

Holstein Journal

AUSTRALIA

SPRING 2019



**August ABV
release**

**Competition
finalists**

**Spotlight
on FNQ**

LEAD INNOVATE DELIVER

HOOGERHORST DG OH

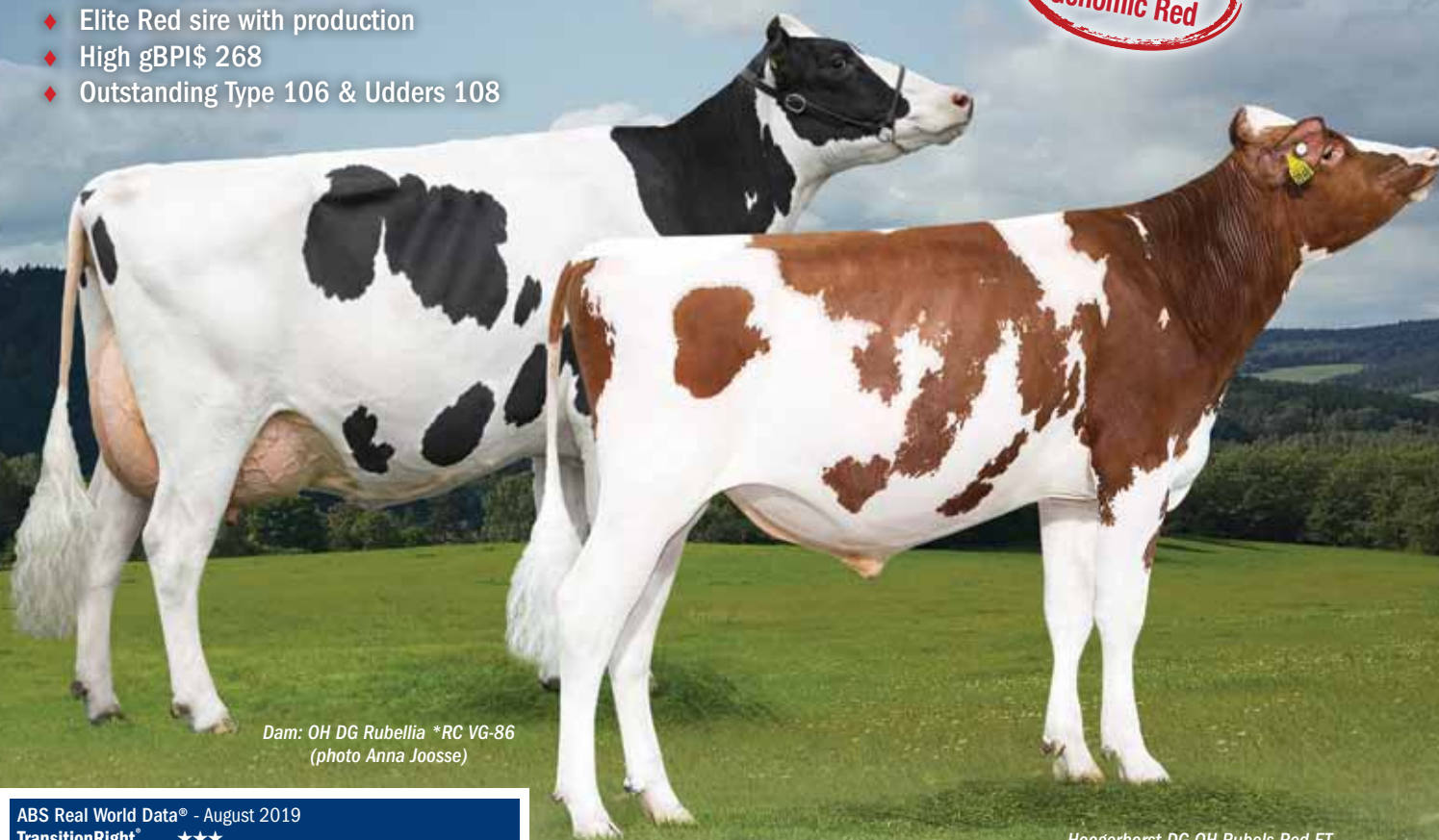
RUBELS RED-ET

29H017459

Argo x Rubicon x Aikman



- ♦ #1 gTPI R&W Sire
- ♦ Elite Red sire with production
- ♦ High gBPI\$ 268
- ♦ Outstanding Type 106 & Udders 108



Dam: OH DG Rubellia *RC VG-86
(photo Anna Joosse)

Hoogerhorst DG OH Rubels Red-ET
(photo Jane Steel)

ABS Real World Data® - August 2019

TransitionRight® ★★★

Bull Fertility

Obsv

USDA PTA 08/19

TPI	+2693	NMS	863	G Dtrs	G Hrds
Milk lbs	1175	76%R	SCC	2.78	74%R
Fat lbs	89	0.16%	CE	7.7	62%R
Prot lbs	54	0.06%	DPR	-0.6	72%R

ABVg PRODUCTION 08/19

BPI	268	65% Rel.	ASI	120	77% Rel.
HWI	227	58% Rel.	Overall Type	106	Dtrs
TWI	290	63% Rel.	Mammary	108	Hrds
Milk ltrs	+279		Calv. Ease	102	32% Rel.
Prot kg	+13	0.10%	Dtr Fertility	105	50% Rel.
Fat kg	+33	0.31%	Cell Count	157	67% Rel.

Milking Speed **102** Temperament **103** Likeability **106** 60% Rel.

US 08/19 G Dtrs G Hrds 74% Rel.

Type					2.69
Mammary					2.53
Legs & Feet					1.74
Stature	Short				1.57
Strength	Frail				0.75
Body Depth	Shallow				1.02
Angularity	Tight				2.09
Rump Angle	High				0.51
Thurl Width	Narrow				1.57
Rear Legs-Side Set	Straight				1.72
Rear Legs-Rear View	Curved				2.15
Foot Angle	Low				1.42
Foot & Leg Score	Low				1.88
Fore Udder Attach.	Weak				3.06
Rear Udder Height	Low				3.32
Rear Udder Width	Narrow				3.05
Udder Cleft	Weak				1.37
Udder Depth	Deep				2.32
Front Teat Place.	Wide				2.21
Rear Teat Place.	Wide				1.60
Teat Length	Short				-0.27



Full Sister: OH DG AGRIORIO-RED TC
#5 gTPI R&W female in Europe



4th dam: Rainyridge Mr Burns Eara EX92



3rd dam: RAINYRIDGE RZH PLANET ELAINE VG-88



Same family: RAINYRIDGE TALENT BARBARA EX-95



Good Bulls
Guide



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Sire



High Type



Sexcel



RED%
60 % Red



Icon Sires



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Layout: SUBStitution Pty Ltd
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(Tuesdays and Thursdays)
Printed by Litho Art, Darra, Qld

COVER: Wes Hurrell, Rockweller Farm Holsteins, Yankalilla, SA, is an early user of Holstein Australia's Herd Genetic Stocktake report.



Flagship Daughter:
Ocd Flagship Missy 40202-ET VG-87

Balanced PROFIT SIRES

FLAGSHIP

7HO13373 S-SI 1STCLASS FLAGSHIP-ET
1STCLASS X SUPERSIRE X BOOKEM

- +316 BPI
- +0.17%F +181 CELL COUNT
- +111 DAUGHTER FERTILITY



SANDOR

7HO13811 TELSTAR SSI ALLTM SANDOR-ET
ALLTIME X MONTROSS X EPIC

- +289 BPI
- +0.16%P +488 MILK
- +110 DAUGHTER FERTILITY



DRASTIC-P A2

7HO14163 KINGS-RANSOM B DRASTIC-P-ET
BANDARES X POWERBALL-P X DORCY

- +299 BPI
- +0.15%F +0.23%P
- +110 SURVIVAL



LATROBE

7HO14174 OCD ALLTIME LATROBE-ET
ALLTIME X DELTA X SUPERSIRE

- +381 BPI
- +0.15%F +0.25%P
- +114 DAUGHTER FERTILITY



Above, left to right:

Sandor Dam: Cookiecutter Mont Hadley-ET VG-88

Drastic-P Dam: Kings-Ransom Darc Dextra-ET EX-94

Latrobe Dam: Oakfield Dita Lovey 4250-ET VG-87



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WWS

BY DESIGN...NOT CHANCE



Sales reflect true Holstein value

The resilience of the Holstein breed and specifically registered Holsteins is shown by strong demand at sales, on-going export demand and increasing gain in genetic merit.

There is no better example of what can be achieved than Paringa Holsteins. Congratulations to Pam Malcolm on the truly outstanding result of the recent final dispersal sale. Paringa's achievements represent more than just one lifetime of breeding. Its achievements are from, multiple lifetimes registering each generation, classifying and herd testing to develop generations of outstanding and profitable cows. Importantly, it has been the results achieved by others with her cows that highlight the true value of the Paringa breeding program.

During 2019, we have regularly seen demand for registered Holsteins consistently generate extra revenue for vendors. When coupled with performance information, the margin is even greater.

Export

Over the past 12 months, export has been a huge contributor to the cash flow of both dairy farmers and the Association. While the market is dominated by the volume of heifers exported to China, in recent times we are seeing Australian Holsteins in demand in a large number of countries who are wanting higher genetic merit heifers, helping to create even more value for well-bred heifers.

It's encouraging that early indications for the new financial year are that export will again make a very important contribution to revenue for our members.

In this issue, we feature exports and in particular China where Rohan Butler, our Genetics Research Manager, recently joined an Austrade trade delegation focusing on dairy.

Rohan visited a number of dairy research facilities, corporate farms and attended the country's largest dairy trade show; the China Dairy Expo.

2018/19 financial year

Preliminary results for 2018/19 show an overall positive outcome, which will result in a profit for the year. The primary contributors are export and investment portfolio revenue, and prudent expense reduction. More detailed results will be presented at the AGM at Inverloch in September.

Member services did see a decrease, with registrations and classifications down, perhaps not at all surprising given the ongoing state of the industry. What was promising was the surge of registrations in May and June and increasing numbers of animals classified in the last quarter of the year. Already for July we have seen increases in member service activity compared to July the previous year.

Changes around registrations

The Board implemented two changes to registrations commencing 1 July. First, the parentage requirements for male registration and, second, the introduction of scaled fees for registration of animals over 12 months of age.

Both changes focus squarely on the integrity of the Herd Book using the latest science to ensure accuracy and keep it as the 'go to' source of information for the Holstein breed. The second change is to encourage members to register animals at an earlier age.

We have received feedback – both positive and negative – on both changes. The board takes these matters seriously and decisions such as these are implemented with a longer-term view to the future of the breed that will enhance the leadership position of the Association.

Youth

There have been two significant youth activities in recent months: the European Young Breeders School (EYBS) and the Holstein UK Exchange.

Justin Johnston (Glomar Holsteins) and the five outstanding young people who are heading to Europe to compete on a world

stage in Belgium will have returned to Australia by the time you read this report. I hope you will have been following their journey on the various Holstein Australia social media platforms. We look forward to this being the first of many opportunities for Australian Youth to travel the world and compare their skills and knowledge with young people from around the globe.

The UK Exchange now in its third year was well supported, with Oakley Henry from Gippsland heading to Great Britain in September. We wish Oakley a wonderful trip and look forward to keeping members informed on the highlights of his visit.

World Holstein Conference Tour

The World Holstein Conference will be held in Montreux, Switzerland, in March 2020 and Holstein Australia is organising a post-conference tour as well as taking in all the conference activities. The tour will include Italy, Austria and Germany as well as the time in Switzerland. This could be the trip of a lifetime for Holstein enthusiasts. Contact the office for more details.

2019 AGM

This year we are heading to the RACV Resort at Inverloch, in South Gippsland, for the AGM, National Awards Dinner and Showcase Video Auction. The event offers a great range of activities to enjoy and the opportunity to catch up with members from all over Australia. If you can't make Inverloch you can follow the activities via our social media and the next issue of the *Journal*.

Comment

Over the past 12 months the dairy industry has been significantly challenged and there has been considerable commentary around what the future may look like. From Holstein Australia's perspective, we are constantly reviewing our operations, services and relevance in this changing environment. We cannot afford to stand still and there will be change. An agile organisation will be vitally important and that is what we strive to be.

HJ



Holstein Australia World Holstein Friesian Conference 2020 Tour

Join Holstein Australia for the 15th World Holstein Friesian Federation Conference in Montreux followed by a two-week tour taking in some of northern Europe's most beautiful cities and regions.

24–28 March 2020

- World Holstein Friesian Federation 2020 Conference
- Traditional Swiss evening and Gala Dinner
- Farm, cheese and chocolate producer visits
- The EXPO Bulle Swiss National Holstein & Red Holstein Show

29 March – 13 April

- Italy – Lake Como, Verona, Venice
- Austria – The Alps, Tyrol, Salzburg
- Germany – Eagles Nest, Herren and Frau Island, Munich

For more information about the 15th Conference of the World Holstein Friesian Federation visit:

<https://www.whff2020.ch/index.php/whff-conference/program-outline>

To find out more or register your interest contact Holstein Australia on 03 9865 7600 or enquiry@holstein.com.au before 30 September 2019.



Parentage Verification update

Neogen has advised that from next year it will cease processing animals for parentage verification using the microsatellite (microsat) testing method. This will affect the way animal parentage verification is completed.

What does this mean for members?

From 1 March 2020, Holstein Australia will only be able to accept parentage verification via genomic (SNP) testing.

Donor dams previously tested with microsats will need to be retested on the genomic platform as there is no cross over between the two testing methods. The easiest way to do this is to submit a fresh dam sample to Holstein Australia. If dams have left the herd since microsat testing took place, Holstein Australia will work

with Neogen to obtain a genomic test from a stored dam sample where available.

Dam genomic parentage verification retests are available at a discounted rate of \$37 ex GST. Full genomic breeding value including parentage will be \$50 ex GST.

Genomic tests completed with third parties can also be used to comply with Holstein Australia's parent verification requirements, however both sire and dam and the calf must be tested on genomics utilising the same platform. Holstein Australia is strengthening its links with local testing organisations as well as in the US and Canada to ensure this process is as smooth as possible for members.

Further information: At holstein.com.au or by contacting Rohan Butler, Genetic Services Manager, on 0428 135 361.

Member Digital Promotion Package launched

Do you have a sale to promote? Services to sell? If you want to reach Holstein Australia members, non-member breeders or people with a genuine interest in Holstein cows, our new digital promotion package will ensure your message reaches your target audience quickly and cost-effectively.

What's included in the package?

Available only to Holstein Australia members and attractively priced, this promotional package includes an editorial on our website and in our Holstein Dispatch email newsletter, two Holstein Dispatch event listing notices and up to six posts across our social media platforms over a four week period.

Contact: Adam Sawell, email asawell@holstein.com.au

Tracking genetics and performance

Have you joined Wes Hurrell and other Holstein Australia members in using the new Herd Genetic Stocktake report to track your herd's genetic merit against performance?

During the last week of July, Herd Genetic Stocktake Reports were sent to members with enough herd recording data. Members receive two reports per year via email.

Available free to members with enough herd recording data, the Herd Genetic Stocktake is designed to assist with making better informed breeding decisions, accelerating genetic improvement and reviewing breeding program progress.

Holstein Australia member, Wes Hurrell of Rockwella Farm Holsteins, Yankilla SA, is one of the early users of the report.

"The report makes clear the relationship between genetic merit and herd performance. It's individualised to our farm using the BPI (Balanced Performance Index) designed for an Australian grazing production system, with the relationship between genetics, actual performance

and income also helping identify the need for genomic testing."

The Herd Genetic Stocktake breaks down the specific herd impact of a single unit increase in BPI, survival, fertility and SSC Australian Breeding Values. It makes it easy to identify strengths and weaknesses in your breeding program and the report provides an estimate of the dollar value of improving genetics within the herd.

The difference in performance and financial return of the top and bottom 20% of each herd is clearly presented, as is the likely financial impact of increasing the performance of the bottom 20% to the herd average.

Key herd information highlighted at a glance includes:

- herd BPI and performance
- annual production per animal
- genetic trait performance and consistency
- herd lactation financial return
- ABV herd impact.



Wes Hurrell Rockwella Farm Holsteins, Yankilla SA, says the Herd Genetic Stocktake report makes clear the relationship between genetic merit and performance in his herd. Photograph: Stock Journal

To find out more about the information contained in your Stocktake report, or more about the level of herd recording data required to generate a report for your herd, contact Rohan Butler, phone 0428 135 361 or email rbutler@holstein.com.au.

FNQ sub-branch celebrates 50 years

The Atherton and North Queensland Sub-branch celebrated its 50-year anniversary at the Malanda Hotel on 26 May. As Anne Daley (Misty Glen Holsteins) reflected: "It never seems like history when you are living through it." Here is her report.

The luncheon was all we wanted it to be: people talking and remembering; a wonderful way to spend a Sunday. The celebrations only drew to close because many of us had to go home and milk that afternoon!!!

Jenny Grey flew in from Sydney to attend, representing the Board of Holstein Australia. Colin Daley welcomed guests with Bill Tranter saying grace before the meal. John Reynolds reflected on the early days of the Holstein-Friesian breed on Tablelands and Carol O'Connell recited a poem. Rachel and Catherine English put together a photo presentation from days (and cows) gone by.

