



# Good Bulls Guide 2010 to 2012

*A report to Dairy Australia from the Australian Dairy Herd Improvement Scheme, December 2012*



# Good Bulls Guide 2010 to 2012

## Summary

This report provides an overview of the Good Bulls Guide and how it has been received by the dairy industry since its inception in early 2010.

The Good Bulls Guide is an initiative of the Australian Dairy Herd Improvement Scheme (ADHIS). It is a program of work that constitutes the main extension activity aiming to improve dairy farm productivity and profitability by increasing the use of semen with an above average Australian Profit Ranking (APR).

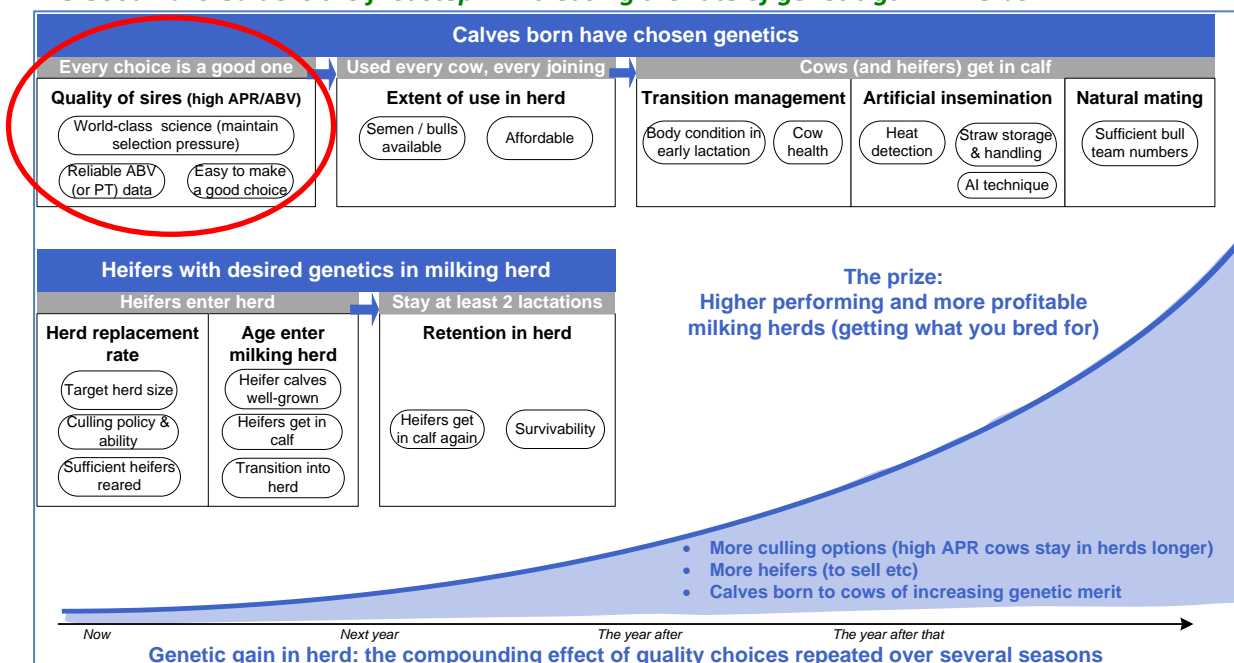
Increasing genetic merit requires action across the genetic supply chain: choosing which animals to breed from, getting the cows in-calf, rearing the calves as heifer replacements and having them stay in the herd. The Good Bulls Guide is the first step in this chain, making sure “every choice is a good one”.

A lot of effort has been put into designing a way of making it *easy* for farmers to make a good choice. Farmers that use bulls from the Good Bulls Guide are automatically selecting those that perform profitably in Australian farming systems even when making breeding choices to improve production, type or workability of the herd.

Farmers’ decisions about which bulls to use are strongly influenced by those selling the semen - the bull companies, semen resellers and herd improvement organisations. It was therefore very important that these businesses recommend bulls from the Good Bulls Guide to achieve the desired reach to farmers.

This pathway to change was so central to success that it became the aspirational goal of the project: that 95% of bulls marketed by wholesalers and retailers are on the current year’s Good Bulls Guide by 2013.

### The Good Bulls Guide is the first step in increasing the rate of genetic gain in herds





More than any other initiative of ADHIS, the Good Bulls Guide has been comfortably used by industry and commercial organisations to meet their own organisation objectives. This means that they have promoted a much wider reach to farmers than could have been achieved by ADHIS staff alone. Its design, commercial independence and strong science means that people can advocate its use without feeling pressured to become a genetics guru.

Activities have been required on many fronts to get the Good Bulls Guide up and running. A project logic was developed to provide a high level summary of the planned approach and the intended outcomes- see, 'Good Bulls Guide program on a page' (page 4). In short:

- To achieve the outcome of distributing the guide every April and August (so farmers can easily choose good bulls), the content had to be developed and the brand had to be established.
- For resellers to set up bull teams and catalogues based on the guide each April, the value proposition for bull companies and resellers to use the guide had to be established and an icon needed to be designed for these businesses to use.
- To maintain the reputation and practicability of the guide, ADHIS needed to incorporate the ABV(g), broker industry messages on issues affecting genetic gain and be highly responsive to any industry concerns.
- To have other dairy advisers (those who didn't sell semen) aware and positive about Good Bulls Guide, ADHIS needed to run awareness sessions and work with other dairy industry programs to integrate the extension messages.

More detailed information is provided on some of the project elements in the next section (page 6).

In summary, the outcomes of this program of work to 2012 have been:

- The first edition of the Good Bulls Guide was published in August 2010.
- Five editions have been published and sent to all Australian dairy farmers (page 5).
- Publication of Australian Breeding Values (ABVs) in this format is now widely accepted by industry stakeholders.
- The guide has become recognised and established in the marketplace.
- The number of Holstein bulls eligible for inclusion in the Good Bulls Guide has doubled over 2 years (a corollary to the increase in genomic testing).
- The catalogues of all Artificial Breeding centres currently include bulls from the Good Bulls Guide – with 72% of all bulls in the 2012 catalogues being in the guide.
- The guide has evolved and responded to industry developments.
- The guide has been used to engage service providers who are not directly involved in the genetics industry in advocating good genetics choices with their farmer clients.
- A new tool, the Genetic Progress Report has been developed to help farmers to track the genetic progress their herd in key traits. One of the summary indicators in the report (the proportion of cows with sires in the Good Bulls Guide), provides a clear link between semen choices and genetic improvement for performance in Australian farming systems and conditions.
- A research project *Feeding the Genes* has been initiated to demonstrate the relationship between genetic merit and the different types of feeding systems used in Australia. This is in response to concern by nutritionists and other advisers that 'most cows are not being fed to their genetic potential'.

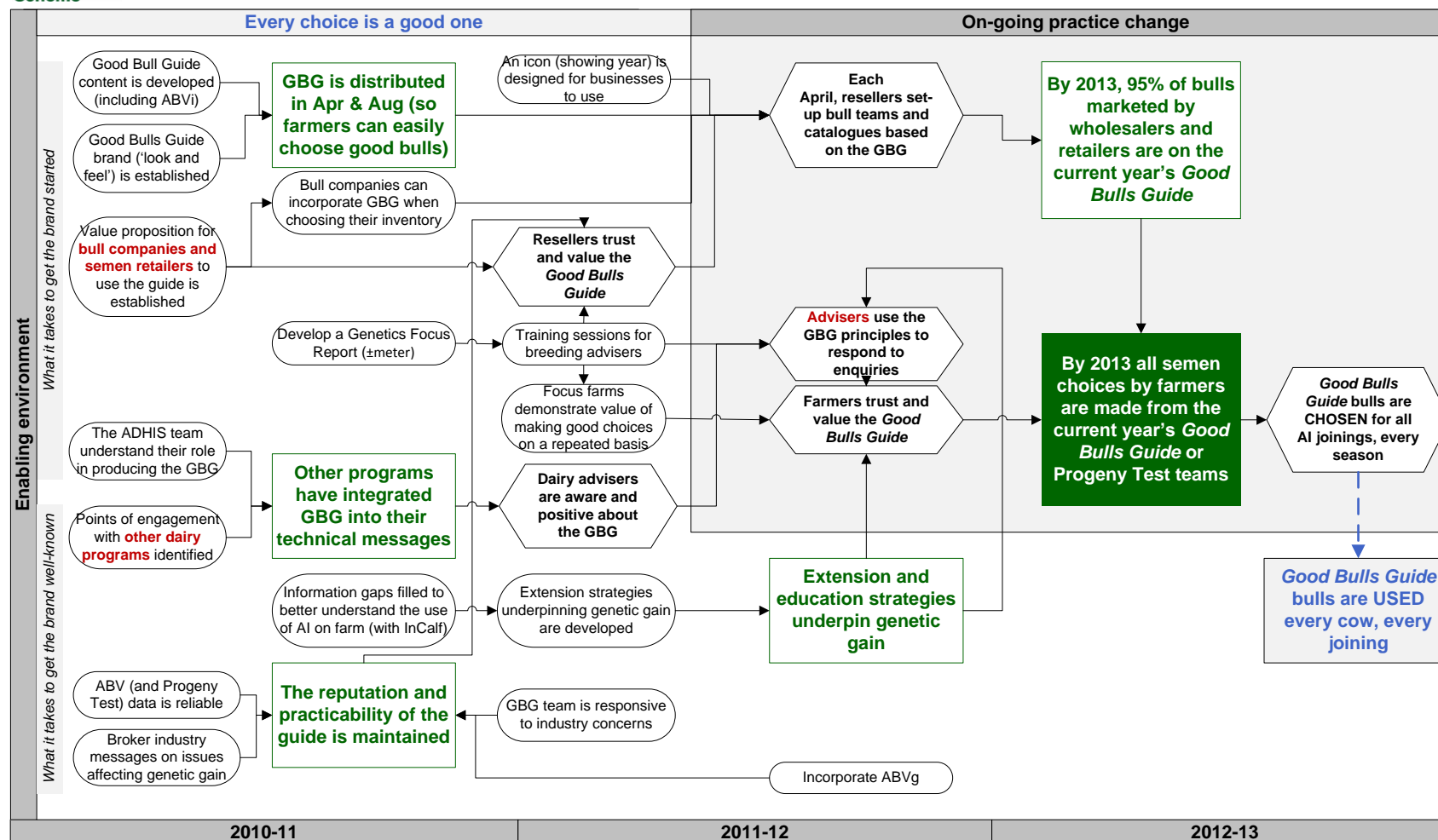
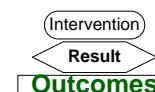
The plan for the next three years is currently being developed. It will be important to explore opportunities to tighten the criteria for bull listing and to develop methods to increase the accessibility of the list for farmers, for example by smart phone applications. It is also a priority to explore ways of encouraging companies with a high proportion of overseas bulls and genomic bulls to promote bulls from the guide.



# Good Bulls Guide program on a page

Promoting the use of high ranked APR/ABV semen through bull companies and semen resellers

23 June 2010





**The five editions of the Good Bulls Guide have been widely distributed to farmers and bull companies**

Edition	August 2010	April 2011	August 2011	April 2012	August 2012
					
<b>Copies printed</b>	<b>16,000</b>	<b>15,700</b>	<b>12,300</b>	<b>12,500</b>	<b>12,000</b>
<b>Number to farmers</b>	<b>13,000</b>	<b>13,500</b>	<b>7,547</b>	<b>7,338</b>	<b>7,318</b>
<b>Distribution method</b>	<b>The Australian Dairyfarmer magazine PDF &amp; Excel file (ADHIS website)</b>	<b>The Australian Dairyfarmer magazine PDF &amp; Excel file (ADHIS website)</b>	<b>Direct mail PDF &amp; Excel file (ADHIS website)</b>	<b>Direct mail PDF &amp; Excel file (ADHIS website)</b>	<b>Direct mail PDF &amp; Excel file (ADHIS website)</b>
<b>Copies to advisers</b>		<b>647</b>	<b>2,456</b>	<b>2,867</b>	<b>3,476</b>
<b>Comments</b>	<ul style="list-style-type: none"> <li>*The First edition – print and PDF versions</li> <li>*Full listing available on the ADHIS website as a MS Excel file</li> <li>*Links to the guide were featured on the Dairy Australia website and in several other bulletins (UDV, InCalf Adviser Bulletin, Genemail, ADF update, etc)</li> </ul>	Addition of: <ul style="list-style-type: none"> <li>*Australian proven profit list for Holstein, Jersey, Red Breeds</li> <li>*Australian genomics profit list for Holstein</li> <li>*Overall Type and Mammary system to some tables</li> </ul>	An Australian only edition was produced for domestic companies wishing to promote Australian proven bulls overseas. It was posted to the ADHIS website and limited copies printed.	Changes included: <ul style="list-style-type: none"> <li>*Moving the Australian Profit / Proven Australia list forward</li> <li>*Increasing Holstein ABV(g) bulls from 12 to 20</li> <li>*Adding Daughter Fertility ABV data to the ABV(g) list</li> </ul>	Addition of: <ul style="list-style-type: none"> <li>*Australian genomics profit list for Jersey</li> </ul>

## Project elements in more detail

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## **Program governance**

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The Good Bulls Guide program of work is under the provenance of ADHIS Extension and Education Leadership Group, which receives strategic direction from the ADHIS Board. A working group of the Board, the Extension and Education Leadership Group, is comprised of three farmer Board members who are intimately involved in the Guide's detail and report and provide recommendations to the Board.

ADHIS has responded to feedback received through a number of different channels and made continuous improvements since the first edition:

- The Industry Technical Group is comprised of representatives from the bull companies, breed societies, National Herd Improvement Association, and CRC. This group provides regular input to ADHIS development activities, including the Good Bulls Guide.
- ADHIS annual stakeholder meeting is attended by semen resellers, bull companies, herd test centres, extension and education professionals and industry personnel and discusses latest developments. The Good Bulls Guide was considered by this group in 2010 and 2012 (no meeting in 2011).
- The genomics communication group is made up of organisations interested in genomic breeding values who meet to discuss the communication needs around genomics. Genomics is delivered through the Good Bulls Guide so this group comments on its design and distribution.

## Industry briefings

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The ADHIS Education and Extension team has worked hard to keep organisations and industry programs engaged with the concept of the Good Bulls Guide and up-to-date with developments. There have been a variety of briefing sessions and presentations.

The Good Bulls Guide was officially launched by Australian Dairy Farmers President Wes Judd at the 2010 Australian Dairy Industry Council Breakfast. Attendees at the breakfast received a USB flash drive pre-loaded with the Good Bulls Guide electronic files.

For the initial launch in Spring 2010 and in Autumn 2011, presentations were made at:

- Dairy Futures CRC launch
- Australian Dairy Farmers Board Meeting
- Dairy Australia Board Meeting
- Holstein Australia Board Meeting
- Jersey Australia Annual General Meeting
- National Herd Improvement Association Members Forum
- Queensland Dairyfarmers' Organisation Conference
- Dairy Discovery (WA)
- TasDairy Board meeting
- WestVic Dairy Annual General Meeting
- Young Dairy Development Program activities in Gippsland
- Dairy Extension Centre internal staff communications
- Herd11 & Herd 12 conferences
- ADHIS Stakeholder Meeting in 2010
- ADHIS Industry Technical Meetings (two in 2011 and one in 2012)
- One-on-one conversations between bull company managers, Dairy Australia and ADHIS

Alongside the development of the technical and design elements of the Good Bulls Guide, an advocacy strategy was established which identified senior people in partner organisations<sup>1</sup> who could use their existing networks to promote the Good Bulls Guide to particular groups of semen sellers and/or farmers and provide feedback on these discussions to the project team. They were asked to provide the 'eyes and ears' of the project between July 2010 (first publication) and November 2010 (industry launch at the ADIC Breakfast).

