nd 5 Lact.

EX-90-1E Cradle View Talent Lucy 6 Lact.

EX-90-1E Cradle View Windbrook Tracey 4 Lact.

EX-90-3E Cradle View Lheros Topsy 6 Lact.

EX-90-2E Plana Alanta Delta 7 Lact.

DATUMVALE HOLDINGS PTY LTD

EX-91-1E Ryanna Allen Topsy 2nd-ET 6 Lact.

EX-91-3E Braeford Prime Priscilla 10 Lact.

EX-90-1E Datumvale Cs Dewdrop 7 Lact.

EX-90-1E Datumvale F C Beets 4 Lact.

EX-90-3E Datumvale Cedarwal Ding 8 Lact.

EX-90-2E Datumvale Deen Candice 7 Lact.

VG85 Datumvale Absolute Victoria 1L 3.1Y

VG85 Datumvale Contrast Tamsin-ET 1L 2.2Y

FAIRVALE HOLSTEINS

EX-90-1E Fairvale Fever Josie 84-TWIN 3 Lact.

VG87 Fairvale Goldchip Josie 117 1L 3.2Y

VG86 Fairvale Aftershock Josie 116 1L 3.2Y

VG86 Fairvale Goldchip Melody 770 1L 3.2Y

FAIRVALE HOLSTEINS & BLUECHIP HOLSTEINS

VG86 Fairvale Bradnick Josie 118 1L 3.4Y

GREENBANKS PTY LTD

EX-91-2E Panatana Goldwyn Rosebud 5 Lact.

EX-90-1E Panatana Samuelo Rose 2nd 5 Lact.

EX-90-1E Panatana Si Prue 5 Lact.

J I HORTLE

EX-92-5E Jamala Talent Mist 8 Lact.

EX-91-1E Jamala Talent Carmel 7 Lact.

J M & V LILLICO

EX-90-1E Hindlee Royal Emerald 13061 3 Lact.

VG86 Hindlee Royalman Sandra 15124 1L 2.2Y

VG85 Hindlee Dempsey G Dream 15248 1L 2.1Y



L R & S J THOMPSON

EX-93-2E	Linsand Contender Spark	5 Lact.
EX-90-1E	Linsand Atwood Dee	4 Lact.
EX-90-1E	Linsand Laurin Tobi	5 Lact.
VG86	Linsand Aftershock Jan	1L 2.7Y

L R & S J THOMPSON & L THOMPSON & W McKAY

EX-97-5E	Fairvale Morty Lady 51	7 Lact.
EX-90-1E	Linsand Dundee Corona-ET	5 Lact.

L R & S J THOMPSON & L THOMPSON & W McKAY & C R THOMPSON

VG87	Linsand Fever Elegant	1L 2.8Y
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East Gippsland, Victoria

R H & D E GRUMLEY

EX-90-1E	Far Vista Colin Terry	7 Lact.
EX-90-1E	Far Vista Sa Sophia	6 Lact.

W E & M J & T W HENRY

EX-90-1E	Wilara Delsanto Paulini	3 Lact.
VG86	Wilara Starshiraz Patty	1L 2.9Y
VG85	Wilara Atley Jo	1L 2.10Y

R JOHNSTON

EX-90-1E	Glomar Roumare Lady 4100	4 Lact.
EX-90-1E	Glomar Shamrock Annelly 4832	4 Lact.
VG86	Glomar Mccutchen Annelly 5506	1L 2.8Y
VG85	Glomar Supersire Lady 5435-ET	1L 2.11Y
VG85	Glomar Supersire Lucky 5431-ET	1L 2.11Y

DECLAN L PATTEN

VG85	Lightning Ridge Armani Lotto-IMP-ET	1L 2.5Y
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S J TILBURG

EX-90-3E	Merah Holsteins Dundee Elli	6 Lact.
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North-Eastern Victoria