Sub-branch

In 1969, as the popularity of the Holstein-Friesian breed grew on the Atherton Tablelands, the North Queensland Friesian Sub-branch was formed. The first President was Les Burton (Leston Stud) and first Secretary was Henry Tranter (Renarlivale Stud). Five breeders attended the first meeting.

To date, there have been 195 studs on the Atherton Tablelands.



Carol Norbury (Norlands) Baylee Bevan (10 months) and Tara Bevan (9) (Bevandale) with the commemorative cake, which featured the highest classified cow ever in North Queensland – Bevandale Colorado Rosalie EX-93-E8.

Prefixes

- First prefix on record (1954): Renoyle, Reynolds Brothers, Millaa Millaa
- Prefixes operating for the longest: Millaa View, MB Daley (since 1971) and Meadowland, John, Dianne, Brad and Annaliise Daley (since 1973)
- Newest prefix (2019): Glengarrieff, Terese Daley, Millaa Millaa
- Other early prefixes:
 - Greenhaven, M&M Farquharson (1956)
 - Myrtle Dale, A&M Sigley (1959)
 - Renarlivale, Henry & Elaine Tranter (1965)

- Millaa Dale, Pat Daley (1966)
- Leston, Les Burton (1968)
- Barron Vale R&D Walmsley (1969)

Presidents

- Les Burton
- Russell Walmsley
- John Norbury
- Colin Daley
- Kevin Lambert
- Bob Hapgood
- Owen Daley
- Rodney Hartin
- Joe Strazzeri
- John Bevan
- Michael Daley
- Bart Doohan

Secretaries:

- Henry Tranter
- Paul Newland
- Colin Daley
- Mark Cuda
- Anne Daley
- Bill Tranter
- Rodney Hartin
- Cherie Bevan
- Ted Morris

Classification

The first Classification Tour on the Atherton Tablelands occurred in 1970 and the Tablelands' first VG cow was Renarlivale Fairybelle Voyager owned by the Tranter Family of Millaa Millaa.

Since computerised records commenced, the sub-branch has had 227 EX cows. Here is a list of some of the highest-scoring ones:

- Bevandale Colorado Rosalie EX-93-8E (J Bevan and family)
- Fairvale Talent Shamrock 13 EX-93-4E (Promenade Genetics)
- Foothills Lindy Denver EX-93-2E (P & M Newland)
- Bevandale Aspen Prima EX-92-7E (J Bevan & family)
- Millaa View Gilbert Rita EX-92-6E (MB Daley P/L)
- Ourway Goodas Hilin EX-92-4E (CJ&SJ Daley)
- Bevandale Malcolm Sally EX-92-3E (J Bevan and Family)
- Millaa View Donor Bambi EX-92-2E (MB Daley P/L)
- Ourway Durham Maisie 108 EX-92-2E (CJ&SJ Daley)
- Meadowland Jimmy Charm EX-92-2E (F&D Cuda)

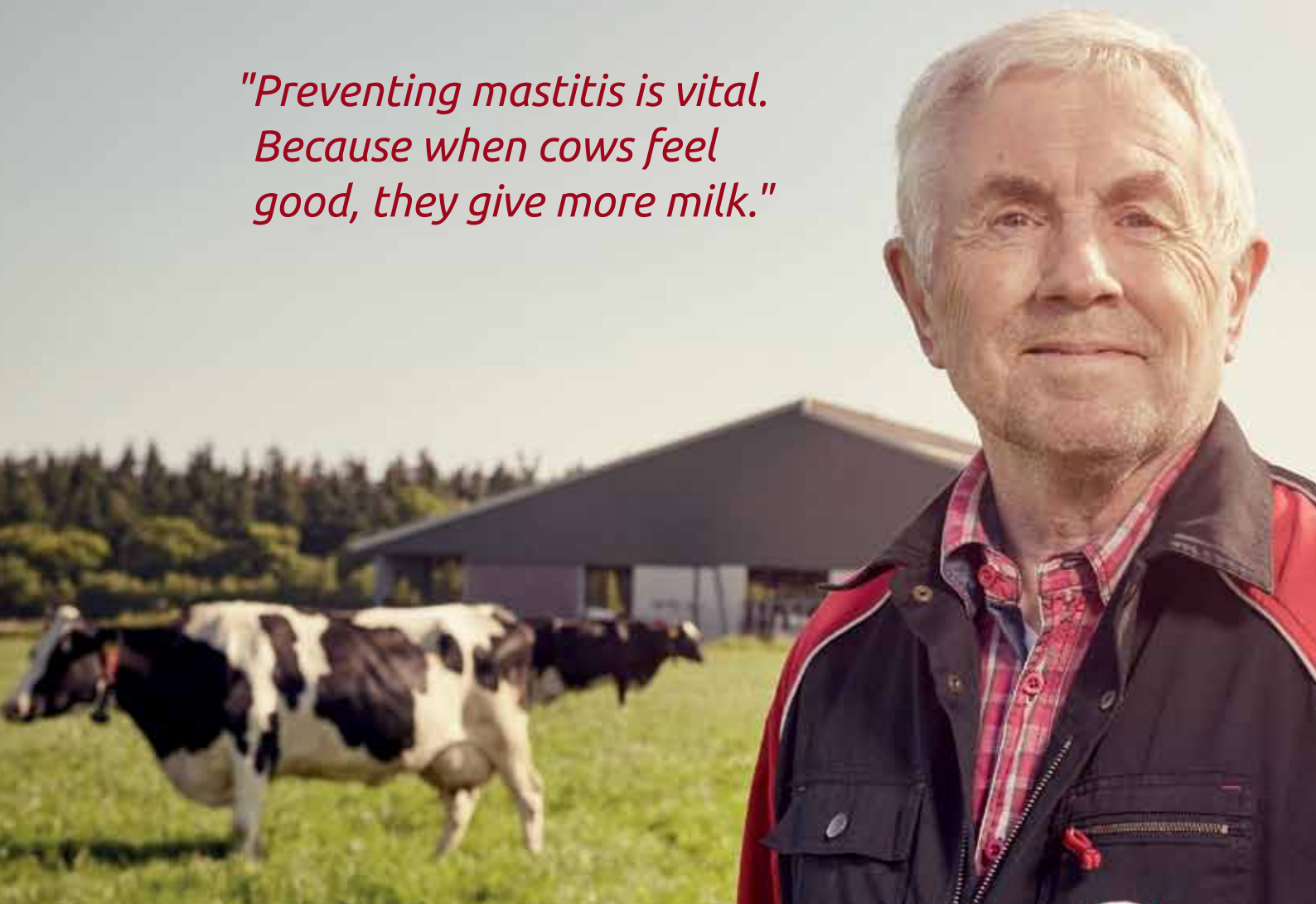
HJ



Sub-branch Secretaries: Paul Newland (Foothills), Bill Tranter (Renarlivale), Anne Daley (Misty Glen), Colin Daley (Ourway) and Rodney Hartin.

More photographs, page 10

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Lely Center Southwest in Victoria

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Lely Center Bega

Ph.: 0 2 6492 5335



Past and present Holstein breeders.



Jenny Grey (Holstein Australia) with past Sub Branch breeders Richie Morris, Carol Norbury, Bonnie and Gordon Albrecht (Lordon), Yvonne and John Reynolds (Renoyle), and Carol O'Connell (Carowen).



Past Sub-branch Presidents: Colin Daley (Ourway), Kevin Lambert (Kerroslea), John Bevan (Bevandale), Russell Walmsley (Barron Vale) and Rodney Hartin (Long Lanes).

MAEBULL

AUSTRALIA'S
Daughter Proven Sire

#1



BPI 323/85%

ASI 127/96%

O/T 102/82%

Mam Sys 101/82%

Cell Count 192/86%

Dtr Fert 111/78%

Survival 110/75%

August 2019 ABV's

Reward for effort at the Victorian Winter Fair

When Glen Gordon (Gorbro Holsteins, NW Vic) bought Eagle Ridge Amazing G Pollyanna, he had his sights set on a future Victorian Winter Fair title, not this year's supreme senior title.

"She was a couple of weeks fresh when we bought her," he said. "We thought she had an outstanding udder and with a bit of feed and preparation she would look quite nice for the show. But we thought she'd look best as a third-calf 5-year-old."

But the 4-year-old took this year's competition by storm, winning supreme senior udder of the show and beating a strong line-up to take-out the top award.

Glen and his family, with employee Alexz Crawford, bought the supreme champion in April at the Eagle Ridge Holstein dispersal at Finley in NSW.

She was one of two animals purchased at that sale. The other, Eagle Ridge Goldchip S Tiffany 2 ET (owned by Gorbro Holsteins and Andrew Cullen), won the 5-year-old class at the Victorian Winter Fair.

Judge Matt Templeton (View Fort, South Gippsland) heaped praise on the supreme champion's udder. He said she had a "beautiful" fore udder attachment and the way her udder blended with her

body placed her ahead of the reserve champion.

The lead-up to this year's Victorian Winter Fair, for Gorbro Holsteins, started about five weeks before the competition and included halter breaking the supreme champion, which Glen said was a "bit of a challenge" at her age.

Eagle Ridge Amazing G Pollyanna is by Mr Atlees Amazing, a US sire and her dam is Goldroy Pollyanna EX-91.

Gorbro took-out the premier breeder award with their team of 24. "It was the first time we had ever won that award at a big show," Glen said.

Gorbro took home a swag of winners, with a highlight for Glen being three in-milk class winners and three best udders in class.

Alexz Crawford owns the supreme cow in partnership with the Gordon family. Glen said this was Alexz's first big win at a show and this cow is the 24-year-old's second he owns with Gorbro Holsteins.

Alexz has 10 cows of his own, which run at the Gordon's Cohuna dairy farm.

"We are dairy farmers because we enjoy cows at the top-end," Glen said. "We

wouldn't be commercial dairy farmers without the excitement you get out of have registered cattle. It is not just a job to us, we get so much enjoyment out of developing cow families and buying cow families. (The success) was very rewarding for the effort put into the show."

Positive mood at show

Numbers at this year's Winter Fair were up on last year. The 170 entries came from across NSW and Victoria, with up to 12 from South Australia, the most ever from that state, according to organiser Clare Modra.

She said the mood was buoyant at the show with everyone enjoying the chance to catch-up with friends.

"Everyone was pretty upbeat, there had been rain and opening milk prices were looking strong. If we hadn't had got the rain in northern Victoria six weeks earlier, it could have been a different story."

One special highlight for the organisers was the increase in both numbers and young men competing in the junior judging competition earlier in the show.

Clare said entry numbers were up by 10 with "a bit over 20" competing and, for the first time, there was an equal number of young men and women in the ring.

"There were also a lot of older kids, over 16; that age group was really strong," she said. "There were good prizes on offer in the judging and handlers."

Exhibitors praised the facilities, being



Associate Judge Joe Holloway, Judge Matt Templeton with the connections of Supreme Senior Champion Eagle Ridge Amazing G Pollyanna.



The judges and Gardiner family with their Supreme Intermediate Champion Murribrook Reginald Victory ET.

under one roof, and the organisers of the show, with everyone the *Holstein Journal* spoke with planning to return next year.

John Gardiner (Avonlea, West Gippsland) has his sights set on returning Murribrook Reginald Victory ET to the Victorian Winter Fair next year.

This year's Supreme Intermediate Champion initially caught his eye at International Dairy Week last year when she was a few weeks off calving. The Cardinia breeder later bought her from Stuart and Andrew Mackie for \$6,000.

"I knew the cow family really well, her mother at Murribrook was a fairly unique brood cow," John said.

It was the second time Murribrook Reginald Victory ET had attended the Victorian Winter Fair as part of the Avonlea string, but last year John removed her

from the ring mid-way through the competition due to concerns about her. This year though, having calved in April with a Solomon heifer, the 3-year-old kept "getting better" as the show got closer.

She's been short-bred back to sexed Kingdoc with the aim to calve her in again for next year's Victorian Winter Fair.

Judge Matt Templeton described the intermediate champion as "so clean and dairy yet displays that beautiful strength through her front-end".

Avonlea Holsteins also took home the title of Reserve Senior Champion Cow Glenunga Wind Butterbrook.

International flavour

She might only be young, but Cherrylock Chassity's Innocence Imp ET is no stranger to success on the big stage.

The heifer bred by Brad and Jess Gavenlock, (Cherrylock Cattle Company, Northern Vic) was junior champion at this year's Sydney Royal Easter Show and also claimed the same title at smaller shows.

Brad and Jess previously farmed in the US and when they returned to Australia they bought embryos out of an Atwood daughter from Illinois operation Butlerview sired by Doorman.

Cherrylock Chassity's Innocence was the result of those embryos along with a couple of other heifers, which were sold.

The Victorian Winter Fair junior champion has been bred to sexed Unstopabull and Brad said he hopes to have her back for the competition next year.

The couple, with children Penny and Britany, are also optimistic about getting Cherrylock Chassity's Innocence Imp ET to International Dairy Week as well.

Brad said they had flushed her twice this year and achieved 13 sexed embryos each time. Most of these are implanted now with the first choice of these calves offered for sale at their tag sale in November.

Friends share Red success

Taking their own string of cattle to the Victorian Winter Fair was an achievement for young breeders and friends Michaela Thompson and Hayden King. Both finished with a broad ribbon, Michaela taking out the Red Intermediate Champion with Bluechip EV Awesome Destini ET, Red and Hayden claiming the Red Junior Champion with Parrabel RS Jordy O'Koala ET Red.

Michaela bought her champion heifer



Judge Matt Templeton with Associate judge Joe Holloway and Supreme Junior Champion Cherrylock Chassity's Innocence Imp ET owned by Brad & Jess Gavenlock.

from the Victorian Winter Fair two years ago and she went on to take out International Dairy Week reserve junior champion heifer.

"I bought her for her pedigree; she's from the Apple family. Her showing is just the icing on the cake really," she said.

Michaela's Sunrise Holsteins, from Rochester, also took-out a spring heifer class in the black and white show.

Hayden King returned to showing cows with the Junnash Holsteins stud he has with parents Karl and Kristy Cash at Pyramid Hill.

"We went out of the cows for quite a few years, this is probably first biggest show we have done since we got back into them," he said.

Parrabel RS Jordy O'Koala was bought from the Parrabel Rockstar Spectacular Sale at Camden NSW last year.

"We love our cow families, the O'Kalibras are renowned worldwide," he said. "As soon as we had seen that she was an O'Kalibra, and especially a red heifer – because you don't see to many red O'Kalibras – we couldn't let the opportunity go."

HJ

Victorian Winter Fair

Supreme Senior Champion: Eagle Ridge Amazing G Pollyanna, Gorbrol Holsteins & Alexz Crawford; **Reserve:** Glenunga Wind Butterbrook, JH & CJ Gardiner; **Honourable Mention:** Benlargo Sid Furry Imp ET, Benlargo Holsteins

Supreme Senior Udder: Eagle Ridge Amazing G Pollyanna, Gorbrol Holsteins and Alexz Crawford.

Supreme Intermediate Champion: Murribrook Reginald Victory ET, JH & CJ Gardiner; **Reserve:** Elmar Solomon Jessica 2 ET, Elmar Holsteins; **Honourable Mention:** Gorbrol Solomon Livia, Gorbrol Holsteins.

Red Intermediate Champion: Bluechip EV Awesome Destini ET, Red, Sunrise Holsteins; **Reserve:** Amelia Park Faber Naomi 2nd Red, Nathan Hart; **Honourable Mention:** RJs Mustang Sallie Red, RJs Holsteins

Supreme Intermediate Udder: Murribrook Reginald Victory ET, JH & CJ Gardiner.

Supreme Junior Champion: Cherrylock Chassity's Innocence Imp ET, B & J Gavenlock; **Reserve:** Gorbrol Diamondback Darling ET, Gorbrol Holsteins; **Honourable Mention:** Avonlea Brady Rae, JH & CJ Gardiner.

Red Junior Champion: Parrabel RS Jordy O'Koala ET Red, Junnash Holsteins; **Reserve:** Cherrylock BH Apple Cider Red, Hardgrave, Franchise, Borba & Anderson; **Honourable Mention:** Rusty Red Jordy George Red, Jennings & Nikora.

Premier Breeder: Gorbrol Holsteins

Premier Exhibitor: JH & CJ Gardiner

Queensland Dairy Showcase, Gatton, 18-19 July

Champion Holstein Cow: Anne Well Powerplay Blue, S & S Paulger; **Reserve Champion:** Leader Beemer Satin, R & J Lindsay

Intermediate Champion Holstein Female: Instyle Solomon Amy B & E Thomas; **Reserve Champion Female:** Glencrest Lizmore Supermodel, Rodney Teese

Junior Champion Holstein Female: Ardyllbar Soloman, Vicki AD & SL Barron; **Reserve Champion:** Bevandale Army Shower Loka Manu

Malanda Show 5-7 July

Junior Champion: Bevandale Callen Bonnie – H & A Bevan, S Tognola & E Stephenson; **Reserve:** Millaa View Pansy's Diamond – Terese Daley; **Honourable Mention:** Millaa View Drover Rita – MB Daley P/L

Best Udder: Bevandale Kingboy Lorraine – The Bevan Family

Intermediate Champion: Bevandale Kingboy Lorraine – The Bevan Family; **Reserve:** Millaa View Bursting Chance 2 – MB Daley P/L; **Honourable Mention:** Bevandale Luxus Sally – The Bevan Family

Best Udder: Promenade Darcy Toni 2 – Promenade Genetics

Champion Cow: Bevandale Metalica Satin – The Bevan Family; **Reserve:** Promenade Darcy Toni 2 – Promenade Genetics; **Honourable Mention:** Bevandale Allthat Sally – The Bevan Family

Supreme Intermediate Best Udder: Bevandale Kingboy Lorraine – The Bevan Family

Supreme Intermediate Champion: Bevandale Kingboy Lorraine – The Bevan Family

Most Successful Exhibitor: Bevandale – The Bevan Family

Most Successful Breeder: Bevandale – The Bevan Family

RIGHT (from top):

Champion cow: Bevandale Metalica Satin – The Bevan Family. Presenting ribbons Blake Daniels, Gabby Reynolds and Henry Bevan.