ADHIS supported their role by providing relevant materials and 'talking points' prepared for each individual considering the context in which the Good Bulls Guide would fit with their work. These specified the key messages they could use to support the Guide and ideas about how they could promote it within their sphere of influence. The talking points were clear in asking for overt, sustained and strong support for the Guide.

This advocacy strategy was very effective, with all participants agreeing and engaging their networks, and many of them joining regular teleconferences or using fax-back sheets to provide quick feedback on conversations.

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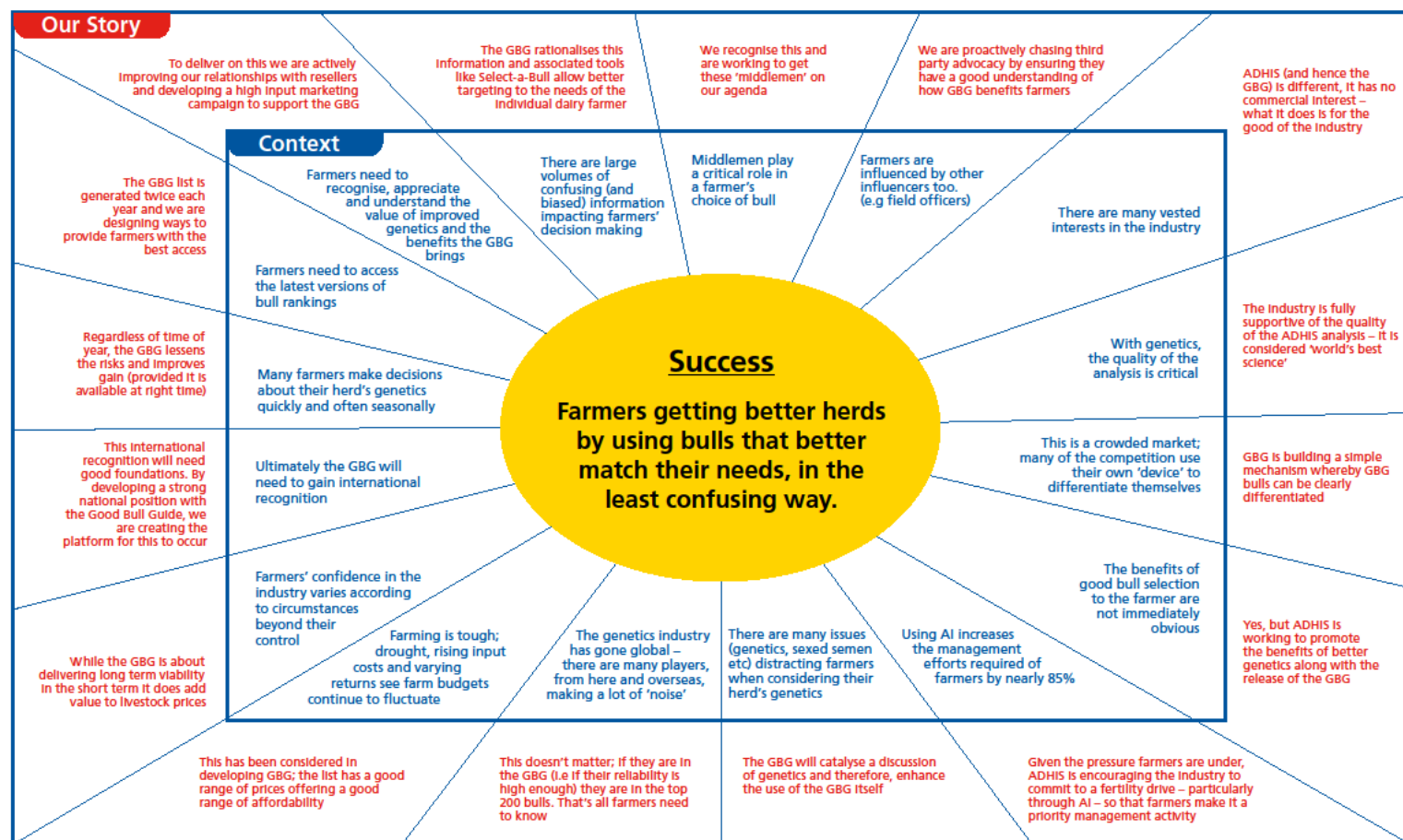
<sup>1</sup> Advocates included: Mick Blake (Dairy Australia), Matt Shaffer (Holstein Australia), Peter Thurn (Genetics Australia), Stewart McRae (HICO), Wes Judd (ADF), David Nation (CRC), Ian Carkeek and Bec Dickson (NCDEA), Carol Millar (NHIA), Barry Zimmermann (InCalf), Jo Crosby (DPIV).





*The fit of the guide within industry was considered at the beginning of the initiative and this laid a solid foundation for future communication*

## Good Bulls Guide Compelling Story.



Better thinking. Better solutions. **Primary.**



## Creating the brand

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➤ The Good Bulls Guide brand (“look and feel”) is established

The semen/genetics industry in Australia is commercially complex and competitive. At the outset, it was important that ADHIS develop a strong brand for the Good Bulls Guide that would hold its own in an already crowded brand and icon sector.

The Good Bulls Guide brand stands for high performing bulls, good science, independent assessment and Australia.

*The logo and icon were developed for use resellers and bull companies to use in their businesses*



Use of the Good Bulls Guide logo has been widespread and it is now recognised as a strong independent endorsement of performing bulls and routinely appears in bull catalogues. Other examples of its use include the Genetic Australia website and AgriGene promotional posters at the 2012 International Dairy Week.



### Examples of the use of the Good Bulls Guide logo by bull companies

**Outstanding type, top production, outcross pedigree**

- In the ADHIS Top 1% for APR, Type and Mammary
- Breed leader for Udders with outstanding rear udders
- A graduate from the 2009 Genomic INFORMER pack
- Huge demand – order early
- Ideal profile for Australia farming systems

**APR 219** Rel 76%

**ADHIS APR RANKING #14**

**Top 1% APR, TYPE and UDDERS**

**MEDALLION**  
Bundalong Marks Medallion

INFORMER x Knockout  
Sire: Hill Valley Bessar Acme

TYPE: 116

33 dtrs 23 herds Rel 69%

Good Bulls Guide logo circled in red.

Genetics Australia  
catalogue, Sep-011

CRV catalogue,  
Apr-2012

**DELTA CANVAS** RRP \$16

NASIS: 90FFW14

**NLDCANVAS**

SPARTA x  
CLECIUS x  
FARI'S WAYNE

ABV/04/2012

APR	192 ASI	206
MILK	1352 REL%	96
PROT	37 PROT %	0.01
FAT	40 FAT %	-0.25

**WORKABILITY & HEALTH TRAITS**

M.S	102 MAMMARY	99
TEMP	101 SCS	76
OVERALL TYPE	95 DAU FERT	92
C.E	104 SURVIVAL	102

Good Bulls Guide logo circled in red.

Phone: 1800 039 047

**Genetics AUSTRALIA**

Australia's leader in dairy and beef genetic improvement

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Using Genomic sires is a no brainer!

Steve & Jackie Mills  
Rochester VIC

Find out more about the 2012 FutureGen Genomic Sires Team

**Progeny Testing**

Genetics Australia's HORIZON progeny test program dramatically improves the accuracy of predicting bull performance. It gives dairy farmers far greater confidence that PT bulls will perform well. The introduction of genetic marker technology in the selection of the progeny test teams since 2007 provide benefits to dairy farmers that...

**Services**

Genetics Australia is committed to the profitability of dairy farmers and the dairy industry through the development of Australian proven genetics.

- Artificial Insemination
- Herd Testing
- Genescreen
- Pregnancy Testing
- Dehorning
- Freeze Branding

**Our Merchandise**

Our secure online store offers a convenient way to browse and purchase our complete range of merchandise. Offering a diverse range, we aim to cover all your breeding requirements. Select a category to start shopping!

Select a category

**Latest News & Events**

Make sure you get the latest news from Genetics Australia by subscribing to our eNews.

**BUDDHA leads the charge of new bulls from Genetics Australia**

Media Release April 11th 2012  
Genetics Australia has added 5 new Holsteins and one Aussie Red to...

Good Bulls Guide logo circled in red.

Genetics Australia  
homepage, May-2012

Note some bull companies are marketing Good Bulls Guide bulls without using the logo. It seems they refer only to the print version of the guide to check whether the bull has qualified rather than the full list or on Displayabull.



## About the guide

- The Good Bulls Guide is distributed in April and August (so farmers can easily choose good bulls)
- The reputation and practicability of the guide is maintained

The Good Bulls Guide is a listing of active bulls that have an Australian Profit Ranking higher than the population average. It includes information for Holstein, Jersey, Red Breeds Group, Guernsey and Brown Swiss breeds.

By using the guide, farmers are automatically selecting bulls to perform profitably in Australian farming systems even when making choices to specifically improve production, type or workability of the herd.

The Good Bulls Guide was developed in early 2010 and is one of ADHIS's core extension resources along with Selectabull, Displayabull<sup>2</sup> and the Genetic Progress Report.

A new edition is distributed April and August each year.

Bulls are included in the guide when they:

- Are 'Active' - bulls that are available and actively marketed in Australia. They must be alive and producing viable semen or have at least 1000 doses of semen in storage for Holstein and 500 doses of semen in storage for other breeds.
- Have an Australian Profit Ranking more than 1 standard deviation above the population average
- Meet the publishable reliability requirements.

ADHIS lists the results for all eligible bulls in a spreadsheet on the ADHIS website. Shorter lists of the top bulls in each breeding objective area are published in the print version of the Good Bulls Guide.

### *The number of Holstein bulls eligible for the Good Bulls Guide is increasing*

**Holstein AI Bull Summary**

	August 2010	August 2011	August 2012
Bulls eligible for Good Bulls Guide*	317	450	743
Bulls in the print version of the guide	150	162	258
Total bulls marketed in sire catalogues	254	262	305
Bulls marketed in sire catalogues from the Good Bulls Guide	141 (56%)	148 (56%)	238 (78%)

*\*As listed in the full MS excel listing available on the ADHIS website. Addition of genomic bulls has greatly increased the number of eligible bulls from 2010 to 2012*

<sup>2</sup> Prior to the publication of the Good Bulls Guide there were two online tools which ADHIS had available for finding detailed information about individual bulls (Displayabull), or selecting bulls for particular breeding objectives (Selectabull). These have now both been up-dated to reflect the Good Bulls Guide: Displayabull includes the Good Bulls Guide logo on all appropriate bulls; and Selectabull was re-programmed to be consistent with the Good Bulls Guide (old lists removed, new lists added, and logo appears).



To facilitate the development of the guide, macros were written to enable production of media, print and web versions.

A web-based tool was developed so semen companies could update a bull's active status quickly. This was absolutely critical so that ADHIS could produce a much more complicated listing (the guide includes many tables) in the same time frame as the simple top bulls list that had previously been published by ADHIS.

With a commitment to continuous improvement, each edition of the Good Bulls Guide has had changes which were the result of feedback from users or availability of new technology. These include:

- Providing an Australian bull profit list for Holstein, Jersey and Red Breeds
- Including overall Type and Mammary system to some lists
- Changing the order of lists
- Providing Australian genomics profit lists for Holstein, and later Jersey
- Increasing Holstein ABV(g) bulls from 12 to 20
- Adding Daughter Fertility ABV data to the ABV(g) list
- Producing an 'Australian bulls only' edition for domestic companies wishing to promote Australian proven bulls overseas.

The print version of the most recent edition of the Good Bulls Guide (2012 August) is appended to this report.





## Uptake by bull companies and semen resellers

- Resellers trust and value the Good Bulls Guide
- Each April, resellers set-up bull teams and catalogues based on the Good Bulls Guide
- By 2013, 95% of bulls marketed by wholesalers and retailers are on the current year's Good Bulls Guide

The Good Bulls Guide is published twice yearly: April for autumn-calving herds then August for spring-calving herds. The April list is the most significant one for bull companies as it is when they set-up their main bull teams. Two releases and two sales cycles give retailers time and opportunity to incorporate the results into their catalogue.

Following the release of the first edition of the guide, ADHIS has connected multiple times with the bull companies and resellers to get their feedback on its utility and ideas for increasing its value to their business.

Bull companies are now regularly using the brand to promote their performing bulls:

*"In the recent April issue of the Good Bulls Guide, nine of the Top 10 Red Breeds bulls are available from Genetics Australia....."*  
 - Excerpt from Genetics Matter May 2012

*"ABS Australia now has 88 sires featured in The Good Bulls Guide."*  
 – ABS editorial in Australian Dairyfarmer magazine May-June 2012

*"When we get a bull in the Good Bulls Guide, we see an increase in interest for the bull" - Anna Norgren, Viking, 20 Nov 2011*

### Local and International Bull Companies are supportive of the guide



news release – August 30, 2010

**Good Bulls Guide gets the thumbs up**

The freshly released "Good Bulls Guide" has been given the thumbs up for its practical application and relevance to Australian dairy producers by SEMEX's general manager Jim Conroy.

ADHIS (Australian Dairy Herd Improvement Scheme) compiled the list, which will be released twice a year, after completing a research survey in semen usage by Australian dairymen\*\*. It has ranked bulls (both Australian proven and available international sires) by common breeding objectives – mastitis resistance, longevity, type, reliability, production (ASI) and profit (APR).

Mr Conroy said that a shift from a focus on a single number-based APR selection to a guide that focuses more on traits that breeders use to select their bulls, longevity (survival) rather than profit (APR) makes sense.

"Whilst very few breeders ask their semen rep specifically for the survival rating of any particular sire, they do this indirectly by making their buying decisions based around the best bulls for udder traits, temperament, structural soundness and all those traits that help to keep a cow in the herd for many lactations," Mr Conroy said.

"Industry pressures over the past 20 years because of deregulation, drought, poor milk prices and heifer export demand, has left very few breeders with the option to cull seriously based around production alone."



An ADHIS review of bull catalogues published in 2012 has shown a high degree of alignment with the Good Bulls Guide. Overall 72% of bulls featured in catalogues in 2012 were in the Good Bulls Guide. Pleasingly most of the Australian Proven bulls marketed by the bulls companies were in the guide.

### 72% of all bulls in the 2012 catalogues were in the Good Bulls Guide

	Good Bulls Guide bulls in the 2012 Sire Catalogues					
	Holstein		Jersey		Total	
	Bulls	% in Good Bulls Guide	Bulls	% in Good Bulls Guide	Bulls	% in Good Bulls Guide
Australian Bulls ABV	28	96%	13	92%	41	95%
Overseas Bulls ABV(i)	228	80%	61	49%	289	73%
Genomic-tested Bulls ABV(g)	49	59%	15	27%	64	51%
<b>Total</b>	<b>305</b>	<b>78%</b>	<b>89</b>	<b>52%</b>	<b>394</b>	<b>72%</b>

The proportion of Jersey bulls in the Good Bulls Guide is well below that for Holsteins. In the Jersey breed, finding diverse pedigrees can be challenging for breeders. Semen sellers are aware that outcross pedigrees are particularly popular and actively seek these from a range of countries, regardless of their genetic merit for profit.