ADLEJAMA HOLSTEINS

VG85	Adlejama Atley Cathy 3035	1L 3.4Y
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ROSS A COOK

EX-90-1E	Jet Star Yshout Anastasia 2140-ET	3 Lact.
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I D & A M HOLLOWAY

VG86	Gundowring Canbee 6183	1L 2.7Y
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PRICE HILL PTY LTD

EX-91-3E	Mooramba Lord Soo	10 Lact.
VG85	Bluff Glen Wilpower Ella 2533	1L 2.8Y
VG85	Wellerleigh Atwood Ambrosia-IMP-ET	1L 3.11Y

M G & A M YEA

EX-91-1E	Mallagannee Luckystrike 1566	9 Lact.
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North-Western Victoria

K M & D W GILMORE

EX-90-1E	Ingolston Ls Zarita	6 Lact.
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GLYNYARI HOLSTEINS

EX-90-1E	Bluechip Dundee Whynot-ET	6 Lact.
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R K & J R GORDON

EX-92-1E	Gorbros Goldwyn Robin-ET	3 Lact.
EX-91-3E	Gorbros Final O Shimmer	6 Lact.
VG86	Gorbros Atdoorman Tiffany-ET	1L 2.7Y
VG86	Gorbros Mckutch Shimmer-ET	1L 2.7Y
VG86	Gorbros Unbelievable Atwood-ET	1L 2.7Y
VG85	Gorbros Atoutsid Meg-ET	1L 2.3Y
VG85	Gorbros Kassie Atwood-ET	1L 2.3Y

MITCH HOLSTEINS

VG85	Mitch Sabathia Lyre	1L 2.5Y
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R J & R N ROBINS

EX-90-1E	Willette Damion Alison 3-ET	3 Lact.
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R L & T L WISHART

VG85	Windy Vale After Bonnie-IMP-ET	1L 3.4Y
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Northern Victoria

G B & M M ANDERSON

VG85	Fairvale Goldchip Josie 125	1L 2.11Y
VG85	Strongbark Candy Red-RED	1L 2.6Y

BLUECHIP HOLSTEINS

VG86	Fleyas Doorman Lotus-ET	1L 2.4Y
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CAIRNHILL

EX-91-1E	Cairnhill Braxton Paradise 1st-ET	3 Lact.
EX-91-3E	Cairnhill Morsan Presence-ET	7 Lact.
VG87	Cairnhill Atwood Pretty-ET	1L 2.5Y
VG86	Cairnhill Atwood Prize-ET	1L 2.5Y
VG86	Cairnhill Goldchip Muskie	1L 2.4Y
VG86	Cairnhill Paradales Poppy-ET	1L 2.10Y
VG86	Cairnhill Paradise Dream 2nd-ET	1L 2.8Y

DARREN CRAWFORD

EX-91-1E	Coolea Braxton Leyla-IMP-ET	3 Lact.
EX-90-1E	Coolea Jaspers Debut-ET	4 Lact.
EX-90-1E	Ryanna Bolivia Posch	4 Lact.
VG88	Horizon Bradnick Paradise 2-ET	1L 2.11Y
VG86	Horizon Bradnick Ambrosia 2-ET	1L 2.11Y
VG86	Horizon Brokaw Loyal	1L 2.6Y
VG86	Horizon Windbrook Leyla	1L 2.9Y
VG85	Grantley Lavan Min	1L 4.2Y
VG85	Horizon Aftershock Brownie 2-ET	1L 3.3Y
VG85	Horizon Atwood Debutante	1L 2.6Y
VG85	Horizon Bradnick Ambrosia 5-ET	1L 2.11Y
VG85	Horizon Goldwyn Posch-ET	1L 3.9Y
VG85	Horizon Sid Loyal 2-ET	1L 3.3Y
VG85	Horizon Windbrook Liana	1L 2.9Y
VG85	Robley Park Ladd Bonnie	1L 3.6Y
VG85	Tamar Never Brianna	1L 2.7Y
VG85	Tamar Never Dianna	1L 2.8Y