Junior Champion Lineup: Honourable Mention: Millaa View Drover Rita – Taylor Daley; Reserve: Millaa View Pansy's Diamond – Terese Daley; Junior Champion: Bevandale Callen Bonnie – H & A Bevan, S Tognola & E Stephenson. Presenting ribbons is Kevin Lambert & Dairymaid Gabby Reynolds. Kevin & Iris Lambert (Kerroslea) exhibited the junior & reserve junior champion heifers at Malanda 40 years ago – Gabby's great grandfather Joe Reynolds, was the founder of the first Holstein-Friesian stud on the Atherton Tablelands in 1954 – Reynole.

Intermediate lineup: Honourable Mention: Bevandale Luxus Sally – The Bevan Family; Reserve: Millaa View Bursting Chance 2 – Trent Borman; Champion: Bevandale Kingboy Lorraine – Henry Bevan. Presenting ribbons is Gabby Reynolds & parents Nick & Morgan Reynolds.



Australia drives international bull library

Imagine a library of 1,000 dictionaries in languages from around the world. Combined, they'd contain millions of words and provide an understanding of the spelling, meaning and derivation of each word.

Now imagine that, instead of dictionaries, the library contains the entire DNA sequences of the bulls that are the forefathers of today's dairy herds. This is the library that geneticists around the world are creating. Called the '1000 Bull Genomes Project,' their library contains details of genetic markers, the variations in the DNA that influence animal performance. The key ancestor bulls include Holstein, Jersey, Fleckvieh, Angus, Brown Swiss, Ayrshire, Brahman and Simmental breeds.

A collaboration of about 40 international partners has created the genome library, which has surpassed the original target and now contains whole genome DNA sequences from 3817 bulls. Of these, about half are dairy bulls.

Such an important international project is surely run by a team from the USA or another leading producer of dairy bulls? No; it is driven by Australian geneticists and the full genome data supplied by the other partners is processed and analysed by our researchers.

Agriculture Victoria Research Leader

DairyBio is a joint initiative between Agriculture Victoria, Dairy Australia and the Gardiner Dairy Foundation. The DairyBio team works in purpose-built facilities at the AgriBio Centre for AgriBioscience near Melbourne, as well as at Agriculture Victoria's research facilities in regional Victoria. The AgriBio research facility is home to Agriculture Victoria's molecular scientists and quantitative geneticists, as well as industry organisations such as DataGene, Holstein Australia, Jersey Australia and NHIA. Being co-located creates a unique mix of great scientific minds, cutting-edge technology and real world perspective.

Agriculture Victoria's Dr Hans Daetwyler is leading a global research team to create a library of complete genomic sequences of key ancestor bulls.



Computational Biology, Dr Hans Daetwyler, leads the 1000 Bull Genomes Project.

"We can compare the DNA of young bulls with the complete genomes of the key ancestor bulls to develop more accurate Australian Breeding Values - ABVs," Hans said.

The project would not be possible without international collaboration to provide the human and physical resources required for such a huge project. In return all partners share the evaluated genomic data.

"The combination of our team's vision, track record and breadth of experience, together with infrastructure provided by Agriculture Victoria and the support of the industry has established a level of trust in Australia's genetic research capabilities," he said.

"Having the project led by the DairyBio team allows us to build crucial collaborations with the leading global cattle genetics researchers to achieve better research outcomes for the Australian cattle industries.

"It also builds research capacity in Australia, attracting top research talent, including PhD students who will be our next generation of researchers."

The '1000 Bull Genomes Project' aims to identify as many genetic markers as possible by comparing and contrasting the complete genomes of bulls in the library. So far, more than 100 million markers have been identified.

As genetic markers are not influenced by environment and many occur in several

breeds, this international genomic data is relevant to dairy and beef herds across the globe.

"Having the whole genome sequence, we have the actual DNA variants; that is the actual gene or section of DNA controlling a trait," Hans said.

Central to the project is a huge advanced scientific computer capable of processing the massive volumes of data required to evaluate the DNA sequence.

"The super computer can run one of my analyses in three days; that would take over three years on your best desktop computer."

Practical outcomes

Like many of his DairyBio colleagues, Hans is focused on achieving practical outcomes from the investment in genetic research. These outcomes are in the form of new and improved ABVs which are published regularly by DataGene.


"I come from a dairy farming family and for six years worked fulltime in my family's Canadian dairy operation. I understand that our research needs to provide solutions that help farmers choose the best genetics to meet on-farm production, breeding and health objectives."

The 1000 Bull Genomes Project should enable researchers to identify multiple genes linked to a performance trait. For example, fertility is thought to be influenced by thousands of separate genes.

Quantitative geneticists use statistical analyses to map incomplete genetic sequences against the whole genome of this reference bull herd. The gaps can then be filled by using a technique called imputation.

"It's a bit like doing a crossword where you have clues and some letters in a word and from those letters the whole word can be recognised."

The technology enables researchers to identify both 'good and bad' DNA variations; that is variations linked with desirable traits and traits the industry wants to avoid, for example, gene variations related to embryonic death (early miscarriage), and dwarfism.

Australian dairy farmers were the first in the world with the tools to breed for improved feed conversion efficiency and heat tolerance. With projects like this, Australia is well-placed to continue to be step ahead of the dairy genetics game. 

Medium-sized cows more productive

Medium-sized cows produce more fat and protein and live longer than taller or smaller cows according to a study by SEGES, Denmark's Agriculture and Food Association. Viking Genetics' Claus Langdahl reports.

VikingHolstein's breeding goal is for an optimal size of 148 cm. At the moment, our breed average is 148.6 cm for first calvers.

There are good arguments for breeding a medium-sized cow, and the main one is that it is the most economical cow. She has a longer productive lifetime, less disease cases, such as hoof problems and needs less feed to maintain. Table 1 shows the genetic correlations to stature.

Some people prefer a large cow that can convert more roughage into milk and with higher slaughter value. There is positive correlation between a large cow and yield, but the medium-sized cow is overall more profitable because of lower costs, longer lifetime and overall efficiency.

Height and lifetime production

The SEGES study showed that cows that are taller than 155 cm produce significantly less solids (-193 kg) than cows of optimum height (148-150 cm) (Table 2). Very small cows (135-140 cm) have lower lifetime production (-31 kg) compared to cows.

VikingHolstein stature

The size of the VikingHolstein cow has been compared with cows in the major Holstein populations around the world. The study included cows from daughter proven bulls in the countries and data from 80,000 bulls.

Figure 1 shows the change in size of figures of cows sired by bulls born in 2001 to 2013. It shows that the today's VikingHolstein cow is smaller than Holstein cows in other countries. She has grown over the years, but not since bulls born in 2007. Despite the influence of foreign sires, VikingHolstein has managed to maintain a medium-sized cow.

Table 1 Health traits and correlation to stature	
Trait	Correlation to stature
Yield (Kg milk)	+ 18
Female fertility	-14
Udder health	-16
Hoof health	-20
Longevity	-35

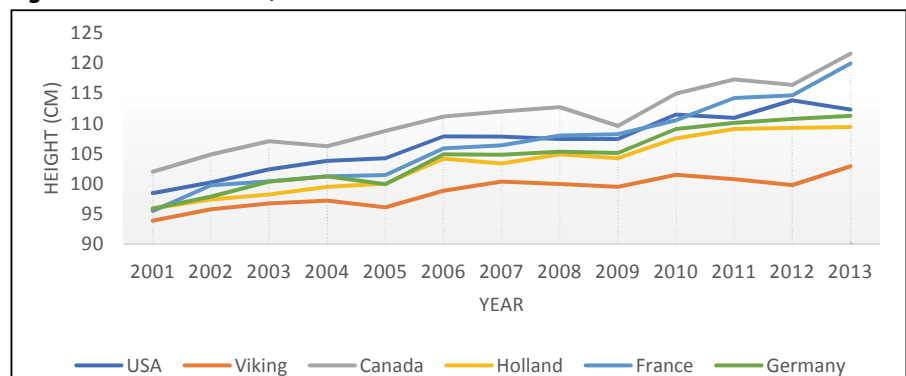
Source Rasmus S Stephansen, Ulik, Sander Nielsen and Anders Fogh, SEGES, - Dansk Holstein, #3 - 2-17

Table 2: Effect of height on lifetime production.								
Viking classification score	1	2	3	4	5	6	7	8
Height (cm)	135-140	140-142.5	142.5-145	145-147.5	147.5-150	150-152.5	152.5-155	>155
Share of cows	2%	7%	13%	36%	20%	16%	4%	1%
Lifetime production* (kg fat + protein)	-31	+2	+32	+30	-5	-43	-99	-193

* expressed as difference from herd average

Source: Rasmus S Stephansen, Ulik, Sander Nielsen and Anders Fogh, SEGES, - Dansk Holstein, #3 - 2-17

Figure 1: Holstein cow size, based on bulls born 2001-2013.





MEDALLION – Bundalong Marks Medallion.



Maple-Downs-I G W ATWOOD.

Farewell to two genomic giants

Medallion

Legendary Australian Holstein sire Bundalong Marks Medallion VG86, died in June just short of his 14th birthday.

Few bulls have been held in such high regard by the farming community as MEDALLION. Bred by Brian and Bill Anderson of Bundalong Holsteins, Kongwak, Victoria, MEDALLION was the son of another breed legend, INFORMER.

MEDALLION'S breeding value contains thousands of daughters and he still ranks among the breed's best for Mammary Systems and Farmer Likeability. MEDALLION entered Genetics Australia's service just before the commencement of the genomic era but was featured in the first group of bulls anywhere in the world to be marketed based on their genomic breeding values.

Genetics Australia's Breeding and Genetics Manager, Peter Thurn, said MEDALLION was recognised for his unparalleled ability to produce a cow suited Australian conditions. "Few bulls since JUDGE have had the impact that MEDALLION has. The consistency of his daughters and their magnificent udders cannot be matched."

Atwood

Breeders around the world were saddened to hear of the passing of 7HO10506 Maple-Downs-I G W ATWOOD (EX-90). At 12 years old, G W ATWOOD was one of the original generation of genomic bulls.

As a young calf, he was identified as a breed leader for Type and his daughters delivered on that genomic prediction. He currently ranks as the breed's No. 3 proven sire for Type with more than

48,000 daughters worldwide, and 31,000 classified daughters. Bred by Rick and Shannon Allyn, Jason Lloyd and Michael Heath in the US, Attwood was bought and marketed by Select Sires.

"He sired a predictable pattern that developed high style and show appearance, yet his daughters were the favourites of many commercial dairy producers as well. G W ATWOOD's high sire fertility also added to his popularity," Kevin Jorgensen, Select Sires' senior Holstein sire analyst, said.

G W ATWOOD garnered massive attention in the show arena around the globe, earning premier sire banners and siring show-winning champions. He sired many All-Americans and All-Canadians and his daughters are expected to attract attention for years to come.

Australia takes seat at global genetics table

Australia now plays a larger role in international dairy genetic evaluation with the election of Dr Matt Shaffer, as chair of the Interbull Steering Committee.

Australia has had a strong association with Interbull for more than 20 years.

As an Interbull participant, Australia exchanges evaluation information allowing predictions of genetic merit for overseas sires based on daughter performance in 35 different countries to be converted to Australian Breeding Values (ABVs) and Indices (BPI, HWI, TPI).

Matt's position means Australia is at the centre of global developments and well placed to stay at the forefront of dairy genetic evaluation.

More information about Interbull can be found at interbull.org/index.



Retiring Interbull chair, Reinhard Reents from Germany, with new Chair, Dr Matt Shaffer from DataGene, Australia.

innovative breeding



- VikingHolstein
- High production
 - Medium size
 - Feed Efficient
 - Healthy

It takes innovation to breed for a sustainable cow

VikingHolsteins are designed to be easy going, productive, healthy and fertile. We have knowledge of the internal and external workings of the modern dairy cow, backed up by elite and extensive data collection. Innovative breeding - inside and out!

Read more: www.vikinggenetics.com.au

Global genetic markets are seeing Black and White

A 13th milk cheque, cash-flow bonus or, put simply, a lifeline.

Dairy farmers might refer to it by varying names, but the reality is, the export Holstein heifer market has, and continues to be, of significance for Australian milk producers.

Fuelled by an insatiable appetite for dairy products, China has driven the rising demand for Australian genetics and the nation has had its sights firmly set on black and whites.

For the first 10 months of the 2018/19 financial year 73,739 dairy heifers were exported from Australia, according to Livecorp and Australian Bureau of Statistics data (Table 1).

This total is 56% more than the entire previous financial year and 0.7% more than 2014-15 – the second highest export volume year in the past five years.

From January to April this year, alone, 35,060 dairy heifers have left Australian shores (Table 2).

Dairy farmers are reaping the benefits of the renewed interest in dairy heifer exports.

"We've found in the last three months, the price of cattle has gone up at the farmgate which is great," Holstein Australia CEO Graeme Gillan said.

"There's competition for them and the best way to secure them is to pay reasonable dollars but for me members with registered animals available for export should be considered as preferential suppliers."

Holstein Australia has a significant role in the huge business of exporting genetics. Its role focuses on quality control, ensuring animals are true to their breed type and can function as a dairy animal when they arrive at their destination. Holstein Australia also works with industry herd improvement organisations to collate parentage information of animals and provide certification. Outside of the direct export process, Holstein Australia works to promote Australian Holsteins

Table 1 Dairy live exports from Australia. Source Livecorp & ABS.

Financial year	Number
2014-15	73,217
2015-16	71,907
2016-17	72,811
2017-18	47,017
2018-19 (10 mths only)	73,739

internationally and where possible, supports opening new markets or improving existing relationships.

About a third of Holstein Australia annual income is derived from export-related services market, according to its most recent annual report.

Graeme said the export market has helped generate cash-flow for breeders during tough times in the industry where cost or weather pressures have reduced on-farm margins.

"I think everyone is willing to sell to export now; with sexed semen there are more females and often the numbers are above and beyond what's required as replacements," he said. "(Farmers) are more than happy to sell to export especially when there is a downturn in the domestic market."

"A number of years ago, there was the situation where people thought we were 'selling the farm', if we kept sending cattle

over (to countries which also purchase Australian dairy products). I don't think that's the case, people are making business decisions on how they can generate cash-flow."

Making the most of the market

North East Victorian dairy farmer Scott McKillop started opportunistically selling Holstein heifers to the export market, but now sees the growing market as a more permanent source of income.

For the past six to seven years, Scott and his wife Belinda sold excess heifers. They were first tempted when prices were peaking at about \$1700 several years ago.

"It was too good to knock-back at that point, when we had plenty of numbers," he said. "It adds an extra bit of income to the business that's purely not milk related."

The McKillops milk up to 380, mostly Holsteins at Dederang. Each year livestock trading, including export heifer and cull sales, has made up a little more of the farm businesses income. Last financial year it was "at least" 10% of their income.

"In the last 5-6 years, we have probably gone from having a few excess heifers to having a more deliberate strategy of using sexed semen on the heifers, to get excess heifers, and with genomics we rank them, and pick the sale heifers from there."

"For example, this year we had 129 Autumn heifers, we will milk 370 to 380 this year and probably sell 50 heifers. At the going-rate of \$1300 for a 180kg heifer, it is pretty handy money. A person's wage for the year. At 180kg, it is a pretty profitable animal at that weight."

Despite the decision to breed extra heifers, income from the export market isn't something the McKillops necessarily bank-on each year. Instead they view it as a 'bonus', choosing to use it as an additional income stream or 'buffer'.

The McKillops view rearing heifers for export as a more profitable and risk averse strategy than rearing beef on their out-paddocks, land which they can't milk off. "At \$1200 to \$1300 for a 200kg export

Table 2: 2019 spike in live exports of dairy cattle. Source: ABS

Period	Jan-Apr 2017	Jan-Apr 2018	Jan-Apr 2019
China	14,321	8,730	24,374
Indonesia	197	1,750	218
Japan		293	843
Malaysia	386	566	1053
Oman			3500
Pakistan	4065	3020	2428
Taiwan	955	880	747
Thailand			227
UAE	166	275	1670
Total	20,090	15,514	35,060

heifer, it is better than any return for beef," Scott said. "The Holstein heifers also give us options. We can keep them ourselves or sell them."

Scott said the economics stacked-up in favour of selling to export. While it was possible to retain extra Holstein heifers to join and then sell as in-calf heifers on the domestic market, he said this meant keeping them from an extra 12 months for only another \$400-\$600, when compared with the current export prices.