65% of the semen doses used in Australia are from overseas. Semen from overseas sires are sold by the internationally-owned bull companies in Australia and they are often marketed with the proof of their country of origin rather than an ABV(i). For the Australian dairy industry to achieve the desired rate of genetic gain, it will be important that these companies incorporate ABV(i) or ABV(g) into the criteria for choosing which bulls to market in Australia.

Furthermore, young bulls who have an overseas genomic breeding value tend not to be submitted for recalculation of an ABV(g). The largest proportion of bulls sold that aren't in the Good Bulls Guide are young bulls from overseas that have been genomically selected for GLPI (Canada) or TPI (USA).

### The extent of alignment with the Good Bulls Guide varies between companies

	Good Bulls Guide bulls in the 2012 Sire Catalogues			
	Holstein		Jersey	
	Bulls	% in Good Bulls Guide	Bulls	% in Good Bulls Guide
ABS	67	81%	9	56%
Agri-Gene	25	88%	11	36%
Alta Genetics	25	72%	11	45%
CRV	57	79%	15	87%
Genetics Australia	41	100%	10	70%
LIC	31	71%	8	63%
Semex	47	55%	15	7%
Viking	12	83%	9	67%

*\*This includes Australian Proven=ABV, Overseas=ABV(i) and Genomic-tested Bulls=ABV(g)*

Plans to fully integrate the Good Bulls Guide will need to be tailored for each bull company as each organisation has its own commercial interests and issues to overcome. ADHIS has maintained a high level of contact with bull companies and semen sellers and the Good Bulls Guide continues to receive the positive feedback and support from a broad range of individuals and organisations although use of 'country of origin' proofs remain a point of disagreement. GenTest is a recently released project to increase the number of young bulls genomically tested in Australia. Subsidised testing is offered to bull companies that have genotyped some bulls in 2011.



## Adviser awareness

- Dairy advisers are aware and positive about the Good Bulls Guide
- Advisers use the Good Bulls Guide principles to respond to enquiries

Farmers make decisions about herd replacements and breeding priorities based on input from a range of people. It is therefore important that dairy advisers know of the Good Bulls Guide and are confident to recommend that farmers select bulls from the Good Bulls Guide or Progeny Test teams.

As a first step in determining what tools or messages may help improve the advice given to dairy farmers, ADHIS commissioned the Harris Park Group to conduct an online survey of service providers. The aim was to assess advisers' attitudes and beliefs around genetics and Artificial Insemination.

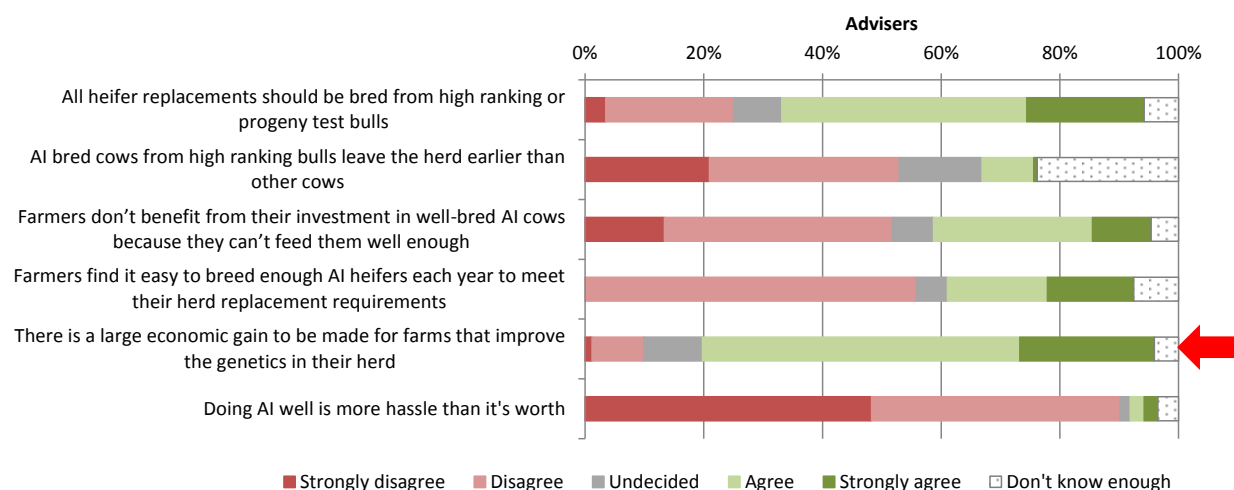
189 of 850 advisers responded to the survey in April 2011 (a 22% response rate). Respondents were from all dairying regions and a range of disciplines including veterinarians, farm consultants, dairy company field staff, nutritionists and state government extension staff.

Overall, this group was positive about the role of genetics on dairy farms:

- 76% believed there is a large economic gain to be made for farms that improve the genetics in their herd.
- 61% thought all heifer replacements should be bred from high ranking or progeny test bulls (14% didn't know enough to say or were undecided).

However respondents were concerned about the impact of feeding on farmers' ability to capitalise on genetic gain and many believed farmers are finding it increasingly difficult to breed enough AI heifer replacements.

**76% of advisers believed there are large economic gains to be made for farms that improve the genetics of their herd**

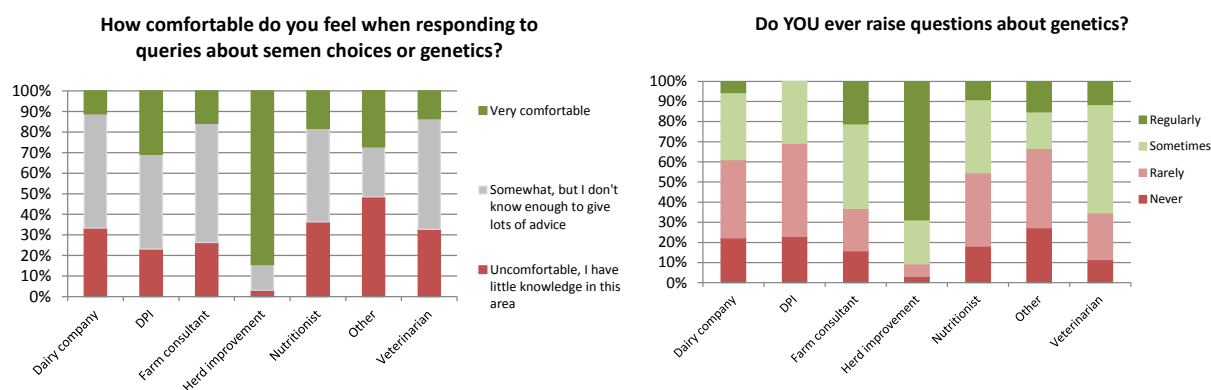


Yet only 30% of advisers were very comfortable in responding to queries about semen choices or genetics – and half of these are from herd improvement organisations.



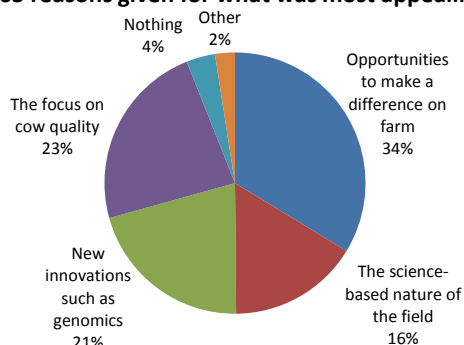


### Most advisers were not very comfortable responding to queries about semen choices or genetics

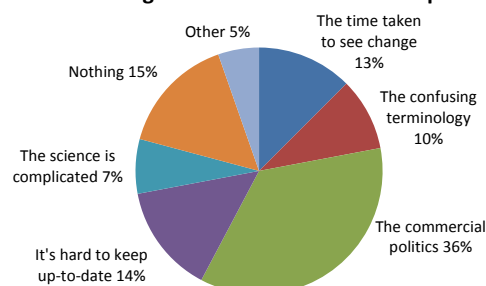


### Opportunities to make a difference on farm appealed to many advisers about genetics - while many found the commercial politics in the field of genetics off-putting

365 reasons given for what was most appealing



260 reasons given for what was most off-putting



A broad range of advisory disciplines have the potential to engage positively with their farmer clients about semen selection via the Good Bulls Guide. Advisers had not had wide exposure to the Good Bulls Guide at the time of the survey in April 2011: 22% of respondents had seen it and 34% had heard of it - but 44% knew nothing about it. Following this survey, ADHIS started regular mail-outs to ensure the 3000+ advisers and industry stakeholders receive their own copy with every release.

In late 2011 the Department of Primary Industries Dairy Branch held a series of 10 update sessions for advisers on "What's new with fertility?" as part of the Driving Innovation in the Dairy Industry project. InCalf and ADHIS presented at each of these sessions and talked about the Good Bulls Guide and development of the Genetics Progress Report. 122 advisers attended the sessions in Warrnambool, Cobden, Shepparton, Lardner and Maffra.

By December 2011 a survey of 82 advisers in Victoria showed 81% of advisers had heard of the Good Bulls Guide and 29% had used it. A strategy to further engage advisers would help improve the advisers' level of understanding and confidence to act in this area. ADHIS is now planning for this engagement to happen through their area of work or interest, specifically feeding and fertility. For example, interaction with Feed2Milk and InCalf is likely to provide content and contexting and some opportunities to deliver these messages.

The *Feeding the Genes* project has been initiated to provide nutritionists and other advisers with information about the relationship between genetic merit and the different types of feeding systems in Australia (see section on *Feeding the Genes* below).

The project team also believes that ways of enabling quick and tailored access to the most current Good Bulls Guide listing for advisers (and farmers) should be explored as a priority. Smartphone applications could provide a relevant and effective means of delivery.



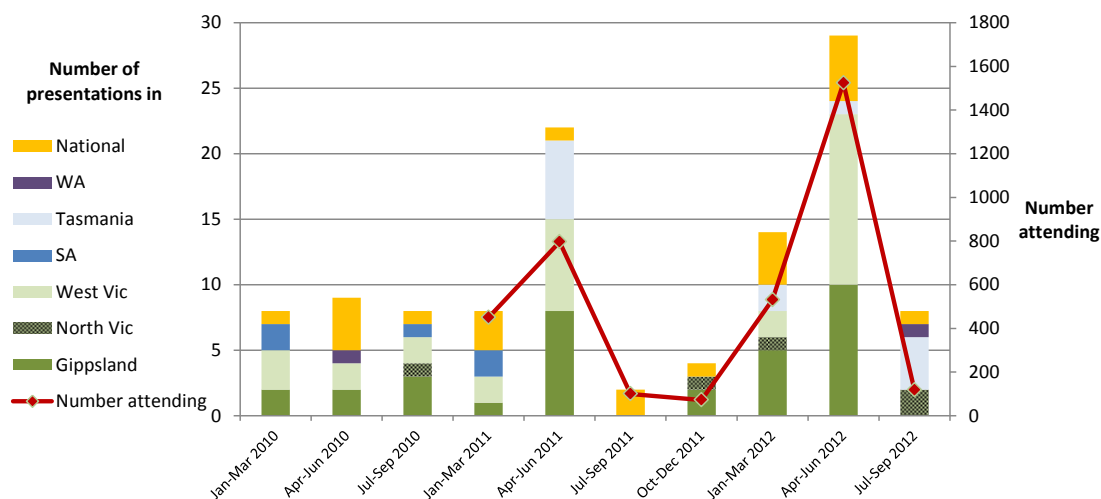
## Farmer awareness and uptake

- Farmers trust and value the Good Bulls Guide
- By 2013, all semen choices by farmers are made from the current year's Good Bulls Guide or Progeny Test teams (aspirational)

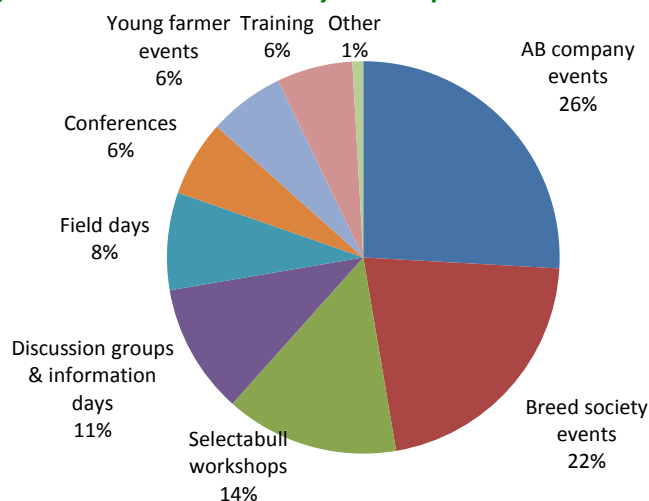
Information about the Good Bulls Guide has been presented to more than 3,500 farmers at a variety of events across the regions. (This is a conservative estimate as numbers were not recorded at one-quarter of the events.)

Many of the events were hosted by bull companies and resellers (29) and breed societies (24). As well as the 'once over lightly' sessions at conferences, there have been more intensive workshops (16), discussion groups and information days (12) where genetic selection has been the featured topic.

### More than 3,500 farmers have attended 112 events where the Good Bulls Guide was discussed



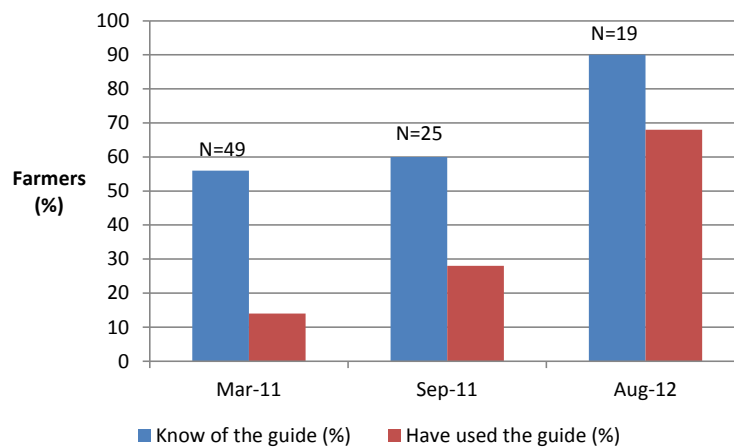
### Almost half (48%) of the events were hosted by AB companies and breed societies





Spot polling shows awareness of the Good Bulls Guide has increased since dairy farmers received the first edition as an insert in The Australian Dairyfarmer magazine in September 2010.