ANDREW CULLEN & CRAWFORD FAMILY

EX-90-1E	Leader Hero Satin-ET	3 Lact.
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D E & S K CULTON

VG85	Calivil Park Sv Bolton Magpie	1L 3.2Y
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FERGUSON FARMS

EX-90-1E	Rengaw Cardinal Jarmony	4 Lact.
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J M HISCOCK & SONS

EX-91-1E	Brurub Critoystory Betsyann	5 Lact.
VG85	Brurub Brooksy Maiden 2nd	1L 2.9Y
VG85	Brurub Hogoldwyn 4th Mari	1L 3.5Y

HORROCKS PARTNERSHIP

VG86	Foxleigh Damion Agatha 2	1L 3.3Y
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PARINGA HOLSTEINS

EX-91-1E	Paringa Fever Opa	3 Lact.
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A J PEATLING

VG85	Rockstar Atwood Ok7-IMP-ET	1L 3.0Y
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G R & C E PEATLING

VG85	Pooley Bridge Gillespie Elegance 20	1L 2.6Y
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WALLAROI HOLSTEINS

EX-91-3E	Wallaroi Export Shamrock	11 Lact.
EX-90-1E	Belmont Shottle Bonnie	4 Lact.
EX-90-4E	Belmont Zander Ita	9 Lact.
EX-90-2E	Wallaroi Blackstorm Dea	6 Lact.

South Gippsland, Victoria

W R & B G ANDERSON

EX-93-4E	Bundalong Colin Ding-ET	8 Lact.
VG85	Bundalong Canbee Luca 3442	1L 2.7Y

Classification tours

April 2018: NSW- Hunter & New England, Queensland and Far North NSW

May: Tasmania, North East Victoria, Riverina, Western Districts

June/July: Northern Victoria, North West Victoria, Gippsland

E, A & R ATTENBOROUGH

EX-91-1E	Wooraine Park Dynamic Edna	10 Lact.
EX-90-1E	Attaview Shottle Jess	4 Lact.
EX-90-1E	Attaview Steady Spotty	3 Lact.
EX-90-1E	Attaview Suntor Jelica-IMP-ET	3 Lact.
EX-90-4E	Attaview Luckymike Barbara	8 Lact.
VG85	Attaview Pepper Kira	1L 2.8Y

D & C & R BERRYMAN

EX-91-1E	Netherwood Dolman Katie	4 Lact.
EX-90-1E	Netherwood Bonair Petal-ET	6 Lact.
EX-90-1E	Netherwood LauthORITY Lois	4 Lact.
EX-90-1E	Netherwood Million Patsy	4 Lact.
VG86	Netherwood Lauth Michelle	1L 2.9Y
VG85	Netherwood Doorman Bell	1L 2.6Y
VG85	Netherwood Lauth Lauren	1L 2.11Y

L G & L A & T C CALDER

EX-90-1E	Calderlea Allen Faith-ET-OC	8 Lact.
EX-90-1E	Calderlea Dj Ballerina	5 Lact.
EX-90-1E	Calderlea Dj Ld Faith	5 Lact.

CARISMA HOLSTEINS

EX-90-1E	Cairnhill Dundee Sky	5 Lact.
VG85	Carisma Dreamy Paradise 1st-ET	1L 2.7Y

CARISMA HOLSTEINS & CAIRNHILL

EX-91-1E	Carisma Demolish Victory	3 Lact.
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MITCHELL A CLARK

EX-90-1E	Burn-Brae Bolivia Pastel-ET	5 Lact.
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T J & J E CLARK

EX-90-1E	Harklaje Ginjack Bondi	4 Lact.
EX-90-3E	Harklaje L Nyke Trina	6 Lact.
VG85	Harklaje Licorice Tenora	1L 2.9Y