He doesn't think selling live heifers to countries which purchase Australian dairy product would stifle demand.

"I don't think there's an issue with that, I don't think there was ever a risk, because of the amount of people over there, not just in China but in Asia itself," he said.

"There's an increasing level of affluence and eating styles, for example with the introduction of Pizza Huts there's going to be more cheese needed. The use of dairy products is only going to increase with increasing westernisation and the rise of the middle class."

China's growing demand

Livecorp and ABS data revealed China has purchased 618,185 dairy animals from Australia in the past 17 years (Table 3). China buys seven times more Australian dairy animals than Australia's second largest customer Mexico. Mexico has purchased 87,872 dairy animals during that time.

Almost 80% of the dairy animals (24,374) sold via live export between January and April this year, were bought by China. Oman, at 3500, was the second largest Australia customer during this period.

The total number of dairy animals exported during this 4-month period was 35,060, nearly 126% more than the same time last year.

The key players in Australia's live dairy cattle exports are Austrex, Australasian Global Exports, Landmark and North Australian Cattle Company.

Table 3: Long-term top importers of Australian dairy heifers (2001-2018).

Source: ABS & Livecorp

China	618,185	1
Mexico	87,872	2
Russia	67,573	3
Pakistan	41,449	4
Indonesia	27,304	5



Dederang dairy farmer Scott McKillop says the returns from selling Holstein dairy heifers to the live export market are more profitable than rearing beef cattle on his dairy run-off land.

Livecorp chief executive Sam Brown said livestock exports provided "an important risk management tool for dairy producers wanting to reduce their herd size." He said the market offered competition for livestock in challenging times like drought or low milk prices.

The Livecorp figures highlighted the importance China plays in the Australian live dairy export market.

"China has consistently been by far the most important market over the past decade, and demand has rebounded in the past financial year," Sam said.

"After falling to 28,550 head in 2017-18, China had already imported 57,641 dairy cattle by April (the latest figures available) in 2018-19."

Rohan Butler, Holstein Australia's genetic services manager attended the "China Dairy Expo and Mission" in China during July. It was organised by the industry peak body in China, the China Dairy Association and facilitated by Austrade.

His trip included visiting different dairy farms and speaking with the operators as well as Chinese importers of live cattle and semen.

Rohan said China's thirst for dairy, and its need to fill animal protein markets, was driving demand for live dairy cattle.

"Some of the (demand) was off-the back of the swine flu outbreak and a massive decline in the pig population," he said.

"I suspect the old cows will come out of the herd to go into the beef market.

They will need to be replaced somehow and hopefully they will be replaced with Australian export heifers."

On-farm, Rohan said the Australia progeny was performing well in the modern, comfortable facilities.

"The feedback on the cows and heifers, from Australia, was generally positive," Rohan said.

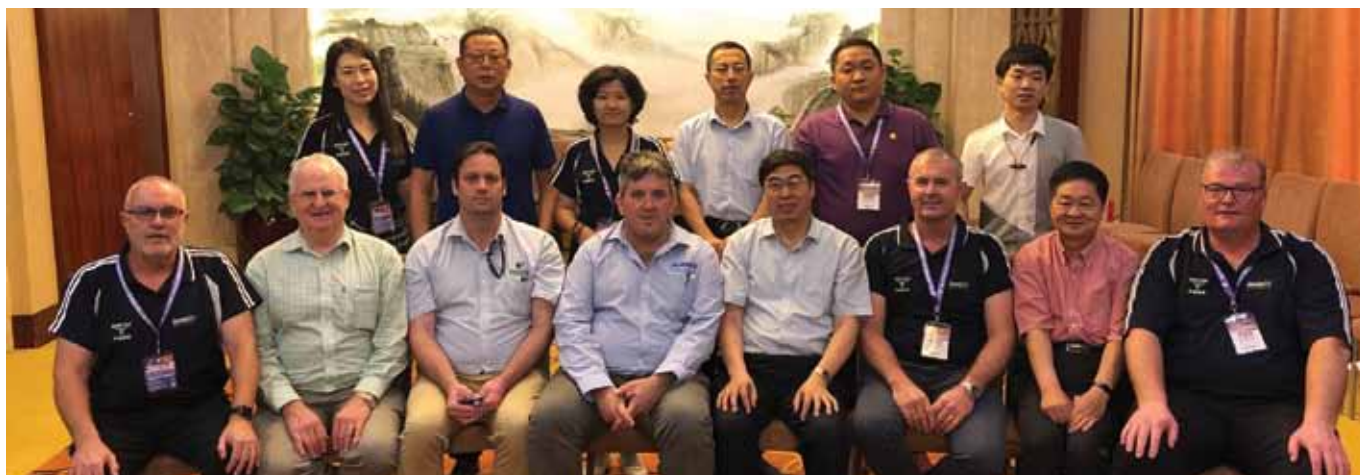
"It was a real US-style system of farming, with the cows achieving a similar number of lactations to what they would in the US, up to three lactations. It's less than in Australia, but they are different production systems with our grass-based farming somewhat easier on our animals."

Housed and milked in barns, he said you could have been anywhere in the world when it came to animal husbandry, when stepping onto the property of a good Chinese farmer.

"It was a 35°C day and it was reasonably humid," Rohan said. "In the barn, you didn't sweat. The moment you stepped-out, you were dripping and it was pouring off you. It was like 'can I go back in there with the cows?'"

While the entire 2018-19 statistics for dairy live exports were not available at the time the Holstein Journal went to print, indications suggested Australian dairy export numbers were recovering.

Livecorp and ABS data show, based on the 10 months of the 2018-19 financial year, that export demand for animals is returning to more average numbers. China, for example, purchased between



China Dairy Expo and Mission: Australian delegates in the front row: Rob Derksen, Genetics Australia; Peter Williams, DataGene; Rohan Butler, Holstein Australia; Glen Barrett, Jersey Australia; Trevor Henry, Genetics Australia; Anthony Shelly, Genetics Australia, with Chinese hosts and dignitaries.

56,000 and 62,500 animals each financial year for the past five years. Except during 2017-18 when numbers dipped to 28,550. The lack of demand from China during this time resulted in a fall in the overall numbers exported.

Farmers in one part of Northern Victoria and the NSW Riverina are still unable to sell heifers to China following the discovery of an animal testing positive to Blue Tongue Virus in October 2017. China, and some other countries, do not accept breeding cattle from BTV zones. BTV is more common in northern areas of Australia but once a positive case was found near Lockington in northern Victoria, all cattle

within 100 km were banned from being sold to live export.

At the time the *Journal* went to print, this ban was still in place, despite authorities claiming northern Victoria free of BTV.

Top quality genetics wanted

Dr Shane Ashworth owns Total Livestock Genetics an export and genetics business based in Western Victoria. TLG exports "a few thousand" dairy heifers a year, with its biggest annual sale about 8,000.

The company has developed alternative markets for both live heifers and semen and transports animals via ship or plane, depending on numbers.

Japanese demand for dairy heifers has been driven by the Wagyu industry. Shane explained Holsteins were used for recipients for Wagyu embryos which has resulted in a shortage of dairy cows.

"If you don't breed enough heifers, you don't have enough replacements," he said.

This market could become "small and sustainable" but Shane said the key was ensuring Australia continues to send quality heifers that were free of Bovine Johne's Disease, a requirement for export to Japan.

Demand from Indonesia has been driven by increasing milk consumption, Shane said.

Are registered cattle more valuable?

For some markets, yes. In others, it helps but is not a deal-breaker. That's according to leaders in the export industry.

Export company Total Livestock Genetics owner, Dr Shane Ashworth (pictured), whose biggest market is Japan, said he's historically tried to pay a premium over the market to secure quality cattle.

He said some markets have specific health requirements, for example Japan requires animals free of Bovine Johne's Disease.

This means he sources a lot of cattle for this market from Western Australia, South Australia and NSW and there's lots of testing involved to reassure the customer.

"Registered Holstein herds are a good place to start because of the integrity of their records," he said. "They have good herds and also use AI."

He said the concept of good genetic merit varies between customers, but now through the science of genomics, it's possible to prove an animal's genetic merit.

Shane said TLG paid a premium for an order from Indonesia recently.

"We paid a premium over what the market was because we were trying to source better cattle, and I think we did," he said.

For the Chinese market, it is more about volume of numbers when it comes to exporting Holsteins, according to Holstein



Australia CEO Graeme Gillan. "For the Chinese market, I'd like to say there is [a premium for registered Holsteins] but in reality, it's hard for us to say yes categorically," he said.

"We are seeing a premium in some niche markets, but for the China it is about trying to satisfy demand for numbers. They just want animals there. I'd like to see higher prices for registered Holsteins, but agents and exporters are caught with what China will pay."

"If you are a registered breeder or not, a market is a market. As an organisation we don't want to get in the middle of a commercial transaction that could negatively impact the marketplace. We do help exporters in other ways but have little influence on price."

HJ

"There are about 300 million people who have historically haven't drunk a lot of milk or consumed dairy products, that is changing and as their demand grows, so does their demand for cows," he said. "That's right across Asia, all these countries try to be self-sufficient and milk isn't the best product to transport, so there's ongoing demand for dairy cattle throughout Asia. I see that continuing because their numbers are pretty low, and their population size is pretty big. They don't need to increase their consumption much per head to spark quite a demand for dairy cattle."

Shane doesn't believe this ongoing demand for dairy heifers would impact markets for Australian dairy produce. He said these nations were limited by size and resources, when it came to producing their own products, and believed they would continue to source product elsewhere.

Thanks to sexed semen, more dairy farmers are breeding extra heifers. Shane, whose business also supplies sexed semen, said there were some farmers who had used sexed semen knowing there was going to be a market for surplus heifers.

"What TLG has tried to do is network and liaise with regular suppliers," he said.

"Our dream would be to have a regular network of suppliers purposely breeding animals for export and matching them with a network of customers looking for the right animals."

In-flight insight

There's quite a large cost and time commitment associated with exporting animals and that's why Shane stresses the importance of sending quality cattle.

He said chartering a plane to send an order overseas could cost \$300,000 to \$500,000 depending on where it was going.

A flight to Japan would take about nine



Australian heifers recently landed in China. When heifers are milked using the Chinese total mixed ration system they regularly produce 10,000 litres a lactation, according to Genetics Australia.

hours.

"They go direct or we have to fly via Singapore," he said.

Each heifer generally flies with a group of six, in a wooden pen with a carpeted floor.

"It is highly regulated, they have a very comfortable journey, there's room for them to sit down," he said.

"When we get there, two-thirds of the animals are usually lying down in the pen, on the carpet with their mates."

"During the flight, we dim the lights and cool it, there's no in-flight service though, but it is stress-free. Shipping is the same. The mortality rate on our sort of shipments is usually zero and the animals gain weight. They are well looked after; they are high-value animals."

Heifers go into quarantine for 14 days before moving to their new farm.

Shane said the size of heifers sent for export varied, but Japan typically preferred heifers at 7 to 10 months of age and about 250 kg. He had sent planes of pregnant

animals, but they had to be 3-5 months pregnant to allow them time to acclimatise to their new environment before calving.

TLG controls the process of exporting its heifers from Australia.

"The reality is, and dairy farmers know, if you want to get milk out of heifers but then stop their growth and feeding for three months, you can't expect them to do well," he said. "If you are going to introduce an export journey to their life, they have to be fed maximally through all parts of that phase. Quarantine, shipping or whatever. We have worked hard to control the elements of that for ourselves and our customers."

He said Holstein Australia members play an important role and need to "continue doing what they are doing" to service the live export market.

"We actually have used a bit of genomic testing for export, it is the best way to validate the quality of the animal," Shane said.

"Anyone could tell you they have a good



Chinese summers can be hot and humid. This weather is driving interest in Australian genetics such as heat tolerance and feed efficiency Australian Breeding Values. Pictured are Australian Holstein heifers keeping cool in China.

animal, but if I could show you a test – the DNA – it has a chance of proving it is a high-quality animal. We can objectively show the genetic value, obviously rearing comes into it as well, but I'm hoping with initiatives like this, breeders see how exporters like TLG are trying to add value to their cattle."

"I passionately believe the Australian animal is good genetically, if she's presented well and marketed right, there should be good opportunities for all of us."

"We've got (Holstein Australia) members we regularly buy from and we have tried to regularly pay a premium. Once we do the genetic testing of animals, we find the people using the latest genetics are getting the best animals."

Shane said there was a role for bulls siring offspring for export, but the bull had to have high genetic merit otherwise "it is really is not of interest to our clients".

Maintaining demand with quality

West Australian Holstein breeders Bob and Jacqui Biddulph (Leeuwin) have sold heifers to the export market for at least 15 years.

They breed 50 to 75 more heifers each year than required for milking replacements.

"The export market is a good value-add for our business rather than using beef bulls," Jacqui said.

The Biddulphs' 420 registered Holstein herd at Cowaramup, near Margaret River, has a BJD Assurance Score of 8. This is the highest John's assurance score available and indicates the herd has recorded two negative sample tests two years apart and has ongoing triennial checks. This John's assurance score has opened the door to the Japanese market for their heifers.

Like most farmers, the Biddulphs want the export market to continue and see their role, supplying quality heifers with good genetics, as central to this.

"It will be good to develop the export market at the quality end," Jacqui said. "If it's just four legs on boats, cattle could be sourced from anywhere and we still want to be doing this in 10 years, so the stock we put in, it has to be good."

Jacqui and Bob want their herd to be a supplier of choice for export markets.

"If there are limited, or better orders, you want to be the first people they come to rather than the last person," Jacqui said.



West Australian Holstein breeders Bob and Jacqui Biddulph have sold heifers to the export market for at least 15 years. The herd's top John's assurance score has opened the door to the Japanese market for their heifers.

"To me, that means you need to maintain very good records, ensure all health statuses are correct and up-to-date. You need to have stock available and, the stock you are putting-up, needs to be well bred. The export market is now more discerning. We need to make sure, what they think they are buying, is actually what they are getting."

About 18% of the Biddulphs total farm revenue comes from selling stock, including heifers and culls, and this means that they now have two sources for reliable income.

"As long as the export market is available and we have the sort of stuff exporters are looking for," Jacqui said. "It has become an increasing part of our income without compromising our milk income."

So, it seems, whatever you want to call those financial benchmarks, the dairy export market has been delivering for Australian Holstein breeders.

It's clear, the best way to get your hands on the thirteenth milk cheque, is to breed Holsteins. **HJ**

Holstein Australia's role in the export market

Holstein Australia plays two roles in the export of heifers to China – inspecting animals for true-to-type and collating animal data, according to its chief executive Graeme Gillan.

"For heifers to comply with the long-standing China protocol and our primary role is around inspections, to ensure the cattle are true to type," he said. "Animals are bought into quarantine facilities, then our classifiers go in and inspect those heifers. They are looking for things like, non-breed character. For example, if it looks like a beef-cross or structurally its legs are not functional. They are not looking for show animals, they are looking for animals that will function when they get to their new environment."

Graeme said both exporters and agents were selecting animals that reflected the inspection criteria resulting in very few animals being rejected. "I doubt we knock 1% out; some agents do some of the work when they purchase them," he said. The next step is working with industry herd improvement organisations such as DataGene, HICO or National Herd Development Co-operative to collate each animal's data.

Graeme said if an animal's sire, dam and maternal grand sire are known, the import duty on those heifers is waived for exporters bringing the animal into the country. Holstein Australia helps with this by providing pre-embarkation certification and certificates for animals that make the final shipment; all part of the protocol.

In the Japan market, Holstein Australia works with export and herd improvement organisation Total Livestock Genetics to gather farm records of animals if they are not registered.

Holstein Australia's role in other markets varies. For example, some agents like Holstein Australia to provide certification to validate the animals they are working with and for other markets, it is about helping to facilitate sales, Graeme explained.

Spotlight on China

Each year Austrade takes a group of Australian businesses to China to meet with parties that are interested in importing both Australian products and know how. Holstein Australia's Rohan Butler reports.

This year's visit included meetings with dairy industry officials at the Australian Embassy, and visits to the Beijing Dairy Cattle Centre, Tianjin Mengde Demonstration Farm and the Chinese Dairy Expo in Tianjin.

During the Embassy visit we received a presentation from Ms Liu Lin, Deputy secretary of the China Dairy Association. She said the Chinese government wants to increase consumption of dairy products from around 20 kg to 100 kg per person per year. That's a rise from 26 billion to 130 billion kg of dairy product – without accounting for any population growth. This would bring their dairy consumption in line with most Western countries.

China currently has 18% of the world's population but only 10% of world's arable land and 7% of the fresh water. Some of the extra dairy consumption will come from increased domestic production but imported product will also have a role. Even if they never achieve this aim, consumption per capita is set to significantly rise.

Chinese dairy industry snapshot

13 million cows

20.6 kg per person consumption

World's largest importer of dairy product

The Chinese industry has identified genetic improvement as a key pillar to helping meet the increased demand for dairy. The tour visited the Beijing Dairy Cattle Centre which milks 620 elite dairy cows and houses a number of AI bulls. The centre provides herd improvement extension and sells 3 million units of semen annually from both their own domestic sires and semen imported predominantly from North America. The bulls and females for the milking herd are generated by importing around 300 embryos per year.