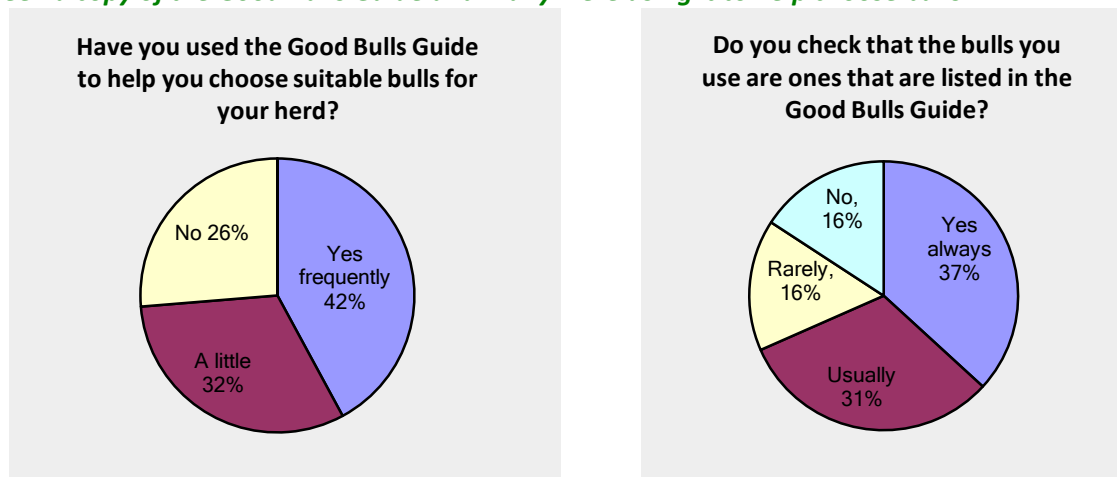
### ***Awareness of the Good Bulls Guide has increased over 18 months***



A preliminary Useability Study in March 2011 showed farmers were very positive about the layout of the Good Bulls Guide – and that even those who hadn't seen it before were enthusiastic about the concept.

The majority of farmers liked having the international and Aussie bulls together in the lists (59% versus 41% who would prefer them in separate lists). A number of farmers commented that The Australian Dairyfarmer magazine wasn't the best place to deliver the guide, so the method of distribution was changed and the guide has been directly mailed to farmers from August 2011 onwards.

### ***In August 2012, 90% of 19 farmers who received a pilot version of the Genetic Progress Report had seen a copy of the Good Bulls Guide and many were using it to help choose bulls***





## Integration with other dairy industry programs

- Other programs have integrated Good Bulls Guide into their technical messages
- Extension and education strategies underpin genetic gain

Awareness and implementation of the Good Bulls Guide has been strengthened by other dairy industry projects integrating appropriate elements into their programs and recommendations.

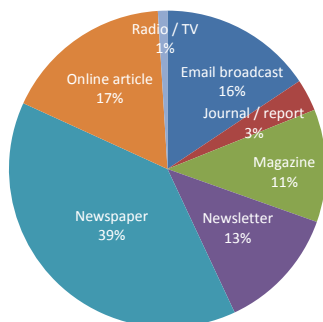
### *Other projects have integrated the Good Bulls Guide story into their programs of work*

Project	How the Good Bulls Guide messages have been integrated
<b>Countdown</b>	<ul style="list-style-type: none"> <li>• Good Bulls Guide feature in a bulletin to about 800 Countdown advisers (April 2011).</li> <li>• Genetics and mastitis resistance theme for September 2011.</li> <li>• Countdown Guideline (Fact Sheet H) updated to include references to the Good Bulls Guide.</li> </ul>
<b>Dairy Australia website</b>	<ul style="list-style-type: none"> <li>• Built genetics landing page to provide the Good Bulls Guide with a 'home' at Dairy Australia.</li> </ul>
<b>Dairy Australia Animal Health and Welfare</b>	<ul style="list-style-type: none"> <li>• Good Bulls Guide and Selectabull identify bulls that last longer and have easier calvings (Selectabull only).</li> <li>• Good Bulls Guide featured in calf rearing manual distributed to all dairy farmers in 2011</li> </ul>
<b>Dairy Extension Centre</b>	<ul style="list-style-type: none"> <li>• Productivity improvements include better bull choices.</li> <li>• Preliminary ground work laid through Dairy Extension Centre – ADHIS project.</li> </ul>
<b>Feed2Milk</b>	<ul style="list-style-type: none"> <li>• Participation in the reference group for <i>Feeding the Genes</i>.</li> </ul>
<b>InCalf</b>	<ul style="list-style-type: none"> <li>• Shared messages around fertility.</li> <li>• Inclusion in the InCalf Pack - resources distributed at farmer meetings.</li> <li>• Key result of the InCalf Fertility Data Research Project 2011 – Fertility ABVs are valuable.</li> <li>• Good Bulls Guide feature in bulletin to about 800 InCalf advisers.</li> <li>• Collaborative work on NCDEA Diploma level unit, 'Develop and implement a breeding strategy'.</li> </ul>
<b>National Centre for Dairy Education Australia</b>	<ul style="list-style-type: none"> <li>• Good Bulls Guide incorporated into a unit of the Dip Ag.</li> </ul>



## Media coverage

Information about the Good Bulls Guide has been distributed through a broad range of media including press releases and service provider newsletters and websites. Articles written for each edition of The Australian Dairyfarmer are the focal point of the communication strategy. The accompanying news 'bites' are regularly picked up by mainstream media.



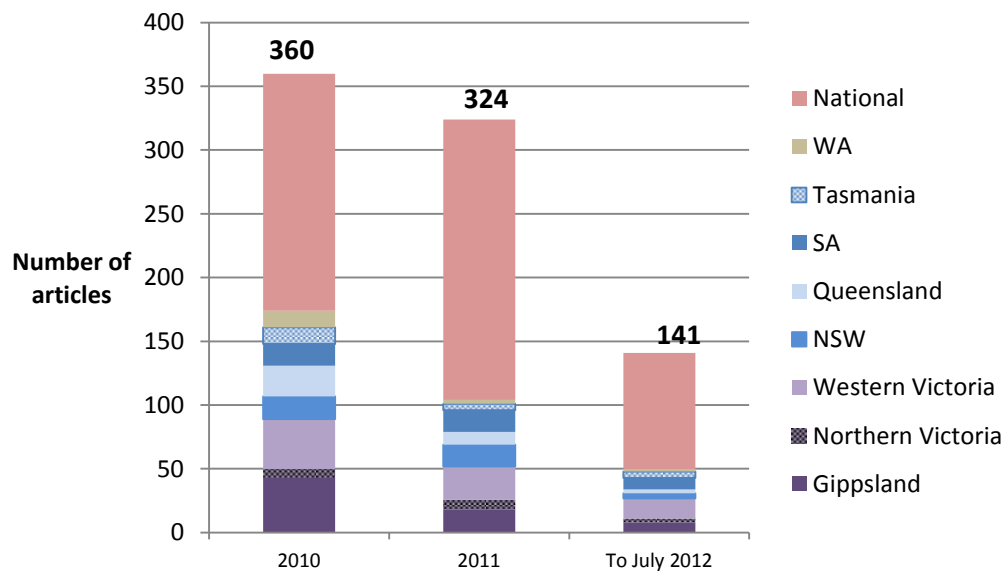
**63% of media is printed (newspaper, newsletter, magazine) and 33% is electronic (online & email)**

### 44% of articles are published by mainstream media and 56% by dairy organisations

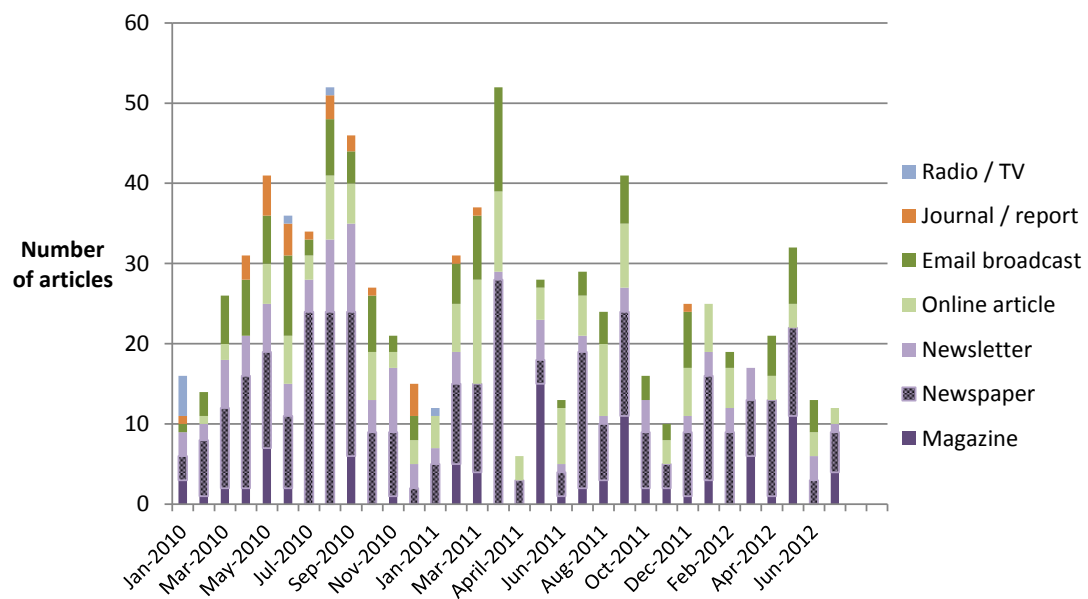
Mainstream media and services	Dairy media and services	
2NM, 2AY, 2BS, 2GN, 2LF, 2QN, 2TG, 2WEB, 2WG, 3GV, 3NE, 3SH, 3SR FM, 3WM, 3YB, 4BU, 4DDB, 4LG, 4VL, 4ZR, 5MU, 5SE ABC Northern Tasmania / www.abc.net.au Atherton Tablelander Australian Financial Review Bairnsdale Advertiser Ballarat Courier Bega District News Border Chronicle (SA) Border Mail (Albury-Wodonga) Border Watch Burnie Advocate Camperdown Chronicle Central & North Burnett Times Cobden Times Coffs Coast Advocate Cohuna Farmers Weekly Colac Herald Country Leader Tamworth Country News / www.countrynews.com.au Countryman CSIRO Publishing Daily News Farmonline / farmonline.com.au / Farm Online-Stock Journal Fraser Coast Chronicle Geelong Advertiser getfarming.com.au Gippsland Times & Maffra Spectator Gloucester Advocate Great Southern Star (Leongatha) Gympie Times Hamilton Spectator	Harvey-Waroona Reporter King Island Courier Landmark Launceston Examiner Loddon Times Manning River Times meatradenewsdaily.co.uk Midland Express Mirror Moyne Gazette News Mail On The Coast Penola Pennant Portland Observer Queensland Country Life Rural Weekly Shepparton Adviser Sir Mark Oliphant Conferences South Burnett Times South Gippsland Sentinel Times Southern Farmer Southern Highland News Stock & Land Stock Journal (Adelaide) Tablelands Advertiser Tasmanian Country theland.farmonline.com.au The Weekly Times / www.weeklytimesnow.com.au Times Victor Harbour Toowoomba Chronicle Warragul & Drouin Gazette Warrnambool Standard Win News Yarram Standard News	ADHIS / www.adhis.com.au / Newsletter / Press release / Genemail ausdairy1@googlegroups.com Australian Dairy Farmers / www.australiandairyfarmers.com.au / Newsletter / Update Australian Holstein Journal Crazy Cow Dairy Australia / Annual report / RDP e-chat Dairy Bulletin Dairy Digest Dairy Futures CRC / www.dairyfuturescrc.com.au Dairy herd e-book downloads Dairy Info (Western Dairy) Dairy News Australia Dairy SA / E-loop / Newsletter Dairy Web news Devondaler DPI / www.dpi.vic.gov.au / West Vic Dairy News Farmwest news Genetics Australia
		Gippsland Farmer Hico Farmer How Now Gippy Cow InCalf Adviser Bulletin Jersey Journal / journal online NHIA Norco Bulletin Northern Dairy Farmer Parmalat Milk News QDO Semex Target 10 / The Dairy Bulletin Tassie Dairy News The Australian Dairyfarmer UDV www.australianropicaldairy.com.au www.dairyinfo.biz www.fatcow.com.au www.holstein.com.au www.jersey.com.au www.thedairysite.com willungavets.com.au Yarram AB centre



**Information about the Good Bulls Guide has been distributed in all dairy regions**



**The feature in The Australian Dairyfarmer helps feed the other media outlets**





## New tools

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### *Genetic Progress Report*

ADHIS aims to drive the rate of genetic gain for profit in Australia whilst supporting farmers to achieve their individual breeding objective. A new tool, the Genetic Progress Report, is being piloted and will be released in early 2013 so farmers can track the genetic progress their herd is making for key traits including profit, production, longevity, type, mastitis resistance and fertility.

An objective measure of what past breeding choices have delivered helps hone the focus for future bull selections - and is an obvious point of entry to the Good Bulls Guide.

The report is based on herd book and production data collected at herd recording. It is two pages in length and provides:

- A snapshot of where the herd ranks compared to other herds of the same breed.
- How the genetic merit the key traits are changing in the herd (increased, stable or reduced).
- A graphical comparison of the genetic drivers for profit in the herd with the national average and top 2% of herds.
- The % of cows born in the most recent year sired by bulls from the Good Bulls Guide or Progeny Test.

An example report is given on the next page.

Beta versions of the report are being piloted with about 100 farms and their feedback has been incorporated. For example, feedback was received from herds that enter the details of calves or young stock that they wanted ABVs of these animals included, to provide information about more recent semen choice. This data has now been included in the Genetic Progress Report.

ADHIS will continue to work with herd test centers to establish preferred delivery mechanisms to their milk recording farms.

The Genetic Progress Report is an essential element of the program as it provides a clear link between semen choices and genetic improvement for performance in Australian farming systems and conditions.

The report can (and is starting to) be used in discussion groups and focus farms to demonstrate the value of making good choices on a repeated basis.



The report provides a clear link between semen choices and genetic improvement

# GENETIC PROGRESS REPORT



V 0.7

Print date: 14/11/12

National herd ID: S00

Cows currently in herd: 185

Breed code for this report is:  
Holstein

## Your Herd's Genetic Snapshot

Rank 9 out of 2293 Holstein milk recording herds for PROFIT

APR 98 herd average Australian Profit Ranking

The bulls you selected over the last  
10 years produced Holstein cows  
with genetic trends that have:

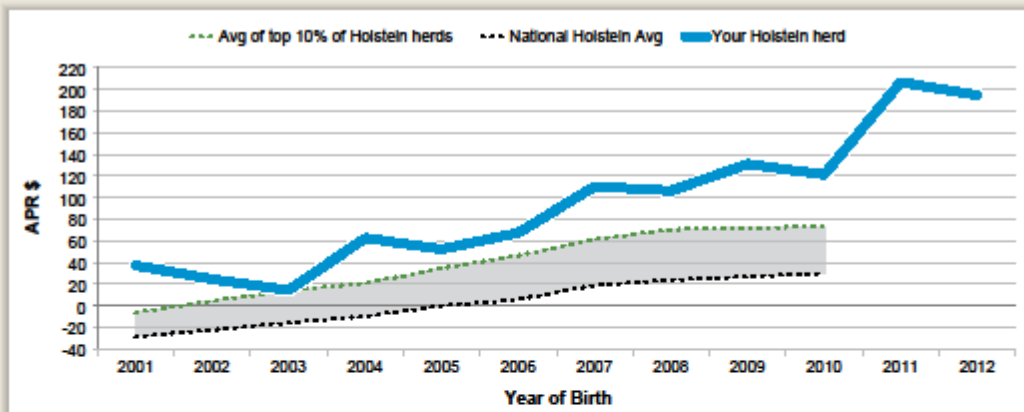
Increased	Remained Stable	Reduced
Profit		
Overall Type		



Do you want to improve your herd's genetic performance for one or more of these traits?  
Use the Good Bulls Guide to choose bulls that perform well in your highest breeding priority areas.