K D & E S & B E HARRIS

EX-90-1E	Yaringa Pardon 8800	6 Lact.
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A J HARRISON

EX-91-1E	Krishlaye LauthORITY Pippa-ET	4 Lact.
EX-90-1E	Krishlaye Tko Woody	5 Lact.
EX-90-4E	Krishlaye Igniter Polar	7 Lact.
VG85	Krishlaye Dempsey Diana	1L 2.4Y

INLET VIEW HOLSTEINS

EX-92-3E	Inlet Goldbullion Precious	8 Lact.
EX-92-3E	Inlet Superior Pamela	8 Lact.
EX-90-1E	Ardmoor Shottle Jane	5 Lact.

JONES FAMILY

EX-91-1E	Kemi-Kahe L111	5 Lact.
EX-90-1E	Belmont Ladino Sylvia	4 Lact.
EX-90-1E	Kemi-Kahe K91	6 Lact.
EX-90-1E	Willette Mrsam Alison 12-ET	3 Lact.
EX-90-2E	Amelia Park Toy Tammy 2nd-ET	7 Lact.
EX-90-2E	Grantley LauthORITY Jan-ET	4 Lact.

R & H PERRETT

VG85	Hill Valley Monterey Noleta	1L 2.5Y
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P G PRICE

EX-90-2E	Town-View Bonair Blossom	7 Lact.
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JUSTIN STALEY

EX-91-1E	Dockaville Jurorford Dreamy	4 Lact.
EX-90-1E	Dockaville Jayz Edna	6 Lact.
EX-90-1E	High Green Shottle Satin-ET	5 Lact.

**WANDILLA PAST CO**

EX-92-7E	Roseworthy Storm Tarasa	10 Lact.
EX-91-3E	Bushlea Gold Crinkle-ET	7 Lact.
EX-90-1E	Wandilla Allen Beauty 39th	8 Lact.

KL & D M WHITE

EX-90-2E	Dilee Donante Ella 219	5 Lact.
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West Gippsland, Victoria**D & C ARMSTRONG**

EX-90-1E	Thornhill Creek Jeeves Angie 3565	5 Lact.
EX-90-1E	Thornhill Creek Talent Angie 3570	5 Lact.

C & F BILLS

EX-91-7E	Westold Igniter Blanket-ET	10 Lact.
EX-91-2E	Hearts Ridge Lheros Perri	6 Lact.
EX-90-3E	Wilrob Jf Jade	5 Lact.
VG85	Hearts Ridge Bradnick Captain	1L 2.3Y

GARDINER P/L HV & VJ & JH

EX-90-1E	Linsand Aspen Cinnamin-ET	3 Lact.
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JH & C J GARDINER

EX-93-2E	Avonlea Braedale Bettine	4 Lact.
EX-93-2E	Avonlea Talent Fran-ET	4 Lact.
EX-92-2E	Avonlea Shottle Tammy	5 Lact.
EX-91-1E	Avonlea Crackholm Bianca-IMP-ET	4 Lact.
EX-91-1E	Avonlea Finalcut Sue	3 Lact.
EX-91-1E	Grantley Baxter Isobelle	4 Lact.
EX-91-2E	Murribrook Jasper Reba-ET	5 Lact.
EX-90-1E	Avonlea Fever Pip	4 Lact.
EX-90-1E	Avonlea Goldwyn Carol	4 Lact.
EX-90-1E	Fraser Brendal Carla	3 Lact.
EX-90-1E	Pardee Farnear Janice	3 Lact.
EX-90-1E	Wyoming Shottle Dixie	5 Lact.
EX-90-2E	Murribrook Jasper Perry-ET	5 Lact.
VG86	Avonlea Ladino Diamond-ET	1L 2.10Y
VG86	Budgeree Loaded Alicia-ET	1L 2.8Y
VG86	Horizon Atwood Paradise-ET	1L 2.5Y
VG85	Avonlea Dempsey Vee-ET	1L 2.10Y
VG85	Avonlea Golden Gretchen	1L 2.6Y
VG85	Avonlea Golden Heather	1L 2.7Y
VG85	Avonlea Sanchez Alana-IMP-ET	1L 2.7Y
VG85	Avonlea Selector Paula	1L 2.7Y
VG85	Avonlea Sid Libby-IMP-ET	1L 2.10Y
VG85	Avonlea Windbrook Essie-ET	1L 2.10Y
VG85	Budgeree Aa Jodie-ET-RED	1L 2.10Y
VG85	Pooley Bridge Oakshade Pet 7	1L 2.3Y