The domestic payment scheme focuses on milk yield rather than solids and this a key driver in their bull selection. As with all dairy farmers, over recent years there has been a significant shift to focus on health traits such as fertility and mastitis

resistance and now new traits like heat tolerance and feed saved.

The Chinese have been repeat buyers of Australian heifers, considering them a mainstay to providing a quality baseline animal that helps build herd numbers. The anecdotal evidence was that while heifers may come from several countries, Australian heifers were preferred due to their ability to adapt to the climate and produce well in first lactation. Feedback from several importers was that Australian heifers produced better and were healthier than heifers from other countries.

We visited Xu Lanhai's farm near Tianjin, with a barn of cows that were all descendants of heifers imported from Australia. The cows were productive and in good order. He planned to continue using Australian genetics within his herd on the back the performance of his Australian-bred cows.

The China Dairy Expo was a massive event with more than 500 exhibitors and 60,000 attendees across three days. The expo covered the whole production chain from genetics and feed stuffs, through to innovative products such as activated charcoal yoghurt and whole stands devoted to the ever popular infant formula. This is a great opportunity for international businesses to engage with Chinese farmers and other industry participants. The sense from the floor of this event was that the Chinese dairy industry was on the up and international partners should look help grow the industry.

HJ



Dairy cattle in China are housed in state-of-the-art facilities with climate control.

Export sales of Australian semen rocket

Exports of Australian semen has taken-off in the past two years, according to National Herd Improvement Association (NHIA) of Australia figures.

Data from the most recently available survey, 2017-18, shows 260,000 doses of semen were exported that year. This was up 108% on the previous year's total volume of 125,000.

In 2012, export semen sales were 120,000.

While exports remain a small portion of the 2.19 million doses of semen sold in Australia during 2017-18, this market increased 13.5 times more than total semen sales between 2016-17 and 2017-18.

To put this in perspective, total semen sales have only grown about 29% since the NHIA started collecting the data in 2010.

Holstein semen sales made up 79% of the total semen sales in 2017-18, about the same as the previous financial year, according to NHIA.

Persistence pays-off

Genetics Australia has been at the forefront of this rise in export semen sales.

After years of working to develop the Chinese semen export market, Genetics Australia has a foot in the door of a

large market with a taste of Aussie dairy genetics.

Genetics Australia's breeding, genetics and production manager Peter Thurn said the rise in semen export was due to a combination of factors.

"We have put a lot of work in selling the benefits of BPI (Balanced Performance Index) to the world, in particular in China, and this is starting to pay dividends," he said.

"Traits like Heat Tolerance and Feed Saved are also gaining traction overseas and they set us apart from many other exporters giving us a somewhat unique angle. Another important aspect is having a distributor in a country that is dedicated to your product, not someone who handles multiple portfolios. I think it is also recognition that the product is working for them and generating repeat business."

Peter said the Chinese market was "starting to dwarf" other markets. "We have had interest from China for many years," he said. "However, it has only been the past few years that this has turned into orders and for us the market is growing exponentially."

While China is the largest semen market for Genetics Australia, South Africa has

been a long-term customer. Peter said this market was previously focused on Jersey genetics, but recently it has developed more interest in Holstein semen. New Zealand has also been a "consistent" market for Australian dairy genetics.

Peter said the Australian BPI system it was starting to "resonate" generally with export markets, not just China. "In South Africa and New Zealand, they are looking at a medium-sized grazing cow with good type and longevity and that is what Australian genetics delivers."

He said the Australian industry had created many resources which helped increase adoption of the BPI in overseas markets.

Two programs he mentioned specifically included DataGene's Improving Herds and Feeding the Genes. The former focused on turning science into data-driven decisions on-farm, with the later studying the effects of different feeding systems on the Australian ranking of bulls.

Meeting export needs

Peter said selling semen to export markets was also about "meeting needs" and that's where the Australian Breeding Values for Heat Tolerance and Feed Saved come in.

When it comes to price, Peter said exports markets were no different to other customers.

"Like everybody, they are interested in the best for the least," he said. "In saying that, most markets recognise that there are commodities and premium products and as a rule they will pay a bit more to purchase a premium product, however export is more of a volume game."

Looking ahead, Pakistan and India are two emerging markets for Australian semen exports, according to Peter. "This is driven by the need to improve their livestock to meet the food demands of their population," he said.

A growing export market has many benefits for the entire dairy industry, according to Peter.

For the registered Holstein breeders, there's direct returns through royalties and great demand for young bulls entering artificial insemination.

For Genetics Australia, the market flattens the seasonality of its local business, dilutes production costs and contributes income to the bottom-line.

HJ



Genetics Australia Export Manager Rob Derksen, Chairman Trevor Henry and CEO Anthony Shelly in China in July inspecting daughters of Australian bulls.

Highest classified cows 2018/19

Classification provides an objective and impartial assessment of the conformation of cows. It compares each animal to the Holstein 'True Type' cow, the internationally recognised yardstick of structural correctness. It's a useful tool in breeding high production, trouble-free and long-lasting cows. Once a year we publish a list of the cows with the top classification scores, in recognition of outstanding breeding achievements.

Herdbook	Animal Name	Date of Birth	Score	Class Date	Owner	Breeder
1460140	FAIRVALE IRON BUTTER 84	10/08/2005	EX-94-7E	20/06/2019	DARYL COLE	FAIRVALE HOLSTEINS
1341997	ASHBURY LEADER PLUM	2/05/2003	EX-94-7E	20/06/2019	QUALITY RIDGE	ASHBURY HOLSTEINS
1400689	WILLETTE BALLY ALISON	26/05/2006	EX-94-4E	11/06/2019	L A & C M CHESWORTH	L A & C M CHESWORTH
1737219	FAIRVALE BAXTER JOSIE 64-ET	12/09/2009	EX-94-3E	4/01/2019	G B & M M ANDERSON and FAIRVALE HOLSTEINS	FAIRVALE HOLSTEINS
1737393	FAIRVALE BOLTON NOLA 23	30/07/2010	EX-94-2E	26/11/2018	FAIRVALE HOLSTEINS	FAIRVALE HOLSTEINS
1224957	GORBRO STORMATIC ROBIN-ET	8/08/2003	EX-93-7E	17/12/2018	R K & J R GORDON	R K & J R GORDON
1276792	KRISHLAYE ROY MATINA	8/07/2004	EX-93-6E	4/02/2019	A J HARRISON	A J HARRISON
1472908	WILROB STORMATIC ROWDY	15/08/2006	EX-93-6E	20/01/2019	C & F BILLS	D I & P J ROBERTS
1541238	ELM BANKS SHOTTE TANYA-ET	6/01/2009	EX-93-6E	11/12/2018	CHRIS & MARY GLEESON	CHRIS & MARY GLEESON
1301784	BOSCAWEN KENDALL QUEEN 3349	20/08/2004	EX-93-5E	8/04/2019	BOSCAWEN HOLSTEINS	BOSCAWEN HOLSTEINS
1347228	FANTASIA BLITZ EDNA	3/09/2005	EX-93-5E	28/02/2019	FANTASIA PASTORAL CO P/L	FANTASIA PASTORAL CO P/L
1545071	LEADER SHOTTE SUGAR	5/02/2009	EX-93-3E	10/05/2019	N BOOKER & A MARKS	LEADER HOLSTEINS
1688853	LINSAND CONTENDER SPARK	1/04/2011	EX-93-3E	21/12/2018	L R & S J THOMPSON	L R & S J THOMPSON
1692201	ACERO PALULA-ET	15/03/2012	EX-93-3E	3/05/2019	D M & L M FRY	V R RODWELL
1898156	WOOD LAWN STEADY KRISTINE 4678-TWIN	4/07/2011	EX-93-3E	21/03/2019	FLANAGAN FARMS	L P & V L FLANAGAN
1604882	MISSY MOO LADINO CATHY-ET	9/02/2010	EX-93-3E	7/11/2018	OAKWOOD PARTNERSHIP	KAYLA BRADLEY
1578578	PANATANA GOLDWYN ROSEBUD	11/09/2009	EX-93-3E	20/11/2018	J P COLWELL	GREENBANKS PTY LTD
1664110	AVONLEA BRAEDALE BETTINE	11/06/2011	EX-93-3E	11/07/2018	J H & C J GARDINER	HT & V J & J H GARDINER P/L
1750133	FAIRVALE DAMION JOSIE 75	24/03/2011	EX-93-3E	18/06/2019	FAIRVALE HOLSTEINS	FAIRVALE HOLSTEINS
1677173	OXLEY VALE GILLETTE PIEBE	23/08/2010	EX-93-2E	29/10/2018	A D & Z R POLSON	A D & Z R POLSON
1693520	PHILMAR MEDALLION MARILYN 3563	28/02/2012	EX-93-2E	19/06/2019	G M & P E FLEMMING	G M & P E FLEMMING
1782943	GORBRO ATWOOD SHIMMER	11/03/2014	EX-93-2E	18/06/2019	BEN & RENNAE MCINNES	R K & J R GORDON
1454513	MOORAMBA TALENT RANDELL	31/05/2007	EX-93-2E	7/11/2018	FLANAGAN FARMS	ST & J A FLYNN
1516471	LIGHTNING RIDGE ALLEN TABARET-ET	17/09/2008	EX-93-2E	2/01/2019	RICHARD HULL	DECLAN L PATTEN
1663303	GLOMAR SHOTTE LUCKY 4279-TWIN	24/02/2010	EX-93-2E	7/02/2019	R JOHNSTON	R JOHNSTON
1748892	BEARDROCK BOLTON BLITZ	4/03/2011	EX-93-2E	20/11/2018	THOMAS OSBORN	SHAUN & KELLY BEARD
1451184	ELEGANT TALENT ERIN-ET	3/06/2006	EX-93-2E	19/12/2018	B & Y MCVILLY	ELEGANT PARTNERS
1766373	CALOULA RIDGE BUCKEY DOLL-ET	16/07/2008	EX-93-2E	20/11/2018	C B & K E GORDON	J L DRURY
1564199	NETHERWOOD DOLMAN KATIE	26/07/2009	EX-93-2E	14/06/2019	D & C & R BERRYMAN	D & C & R BERRYMAN
1475348	MAJESTIC COLIN VIKKI	9/10/2006	EX-93-1E	5/02/2019	CLAYTON P BAWDEN	G, C & C BAWDEN
2046312	EAGLE RIDGE CONTENDER L POLKA-ET-RED	26/06/2011	EX-93-1E	26/03/2019	R G & K V EAGLE	R G & K V EAGLE
1965171	FLEYAS HATALI MEDALLION CHERRY	5/08/2014	EX-93-1E	10/04/2019	R K & J R GORDON	FLEYAS HOLSTEINS
1684503	CORAL HILL ERNESTO MEG	2/02/2012	EX-93-1E	24/05/2019	B A & S E MCGINN	B A & S E MCGINN
1478742	WELLSTRAND BUCKEY MERCEDES 3RD	11/02/2007	EX-92-6E	3/01/2019	ST CLAIR HOLSTEINS	E & S J BETT & SON
1392657	JAMALA TALENT MIST	13/04/2006	EX-92-6E	6/03/2019	J I HORTLE	J I HORTLE
1501391	ELM BANKS DESIGNER PEACH	22/07/2008	EX-92-6E	11/12/2018	CHRIS & MARY GLEESON	CHRIS & MARY GLEESON
1307846	ALNOR SUE SHYLAD 4191	7/12/2004	EX-92-5E	15/03/2019	ALNOR PARTNERS	ALNOR PARTNERS
1434582	GLENUNGA DRAKE BUTTERKAY	22/02/2007	EX-92-5E	20/02/2019	GLENUNGA PROPRIETORS	GLENUNGA PROPRIETORS
1522004	CHAPPLE VALLEY BLADE ELAINE	3/08/2008	EX-92-5E	6/12/2018	J W JENNINGS	J H & N J JENNINGS
1536402	OURWAY GOODAS HILIN 2	22/12/2008	EX-92-4E	3/10/2018	C J & S J DALEY	C J & S J DALEY
1642230	ABERFELDIE TALENT SUSA	2/01/2009	EX-92-4E	15/07/2018	T J & J E CLARK	K MAPLESON
1530453	BLACKWOOD PARK BLITZ WENDY 6360	23/07/2008	EX-92-4E	22/02/2019	J C ALTMANN & SON	J C ALTMANN & SON
1688831	ELM BANKS WINDBROOK LULU	7/02/2012	EX-92-3E	11/12/2018	CHRIS & MARY GLEESON	CHRIS & MARY GLEESON
1887946	CALIVIL PARK OUTLOOK VAL	6/05/2010	EX-92-3E	11/01/2019	MATTHEW TEMPLETON	D E & S K CULTON
1726321	RUSTY RED LINER GEORGIE-RED	12/08/2012	EX-92-3E	6/12/2018	J W JENNINGS	J W JENNINGS
1440339	HARKLAJE LADINO JAZABELL-ET	5/10/2005	EX-92-3E	15/07/2018	T J & J E CLARK	T J & J E CLARK
2004925	TARA DAIRIES BELERO LEXIE	22/01/2007	EX-92-3E	15/09/2018	MR P TIMBS	MR P TIMBS
1624510	VALIVU DENZEL TAMIE	28/07/2010	EX-92-3E	17/12/2018	ELMAR HOLSTEINS	W E & I T SHAW & SONS
1672614	WINDY VIEW POLLUX GINA	21/08/2009	EX-92-3E	19/12/2018	B & Y MCVILLY	B & Y MCVILLY
1442787	CORAL HILL ALANTA LIPSTICK	2/06/2007	EX-92-3E	24/05/2019	B A & S E MCGINN	B A & S E MCGINN
1597301	SKY VIEW TALENT CONNIE	18/07/2008	EX-92-3E	9/01/2019	A T HOGAN	A T HOGAN
1665938	ELM BANKS ATHUR EMILY	9/10/2011	EX-92-3E	11/12/2018	CHRIS & MARY GLEESON	CHRIS & MARY GLEESON
1567374	FOXDALE GOLDWYN LILA-ET	31/07/2009	EX-92-3E	17/12/2018	R K & J R GORDON	A A CHESWORTH
1484519	BRAEFORD ICE KARLEE	15/09/2007	EX-92-3E	11/12/2018	BRAEFORD PROP.	BRAEFORD PROP.
1613940	OURWAY SUBURN BRONWYN	28/05/2010	EX-92-3E	14/04/2019	C J & S J DALEY	C J & S J DALEY



Herdbook	Animal Name	Date of Birth	Score	Class Date	Owner	Breeder
1987645	LUCCOMBE EBR DAMION SHALE-TWIN	27/04/2016	VG88	29/01/2019	ROBIN & LOWIS WHITE	ROBIN & LOWIS WHITE
1922388	GORBRO FEVATWOD TIFFANY	6/01/2016	VG88	17/12/2018	R K & J R GORDON	R K & J R GORDON
1958653	HILL VALLEY GOLD LUSTRE-IMP-ET	13/03/2016	VG88	13/07/2018	R & H PERRETT	CANADIAN HOLSTEIN
2043280	STRONGBARK REX CANDY	10/01/2016	VG88	17/09/2018	JIM STRONG	FRIESIAN ASSOCIATION
2043276	STRONGBARK ARC CANDY	2/01/2016	VG88	17/09/2018	JIM STRONG	JIM STRONG
2058604	ELM BANKS DOORMAN LULU	20/07/2016	VG88	11/12/2018	CHRIS & MARY GLEESON	JIM STRONG
1926915	LIGHTNING RIDGE ARCH GJANE 1-ET	29/07/2015	VG87	25/11/2018	CHRIS & MARY GLEESON	CHRIS & MARY GLEESON
1942854	AMELIA PARK ATLEY KAY	30/03/2016	VG87	11/01/2019	CRADLEVIEW HOLSTEINS	A R & B P HYLAND
1973395	ELM BANKS SID LYN-ET	24/08/2016	VG87	13/06/2019	G G & J D MCPHEE	CHRIS & MARY GLEESON
2039741	FAIRVALE CORVETTE FARWINA 62	4/03/2016	VG87	26/11/2018	BELRUE FARMS	FAIRVALE HOLSTEINS
1949005	LIGHTNING RIDGE BEEMER CAMILLA-IMP-ET	4/07/2016	VG87	19/12/2018	FAIRVALE HOLSTEINS	AMERICAN HOLSTEIN
2022055	ELMAR SOLOMON JESSICA 2-ET	19/09/2016	VG87	17/12/2018	G FULLERTON	FRIESIAN ASSOCIATION
1949005	LIGHTNING RIDGE BEEMER CAMILLA-IMP-ET	4/07/2016	VG87	19/12/2018	ELMAR HOLSTEINS	ELMAR HOLSTEINS
2040682	KILLARRA PARK GUTHRIE FI FI	28/07/2016	VG87	30/10/2018	HENLEY FARMING	AMERICAN HOLSTEIN
1901172	GLENUNGA GOLDCHIP SANDMAID	3/11/2015	VG87	25/08/2018	COMPANY	FRIESIAN ASSOCIATION
1952042	AVONLEA DOORMAN RITZY-ET	31/05/2016	VG87	25/09/2018	KILLARRA PARK	KILLARRA PARK
1979644	GORBRO SOLOMON LIVIA	9/03/2017	VG87	18/06/2019	GLENUNGA PROPRIETORS	GLENUNGA PROPRIETORS
1949005	LIGHTNING RIDGE BEEMER CAMILLA-IMP-ET	4/07/2016	VG87	19/12/2018	D D CHESWORTH	J H & C J GARDINER
1963396	LUCCOMBE SHOTTLE CYBELE	28/02/2016	VG87	29/01/2019	R K & J R GORDON	R K & J R GORDON
1959206	POOLEY BRIDGE GYPSYTAP OLGA 23	22/08/2016	VG87	11/01/2019	TUHINGA DAIRY LTD	AMERICAN HOLSTEIN
					ROBIN & LOWIS WHITE	FRIESIAN ASSOCIATION
					G G & J D MCPHEE	ROBIN & LOWIS WHITE
						LESLIE FARMS PTY LTD



Fairvale Iron Butter 84 EX-94-7E



Ashbury Leader Plum 1341997 EX-94-7E



Fairvale Baxter Josie 64-ET EX-94-3E



Gorbro Stormatic Robin EX-93-7E

2018-19 Cow of the Year Finalists

Elmar Goldwyn Jessica 11-ET (g)

HdBk: 1634022

DOB: 14/08/2010

Owner: ELMAR HOLSTEINS, VIC

Breeder: ELMAR HOLSTEINS, VIC

Classifications: EX-92-3E

Dairy Strength: 90

Rump: 87

Feet & Legs: 94

Mammary: 94

Awards: 3*SBC 2xEP

Best Lact: Age 3-11: 11,877 litres

Progeny Performance:

26 Progeny: 15 Females (13 ET) (7 females classified 5VG, 2GP)

11 Males (10 ET)

11 Grand Progeny: 4 Females (2 ET) (2 females classified 1VG, 1GP)

7 Males (6 ET)

Supporting comments:

We are very proud to nominate Jessica 11 for this year's award. She really has put our Jessica cow family in the spot light continuing the strong cow family traditions. Jessica 11 is relatively young and we believe she will be a great brood cow with her progeny to date and many more embryos to come. Her first 3 in-milk daughters are already VG and an Aftershock Jessica daughter has bred an in-milk winner at IDW 2019.