GBG 27% of the cows born in 2009 were bred from the Good Bulls Guide or by Progeny Test.

## Genetic Progress for Profit



The Australian Profit Ranking (APR) reflects the economic drivers of net profitability for the range of dairy farming systems in Australia. The traits considered are production, survival, milking speed, temperament, cell count, liveweight and fertility.

## Number of Cows (current and sold/culled)

Year of Birth	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	Total
Holstein	19	37	26	42	44	30	40	25	41	14	16	10	344

Calves and heifers can be included in this report if they are recorded at your herd test centre.



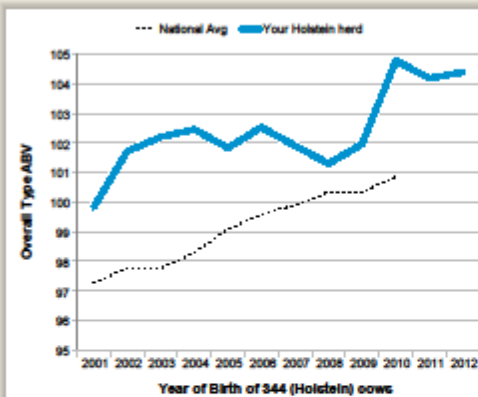
ADHIS is an Australian Dairy Farmers Ltd initiative that receives the majority of its funding from Dairy Australia.



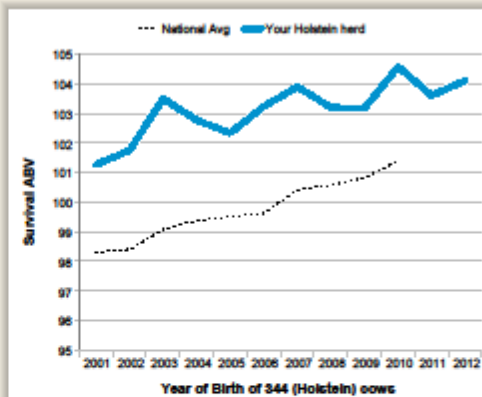


Page 2 of the report graphs genetic progress for each breeding objective in the Good Bulls Guide

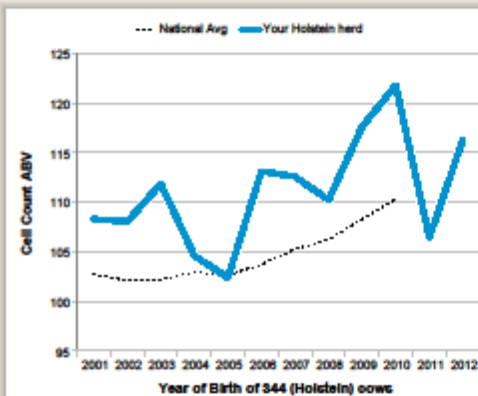
### Genetic Progress for Type



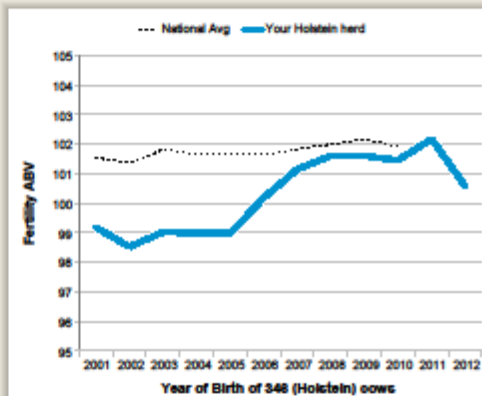
### Genetic Progress for Longevity



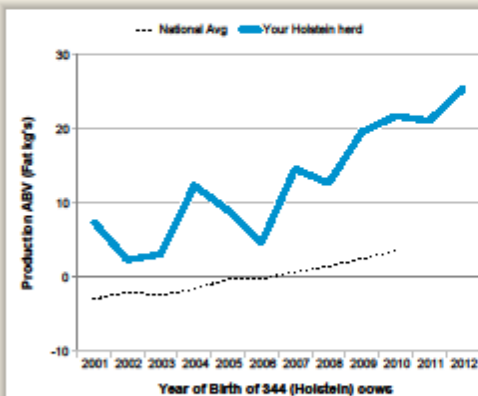
### Genetic Progress for Mastitis Resistance



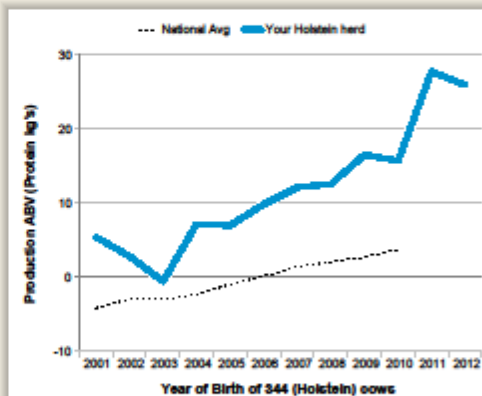
### Genetic Progress for Fertility



### Genetic Progress for Production - Fat



### Genetic Progress for Production - Protein



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### *AI straw calculator*

The rate of genetic gain is influenced by both sire selection and the extent of use of AI in herds.

By early 2011 it was becoming evident through a series of industry surveys that many farms were not using enough AI straws to be rearing all heifer replacements as AI-bred:

- In 2011/2012, 47% of herd recorded herds report less than 50% AI bred cows. This is up from 37% herds in 2010/2011 (ADHIS, 2012).
- National Herd Improvement Association semen sales survey 2011 found that 1.9 million doses of semen were sold to use over Australia's 1.6 million cows and 320,000 (estimated) heifers.
- In the 2011 ADHIS Adviser Survey - 70% of advisers believed farmers find it difficult to breed enough AI heifer replacements.
- In the Good Bulls Guide useability study - only about 20% of farms used sufficient AI semen to achieve 25% heifer replacements.
- In Dairy Australia's National Dairy Farmer Survey in 2010, only 85% of herds reported using AI at all.

This is a worrying trend in terms of its impact on the overall genetic supply chain.

Following discussion with industry (InCalf, Dairy Australia, Dairy Futures CRC and Holstein Australia), ADHIS moved to advocate the use of 6 straws semen from Good Bulls Guide or Progeny Test teams for every heifer replacement required.

A prototype calculator that reinforces this concept was developed in partnership with InCalf and formed the basis of a campaign to encourage appropriate quantities and quality of AI semen.

The calculator puts the emphasis on 'how many replacements are needed in three years time' to maintain herd size rather than the 'how many doses to order'.

The AI Straw Calculator is located on the ADHIS website ([www.adhis.com.au](http://www.adhis.com.au)).



## ***Feeding the Genes research***

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*Feeding the Genes* is a collaborative research project between ADHIS and Dairy Australia's Feed2Milk program, run by the Harris Park Group. It was initiated in 2012 to increase understanding of the relationship between genetic merit and the different types of feeding systems used in Australia.

The impetus for the research was to respond to statements that the Australian Profit Ranking is not applicable to an individual farm feeding system because it is derived from pooled data across a range of feeding systems, and the concern that 'most cows are not being fed to their genetic potential'.

The study consists of a literature review and statistical data analysis. The hypotheses being tested are that:

- Cows of higher genetic merit (as measured by APR) achieve higher milk yield than cows of lower genetic merit within each of the feeding systems used in Australia.
- Cows of higher genetic merit achieve longer productive life (survival) than cows of lower genetic merit within each of the feeding systems.
- Effects of higher genetic merit on milk yield are larger in absolute terms in herds with higher per cow milk yields.

About 1900 milk recording farms were invited to participate in the study In August 2012. The response has been very positive with over 520 farms having completed a survey (28% response rate) to categorise the farm into 1 of the 5 feeding systems and agreeing to allow the use of their data for the study.

The results of this research will provide herd managers with information about the relative profitability of increasing APR within their feeding system, allowing informed decisions when deciding how much to invest in genetic improvement.

The findings will also be used to develop key messages and engage with advisers outside the genetics field (eg nutritionists) on the effects of improving genetic merit on milk yield, productive life and ultimately profitability, and to support the suitability or otherwise of the APR as a measure of genetic merit across all feeding systems in use within the Australian dairy industry.

An analysis of the data is currently underway and preliminary results will be presented at the Herd13 conference in March next year.



## August 2012 edition of the Good Bulls Guide

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ATTACHMENT



AUGUST 2012



**An independent listing backed by  
strong science so that you can  
select bulls with confidence.**



**Australian  
Dairy Herd  
Improvement  
Scheme**



**Dairy  
Australia**  
Your Levy at Work

# Introducing the Good Bulls Guide

Sire selection is an absolutely key decision for all dairy farmers, but it can also be quite complex. This fifth edition of the Good Bulls Guide simplifies the selection process for you.

The Good Bulls Guide is a twice yearly listing of top bulls from Australia and around the world. Australian Breeding Values are used to organise bulls by the most common breeding objectives. Dairy farmers can select bulls from the Good Bulls Guide with confidence that the information is independent and backed by strong science.

All tables also include each bull's Australian Profit Ranking (APR) to compare net profit.

The APR formula reflects the value dairy farmers place on traits such as fertility, survival and mastitis, as well as production and workability. Bulls that make the Good Bulls Guide rank highly for profit.

This guide makes it easy to pick your own priorities and choose any bull from that table.

## What's most important to you?

Using this guide is simple. Just identify what's currently your highest breeding priority:

- Boosting **longevity**;
- Improving **production** traits;
- Perfecting your herd's breed **type**;
- Improving **mastitis resistance**;
- Selecting the most **reliable** proven bulls; or
- Maximising **profit**.

Go to the table that meets your highest breeding objective and pick the bulls from the table with confidence.

For the full Good Bulls Guide, go to [www.adhis.com.au](http://www.adhis.com.au)

## New Science: genomic-based breeding values

Genomics is the large-scale use of DNA information to predict potential performance of bulls and cows. This includes knowledge of differences in DNA sequences of individuals and associating these differences with actual outcomes.

Genomics provides unprecedented levels of accuracy in predicting the breeding potential of young animals and used in conjunction with existing progeny testing, herd recording and genetic evaluation programs, this exciting technology will accelerate genetic improvement in Australian dairy herds.

Genomic breeding values are known as ABV(g)s. These breeding values combine genomic data with traditional pedigree and performance information in a format that can be easily compared to the ABVs and ABV(i)s that dairy farmers are already familiar with.

In the presentation of ABV(g)s, you are likely to see reliabilities similar to an ABV of a bull with 30 milking daughters. When these bulls become 'proven' through the addition of information from enough milking daughters, then they will receive a publishable ABV.

## Summary of ABVs, ABV(i)s and ABV(g)s

ABV(g)	ABV(i)	ABV
Unproven young bulls	Interbull breeding values for bulls proven overseas	Proven bulls
Breeding values based on genomic and pedigree data	Breeding values with no Australian daughter performance information included.	Breeding values using Australian milking daughter information.  Meet publishable requirements for production, type and workability breeding values.

# Good Bulls Guide tables and how they work

**BULL ID / NAME AND PROFIT INFORMATION**

**AUSTRALIAN BREEDING VALUE FOR OVERALL TYPE**

**SUPPORTING TRAITS**

**Holstein Type**

TYPE RANK	BULL ID	BULL NAME	GENETIC CODES	GENOMICS INCLUDED	AUSTRALIAN PROVEN OR INTERNATIONAL	TYPE			LONGEVITY		PROFIT		SOURCE
						OVERALL TYPE	MAMMARY SYSTEM	RELIABILITY	SURVIVAL	RELIABILITY	APR	RELIABILITY	
1	<b>TFGOLDSUN</b>	TOC-FARM GOLDSUN			I	<b>118</b>	121	60	112	48	154	57	
2	<b>7H10506</b>	MAPLE-DOWNS-I G W ATWOOD			I	<b>118</b>	117	64	110*	53	156	60	GAC

**DIFFERENT RANKINGS FOR DIFFERENT TRAIT TABLES**

**Jersey Production**

**PRODUCTION ABVs**

PRODUCTION RANK	BULL ID	BULL NAME	GENOMICS INCLUDED	AUSTRALIAN PROVEN OR INTERNATIONAL	ASI	PRODUCTION TRAITS						PROFIT		SOURCE
						PROTEIN KG	PROTEIN %	MILK L	FAT KG	FAT %	RELIABILITY	APR	RELIABILITY	
1	<b>SANDBLAST</b>	NOWELL SANDBLAST	g	A	<b>284</b>	40	0.41	606	38	0.11	86	357	80	AGR
2	<b>NZGLYNTRADE</b>	LYNBROOK TRADEMARK S3J	g	I	<b>230</b>	28	0.39	293	39	0.44	79	164	69	LIC

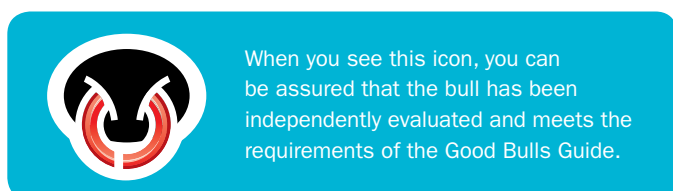
## What do the numbers mean?

The Good Bulls Guide tables are presented using plain language but each number has a special meaning. Tables include a few key Australian Breeding Values that help you compare bulls. Breeding values are combined to produce two indexes

- Profit \$ is the Australian Profit Ranking which maximises profit from production and non-production traits
- Production \$ is the Australian Selection Index which maximises profit from production traits only.

PROFIT INDEXES (APR AND ASI)	AUSTRALIAN BREEDING VALUES FOR PRODUCTION TRAITS	AUSTRALIAN BREEDING VALUES FOR NON PRODUCTION TRAITS
<div>\$</div> <div>→ EG PROFIT \$ OF 240 <b>THIS BULL IS \$240 MORE PROFITABLE THAN THE AVERAGE</b> → THE AVERAGE IS \$0</div>	<div>kg L %</div> <div>→ EG PROTEIN ABV OF 40 <b>THIS BULL IS 40 KG OF PROTEIN MORE THAN THE AVERAGE</b> → THE AVERAGE IS 0</div>	<div>100</div> <div>→ EG DAUGHTER FERTILITY ABV OF 104 <b>THIS BULL IS 4% GREATER FOR DAUGHTER FERTILITY THAN THE AVERAGE</b> → THE AVERAGE IS 100</div>

## Does that bull make the Good Bulls Guide?



Thank you to Con and Michelle Glennen, Noorat, Victoria for the Good Bulls Guide August 2012 cover photograph.