GILDON PARTNERSHIP

EX-90-3E	Gildon Moet Surry	10 Lact.
EX-90-2E	Gildon Goldbullion Bev	10 Lact.
VG85	Gildon Omega Jillian	1L 2.9Y

JARRAH HOLSTEINS

EX-90-1E	Creswick Sanchez Francis	6 Lact.
EX-90-1E	Creswick Toystory Susan 2nd	5 Lact.
EX-90-2E	Creswick Sam Susan 5th	5 Lact.

MUNDEN FARMS HOLSTEINS

EX-91-1E	Heartland Dundee Angel	5 Lact.
EX-90-2E	Bluechip Dundee Marion	6 Lact.
VG85	Avonlea Lady Ruby 2nd-ET	1L 2.9Y

ADAM J NELSON

EX-91-3E	Taraglen Roy Meg	8 Lact.
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MATTHEW ROBERTSON

EX-90-4E	Monyip Exhaust 2943	10 Lact.
EX-90-2E	Redholme Bullion Tulip	12 Lact.

CD & S P RUSSELL

EX-91-2E	Tallelms Redesign Renee	5 Lact.
EX-90-1E	Tallelms Firepower Delilah	5 Lact.
EX-90-3E	Tallelms Outside Nancy	10 Lact.
EX-90-2E	Tallelms Ladino Donnal	9 Lact.
EX-90-2E	Tallelms Toystory Pet	7 Lact.

TROY SMETHURST

EX-90-1E	Lightning Ridge Braxton Ambition-ET	4 Lact.
EX-90-1E	Smethurst Park Shottle Viola	5 Lact.
EX-90-5E	Jindaview Jayz Mona	7 Lact.
VG85	Eclipspeirce Lr Class Canto-IMP-ET	1L 2.4Y
VG85	Smethurst Park Unix Electra 4481	1L 2.7Y

WINAVIEW HOLSTEINS

VG85	Winaview Observer Rain-ET	1L 2.10Y
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Western District, Victoria**ALNOR PARTNERS**

EX-90-1E	Alnor Helga Dundee 5083	8 Lact.
VG85	Alnor Paula Larry 7143	1L 2.10Y

DONNA EDGE

EX-90-1E	Wyena Brook Caboose-ET	3 Lact.
EX-90-2E	Wyena Buster Shannel	7 Lact.
VG85	Wyena Regs Rea	1L 2.8Y

PETER H FULLERTON

EX-90-1E	Belmont Tennyson Ita	5 Lact.
VG85	Daybreaker Doorman Connie	1L 3.3Y

GLAMORGAN HOLSTEINS

VG85	Country Road Picola Anastasia-ET	1L 3.3Y
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CHRIS & MARY GLEESON