Judges' comments:

"Jessica 11 has the makings of a top brood cow. Her progeny are in hot demand and continue to perform in the ring and as she did as 2018 IDW Holstein and Grand Champion. The Jessica's have production and type and Jessica 11 is no exception."

Eclipse Damion G Princess-IMP-ET

HdBk: 1738858

DOB: 18/04/2011

Owner: RICHARD HULL, VIC

Breeder: HOLLAND – NRS, NLD

Classifications: EX-90-1E

Dairy Strength: 90

Rump: 85

Feet & Legs: 92

Mammary: 90

Awards: 5*SBC, 1xM 1xF 1xP

Best Lact: Age 4-1: 12,660 litres

Progeny Performance:

21 Progeny: 17 Females (17 ET) (11 females classified 8VG, 3GP) 4 Males (3 ET)

107 Grand Progeny: 74 Females (59 ET) (17 females classified 9VG, 8GP)

33 Males (30 ET)

237 Great Grand Prog: 212 Females (62 ET)

25 Males (22 ET)

1 Great Great Grand Prog: 1 Female

Supporting comments:

Princess is an awesome cow. Her flush to Maple Downs IGW Atwood set this cow family on fire. Seven of her Atwood Daughters classified VG as two year olds and four of them 87 as two year olds. One of these, Eclipse Atwood Princess 7 VG 88 on her 2nd lactation is the dam of Eclipse Octane Princess 5, GP84 as a 2yo that was sold for \$20,000 to Avonlea & Budgereeh Holsteins. They then took her to IDW where she won the J2 in milk and the All Australian 2yr old Photo Competition.

Eclipse Octane Princess 13 was sold for \$30,000 and then went on to win the Junior 2 in milk at the Winter Fair. Additionally Octane Princess 13 is the dam of Eclipse Milio 4.56 PTAT number 1 available type sire in the world. He has semen exported to EU & USA thus far through the ST Network.

Eclipse Octane Princess 9 genomically is the highest udder rated Stantons High Octane daughter in the world and is passing these genetics on with 3 sons at ST genetics: Eclipse Blackwood 4.44PTAT 3.71 Udder (number 1 Solomon type & Udder sire in the world), Eclipse Royalcrush 4.19 PTAT 3.78 Udder and Eclipse Firstcrush 3.59 PTAT 3.39 Udder. All three sons have semen exported to EU & USA.



Judges' comments:

"Another younger brood cow with exciting progeny. Princess is a worthy finalist and with her sons and daughters performing well overseas has the potential of making an impact worldwide."

2018-19 Cow of the Year Finalists

Orchard Vale Informer Tiffany – ET (g)

HdBk: 1351855

DOB: 31/07/2005

Owner: RK & JR GORDON, VIC

Breeder: DJ & MW ORCHARD, VIC

Classifications: EX-91-1E

Dairy Strength: 90

Rump: 86

Feet & Legs: 90

Mammary: 94

Awards: 21*SBC, 1xEP

Best Lact: Age 3-9: 11,118 litres

Progeny Performance:

54 Progeny: 33 Females (32 ET) (29 females classified 2 EX, 24VG, 3GP); 21 Males (20 ET)

214 Grand Progeny: 173 Females (73 ET) (33 females classified 2EX, 12VG, 19GP); 41 Males (24 ET)

123 Great Grand Prog: 115 Females (2 ET) (13 females classified 4VG, 9GP); 8 Males (2 ET)

31 Great Great Grand Prog: 30 Females (1ET); 1 Male

1 Great Great Great Grand Prog: 1 Female

Supporting comments:

Informer Tiffany was identified as truly a special cow while she was on her 3rd lactation, after she won the Semex State on farm challenge, Classified EX91 and produced 10,853 ltrs 526kgs fat 4.85% 419kgs 3.86% 305 days PI 138. Informer Tiffany has 25 daughters in milk, that have been Herd recorded with their Best lactation PI averaging 120.4. She has 33 direct daughters including 2 cows at EX91; 5 cows at VG88; 24 VG daughters and 3 GP daughters. The biggest impact Tiffany has left through her daughters is the ability they have to work and produce milk. Her daughters feature in the top of the Australian Genomically tested females including the current number 3 cow and the number 5 cow on BPI in June and has 6 daughters over 300 for BPI. Tiffany has achieved this with many daughters scattered in different herds. Not only do Tiffany's daughters have an incredible ability to milk but they also have the ability to show against the best show cows in the country.



Judges' comments:

Tiffany continues to develop with more progeny that classify extremely well, have heaps of milk, great components and impressive genetic merit.

Clydevale Mrsam Pisa (g)

HdBk: 1513068

DOB: 11/11/2008

Owner: CLYDEVALE HOLSTEINS P/L atf DEE FAMILY TRUST, VIC

Breeder: AF & CM DEE, VIC

Classifications: EX-91-3E

Dairy Strength: 96

Rump: 91

Feet & Legs: 87

Mammary: 92

Awards: 8*SBC, 1xEP 2xM 2xP, LIFE 1

Best Lact: Age 5-8: 12,610 litres

Progeny Performance:

23 Progeny: 14 Females (10 ET) (12 females classified 8VG, 4GP)

9 Males (8 ET) (1 male classified 1VG)

70 Grand Progeny: 62 Females (5 ET) (9 females classified 2VG, 7GP)

8 Males (2 ET)

29 Great Grand Prog: 29 Females (1 ET) (1 female classified 1GP)

Supporting comments:

Pisa is a favourite in the herd and our ideal cow. She is breeding well, is easy to work with and has fantastic dairy strength with a great udder and outstanding production with an average PI 115.

She has an aggressive feeding nature which carries through her progeny and has been an AI bull mother and grandmother.

Pisa has been an On Farm Challenge winner and a show winner and is one of the highest producing cows with high ABV that we have ever had. Through the use of Pisa's sons and grandsons in our herd and others around Australia her genetics will leave a real mark on the breed for years to come.



Judges' comments:

"Pisa deserves her place in the final with type, production, progeny, ribbons with 8*Star Brood Cow and Lifetime production recognition."

2018-19 Holstein/Semex All-Australian Finalists

Magic mix makes up All Aus finalists

"This year's All Australian finalists in each class represent that magic mix of great breeding, exceptional presentation and gifted photography to highlight a cow's strengths."

This comment from judge Wes Brown's (Julieanwes, Tamworth, NSW) was echoed by his fellow judges.

This year's competition had 137 entries, with the 4-year old class the standout for Wes.

"The entries in this class were very uniform. They were the sort of cows I love to see: they had plenty of dairyiness and quality through their udders; the sort of cows that are a pleasure to breed and have through the dairy," Wes said.

Judging for her second year, Lisa McKay (Linsand, Western Districts, Vic), was impressed by the depth and consistency in the six finalists in every class.

"The quality of this year's entrants was even better than last year's which is a real credit to the breeders, owners and photographers involved, especially after some challenging seasons. Showing is an expensive and time-consuming exercise so it was a real highlight to see such top-quality animals presented at shows over this time," Lisa said.

Wes Brown agreed that the quality of animals improved every year. "This year was my third and final year as an All Australian judge



Judging this year's All Australian: David Peglar, Lisa McKay and Wes Brown.



Excellence in conformation and showing

The Holstein Australia/Semex All-Australian Competition is a national photography competition recognising excellence in conformation and showing. It is open to all Holstein Australia Herdbook and Appendix 1, 2 and 3 females that have been successfully shown at nominated shows throughout Australia each year. The three-member judging panel selects both the finalists and the top three places in each class.

and it's so impressive that the cows entered just keep getting better and better."

David Peglar (Sleepy Hollow, Fleurieu & Central SA) was particularly inspired by the quality of classes of younger animals in his first time judging the All Australian.

"These animals represent our future herds and it's so exciting to see such impressive animals coming through. While they are clearly well-bred, I think farmers are also doing a lot better job these days of heifer rearing and feeding, which is seeing them presented to their potential."

The Senior Yearly Dry (up to 15 months) class was the largest in the competition with 28 entries.

"There was so much consistency and depth in this class that we found it challenging to narrow down to the top six. The 5-year old class was equally consistent and therefore challenging to choose finalists."

That's where the All Australian judging format really comes into its own. Judges spend the first day examining photographs and making their own notes. On the second day, they work together to select the top six in each class and decide on the top three places.

Wes Brown said having three judges added a richness to the process and achieved very fair results.

"While we judge on the same criteria, people see things differently; what one person misses, another will pick up, creating some great discussions. We move the photos around the table just like you line up animals in the ring. It's a very robust process; we learn from each other and it makes us better ring side judges."

Lisa McKay encouraged members to enter the All Australian next year. "A great photo of a qualifying animal gives you the opportunity to compete again, without the cost and effort of physically going to a show. It's not as hard as you might think to enter. Some shows, like IDW, an animal can place 10th and qualify," Lisa said.

2018-19 Holstein/Semex All-Australian Finalists



Holstein
AUSTRALIA

6 YEARS & OVER



SEMEX



A HULLABALOO BOLTON SUNDAE 7282-ET
CLYDEVALE HOLSTEINS PTY LTD ATF DEE FAMILY TRUST, VIC
6th IDW



B BLUECHIP GOLDWYN FROSTY-IMP-ET
CRAWFORD FAMILY, NSW
5th IDW



C ELM BANKS SEAVER DONNA-ET
CHRIS & MARY GLEESON, VIC
2nd IDW



D PARDEE AFTERSHOCK TINDORA 3
OAKWOOD PARTNERSHIP, NSW
1st IDW



E CHAPPLE VALLEY DESTRY SUZANNE
J W JENNINGS, VIC
3rd IDW



F PARINGA BRAXTON PARRY
CHRIS & MARY GLEESON and A & S BARRON
1st IDW

2018-19 Holstein/Semex All-Australian Finalists



5 YEAR OLD



A GLENUNGA WIND BUTTERBROOK

J H & C J GARDINER, VIC
3rd Victorian Winter Fair, Bendigo



B AVONLEA DEMPSEY TAMMY

J H & C J GARDINER, VIC
4th IDW



C PARINGA FEVER OPA

CHRISTOPHER ALLEN, CC & J COCHRANE, ROSE PHILIPZEN,
STUART LOCKHART
1st Victorian Winter Fair, Bendigo



D ECLIPSE GOLDCHIP TIFFANY

CHRIS & MARY GLEESON, VIC
3rd IDW



E AVONLEA AFTERSHOCK REBA

J H & C J GARDINER, VIC
2nd IDW



F INSTYLE WINDHAMMER AUROMIE

INSTYLE HOLSTEINS
4th IDW

2018-19 Holstein/Semex All-Australian Finalists



4 YEAR OLD



A MURRIBROOK DOORMAN CANDACE-ET
DECLAN L PATTEN & CALLUM MOSCRIPT
1st Nowra Spring Fair, NSW



B AVONLEA REGINALD JACOBONIA
MATTHEW TEMPLETON & J H & C J GARDINER, VIC
2nd IDW



C BLUECHIP MH HERO MARION
DECLAN PATTEN, WESTMUIR HOLSTEINS, F & D BORBA
1st IDW



D HORIZON BRADNICK AMBROSIA 2-ET
CHRIS & MARY GLEESON, VIC
2nd IDW



E BRINDABELLA RAZOR MIDGE
JADE & SCOTT SIEBEN
7th Victorian Winter Fair, Bendigo



F FAIRVALE GOLDCHIP MELODY 770
CRAWFORD FAMILY, NSW
1st IDW

2018-19 Holstein/Semex All-Australian Finalists



3 YEAR OLD



A EAGLE RIDGE DREAMS PAULINE-TWIN
B & J GAVENLOCK, VIC
5th IDW



B WHITEGOLD ABSOLUTE SATIN-ET-RED
A RICHARDSON-HOUGH & M R ROOD, NSW
2nd IDW



C BEVANDALE SHAKESPEARE SALLY
BEVANDALE HOLSTEINS, QLD
3rd Malanda, FNQ



D YURUNGA SID MANDY
HV & VJ & JH GARDINER P/L & LGJ & KN MARSHALL
2nd Victorian Winter Fair, Bendigo



E BUDGERIE AA JODIE-ET-RED
J H & C J GARDINER, VIC
2nd Victorian Winter Fair, Bendigo



F MARIO PARK ATWOOD MIDAS-ET
MURRAY POLSON, NSW
1st Victorian Winter Fair, Bendigo

2018-19 Holstein/Semex All-Australian Finalists



Holstein
AUSTRALIA

2 YEAR OLD – IN MILK (OVER 30 MONTHS)



SEMEX



A ECLIPSE OCTANE PRINCESS 13-ET
DECLAN PATTEN, BRAD SALMON, CALLUM MOSCRIPT AND
AQUITY ICOWS
1st Victorian Winter Fair, Bendigo



B PARINGA BEEMER LILAH
COURTNEY BUCHANAN, VIC
6th IDW



C AVONLEA BRADY PORTRAIT 2ND-ET
J H & C J GARDINER, VIC
8th IDW



D ELM BANKS DOORMAN LULU
CHRIS & MARY GLEESON, VIC
3rd IDW



E AVONLEA GOLDEN FAITH-ET
J H & C J GARDINER, VIC
2nd IDW



F GORBROY ARCH RO KASSIE-ET
R K & J R GORDON, VIC
5th IDW

2018-19 Holstein/Semex All-Australian Finalists



Holstein
AUSTRALIA

2 YEAR OLD – IN MILK (30 MONTHS & UNDER)



SEMEX



A **BLUECHIP GOLDEN JEWELS-ET-MFF-CNF-DPF-XIF-BLF**
R L & T L WISHART, VIC
6th IDW Youth Show



B **MITCH SOLOMON KASSIE-ET**
MITCH HOLSTEINS, VIC
3rd Victorian Winter Fair, Bendigo



C **ELMAR SOLOMON JESSICA 2-ET**
ELMAR HOLSTEINS, VIC
1st IDW



D **ARRALLIK WINDBROOK MEG-ET**
CAMERON YARNOLD, NSW
1st Sydney Royal



E **GORBRO FEVATWOD TIFFANY**
R K & J R GORDON, VIC
1st Victorian Winter Fair, Bendigo



F **BLUECHIP EV SHESAAWESOME APPLE-ET-RED**
B & J GAVENLOCK, VIC
4th IDW

2018-19 Holstein/Semex All-Australian Finalists



SENIOR YEARLING DRY (OVER 15 MONTHS)