## Holstein Profit - Proven Australia

PROFIT RANK	BULL ID	BULL NAME	GENETIC CODES	GENOMICS INCLUDED	AUSTRALIAN PROVEN OR INTERNATIONAL	PROFIT		PRODUCTION		AUSTRALIAN HERDS		LONGEVITY		TYPE			SOURCE
						APR	RELIABILITY	ASI	RELIABILITY	AUSTRALIAN DAUGHTERS	AUSTRALIAN HERDS	SURVIVAL	RELIABILITY	OVERALL TYPE	MAMMARY SYSTEM	RELIABILITY	
1	ROUMARE	ROUMARE		g	A	368	92	285	97	360	80	108	84	106	107	95	CRV
2	29H012470	INDIJKS BABYLON		g	A	308	79	192	86	72	34	104	66	101	100	75	ABS
3	DEANCOX	MANNA FARM DEANCOX		g	A	292	78	217	85	83	38	106	65	108	104	77	GAC
4	BUDDHA	BUSHLEA PERFECTOR BOLD-ET		g	A	283	80	194	87	97	44	106	66	110	106	79	GAC
5	USEAGE	KAARMONA CALEB			A	280	83	200	90	101	45	107	67	101	106	78	GAC
6	WESTGATE	GALLRAE JOCKO 3438		g	A	270	80	182	86	88	43	110	65	110	108	77	GAC
7	DELSANTO	MANNA FARM DEL SANTO		g	A	268	80	236	88	88	44	102	61	110	109	64	GAC
8	7H8081	ENSENADA TABOO PLANET ET	TRVTL		A	261	88	170	95	221	62	106	77	106	113	92	GAC
9	NZGMILLER	GLENMEAD MILLER		g	A	257	85	165	93	144	28	103	70	95	97	78	LIC
10	SHOLTZ	ST. CLAIR SHOLTZ-TWIN			A	253	68	165	74	40	23	105	61	106	104	72	ABS
11	REFUND	KINGS VILLE REFUND		g	A	236	78	198	84	81	35	105	65	99	102	78	GAC
12	QUINTY	KAARMONA CARBASAR		g	A	236	81	174	87	91	36	103	67	106	106	81	GAC
13	SHOTTLE	PICSTON SHOTTLE		g	A	235	97	73	99	961	266	111	92	110	108	98	ABS
14	PROSHOT	CLYDEVALE PROSHOT			A	234	70	150	77	42	29	104	61	101	106	71	ABS
15	FARMDEALER	MANNA FARM DEALER	CV	g	A	232	82	161	89	111	44	110	66	111	115	76	ALT
16	GOLDPIPER	CLYDEVALE SHOTTLE PERSIS		g	A	228	76	143	83	67	37	105	61	102	105	72	AGR
17	EUROSTAR	ECLIPSE EUROSTAR		g	A	223	79	112	87	104	56	106	62	106	109	72	GAC
18	THROTTLE	ELMAR THROTTLE		g	A	223	81	72	87	92	42	108	68	106	111	82	ABS
19	JEEBIN	COUNTRY ROAD LADINO JADIN		g	A	220	82	137	88	87	45	109	68	109	109	78	GAC
20	COPIER	CURRAJUGLE COPIER-ET			A	218	78	112	85	82	37	111	66	106	105	73	GAC
21	GGJARDIN	JARDIN		g	A	216	94	190	98	753	103	104	86	97	104	95	ABS
22	GOLDSMITH	TOPSPEED H POTTER	TVTL	g	A	214	98	220	99	2743	371	103	95	95	92	96	GAC
23	NLDCANVAS	DELTA CANVAS	RC		A	213	92	218	96	225	42	103	87	95	99	92	CRV
24	SMIRK	CARENDA SMIRK	TV	g	A	210	69	164	75	48	25	103	57	108	104	66	ALT
25	JACKAROO	KIRK ANDREWS TALENTED JACKSON	RC	g	A	208	84	148	93	241	78	106	67	110	114	76	ABS
26	29H012471	IJLSTER TALENT		g	A	207	77	82	83	34	15	106	68	102	102	76	ABS
27	DIPPENAAR	MANNA FARM DIPPENAAR			A	205	74	177	83	78	40	101	54	100	105	59	GAC
28	PORT	PERFECT PARTNERS LANCELOT PORT		g	A	198	79	165	86	72	33	103	65	102	104	74	ABS
29	MEDALLION	BUNDALONG MARKS MEDALLION		g	A	197	80	177	88	96	43	105	64	112	117	74	GAC
30	DICAST	DAMAR LEON	TV	g	A	196	83	117	90	112	46	107	69	103	100	76	GAC
31	ABSTENNYSON	BURLANE TENNYSON			A	195	94	117	98	915	194	105	83	107	103	95	ABS
32	DAICOS	MANNA FARM DAICOS		g	A	195	72	111	78	47	26	107	60	109	104	68	ABS
33	DRAVID	MANNA FARM DRAVID			A	194	71	194	78	62	27	99	58	96	96	65	ABS
34	FEVOLA	CARENDA FEVOLA		g	A	194	85	184	91	128	46	104	71	104	105	81	ALT
35	CARDINAL	KAARMONA CARDINAL	TV		A	192	81	149	88	84	45	106	67	111	110	77	GAC
36	AVIATOR	BUNDALONG GOLDWYN PILOT		g	A	192	72	93	80	52	22	107	58	101	102	67	AGR
37	CARLOS	COUNTRY ROAD JOCKO CARLOS	TV		A	191	82	178	89	94	42	103	67	103	102	78	GAC
38	LATAR	ELMAR LATAR		g	A	191	83	148	89	101	44	103	69	107	106	81	ABS
39	RONLY	RONLY		g	A	186	97	63	99	1111	224	108	93	106	104	95	AGR
40	JOCKO	JOCKO BESN	TVTL	g	A	184	98	150	99	2201	431	106	97	104	106	98	AGR
41	FULLHOUSE	JOYLEY 9 10 JACK		g	A	184	79	133	87	81	40	104	63	105	101	65	GAC
42	WISEPOINT	KIRK ANDREWS JACKADINO	RC	g	A	184	87	90	93	207	71	106	75	110	112	86	GAC
43	AMICI	HILL VALLEY AMICI			A	182	78	149	83	74	33	104	71	105	105	81	ABS
44	POOLEY	POOLEY BRIDGE JUGGLER		g	A	182	78	81	86	81	37	106	62	107	104	73	ALT
45	WINARGYLE	COUNTRY ROAD WINSOME ARGYLE	TV	g	A	179	87	191	94	203	70	100	72	106	105	80	GAC
46	AMBFLOUR	AURORA-DONOR FLOUR			A	178	95	185	98	793	133	102	88	108	108	91	CRV
47	DONOR	ELITE MOUNTAIN DONOR IMP (E.T)	TV	g	A	178	99	159	99	37712	3033	103	99	103	101	99	ABS
48	WHITLAM	FAIRSTAR GOLD LEMON-TWIN	TCTV	g	A	178	79	134	86	73	38	102	64	103	107	68	GAC
49	ALTABREAKOUT	IJSSELVIEDT 135 BREAKOUT		g	A	178	97	117	99	963	166	103	93	99	102	94	ALT
50	JAGO	RENGAW SHOTTLE JAGO			A	178	70	87	75	39	22	105	63	102	101	71	ABS



## Holstein Profit - Proven Australia

Holstein Profit - Proven Australia								PROFIT		PRODUCTION				LONGEVITY		TYPE		
PROFIT RANK	BULL ID	BULL NAME	GENETIC CODES	GENOMICS INCLUDED	AUSTRALIAN PROVEN OR INTERNATIONAL	APR	RELIABILITY	ASI	RELIABILITY	AUSTRALIAN DAUGHTERS	AUSTRALIAN HERDS	SURVIVAL	RELIABILITY	OVERALL TYPE	MAMMARY SYSTEM	RELIABILITY	SOURCE	
51	BUDLIGHT	WANDILLA INFORMER BUSTER 8TH-TWIN		g	A	178	82	80	87	84	42	107	69	110	112	80	GAC	
52	BULLBAR	GLOMAR BULLBAR RB	TVRB	g	A	178	99	76	99	7412	746	105	98	105	109	99	GAC	
53	WATCHDOG	BUNDALONG INFORMER WATCHDOG		g	A	177	79	153	86	88	43	103	65	109	107	77	GAC	
54	NINESCAPE	GLEN JURISTAN NINEFOLD ESCAPE	TXTV	g	A	176	92	102	97	512	122	102	78	103	107	86	GAC	
55	SOLVIT	KIRK ANDREWS FORCEFUL		g	A	174	80	170	87	84	42	100	66	106	105	73	GAC	
56	DONLOTTO	KAARMONA DON LOTTO			A	174	82	158	88	78	33	101	73	102	105	83	ABS	
57	LANCELOT	LANCELOT		g	A	174	98	149	99	1873	309	104	96	104	102	98	AGR	
58	HOCHARGE	RIETBEN CHARGE		g	A	173	95	34	98	578	116	106	90	99	101	91	SEM	
59	PHENICE	CLYDEVALE GOLDWYN PHENICE			A	170	73	78	78	52	24	108	68	106	104	76	ABS	
60	RANGO	ADDINGWOOD RANGER	TCTV		A	169	75	126	82	69	28	101	64	101	98	72	GAC	
61	HOTAYLORMADE	TAHORA TAYLORMADE			A	169	78	110	88	78	38	106	60	106	111	76	SEM	
62	ORANA	BUSHLEA WAVES FABULON		g	A	167	87	149	94	332	109	101	70	108	110	81	GAC	
63	THRUSTERJET	WINDORLEE GOLDBULLION TURBINE	TVTC	g	A	166	92	89	98	706	154	102	76	102	98	88	GAC	
64	JUNCO	PURNIM GOLD CHALLENGE		g	A	166	94	62	98	836	144	107	84	108	101	89	ABS	
65	WILLCOY	MANNA FARM DECOY		g	A	163	84	156	91	160	68	102	70	110	108	80	GAC	
66	DUBLIN	KIRKBLYTHE DUBLIN			A	163	77	86	84	53	22	106	67	106	102	81	ABS	
67	NIMBLE	CLARINDA JOCKOSTRAP TWIN	TV	g	A	161	79	185	85	67	27	102	66	110	107	76	GAC	
68	DONSAM	WILLOWS DONANTE SAM		g	A	160	68	138	74	40	22	103	57	110	107	64	ALT	
69	STUDKING	ECLIPSE STUDKING		g	A	159	79	143	87	93	50	104	60	97	103	66	GAC	
70	POTHOLE	BUNDALONG GOLDWYN POTHOLE			A	159	78	111	83	74	37	104	71	109	110	78	ABS	
71	HELLSGATE	KIRK ANDREWS SCOTCHMAN			A	158	72	77	80	60	28	107	59	106	104	65	GAC	
72	ROCKWELLAJJ	ROCKWELLA FARM JJ		g	A	154	70	138	77	57	25	102	55	102	100	67	ALT	
73	NINEFOLD	KEYMER NINA WINLUKE	TL	g	A	154	99	114	99	12151	1381	103	99	102	100	99	GAC	
74	PANOPOLY	CLYDEVALE GOLDWYN PANOPOLY		g	A	153	72	54	78	52	23	109	60	108	108	72	AGR	
75	CRITOYSTORY	JENNY-LOU MRSHL TOYSTORY		g	A	152	97	88	99	1153	228	106	92	107	112	98	AGR	
76	FULLSTOP	CARENDA FULLSTOP		g	A	150	79	164	86	94	43	102	66	103	106	80	ALT	
77	VINDICATE	CARENDA VINDICATE			A	149	75	76	80	61	25	107	70	112	108	78	ABS	
78	MORELL	ADDINGWOOD MORELLI	TCTV		A	148	74	129	80	65	32	101	62	101	96	70	GAC	
79	OHGGOLDINO	GOLDINO			A	146	80	105	88	73	34	105	67	108	110	81	AGR	
80	GRAZER	CARENDA GRAZER	TC	g	A	145	80	144	88	85	49	103	65	106	107	69	GAC	
81	NLDBEVERLAKE	BEVERLAKE LOUSON	TLTV		A	144	96	154	99	852	157	99	92	99	106	89	CRV	
82	INTRUDER	ELMAR INTRUDER		g	A	144	77	92	85	64	31	105	62	105	108	70	ABS	
83	JINGLE	RENGAW SHOTTLE JINGLE			A	144	78	22	86	85	37	106	63	109	105	74	ABS	
84	FAIRDEAL	BUNKERS HILL NINEFOLD DYNAMO		g	A	142	80	97	87	69	34	103	65	103	104	71	GAC	
85	SIROCCO	BUNDALONG COLIN SIROCCO	TVTL	g	A	141	76	157	83	68	37	98	60	101	100	67	GAC	
86	BELLTOWER	HILL VALLEY DON ALLWYN	TV	g	A	141	97	55	99	1616	284	105	94	97	99	94	GAC	
87	HOBUCK	R-E-W BUCKEYE		g	A	139	95	37	98	513	142	107	91	105	110	97	SEM	
88	AVOIR	AVOIR SHO		g	A	138	79	79	87	56	25	102	66	105	99	75	AGR	
89	7H6782	OCEAN-VIEW ZENITH-TW		g	A	138	94	47	97	365	111	106	90	100	102	93	GAC	
90	NLD973318	DELTA OLYMPIC			A	137	95	108	98	960	186	102	86	105	104	93	CRV	
91	TIERS	MISTY BRAE DESIGN		g	A	136	82	69	89	91	42	106	67	111	108	76	GAC	
92	FULLTIME	CARENDA FULLTIME		g	A	134	74	143	81	45	18	99	62	102	103	68	AGR	
93	GGJURUS	JURUS		g	A	134	90	49	96	332	60	105	79	106	101	89	ABS	
94	DONANTE	HILL VALLEY DON ANDANTE ET	TV	g	A	131	99	106	99	7165	750	104	98	106	110	99	GAC	
95	MANNA	MANNA FARM DENIRO		g	A	131	79	91	86	73	36	106	66	108	109	76	ALT	
96	TESTIMONY	BENEVENTO PARK GOLDWYN TESTIMONY			A	130	67	80	72	36	17	105	62	108	113	72	ABS	
97	EXCELSIOR	TOPSPEED EXCELSIOR			A	129	80	107	86	95	39	101	71	100	97	80	GAC	
98	BLACKSTORM	IERAVAL BLACKSTORM		g	A	128	92	63	97	514	141	105	78	106	107	89	GAC	
99	RECEIPT	KINGS VILLE RECEIPT			A	127	74	99	79	57	25	101	65	93	95	74	GAC	
100	JIRRIMA	BUNDALONG INFORMER JORDAN	TC	g	A	125	76	151	84	64	29	99	59	97	97	68	GAC	

\* Denotes an ABV that incorporates Australian data, all other traits for this bull are ABV(i)s using data from foreign daughters.