EX-94-5E	Elm Banks Perform Gleam	7 Lact.
EX-93-1E	Eclipse Goldchip Tiffany	3 Lact.
EX-93-5E	Elm Banks Shottle Tanya-ET	7 Lact.
EX-93-4E	Braeford Shottle Marietta	7 Lact.
EX-93-4E	Elm Banks Blitz Topsy	6 Lact.
EX-93-3E	Elm Banks Fortune Night	6 Lact.
EX-93-2E	Elm Banks Damion Delila	4 Lact.
EX-92-1E	Elm Banks Fortres Faithful	3 Lact.
EX-92-1E	Elm Banks Gold Sky	3 Lact.
EX-92-1E	Fairvale Damion Melody 700	3 Lact.
EX-91-1E	Elm Banks Bolivia Colleen	3 Lact.
EX-91-1E	Elm Banks Bradnick Lass	3 Lact.
EX-91-1E	Elm Banks Fair Rosette	3 Lact.
EX-91-1E	Elm Banks Zelgadis Victory	3 Lact.
EX-91-4E	Elm Banks Du Primrosette-TWIN	6 Lact.
EX-91-3E	Elm Banks Faithful Mrsam	5 Lact.
EX-91-3E	Elm Banks Lance Lulu	9 Lact.
EX-91-2E	Elm Banks Atwood Jemma	4 Lact.
EX-91-2E	Elm Banks Damion Essie	5 Lact.
EX-91-2E	Elm Banks Windbrook Lulu	4 Lact.
EX-90-1E	Elm Banks Brad Butterlass	3 Lact.
EX-90-1E	Elm Banks Chez Butterlass-ET	5 Lact.
EX-90-1E	Elm Banks Diannes Shottle	3 Lact.
EX-90-1E	Elm Banks Leo Precious	3 Lact.
EX-90-1E	Elm Banks Mrs Primrosette	5 Lact.
EX-90-1E	Jaguar Jeeves Rose	5 Lact.
EX-90-4E	Elm Banks Blitz Sky	7 Lact.
EX-90-4E	Elm Banks Princess Blitz	6 Lact.
EX-90-3E	Elm Banks Donnas Pic	7 Lact.
EX-90-3E	Elm Banks Redesign Lulu	6 Lact.
EX-90-2E	Elm Banks Athur Maddie	5 Lact.
EX-90-2E	Elm Banks Baltmor Leader	4 Lact.
EX-90-2E	Elm Banks Baltmor Leona-ET	4 Lact.
VG87	Elm Banks Loaded Lass	1L 2.6Y
VG86	Elm Banks Brillion Kay	1L 2.6Y
VG86	Elm Banks Lauthority Peach	1L 2.11Y
VG85	Elm Banks Atwood Faithful	1L 2.4Y
VG85	Elm Banks Circuit Shy	1L 2.5Y
VG85	Elm Banks Ding Ding	1L 2.7Y
VG85	Elm Banks Lass Who	1L 2.5Y
VG85	Elm Banks Million Gleam	1L 2.6Y
VG85	Fairvale Bradnick Josie 130	1L 2.10Y

CHRIS & MARY GLEESON & A & S BARRON

EX-91-1E	Paringa Braxton Parry	3 Lact.
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CHRIS & MARY GLEESON & BRAEFORD PROP.

EX-90-3E	Braeford Shottle Christy-ET	6 Lact.
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CHRIS & MARY GLEESON, DECLAN L PATTEN & RICHARD HULL

EX-95-2E	Windy Vale Contender Rose-ET	4 Lact.
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LJ & LJ GUYETT

EX-90-1E	Sunny Banks Jetfynn Sunny	3 Lact.
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DW & DM HOLCOMBE

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The Western Districts Dairy Youth Camp

BY FIONA HANKS

The Western Districts Dairy Youth Camp was held at Noorat, Victoria, on January 4- 5. The 58 participants came from many parts of Victoria, South Australia and one from Western Australia. Not all were from dairy farms; several live in local towns but they were all there to learn and enjoy.

We were fortunate to have Heather Martin, from the UK Holstein Exchange, in attendance; it was wonderful to have her there to share her knowledge with the participants. She had only arrived from Northern Ireland the day before the camp.

After running a 3-day camp the previous two years, the committee decided to change the structure and reduce it to two days for this year, and lower the age of participants opening it up to ages 5-15 years. The committee were kept on their toes with more than 16 children under 10 years old.