A LARA 1STCLASS MANDY 2
FERGUSON FARMS, VIC
4th IDW Youth Show



B CHERRYLOCK CHASSITYS INNOCENCE-IMP-ET
B & J GAVENLOCK, VIC
1st Sydney Royal



C MARIO PARK WALNUTLAWN MIDAS
MURRAY POLSON, NSW
1st IDW



D MARIO PARK SOLOMONS MIDAS
MURRAY POLSON, NSW
1st IDW



E PARINGA GOLDCHIP ALANNA
PARINGA HOLSTEINS, VIC
1st IDW Youth Show



F HAWOVA SOLOMON TAMIE
SHAW, CLARKE & SIEBEN
4th IDW

2018-19 Holstein/Semex All-Australian Finalists



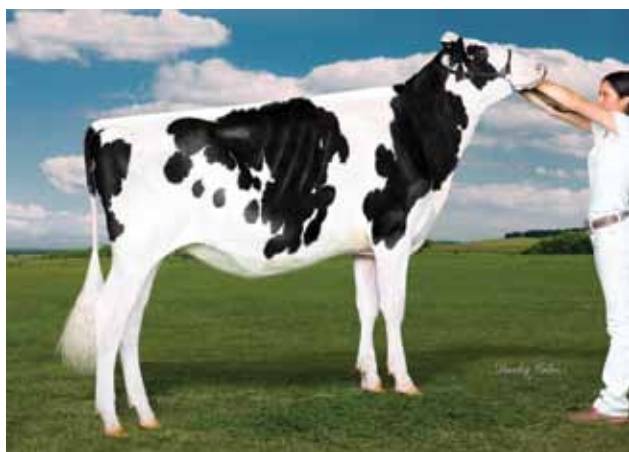
SENIOR YEARLING DRY (UNDER 15 MONTHS)



A AVONLEA JACOBY SARAH-ET
J H & C J GARDINER, VIC
1st IDW Youth Show



B BURN-BRAE SOLOMON PEACHY
A J & S D MACKIE, VIC
1st Korumburra Show



C HAWOVA SOLOMON TAMIE
SHAW, CLARKE & SIEBEN
2nd Victorian Winter Fair, Bendigo



D LIGHTNING RIDGE DBACK LIMELIGHT-IMP-ET
MAL R NIKORA, K BLEIJENDAAL AND R BAJADA, VIC
1st IDW



E BRINDABELLA JACOBY NANANOO
JADE & SCOTT SIEBEN
1st IDW Youth Show

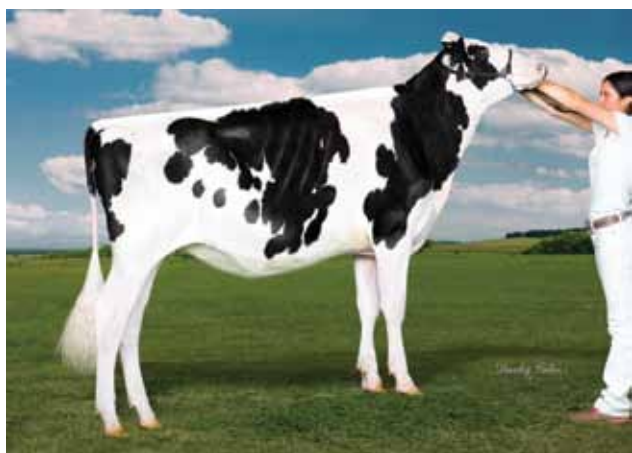


F VALA CRUSH HAILEE-ET-PF
CHRISTOPHER ALLEN AND JOSH & CALLUM KARN
1st IDW

2018-19 Holstein/Semex All-Australian Finalists



ALL-AUSTRALIAN HOLSTEIN YOUTH CALF



A HAWOVA SOLOMON TAMIE
SHAW, CLARKE & SIEBEN
2nd Victorian Winter Fair, Bendigo Handler: Georgia Sieben



B BURN-BRAE SOLOMON PEACHY
A J & S D MACKIE, VIC
1st Korumburra Show Handler: Scott Mackie



C GORBROY KING UNO TIFFANY-ET
R K & J R GORDON, VIC
1st IDW Handler: Lachie Malcolm



D GORBROY UNIXTOO TIFFANY-ET
T J & T M FLEMING
7th IDW Youth Show Handler: Toby Fleming



E COOMBOONA DIAMONDBACK SALT-I-IMP-ET
R K & J R GORDON, VIC
2nd IDW Handler: Kieran Coburn



F ELM BANKS UNIX BALLET
CHRIS & MARY GLEESON, VIC
4th IDW Handler: Stacey Gleeson



Holstein genetic health is robust

Three ABV releases a year creates a good opportunity to track trends in the genetic merit, genetic progress and health of the Holstein breed. The August release doesn't disappoint. Australian Holstein breeders are indeed spoiled for choice. The Holsteins offered on our market demonstrate robust genetic health and reflect the breed's global diversity. We have a modern list of sires of sons, accessing the best genetics from around the world.

And we have the tools to identify from that vast pool, the best genetics to suit our farming conditions. Australia's genetic evaluation system is not only independent of any commercial interests, it's underpinned by internationally-recognised scientific principles and a rich database of Australian performance records.

The Balanced Performance Index (BPI) has become the index of choice to measure the genetic merit of Australian and international-based sires. For those who like to delve deeper, DataGene publishes Australian Breeding Values (ABVs) for 40 traits covering production, type, health and management traits.

Whatever traits that best serve your breeding goals, there are Holstein bulls available to meet your needs. Trends in recent years have seen continued improvement in the BPI. 300 is the new 200! It used to be pretty common for farmers to have a minimum threshold of BPI 200 but now there are 263 bulls with a BPI of 300 or more. Gains in BPI have been driven by significant improvements in daughter fertility, mastitis resistance, overall type and survival. In the group of bulls with at least 300 BPI, the average Daughter Fertility ABV is 109. In recent years, genomic technologies have given Holstein breeders the ability to breed not just for efficient production, but also for improved animal health, welfare and a smaller environmental footprint, through ABVs for Heat Tolerance and Feed Saved and others under development.

Today, more than ever before, for profitable breeding programs you do not need to look past the Holstein.

Number of Holsteins in the Good Bulls Guide	Aug 2018	Aug 2019
Good Bulls*	1,059	1,398
Good Bulls with BPI at least 300	117	263
Good Bulls with at least 115 for Fertility	44	115
Good bulls at least 105 for Heat Tolerance	–	61
Good Bulls at least 110 for Feed Saved	67	81

* Holstein Good Bulls have been genomically tested and meet DataGene's minimum requirements for BPI and reliability and be available on the Australian market.



MAEBULL confirmed as Australia's best

The August ABV release has confirmed that Genetics Australia's Calister MAEBULL is Australia's best Holstein bull.

Now with 96% reliability for production and 129 milking daughters, this bull has a BPI of 323, making him Australia's number one daughter proven Holstein bull.

Genetics Australia CEO Anthony Shelly said MAEBULL was just about the perfect bull, offering all the traits demanded by today's farmers.

"Not only is he the number one bull on the Australian profit ranking BPI, his August ABV also ranks him in the top 1% of the breed for other key indices Health [HWI], Type [TWI] as well as Mastitis Resistance," Anthony said.

"His SCC ABV of 192 places him as the number 1 bull available for Somatic Cell ABV. When you add his Survival ABV and Daughter Fertility ABV, both in the top 5% of the breed, no other bull has such impressive credentials.

"His daughters are efficient converters of feed into production, with a positive ABV for the new traits of Feed Saved as well as Health Tolerance. He's also A22 and has a Calving Ease ABV of 103, making him suitable for use on maiden heifers."

Genetics Australia has recently returned from a large dairy expo in Tianjin China and appointed a Chinese distributor in 2018.

"MAEBULL has been our most popular bull in China, having sold both sexed and conventional semen to several large dairies,"

Anthony said. "We are very fortunate that MAEBULL has such excellent semen quality and is a good donor, as the demand for him will grow considerably in export markets based on what he offers. He is just the bull that is needed in China."

Anthony said demand for Australian genetics and heifers was quickly growing in China and its dairy industry was expanding at a considerable rate. "I encourage all farmers to seize the opportunity to produce surplus heifers and there is no better bull to use than MAEBULL," he added.

More information: Anthony Shelly, ashelly@genaust.com.au, 0408 529410



Calister MAEBULL



Semex sires continue to top lineups, offering top BPI, A2A2, Calving Ease and Immunity+®.

0200HO10777 Westcoast Perseus remains an elite BPI sire and Semex's #1 BPI at +369. He is also +178 ASI, +24kg Fat, +0.22%F, 23kg Protein, +0.32% Protein with +100 Overall Type, +104 Mammary and +114 Daughter Fertility. Backed by the respected Pine-Tree Martha Sheen family, Perseus is a Penmanship from a VG-88-CAN 4* Doorman with the next dam being a VG-87-USA Robust. This Genomax, Calving Ease, A2A2, Semexx™ sexed sire is hugely popular, being Semex's highest selling bull in conventional and gender sorted semen so far this year in Australia! Perseus will excel as a great calving ease sire at 4.7% as well as being +2.4 DPR and +2626 GTPI.

0200HO11385 Westcoast River, is a top-ranking new release BPI sire in Australia, he is +360 BPI, +0.17% Protein, +116 Daughter Fertility, +186 Cell Count, +102 Overall Type and +103 Mammary System. A Westcoast Guarantee son from a GP-84-2YR-CAN Montana dam, projected to produce over 11,000 litres on her 1st lactation, next is a GP Supershot followed by EX-90 CAN Numero Uno. At +2717 GTPI and a health and fertility specialist with +2.7 DPR, 2.48 SCS, +7.4 PL and 6.9% Calving Ease, making long-lasting, profitable cows. River is also a Genomax, A2A2 and GrazingPro™ sire, making him ideal for Australia. Offering the health benefits of Immunity+ this predominately black bull has smaller stature, high components and great health and fertility.

0200HO11284 Progenesis Powerhouse is a Genomax and RobotReady sire whose Jedi dam is a full sister to the popular Progenesis Padawan. Offering a strong BPI/TPI combination he is +349 BPI, +160 ASI, 0.22% Protein, +107 Daughter Fertility, +105 Overall Type and +109 Mammary System. A predicted udder specialist with +108 Udder Depth, +110 Rear Udder Height and +108 Centre Ligament. Powerhouse is a very complete sire at +2644 GTPI, with +2.06 PTAT, +2.51 UDC, +2.9 DPR, along with 2.59 SCS and +6.4 PL.

More information: www.semex.com.au



Westcoast River



Making better cows faster

ABS offers Sexcel™ sexed genetics to breeding programs, giving herds a greater opportunity to accelerate their genetic progress. "Using Sexcel™ sexed genetics is like pressing the accelerator of your car," ABS National Sales Manager, Paul Quinlan, said. Elite dairy sires from ABS are available sexed & conventionally, and offer a complete breeding solution that maximises farm profitability. Along with ABS' free genetic audit tool the best cows and heifers are identified to breed, which allows customers to breed lesser genetic progeny (cows and/or heifers) to the ABS Beef InFocus™ product line. Best of all, it's a tool that continually measures progress.

"ABS is a world leader in combined dairy and beef genetics," Paul said. "ABS Beef InFocus™ is the best and most trusted beef program with recognised elite growth rates, easy calving and high semen fertility."

29HO17458 Boghill Glamour PERSUADE is the current number one genomic sire in Australia and is only the second bull in Australia to pass 400 BPI at 404. Persuade also has elite Daughter Fertility at 116 and carries the A2A2 gene.

Persuade is a UK-based sire and his pedigree is a who's who of cow families with 5th dam Larcrest Cosmopolitan alongside other notable sires from the same family: Commander, Collude, Calumet, Cayle and Charley, the former #1 TPI sire in the world. The highest heterozygous polled sire 29HO18698 ABS JERONIMO P at 381 BPI is also the third highest Holstein genomic sire. In 2013, as ABS was investing in elite Holstein female genetics, Richmond-FD Tango July-ET was purchased, based on her genetic profile and cow family. She descends from the Coyne-Farms Ramos Jellyfamily in New York, a cow family known for healthy, fertile cows with moderate frame size and high components.

Bulls with the A2A2 and polled genes are popular choices with breeders. Elite homozygous polled (PP) sire 29HO18639 ABS JOPPOLO PP 311 BPI is the highest ranked PP sire in Australia with excellent Daughter Fertility 112, positive milk and components and a positive feed saved sire.

More information: abs.au.info@genusplc.com



Boghill Glamour PERSUADE



Advanced application of genomics

Total Livestock Genetics 'can do' attitude in implementing cost-effective genetic expansion strategies is being realised as we observe a number of excellent developments in our August 2019 bull team, based on their highly credentialled Australian Breeding Values.

Incorporating the advanced application of genomics, from a number of sources, as a support platform for our bull selection processes, and incorporating a focus on outcross pedigrees and A2 genotypes, we believe we offer an excellent choice of bulls that are standing here in Australia, are readily available, and are priced commercially to optimise your genetic purchase decision.

New release sires TLGAtticus, TLGAndreas, TLGNado and TLGBoom represents a selection from the TLG team that highlights our commitment in presenting genetic diversity which supports easy to make decisions to assist in the genetic development of your herd.

TLGAtticus (Bandares / Altaspring) - An A2A2 high fat test sire at 321 BPI, excellent fertility and survival, with outstanding type and udders.

TLGAndreas P (Yoda / Business Plan) - An A2A2 and single gene poll carrier at 285 BPI with exceptional fertility, excellent type and udders, and offers highly rated calving ease.

TLGNado (Quantum / Camaro) - A full brother to the former #1 Australian genomic BPI heifer, at 322 BPI he represents a smaller stature type sire with strong fertility and feed efficiency.

TLGBoom (1stclass / Supershot) - A popular early release sire, at 336 BPI, he includes high fat test, fertility, survival and high-quality udders.

More information: Contact TLG to discuss your herd genetic development options.



TLGBoom



ST Genetics welcomes first male calf

ST Genetics Australia s (STGA) has recently welcomed its first male calf born in Australia as part of its future Sire team for Australian dairy farmers.

The yet to be named calf 001 resulted from a flush done on Lightning Ridge Canto which ST purchased at IDW. Two doses of MALE SEXED 4 ML semen were used for the flush one of Redrock View Klutch (264 BPI) and one straw of ST Legend Sire Hurtgenlea Charl (207 BPI)

STGA hopes this young calf, the first of many, will test high enough in the Genetic Visions genomic test to enter its program. STGA appreciate the efforts of Jessica and Brad Gavenlock in managing and providing services for its program. STGA has a policy of strongly supporting the Australian index and have invested significant \$ and put together in Australia a commendable portfolio of high BPI Sires (see our latest catalogue) to service the market needs. STGA will be implanting significant numbers of Male Sexed Embryos derived from high indicator BPI dams and BPI sires from within the Australian, US, CDN and UK populations to ensure a sustainable ongoing future for the Australian indexes as well as continuing to compliment these with acquired BPI Sires from within the domestic population.

STGA is also at the forefront in delivering this product in innovative ways such as Sexed Ultra FRESH 4 ML semen at affordable prices for the Australian dairy farmer. It has also launched its Legend Sire program, which will provide within its framework significant \$ value return for Australian commercial dairy farmers and Holstein Australia members that breed high BPI animals , male and female sired by Legend Sires.

Kirk Andrews Fon Doo based at TLG Camperdown continues to make his mark in UK , EU , USA and Canada with several shipments of semen sent - this versatile sire (BPI 307) ranks high on several proof platforms and keeps Australia on the genetics notice board.

More information: (02) 60 404 373



ST Genetics 1st male calf born in Australia.



Balanced cows make profit

World Wide Sires, and its owners, Select Sires – North America's largest provider of genetics – is focused on making cows that suit all types of productions across the globe.

MOOKIE is a great example of today's balanced breeding for medium-sized cows, with outstanding udders that keep getting better with each lactation. Milk companies across the globe want components and he is the country's leading component sire, being 20 kg of combined solids clear of any other bull in the top 20 BPI sires. Today, breeders want more; they want cows that are easy to work with and fertile. MOOKIE at #2 BPI based on his Australian milking daughters is a clear leader in these areas. Still the most complete sire with Australian milking daughters you can find at the Top of the BPI list.

LATROBE is an outcross option to milking cows in Australia with extreme profit rankings of +381 BPI or #3 on the Genomic BPI list, he achieves such a high ranking based on his components, fertility and longevity rankings.

Other profit-focused sires in the range include FLAGSHIP a 1st Class brother to JEDI. FLAGSHIP has milking daughters across Australia – medium-framed cows with amazing udders, but high component milk, with extreme scores for fertility and cell count. Easily living up to his BPI of +316, FLASHIP will have an impact on the breed via his son CANDOR at +308 BPI.

SANDOR is another high component sire with great fertility scores, hailing from the H family at Cookiecutter Holsteins in New York, the same family as the current #1 TPI proven sire HELIX. At +0.16% Protein and +110 Daughter Fertility, he can be used with confidence to make your herd more profitable.

Polled genetics has become more popular in Australia, especially polled and A2, but people have been slow adopting concerned they might be missing out on type and balanced cows with dairy strength. DRASTIC P is the polled bull with a +299 BPI, massive components and survival ratings. DRASTIC_P sire Bandares has produced some of the highest-ranking females in Australia on both BPI & TPI.

More information: Tim Weller; tweller@wwsaustralia.com



SANDOR DAM Cookiecutter Mont Hadley-ET



New sire update

International Sire of Sons NACASH's performance in the August Holstein proofs across various evaluation systems has seen his global appeal continue to increase. This amazing Superhero son is perfectly balanced in all traits which has made him a must use sire for breeders and AI Studs all over the world. Standing in France, he has been heavily used throughout Europe and currently ranks amongst the top TPI sires in the USA and BPI sires in Australia as well as many other countries.

He offers breeders a unique combination of high production with good fertility and near faultless functional type with ample strength. His superb calving ease makes him easy to use on heifers to take their herd forward. NACASH is backed by 10 generations of VG and EX cows that have consistently transmitted high components. His Dam FUSTEAD RUBICON LAVON VG 86 produced 13,916kgs of milk in 305 days at 4.8% fat and 3.2% protein.