# Denotes an ABV(i) using data from foreign daughters For the full Good Bulls Guide list, go to [www.adhis.com.au](http://www.adhis.com.au)

# Holstein Profit

Holstein Profit							PROFIT		PRODUCTION						LONGEVITY		TYPE		
PROFIT RANK	BULL ID	BULL NAME	GENETIC CODES	GENOMICS INCLUDED	AUSTRALIAN PROVEN OR INTERNATIONAL	APR	RELIABILITY	ASI	RELIABILITY	AUSTRALIAN DAUGHTERS	AUSTRALIAN HERDS	FOREIGN DAUGHTERS FIRST	SURVIVAL	RELIABILITY	OVERALL TYPE	MAMMARY SYSTEM	RELIABILITY	SOURCE	
1	ROUMARE	ROUMARE		g	A	368	92	285	97	360	80		108	84	106	107	95	CRV	
2	7H9321	RALMA GOLD CROWN		g	A	310	73	164	79	27	13		112#	66	106#	105#	71	GAC	
3	29H012470	INDIJKS BABYLON		g	A	308	79	192	86	72	34		104	66	101	100	75	ABS	
4	GGGUARINI	GUARINI-ET	TV		I	302	58	179	66			151	109	50	111	112	63	ABS	
5	DEANCOX	MANNA FARM DEANCOX		g	A	292	78	217	85	83	38		106	65	108	104	77	GAC	
6	29H013664	MORNINGVIEW LEVI			I	287	58	171	66			158	108	53	106	105	64	ABS	
7	BUDDHA	BUSHLEA PERFECTOR BOLD-ET		g	A	283	80	194	87	97	44		106	66	110	106	79	GAC	
8	USEAGE	KAARMONA CALEB			A	280	83	200	90	101	45		107	67	101	106	78	GAC	
9	WESTGATE	GALLRAE JOCKO 3438		g	A	270	80	182	86	88	43		110	65	110	108	77	GAC	
10	DELSANTO	MANNA FARM DEL SANTO		g	A	268	80	236	88	88	44		102	61	110	109	64	GAC	
11	VOUSTERMAN	VOUSTER			I	268	61	184	72			105	103	50	102	100	61	AGR	
12	ROSEO	ROSEO JOC		g	I	265	76	160	78			23712	106*	74	102	103	79	AGR	
13	CRVOMANOSCAR	D OSCAR			I	265	60	156	68			165	106	55	102	102	61	CRV	
14	COGENTTWIST	COGENT TWIST	TLTV		I	264	59	186	69			82	106	50	106	104	64	ALT	
15	29H013053	GRAN-J OMAN MCCORMICK		g	I	264	70	115	77			494	109	63	105	104	69	ABS	
16	7H8081	ENSENADA TABOO PLANET ET	TRTVL		A	261	88	170	95	221	62		106	77	106	113	92	GAC	
17	NZGLANDSPER	WESTLAND CL JASPER		g	I	261	64	153	74			95	106	47	86	84	60	LIC	
18	GDDANILLO	DANILLO			I	258	62	151	72			386	109	53	112	113	68	CRV	
19	NZGMILLER	GLENMEAD MILLER		g	A	257	85	165	93	144	28		103	70	95	97	78	LIC	
20	CBTIERGAN	BALLYCAIRN TIERGAN	TLTV		I	256	60	166	70			75	108	50	110	111	65	ALT	
21	RANNESLOV	RANNESLOV		g	I	255	74	218	71			10743	104*	76	108	112	70	VIK	
22	SHOLTZ	ST. CLAIR SHOLTZ-TWIN			A	253	68	165	74	40	23		105	61	106	104	72	ABS	
23	11H09624	UFM-DUBS ALTAESQUIRE	TVTL		I	243	63	200	73			652	104	56	111	102	69	ALT	
24	29H013568	LUNCREST MILLARD	TV		I	241	58	104	66			155	109	53	111	111	63	ABS	
25	29H013363	COPPERTOP DOBERMAN			I	240	56	131	64			110	107	51	111	110	61	ABS	
26	NZGWARDSBANQ	EDWARDS BANQ OVATION		g	I	239	64	142	75			72	104	48	93	93	61	LIC	
27	CRVMACCA	MARCHEL FIRENZE MACCA			I	238	51	172	66			90	104*	30				CRV	
28	REFUND	KINGS VILLE REFUND		g	A	236	78	198	84	81	35		105	65	99	102	78	GAC	
29	QUINTY	KAARMONA CARBASAR		g	A	236	81	174	87	91	36		103	67	106	106	81	GAC	
30	VOSAC	VOSAC MAN		g	I	236	71	140	80			90	108	60	106	105	68	AGR	
31	CREOL	CREOL TOY			I	235	57	136	67			58	107*	49	108	111	58	AGR	
32	SHOTTLE	PICSTON SHOTTLE		g	A	235	97	73	99	961	266		111	92	110	108	98	ABS	
33	PROSHOT	CLYDEVALE PROSHOT			A	234	70	150	77	42	29		104	61	101	106	71	ABS	
34	CRVDESUNRISE	DE BIESHEUVEL SUNRISE			I	233	59	200	68			225	104	48	101	102	65	CRV	
35	FARMDEALER	MANNA FARM DEALER	CV	g	A	232	82	161	89	111	44		110	66	111	115	76	ALT	
36	GGTABLEAU	TABLEAU			I	231	58	141	66			139	106	51	107	109	64	ABS	
37	VIKLIMBO	D LIMBO			I	230	61	190	68			267	105	56	100	100	61	VIK	
38	BOSSHAMPOO	PINE-TREE MARTHA SHAMPOO			I	229	62	87	72			1847	108	54	105	102	69	AGR	
39	GOLDPIPER	CLYDEVALE SHOTTLE PERSIS		g	A	228	76	143	83	67	37		105	61	102	105	72	AGR	
40	STOLJOC	STOL JOC		g	I	227	82	175	84			22813	106*	79	108*	106*	87	AGR	
41	BOSMEGASTUD	AMBZED P MEGASTUD			I	226	59	176	70			102	105	42	102	103	62	CRV	
42	HOMANIFOLD	MAINSTREAM MANIFOLD			I	226	58	145	68			180	106	53	106	105	62	SEM	
43	GGGUNNAR	GUNNAR-ET	TV		I	225	57	139	66			119	108	48	114	114	61	ABS	
44	NZGBLITZER	GREENWELL TF BLITZ-ET S3F			I	223	56	179	68			84	102	37	100	96	63	LIC	
45	EUROSTAR	ECLIPSE EUROSTAR		g	A	223	79	112	87	104	56		106	62	106	109	72	GAC	
46	GGMASCOL	MASCOL	TV	g	I	223	83	98	85			14719	108	80	104	98	85	ABS	
47	THROTTLE	ELMAR THROTTLE		g	A	223	81	72	87	92	42		108	68	106	111	82	ABS	
48	CRVSHADOW	ROS MHOR TEF SHADOW S1F			I	220	54	225	66			71	103	35	104	99	60	CRV	
49	NZGMINTED	FAIRMOUNT MINT-EDITION			A	220	71	154	84	42	14		103#	46	102#	102#	65	LIC	
50	JEEBIN	COUNTRY ROAD LADINO JADIN		g	A	220	82	137	88	87	45		109	68	109	109	78	GAC	



## Holstein Profit

PROFIT RANK	BULL ID	BULL NAME	GENETIC CODES	GENOMICS INCLUDED	AUSTRALIAN PROVEN OR INTERNATIONAL	PROFIT		PRODUCTION		AUSTRALIAN DAUGHTERS	AUSTRALIAN HERDS	FOREIGN DAUGHTERS FIRST	LONGEVITY		TYPE			SOURCE
						APR	RELIABILITY	ASI	RELIABILITY				SURVIVAL	RELIABILITY	OVERALL TYPE	MAMMARY SYSTEM	RELIABILITY	
51	NZGHOSANNA	VALDEN HI APPLAUSE S2F		g	I	219	75	170	76			82543	104*	64	86	83	73	LIC
52	CRVBERNAC	BERNAC			I	218	61	141	72			103	108	49	115	107	62	CRV
53	COPIER	CURRAJUGLE COPIER-ET			A	218	78	112	85	82	37		111	66	106	105	73	GAC
54	29H013536	COLDSPRINGS PRENTICE-ET	TV		I	218	57	86	65			136	109	53	107	109	62	ABS
55	29H011942	WA-DEL JUNCTION			I	217	63	160	73			1414	104	56	105	102	68	ABS
56	14H5411	GLENN-ANN PALERMO			I	217	57	112	65			121	111	53	114	113	63	GAC
57	GGJARDIN	JARDIN		g	A	216	94	190	98	753	103		104	86	97	104	95	ABS
58	GOLDFARM	SABBIONA GOLDFARM			I	216	56	126	65			116	109	47	111	115	59	GAC
59	GOLDSMITH	TOPSPEED H POTTER	TVTL	g	A	214	98	220	99	2743	371		103	95	95	92	96	GAC
60	LEXICON	GENERATIONS LEXICON			I	214	60	136	71			104	109	50	111	113	64	GAC
61	NANNERCH	AINTREE NANNERCH	TVTL		I	214	58	123	69			71	106	45	110	109	59	ALT
62	BOSFREDDIE	BADGER-BLUFF FANNY FREDDIE			I	214	58	98	67			1075	108	51	110	105	62	AGR
63	NLDCANVAS	DELTA CANVAS	RC		A	213	92	218	96	225	42		103	87	95	99	92	CRV
64	NZGSONFLAME	THOMPSONS GR FLAME S2F		g	I	213	65	160	75			87	103	48	95	93	62	LIC
65	ARTES	GO-FARM ARTES			I	213	55	132	64			101	109	46	112	117	58	GAC
66	SMIRK	CARENDA SMIRK	TV	g	A	210	69	164	75	48	25		103	57	108	104	66	ALT
67	29H013553	CORDES-MAID STONEWALL-ET	TLTV		I	210	57	107	65			113	107	52	110	108	62	ABS
68	HUDDLESTONE	HUDDLESTONE SPOOKY	TV		I	209	70	142	80			1918	102	61	102	101	77	ALT
69	7H9420	FUSTEAD GOLDWYN GUTHRIE			I	209	56	104	64			78	110	50	115	118	61	GAC
70	PAROCAS	SALA SHOTTLE PAROCAS			I	209	55	83	64			122	108	46	110	107	57	GAC
71	NZGEARLYTIME	BUCHANANS EARLYTIME S2F		g	I	208	70	171	76			888	102	55	88	89	64	LIC
72	JACKAROO	KIRK ANDREWS TALENTED JACKSON	RC	g	A	208	84	148	93	241	78		106	67	110	114	76	ABS
73	ENDSTORY	O-MAN END-STORY			I	207	53	149	63			64	108	44	112	111	55	GAC
74	29H012471	IJLSTER TALENT		g	A	207	77	82	83	34	15		106	68	102	102	76	ABS
75	ALTAIOTA	REGANCREST ALTAIOTA			I	206	57	126	66			124	107	53	114	111	62	ALT
76	HOACRESEIGHT	CROCKETT-ACRES EIGHT			I	206	66	110	78			377	106	54	102	100	68	SEM
77	DIPPENAAR	MANNA FARM DIPPENAAR			A	205	74	177	83	78	40		101	54	100	105	59	GAC
78	NZGPASTURE	LAKESIDE S D MEADOWS		g	I	204	75	161	77			45259	101*	69	98	90	74	LIC
79	NZGMETEORET	WOODCOTE GR METEOR-ET S3F			I	202	53	147	68			93	103	35	83	86	63	LIC
80	GENOBLUEUET	BLUEUET GLD			I	202	61	134	72			112	106	49	106	106	61	AGR
81	11H09799	CHARITY ALTAGRATIS	TL TV		I	202	61	126	71			127	107	51	109	110	64	ALT
82	NZGCLOUT	REILLYS MIGHT S1F		g	I	202	68	126	76			33733	104	54	88	88	67	LIC
83	OMANPANAMA	HSS OMAN PANAMA			I	202	60	111	74			182	106*	45				ABS
84	NZGGLENMEAD	GLENMEAD KR WINDMILL		g	I	201	74	169	76			563	101*	68	93	91	69	LIC
85	NZGSPELDMAN	SPELDHURST STATESMAN		g	I	201	61	125	73			85	102	44	91	92	59	LIC
86	29H012572	GALASTAR BLUESKY			I	201	61	103	70			135	108	53	111	109	67	ABS
87	BOSTOYCOLE	CO-OP TOYSTORY COLE			I	200	58	148	67			395	106*	51	107	107	60	AGR
88	CRDELTAPODKA	DELTA POLKA			I	199	60	188	70			117	102	50	102	102	67	CRV
89	29H013517	PINE-TREE MARTHA SHOLTEN			I	199	64	70	75			501	108	53	105	102	63	ABS
90	CRHILL	LOTTA-HILL SHOTTLE 41 - ET			I	199	58	66	68			563	109	50	110	112	61	AGR
91	PORT	PERFECT PARTNERS LANCELOT PORT		g	A	198	79	165	86	72	33		103	65	102	104	74	ABS
92	NZGWHISTLER	MURITAI APP WHISTLER S3F			I	198	55	149	67			82	104	37	96	101	63	LIC
93	VIKROX	J ROX			I	198	57	141	66			166	105*	53	104	103	57	VIK
94	NZGROCKSOLID	SRC GLENMEAD ROCKSOLID		g	I	198	70	124	79			28962	102	56	90	87	68	LIC
95	NZGFROSTMAN	PUKETIRO FROSTMAN S1F		g	I	198	71	96	77			14133	103	55	94	92	66	LIC
96	MEDALLION	BUNDALONG MARKS MEDALLION		g	A	197	80	177	88	96	43		105	64	112	117	74	GAC
97	DICAST	DAMAR LEON	TV	g	A	196	83	117	90	112	46		107	69	103	100	76	GAC
98	BOSCRICKET	RALMA O-MAN CF CRICKET			I	196	62	75	73			233	108	52	107	106	68	CRV
99	COLOMBIANO	NEW FARM COLOMBIANO			I	195	54	118	64			56	106	44	108	107	56	GAC
100	ABSTENNYSON	BURLANE TENNYSON			A	195	94	117	98	915	194		105	83	107	103	95	ABS

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## Holstein Production

Holstein Production						PRODUCTION TRAITS								PROFIT		
PRODUCTION RANK	BULL ID	BULL NAME	GENETIC CODES	GENOMICS INCLUDED	AUSTRALIAN PROVEN OR INTERNATIONAL	ASI	PROTEIN KG	PROTEIN %	MILK L	FAT Kg	FAT %	RELIABILITY	APR	RELIABILITY	SOURCE	
1	ROUMARE	ROUMARE		g	A	285	45	0.21	1267	49	-0.07	97	368	92	CRV	
2	DELSANTO	MANNA FARM DEL SANTO		g	A	236	19	0.42	-107	63	0.98	88	268	80	GAC	
3	CRVSHADOW	ROS MHOR TEF SHADOW S1F			I	225	32	0.31	576	32	0.11	66	220	54	CRV	
4	GOLDSMITH	TOPSPEED H POTTER	TVTL	g	A	220	26	0.32	336	45	0.44	99	214	98	GAC	
5	RANNESLOV	RANNESLOV		g	I	218	45	0.06	1533	21	-0.64	71	255	74	VIK	
6	NLDCANVAS	DELTA CANVAS	RC		A	218	39	0.02	1413	42	-0.26	96	213	92	CRV	
7	DEANCOX	MANNA FARM DEANCOX		g	A	217	43	0.03	1534	29	-0.52	85	292	78	GAC	
8	CRVDESUNRISE	DE BIESHEUVEL SUNRISE			I	200	38	0.15	1092	18	-0.42	68	233	59	CRV	
9	USEAGE	KAARMONA CALEB			A	200	38	0.17	1048	16	-0.42	90	280	83	GAC	
10	11H09624	UFM-DUBS ALTAESQUIRE	TVTL		I	200	27	0.07	869	57	0.28	73	243	63	ALT	
11	REFUND	KINGS VILLE REFUND		g	A	198	38	0.09	1234	23	-0.43	84	236	78	GAC	
12	BUDDHA	BUSHLEA PERFECTOR BOLD-ET		g	A	194	30	0.02	1052	50	0.08	87	283	80	GAC	
13	DRAVID	MANNA FARM DRAVID			A	194	23	0.20	470	47	0.39	78	194	71	ABS	
14	29H012470	INDIJKS BABYLON		g	A	192	36	-0.08	1481	44	-0.28	86	308	79	ABS	
15	WINARGYLE	COUNTRY ROAD WINSOME ARGYLE	TV	g	A	191	23	0.34	204	29	0.30	94	179	87	GAC	
16	GGJARDIN	JARDIN		g	A	190	36	0.23	881	6	-0.46	98	216	94	ABS	
17	VIKLIMBO	D LIMBO			I	190	29	0.06	965	46	0.06	68	230	61	VIK	
18	CRDELTA POLKA	DELTA POLKA			I	188	26	0.33	319	20	0.10	70	199	60	CRV	
19	COGENTTWIST	COGENT TWIST	TLTV		I	186	26	0.05	878	51	0.20	69	264	59	ALT	
20	YUKON	CARENDA YUKON	TV	g	A	186	21	0.08	631	63	0.52	95	105	88	GAC	