The children spent a large portion of the time with the calves, either brought from home or loaned a calf from local Holstein, Jersey or Illawarra studs. Clipping, leading and judging sessions were held with excellent mentors travelling to Noorat to share their knowledge with the kids.

Day 2 was combined with the annual Sub-branch Youth Show, with more than 80 head paraded in front of judge Matt Templeton (View Fort, South Gippsland, Vic), who gave the children given tips and advice throughout the day.

On behalf of the committee we thank the many people who made this a success again. They included local breeders who loaned calves and equipment, volunteers who setup and packed up, mums and dads who helped with meal preparation and sessions and of course the presenters who shared their expertise. It wouldn't have been possible without our sponsors: Fonterra and Jefe and all the other sponsors who generously supported our camp with products.

HJ



Photograph: A Church

Challenging the next generation

Results IDW Youth Challenge 2018

First – North West Sub Branch 266 points

Second – Western District Sub Branch BLACK 260 points

Third – Ayreshire Youth 247 points

Senior Encouragement Award – Courtney Afford, Hollow Brooks Holsteins, team: South Australia Youth

Junior Encouragement Award – Tyler Eagle, team: Ayreshire Youth



Holstein Australia board member David Johnston reviewing the scores with Parading Judge and Holstein UK Exchangee Heather Martin.

BY JON HOLLAND (*Holloddon*)

The International Dairy Week Youth Challenge continues to grow, with the 2018 Challenge boasting 140 competitors from 14 teams, representing Holstein sub-branches from nearly every state and all dairy breeds. This year included a team from New Zealand, with 10 enthusiastic members crossing the Tasman to represent Holstein NZ Youth.

Adding to the international flavour, the overjudging featured Holstein Youth UK Exchangee Heather Martin overseeing the parading, while Roy Schers from the Netherlands headed the clipping discipline. Roy manages the largest dairy herd in Holland, with more than 2,000 cows milked three times a day. He has been a regular visitor to Australia since a backpacking holiday introduced him to the Johnston family of Glomar Holsteins.

Presiding over the judging section was Henry Bevan of Bevandale Holsteins, Qld. Henry was excited by the opportunity to overjudge, having been a competitor himself just a few years ago.

"It can be difficult speaking on the microphone for the first time and it was great to see their enthusiasm, and eagerness to give things a go," Henry said. "Those with some obvious experience showed real confidence, but also for the kids trying the judging for the first time it will be a great experience for them."

Having placed either first or second over the past four years, the team from North West Victoria again proved to be the team to beat. The North West kids have been given the opportunity to fine tune their skills with regular training days hosted by the Wishart family (Rowlands Park), under the mentorship of youth team



Winners IDW Youth Challenge 2018 – North West Sub Branch. Back: Erika Quinn (team captain), Emmalea Wishart, Hannah Dee, Kaitlyn Wishart, April Wishart, Corey McGillivray, Georgia Sieben, Jed Young, Emily Robins. Front: Astre Modra, Kiara Robins.

leader Erika Quinn and local breeder and panel judge Jade Sieben (Brindabella).

The group has seen a steady transition process with the experienced members taking leadership roles within the team to support the younger members coming through. Now a senior member of the team, Kaitlyn Wishart has enjoyed the opportunities the Youth Challenge has provided.

"It was great having Jade give us some points about judging and showing our heifers," Kaitlyn said. "Working as a team is something I really enjoy. We try to swap the roles around each time, and I got to do the parading this year."

Kaitlyn teamed up with Hannah Dee, Clydevale Holsteins, along with Avalon Holstein's Astre Modra who was participating in the Youth Challenge for the first time. As it was also Hannah's first time in the parading discipline, Kaitlyn was asked to take the lead, supporting her younger team mates.

"We had a practice before the event and we talked about how we would walk and stand the heifers. It was great working as a team. It was a real team effort. I love how all the kids in our sub branch can come together and do something that we all love," said Kaitlyn.