A few other new sires to the Agri-Gene line-up for Spring that feature amongst the leading BPI and TPI rankings include Duke son DOGE who is Agri-Gene's highest TPI sire at +2794 and also high on the BPI rankings at +320.

PLEXUS is Agri-Gene's leading BPI Sire at +364. He is a new Frazzled son who will sire moderate cows with strength and will feature excellent udders.

DOGE and PLEXUS offer excellent value for money for Spring Programs in Agri-Gene's new BPI Pack which also features popular Sire CHAIRMAN, who has been consistently producing many of the high BPIg heifers born in Australia this year. The BPI Pack also includes Australian Superhero son SUPERGLOW who is backed by a strong Australian cow family from Glomar. SUREROZ is another new all-round Sire who rates very well on both the USA and Australian systems. His BPI is +328 and he will improve Type, Health and Fertility.

For the Type orientated, a new Blondin Sire about to arrive in Australia is GOLDEN-OAKS MASTER. He is an incredible +4.31 for PTAT, +3.69 for UDC and 4's and 5's for Fore Udders and Rear Udder Height and Width.

More information: Contact info@agrigene.com.au, www.agrigene.com.au, or your local reseller.



NACASH



Maintaining top standards

The August 2019 ABV release confirms Alta's ability to provide high profitable animals for any management type.

AltaRABO | 011HO11379 | Mogul x Observer is an elite transmitter under Australian conditions. Now with more than 400 milk daughters for Production, AltaRABO places 4th for Australian proven bulls and ranks as the highest survival bull in the GBG Australian proven list. Excelling for Production, Type, Health and workability traits, AltaRABO is an easy to use bull. In the Australian proven list, AltaRABO is the #2 TWI bull and #3 HWI bull – proving his 'all rounder' status. Jet black daughters with reliable calving ease and A2A2 all add to his appeal.

AltaROBLE | 011HO11380 | Mogul x Observer x Shottle continues to add daughters and maintain his impressive Australian rating. With 150 milking daughters and 62 Type daughters, AltaROBLE falls short by two herds for workability to be included in the Australian proven list. With a BPI of 295, AltaROBLE would have been a clear #4 on BPI and the highest Mammary bull in the list at 113. Excelling for production, SCS, workability and Daughter Fertility; AltaROBLE is the #1 Survival bull in the breed and one of Alta's most popular sires.

Glen D Haven AltaHOTROD-ET | 011HO11493 | Jerod X AltaOTA X Goldwyn has 78 Australian milking daughters. Not only does he have a high BPI of 284 (equal to AltaRABO), he is the #1 Milk and Type bull in the top 100. On top of this, AltaHOTROD is also an improver for Daughter Fertility 104 and SCS 125. AltaHOTROD adds frame and is ideal for those farmers wanting to add Production, Type and Strength into their herd. AltaHOTROD is A2A2.

Newly proven international sires have performed well, with an Alta favourite Bomaz AltaTOPSHOT-ET | 011HO11779 | Supershot x AltaEMBASSY x Robust rocketing up the BPI(i) list. Reflecting his great improvements in the US (now ranking at #4 TPI dtr proven), AltaTOPSHOT made gains of 40 BPI points to 331 in Australia. Providing high yields, great fertility and health traits with moderate size, AltaTOPSHOT is the ideal modern sire.

On the genomic front Alta continue to deliver. Bulls that continue to maintain their great BPI status are AltaTBAY 348 (Charley x Silver) A2A2, AltaMOLINA 345 (AltaNIXER x Main Event), AltaAROLDIS 342 (AltaROBSON x Yoder) A2A2, AltaNIXIE 338 (AltaROBSON x Yoder) A2A2 AltaLEAP 331 (Quantum x AltaSPRING) A2A2 and AltaZONE 322 (Superhero x Silver) A2A2.

A new release for the Australian Advantage program AltaGLOW comes in at 388 BPI. This Fascinator x AltaTOPSHOT son will be made available exclusively to Advantage customers as semen becomes available.

More information: contact your local Alta Representative.

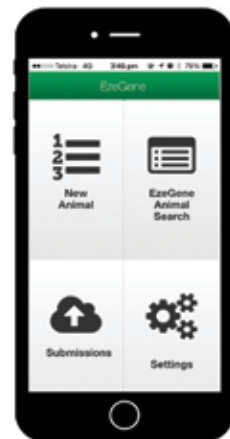


Daughters of the #14 ABV Proven sire Alta1stCLASS.

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Glenorleigh Holsteins



Award 1: 1978 – 1998
Award 2: 1998 – 2018

**Bill & Jo Thompson (Glenorleigh),
Allendale East, South Australia**

Information supplied by Jo Thompson

Bill left school in 1966, at not quite 16 years old, to dairy. He bought his first three registered cows in 1969. Studying some of the prominent Holstein herds at the time, he realised if he was going to stay in registered cattle, he needed quality animals.

Each year a goal was to have enough capital to buy a pedigree female. Bill has always believed in independent herd testing which started in April 1969. In November that year, Bill joined the HFAA. We still have the original welcome to the association letter signed by J.H. Glasscock for the princely annual fee of \$9.90.

Bill and Jo have run the farm, in the south-east corner of SA, with hired help. In the early days, we also ran 2000 wool sheep and a beef herd of about 50 cows. Bill was a gifted wool classer and heavily involved in his family's wool enterprise. By the late '80s, we moved out of sheep and cut back on the beef cattle, so our dairy enterprise could be given the time it deserved.

We developed a Holstein steer operation using bull calves from herd births not deemed suitable for sale as registered bulls.

Once our children were old enough, we became increasingly involved in the local South-East Sub-branch, attending and competing in Calf Days and the local Autumn Fairs. They also helped on the farm until they moved on to other ventures. Having decided we had no real talent ourselves in showing cattle, we were fortunate to have Robert Walmsley join our family in July 2009. This was a great joy to Bill as he found a kindred spirit who enjoyed Holstein cattle and could memorise pedigrees in the same way as Bill did. While being heavily involved in the day-to-day milking and running of the herd, Rob has a great talent in preparing and presenting cattle for competition.

Breeding goals: The ideal Glenorleigh

Farm facts

Farm size: 81 ha
Herd size: 200-230 milkers
Calving pattern: Spring / Autumn
Herd production:
Females bred: 1193
EX: 33F
VG: 345F, 13M
SBC: 35
STP: 25
Production awards: 253
Lifetime production awards: 45
Points required: 1193
Points earned: 1871



Bill and Jo Thompson.

cow had to be wide muzzled, capacious, dairy boned, have good teat placement, excellent rear udder height and good fore udder attachment. Feet and legs with correct heel depth and angle were a priority as the cows had to walk considerable distances to and from the dairy. Thurl position and pin width were also important considerations as they influenced reproductive function.

We always looked forward to classification tours as these were an opportunity to objectively gauge if we were meeting our breeding goals. Over the years we very much appreciated many frank discussions with a variety of classifiers. Sometimes I think the classifiers thought we were too harsh in our assessment of our own cattle,

but objectivity is the best tool in breeding cattle. We all love our Holsteins, but we thought it best to avoid 'prefix blindness' – just because an animal carried our prefix never made her perfect. There is always something to be corrected or modified to get the perfect cow.

Highlights: Any success in the show ring was great fun, the unexpected highlight was meeting a great number of fellow Holstein breeders from all over the country. Once experienced, Bill really enjoyed going off farm to judge many first round Semex-HFAA On Farm competitions culminating as Overjudge in 2010.

The Semex connections made during the competitions started a strong relationship, with business and pleasure overlapping discussing breeding strategies. David Fechner (Semex) persuaded Bill to flush Glenorleigh TL Lavinia EX-3E, a Townson Lindy daughter out of the Lass family, to Comestar Outside EX-95-1E. Of the three registered daughters two went EX.

Peter Dickson (Semex) regularly bought small groups of farmers from Western Victoria to visit and view the many daughters of Semex bulls in our herd over the years. This resulted in some of the most enjoyable times as we got the chance to meet some great people who have remained good friends today. The Semex connection continued in our association with Vaughn Johnston, who helped us with showing cattle when he had time. Vaughn led our first Champion Cow at the South East Autumn Fair.

We sold our dairy farm in April 2015 after a very short negotiation period. This meant we had no time to have a formal dispersal sale. Bill was able to find really great homes for our 'special' girls. We are indebted to these fellow Holstein breeders for the fine care they are giving the cattle they bought and their assistance by registering subsequent females so we could achieve our second Master Breeder award. Rob and Bec Walmsley milked some cows we hadn't sold, which also helped our qualification requirements.



Rob Walmsley, who became the Thompsons' right-hand man in 2009.

Bill and Jo are spending their time post dairying by developing a commercial Angus herd on their remaining 280ha. Our family has been expanded by the birth of our four grandsons – Harry, Nikolas, Hudson and Patrick.

Advice to young Holstein breeders:

- Always be objective about your own breeding.
- Be realistic about your own farm situation and breed accordingly.
- Use classification opportunities to assess your breeding goals.
- Trust your own judgement – listen to advice then make up your own mind.
- Try to identify the cows you admire in other herds and work out why you like them.
- Always buy the best breed sires and dams you can afford that fit your goals and situation not what is the most fashionable.
- Keep learning: nutrition, herd health, business planning, breeding cattle are huge fields with lots of information available.
- Look after yourself and the people around you – be kind and seek help before problems get too big.
- Take the time to get off farm and mix with other Holstein breeders.
- Try to find time to sit down annually to assess how your business is developing.



Glenorleigh Powerplay Shamrock Supreme Intermediate Dairy Cow Adelaide Royal Show.



Glenorleigh Dundee Piper – Grand Champion Dairy Cow Melbourne Royal 2011.



Pen of 3 Royal Adelaide: G.Powerplay Shamrock, G. Outside Marra and G.Dundee Piper with Vaughn Johnston, Peter Dickson, Kayla Bradley and Rob Walmsley.

Oakley Henry heading to UK

Oakley Henry from Wilara Holsteins in Gippsland Victoria is preparing to head off to the UK for the Holstein Australia Youth UK Exchange in September following the withdrawal of WA's Tahlia McSwain from the 2019 program.

Holstein Australia CEO, Graeme Gillan, says: "Unfortunately Tahlia has had to withdraw from the exchange for personal reasons, and all at Holstein Australia wish her and her family well.

"In Oakley we have a fantastic replacement, which really underlines the quality, strength and depth of candidates for the 2019 exchange. He is clearly focused on building a future in the dairy industry and is heavily involved with Wilara's successful breeding program. I'm sure Oakley's time in the UK, and the experience gained, will be a great next step in his young career."

Eighteen year old Oakley is a fourth generation dairy farmer. He is completing a Certificate III in Agriculture (Dairy Production) and has worked fulltime on the family farm since November 2017.

"I'm passionate about breeding the best quality cows that we can," says Oakley. "I'm really keen to look at the different breeding philosophies of UK farmers as well as building my own network with young breeders from overseas.

"The cows we strive to breed at home are profitable cows with high production, fertility, feed efficiency and good type. It will be interesting to see how this compares with the farms I visit in the UK, and what I can learn from the experience to benefit the Wilara breeding program.

"I'm very grateful for what is the opportunity of a lifetime and can't wait. At the same time, I feel for Tahlia and would like to send both her and her family my best wishes."

Beginning late September Oakley will spend a month travelling the length and breadth of the United Kingdom staying and working with Holstein UK members, and will also take part in UK's largest

dairy show, the South West Dairy Show in Somerset, and the All Breeds All Britain Calf Show in Cambridgeshire.

The Holstein Youth Exchange program is a joint initiative of Holstein Australia and Holstein UK and is now in its third year. Following Oakley's visit to the UK this September, a Holstein UK young breeder will spend January next year visiting Holstein Australia members in Victoria, South Australia and Western Australia, as well as attending International Dairy Week and taking part in the Youth Challenge event.

HJ

"I'm really keen to look at the different breeding philosophies of UK farmers as well as building my own network with young breeders from overseas."



Oakley Henry from Wilara Holsteins will travel to the UK in September.

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Rumen bugs: the key to tastier milk?

It's not just good breeding and tasty grass that produce good milk. Rumen microbes also influence milk flavour, and now researchers say they know which microbes lead to the best milk.

Scientists at the Ben-Gurion University of Negev, Israel and University of Aberdeen, UK collected microbial DNA and other information from more than 1000 Holstein and Norwegian Red cows on seven farms in the UK, Italy, Sweden and Finland. They were interested in finding out how microbes such as bacteria, protozoa and fungi affect milk quality and methane production.

Although each cow had a unique microbiome, half the animals had 512 microbial species in common. The analyses indicated that 39 core microbes are more powerful than genes in determining how tasty a cow's milk is, and how much methane it produces.

The researchers suggest it should be possible to optimise the abundance of these microbes through selective breeding. Another approach would be to inoculate calves with the key microbial species (for feed efficiency or methane emissions), similar to humans taking probiotics. Either way, the work has the potential to lead to a more environmentally friendly livestock industry.

References: Ben-Gurion University of Negev website, Science Magazine and Science Advances.



Recent research suggests selective breeding may have a role in optimising rumen microbes for tastier milk, improved feed efficiency and more environmentally efficient dairy cattle.

World Holstein Friesian Federation 2020 Tour

Time is running out to register for next year's Holstein Australia WHFF 2020 tour (23 March-15 April), which includes the full WHFF conference (24-28 March) in Montreux, Swiss National Holstein and Red Holstein Show and a 15-day tour through Italy, Austria and Germany.

Taking in Lake Como, Verona, Venice, the southern Tyrol, Munich, the Bavarian Alps, Salzburg and more, plus of course a farm visit or two, this is a trip not to be missed.

Contact: enquiry@holstein.com.au.

Holstein Australia Online Showcase Sale 2019

Save the date! Not making the journey to Inverloch for the 2019 National Awards Dinner and AGM in September? You can still take part in Holstein Australia's first ever online sale by logging in via computer, tablet or phone early afternoon on 18 September via elitelivestockauctions.com.au

Featuring 18 elite Australian-bred Holsteins, the online sale is expected to attract keen interest from buyers Australia wide.

To see the full list of animals in the sale visit dairylivestockservices.com.au or holstein.com.au to download a sale catalogue.

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Deadlines: Summer 2019 issue

Advertising bookings: Thursday 24 October

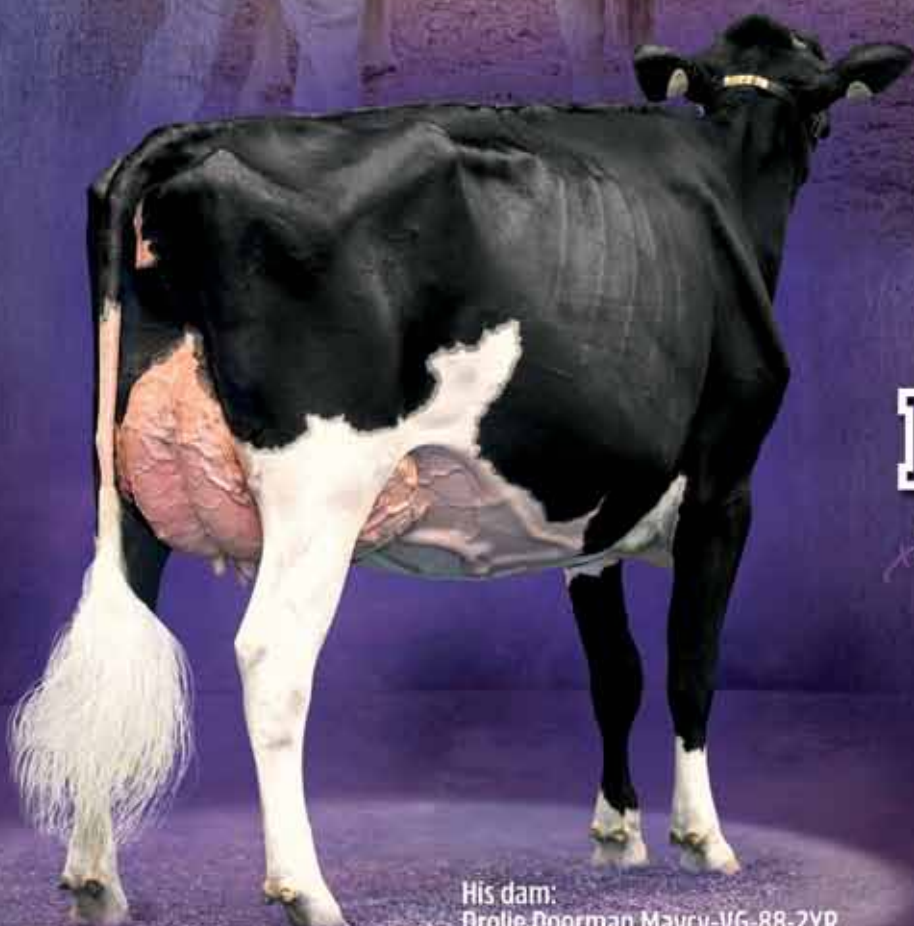
Advertising material (copy for layout): Thursday 24 October

Advertising material (finished artwork): Thursday 31 October

Editorial contributions: Thursday 31 October

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