Youth Challenge organiser Justin Johnston, was thrilled with the continued high participation and enthusiasm surrounding the event. "It's great to see so many kids, parents and committee members wanting to be involved and support the youth."

HJ

Holstein Australia sponsorship

Holstein Australia sponsors the IDW Youth Challenge in recognition of the important role it plays in encouraging the next generation of Holstein breeders. The format is designed to encourage team work, leadership and public speaking skills while developing expertise animal husbandry and fitting.

Holstein Australia and Holstein Youth thanks Brent and Kim Mitchell from Mitch Holsteins, for providing the heifers for the 2018 IDW Youth Challenge. Also thank you to Stu Lockart from DLS for a great job as MC, B.Braun and Aesucap Clippers for their sponsorship, and the IDW organisers for their continued support of this event.



ABOVE: Peter Darg (sponsor B.Braun), Courtney Afford (Senior Encouragement Award Winner), Roy Schers NLD (clipping judge)



RIGHT: Peter Darg (sponsor B.Braun), Tyler Eagle (Junior Encouragement Award Winner), Roy Schers NLD (clipping judge)

BELOW: Western Districts GREEN team.



Australia inspires Bill Gates' supercow

Australian cattle breeders were the inspiration for Bill Gates's recent bid to help feed the world: using the latest genetic technologies to develop a hybrid cow that combines the bumper milk production of modern dairy breeds with the resilience of African breeds.

The Melinda and Bill Gates Foundation recently announced \$40 million funding to GALVmed, a not-for-profit organisation based in Scotland that researches genetics and animal vaccinations. It will be used in an African-focussed research program that includes breeding cattle, chickens that lay better quality eggs and crops that are able to withstand droughts or disease.

The aim is to provide genetic tools (genomics and AI) to make cross-breeding far more efficient. Different breeds will be screened to identify parts of the genome responsible for desirable traits, particularly production, disease resistance, feed conversion and heat tolerance.

In announcing the funding at the University of Edinburgh, Bill Gates highlighted the link between poverty, agriculture and livestock.

"If you care about the poor, you should care about agriculture. And if you care about agriculture, you care about livestock," he said.

In his blog, gatesnotes, Gates describes how seeing AI and genomics in action at Wylarah Station in Australia inspired him to consider the value of modern genetics to African farmers.

"Farmers across sub-Saharan Africa are already raising cattle – beef and dairy – in massive numbers. Ethiopia, Sudan, and Tanzania are among the world's top 15 cattle-producing countries. While there

are legitimate questions about whether the world can meet its appetite for animal products without destroying the environment, it's a fact that many poor people rely on cattle for both nutrition and income. I believe they should be able to raise cattle as efficiently as farmers in rich countries do," he wrote.

"I'm optimistic that technology can improve the quality of African cattle. A typical dairy cow in the United States produces nearly 30 litres of milk every day. Compare that to your average cow in Ethiopia, which produces just 1.69 litres of milk a day.

"If you want to increase milk yield, you can't just take a high-producing Holstein cow from Wisconsin and drop it into the

tropical savannah. Unlike indigenous breeds, temperate cattle have no natural resistance to tropical diseases, like trypanosomiasis, or sleeping sickness, and they struggle to get enough nutrition from local food sources.

"Instead, you could breed cattle that will flourish in the local climate. That means using artificial insemination – like the process they use at Wylarah Station – to crossbreed a native female cow (with her built-in resilience to tropical heat and diseases) with a bull from a genetic line that produces lots of milk." **HJ**

Sources: Reuters, gatesnotes (Bill Gates' blog), Genetic Literacy Project; www.gatesnotes.com/Development/What-Cowboys-Can-Teach-Us-About-Feeding-the-World



Feeding the world: The latest genetic technologies are being used to develop a hybrid cow that combines the bumper milk production of modern dairy breeds with the resilience of African breeds.

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