## Holstein Longevity

LONGEVITY RANK	BULL ID	BULL NAME	GENETIC CODES	GENOMICS INCLUDED	AUSTRALIAN PROVEN OR INTERNATIONAL	LONGEVITY		FERTILITY		TEMPERAMENT	RELIABILITY	TYPE			PROFIT		SOURCE
						SURVIVAL	RELIABILITY	FERTILITY	RELIABILITY			OVERALL TYPE	MAMMARY SYSTEM	RELIABILITY	APR	RELIABILITY	
1	7H9321	RALMA GOLD CROWN		g	A	112#	66	106	40			106#	105#	71	310	73	GAC
2	BOSCHSUPER	CHARLESDALE SUPERSTITION		g	I	112	61	105*	38			110	110	68	168	69	AGR
3	0200H005592	CRACKHOLM FEVER	TLTV		I	112	53					114	115	65	173	62	SEM
4	TFGOLDSUN	TOC-FARM GOLDSUN			I	112	48					118	121	60	154	57	
5	7H10011	BOSSIDE PS PRENTICE			I	112*	55					107	110	65	138	60	GAC
6	SHOTTLE	PICSTON SHOTTLE		g	A	111	92	105	87	105	96	110	108	98	235	97	ABS
7	COPIER	CURRAJUGLE COPIER-ET			A	111	66	101	43	101	81	106	105	73	218	78	GAC
8	14H5411	GLENN-ANN PALERMO			I	111	53					114	113	63	217	57	GAC
9	29H013601	CASCINA GIOBBI ZELGADIS	TLTV		I	111	47					116	115	58	137	56	ABS
10	29H014109	REGANCREST B BRENDAL			I	111*	49					114	118	59	121	55	ABS
11	FARMDEALER	MANNA FARM DEALER	CV	g	A	110	66	100	61	103	77	111	115	76	232	82	ALT
12	WESTGATE	GALLRAE JOCKO 3438		g	A	110	65	97	58	103	82	110	108	77	270	80	GAC
13	ERNESTO	PROBSTLAND ERNESTO		g	A	110	76	104	57	101	87	112	117	88	94	89	AGR
14	ACME	KHW ELM-PARK ACME			I	110	63					112	115	75	154	68	GAC
15	7H10506	MAPLE-DOWNS-I G W ATWOOD			I	110*	53					118	117	64	156	60	GAC
16	14H5399	HAMMER-CREEK GOLD KOLTON			I	110	50					114	113	59	155	55	GAC
17	7H9264	LIRR DREW DEMPSEY			I	110	49					114	114	61	178	60	GAC
18	GENOEXPLODE	WABASH-WAY EXPLODE			I	110*	43					110	110	52	138	53	AGR
19	STRUIK	GIESSEN STRUIK 245			I	110	49					114	112	63	104	58	GAC
20	7H9420	FUSTEAD GOLDWYN GUTHRIE			I	110	50					115	118	61	209	56	GAC
21	GOLDFISH	TOC-FARM GOLDFISH			I	110	47					115	117	59	157	57	GAC
22	0200H005658	KILDARE LAKOTA	TLTV		I	110	53					110	113	66	120	62	SEM
23	29H013454	DE-SU MOTIF			I	110	53					109	107	64	177	60	ABS

Fertility ABVs for Australian proven bulls with a minimum reliability of 30% have been included in the Longevity table.

## Holstein Mastitis Resistance

MASTITIS RANK	BULL ID	BULL NAME	GENETIC CODES	GENOMICS INCLUDED	AUSTRALIAN PROVEN OR INTERNATIONAL	CELL COUNT		MILKING SPEED	RELIABILITY	PROFIT		SOURCE
						CELL COUNT	RELIABILITY			APR	RELIABILITY	
1	HOJANOME	POOLEY BRIDGE JANOME	TLTC	g	A	180	80	101	82	108	84	SEM
2	29H013568	LUNCREST MILLARD	TV		I	180	62			241	58	ABS
3	BOSCRICKET	RALMA O-MAN CF CRICKET			I	180	83			196	62	CRV
4	SHOTTLE	PICSTON SHOTTLE		g	A	179	97	101	96	235	97	ABS
5	BOSSHAMPOO	PINE-TREE MARTHA SHAMPOO			I	179	71			229	62	AGR
6	EUROSTAR	ECLIPSE EUROSTAR		g	A	178	74	101	82	223	79	GAC
7	29H013536	COLDSPRINGS PRENTICE-ET	TV		I	178	61			218	57	ABS
8	GGGUARINI	GUARINI-ET	TV		I	177	73			302	58	ABS
9	PAROCAS	SALA SHOTTLE PAROCAS			I	177	65			209	55	GAC
10	BOSHOLMAN	WA-DEL RICE HOLMAN			I	175	75			152	61	AGR
11	29H012470	INDIJSK BABYLON		g	A	174	76	101	76	308	79	ABS
12	AVOIR	AVOIR SHO		g	A	174	78	95	67	138	79	AGR
13	VHTORLAN	TORLAN			I	174	81			159	62	VIK
14	VIKODDER	D ODDER		g	I	173	78			187	68	VIK
15	29H011909	WA-DEL HAYDEN			I	171	82			159	66	ABS
16	THROTTLE	ELMAR THROTTLE		g	A	169	76	101	80	223	81	ABS
17	29H011993	RALMA FOCUS			I	167	69			182	59	ABS
18	GOLDFISH	TOC-FARM GOLDFISH			I	166	67			157	57	GAC
19	29H013053	GRAN-J OMAN MCCORMICK		g	I	166	72			264	70	ABS
20	CRHILL	LOTTA-HILL SHOTTLE 41 - ET			I	166	65			199	58	AGR
21	29H013507	AQUILA SHOTTLE CRIVAL	TLTV		I	166	65			142	56	ABS
22	SPALLETTI	SABBIONA SPALLETTI			I	166	63			194	55	GAC
23	NANNERCH	AINTREE NANNERCH	TVTL		I	166	64			214	58	ALT

## Holstein Type

TYPE RANK	BULL ID	BULL NAME	GENETIC CODES	GENOMICS INCLUDED	AUSTRALIAN PROVEN OR INTERNATIONAL	TYPE			LONGEVITY		PROFIT		SOURCE
						OVERALL TYPE	MAMMARY SYSTEM	RELIABILITY	SURVIVAL	RELIABILITY	APR	RELIABILITY	
1	TFGOLDSUN	TOC-FARM GOLDSUN			I	118	121	60	112	48	154	57	
2	7H10506	MAPLE-DOWNS-I G W ATWOOD			I	118	117	64	110*	53	156	60	GAC
3	29H013306	EMMARK MAMMOTH			I	118	116	63	108	54	112	58	ABS
4	0200H003501	GILLETTE WINDBROOK	TLTV		I	118	114	64	106	49	98	58	SEM
5	011H010153	MR ATLEES ALTAAMAZING	TLTV		I	117	119	66	109	51	102	61	ALT
6	0200H002137	PINE-TREE SID	TLTV		I	117	118	66	106	55	90	62	SEM
7	29H013601	CASCINA GIOBBI ZELGADIS	TLTV		I	116	115	58	111	47	137	56	ABS
8	0200H005611	PREMIER-KERNDT SAILING	TLTV		I	116	115	63	105	52	165	57	SEM
9	94H014105	MS ATLEES SHT AFTERSHOCK			I	116	113	65	108*	54	124	61	ABS
10	7H9420	FUSTEAD GOLDWYN GUTHRIE			I	115	118	61	110	50	209	56	GAC
11	GOLDFISH	TOC-FARM GOLDFISH			I	115	117	59	110	47	157	57	GAC
12	WILLROCK	GILLETTE WILLROCK			I	115	116	66	106	52	114	61	GAC
13	GENWILDTHING	GILLETTE WILDTHING			I	115	116	66	106	52	114	61	GAC
14	29H013723	R-E-W GAMEDAY	TLTV		I	115	114	63	106	53	95	57	ABS
15	RIONEL	RIONEL AD			I	115	114	72	104*	68	153	74	AGR
16	14H5936	COYNE-FARMS BOLTON DOM			I	115	112	63	108*	52	117	57	GAC
17	0200H002106	STANTONS STEADY	TLTV		I	115	112	62	105	51	104	60	SEM
18	CRVBERNAC	BERNAC			I	115	107	62	108	49	218	61	CRV

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## Holstein Reliability

RELIABILITY RANK	BULL ID	BULL NAME	GENETIC CODES	GENOMICS INCLUDED	AUSTRALIAN PROVEN OR INTERNATIONAL	PROFIT		LONGEVITY		TYPE			FERTILITY		CALVING		SOURCE
						APR	RELIABILITY	SURVIVAL	RELIABILITY	OVERALL TYPE	MAMMARY SYSTEM	RELIABILITY	FERTILITY	RELIABILITY	CALVING EASE	RELIABILITY	
1	ROUMARE	ROUMARE		g	A	368	92	108	84	106	107	95	99	68	98	81	CRV
2	SHOTTLE	PICSTON SHOTTLE		g	A	235	97	111	92	110	108	98	105	87	98	96	ABS
3	GGJARDIN	JARDIN		g	A	216	94	104	86	97	104	95	98	81	102	93	ABS
4	GOLDSMITH	TOPSPEED H POTTER	TVTL	g	A	214	98	103	95	95	92	96	98	96	102	96	GAC
5	NLDCANVAS	DELTA CANVAS	RC		A	213	92	103	87	95	99	92	92	65	104	80	CRV
6	ABSTENNYSON	BURLANE TENNYSON			A	195	94	105	83	107	103	95	101	82	102	95	ABS
7	RONLY	RONLY		g	A	186	97	108	93	106	104	95	110	92	101	83	AGR
8	JOCKO	JOCKO BESN	TVTL	g	A	184	98	106	97	104	106	98	97	96	100	94	AGR
9	AMBFAVOUR	AURORA-DONOR FAVOUR			A	178	95	102	88	108	108	91	98	88	98	84	CRV
10	DONOR	ELITE MOUNTAIN DONOR IMP (E.T)	TV	g	A	178	99	103	99	103	101	99	99	99	96	99	ABS
11	ALTABREAKOUT	IJSSEVLIEDT 135 BREAKOUT		g	A	178	97	103	93	99	102	94	106	89	99	84	ALT
12	29H010483	RIDGE-STAR JAMMER	TLTV	g	A	178	91	108	80	106#	107#	82	101	72	100	94	ABS
13	BULLBAR	GLOMAR BULLBAR RB	TVRB	g	A	178	99	105	98	105	109	99	107	98	103	98	GAC
14	NINESCAPE	GLEN JURISTAN NINEFOLD ESCAPE	TXTV	g	A	176	92	102	78	103	107	86	102	76	101	91	GAC
15	LANCELOT	LANCELOT		g	A	174	98	104	96	104	102	98	102	94	101	95	AGR
16	NZGDAUNTLESS	MACFARLANES DAUNTLESS	TV	g	A	174	94	104	83	92#	92#	71	106	88	101	70	LIC
17	HOCHARGE	RIETBEN CHARGE		g	A	173	95	106	90	99	101	91	117	86	104	80	SEM
18	THRUSTERJET	WINDORLEE GOLDBULLION TURBINE	TVTC	g	A	166	92	102	76	102	98	88	104	81	102	89	GAC
19	JUNCO	PURNIM GOLD CHALLENGE		g	A	166	94	107	84	108	101	89	104	86	99	90	ABS
20	NINEFOLD	KEYMER NINA WINLUKE	TL	g	A	154	99	103	99	102	100	99	102	99	98	97	GAC
21	CRITOYSTORY	JENNY-LOU MRSHL TOYSTORY		g	A	152	97	106	92	107	112	98	102	86	102	95	AGR
22	NZLEGEND	TUTBURY'S LEGEND		g	A	150	91	105	79	86#	86#	63	111	84			LIC
23	NZGKILMORY	SRC BAGWORTH KILMORY		g	A	146	91	103	76	91#	88#	69	107	82	104	61	LIC
24	NLDBEVERLAKE	BEVERLAKE LOUSON	TLTV		A	144	96	99	92	99	106	89	96	90	101	86	CRV
25	NLDADEPT	DE CROB ADEPT	TLTV		A	144	90	100	81	100#	102#	80	98	71	100	77	CRV
26	DNKEATON	V EATON			A	143	92	105	87	106#	106#	84	95	75	99	78	CRV
27	BELLTOWER	HILL VALLEY DON ALLWYN	TV	g	A	141	97	105	94	97	99	94	107	95	102	89	GAC
28	GGLAUDAN	LAUDAN			A	139	90	104	85	105#	109#	86	105	72	101	85	ABS
29	HOBUCK	R-E-W BUCKEYE		g	A	139	95	107	91	105	110	97	109	78	101	82	SEM
30	7H6782	OCEAN-VIEW ZENITH-TW		g	A	138	94	106	90	100	102	93	105	80	101	80	GAC
31	NLD973318	DELTA OLYMPIC			A	137	95	102	86	105	104	93	104	81	101	91	CRV
32	GGJURUS	JURUS		g	A	134	90	105	79	106	101	89	103	70	101	85	ABS
33	DONANTE	HILL VALLEY DON ANDANTE ET	TV	g	A	131	99	104	98	106	110	99	99	98	96	98	GAC
34	BLACKSTORM	IERAVALLE BLACKSTORM		g	A	128	92	105	78	106	107	89	102	79	101	88	GAC
35	JUSTIFIER	TOPSPEED JUSTIFIER	TV	g	A	118	99	104	97	103	110	98	101	98	102	98	GAC
36	BROOKVIEW	LUTZ-BROOKVIEW BURT		g	A	113	94	104	87	110#	108#	83	96	81	102	94	ABS
37	NLDKIAN	KIAN			A	113	90	103	82	98#	100#	82	107	61	103	80	CRV
38	RICHFIELD	LOHAVON RICHFIELD-ET	TCTV	g	A	110	98	100	97	102	101	96	99	97	102	93	GAC
39	PLUMSAIR	PATTANGA PLUMS BULLIONAIRE ET		g	A	106	94	102	84	107	104	89	100	85	100	83	GAC
40	ABSBOLIVER	END-ROAD PVF BOLIVER		g	A	106	97	106	94	105	106	97	101	94	101	94	ABS
41	HOLADINO	LADINO PARK TALENT-IMP-ET	RCTL	g	A	104	99	108	99	111	114	99	101	99	100	98	SEM
42	VOODOO	GLYNYARI VODOO-ET	TCTLRC	g	A	96	97	103	93	106	104	92	97	93	100	85	GAC
43	GOBETWEEN	HILL VALLEY DON GOULBURN	TV	g	A	95	97	101	92	102	96	91	94	93	98	87	GAC
44	HOLOGON	ELMAR LOGON		g	A	94	92	105	84	109	109	91	100	79	99	72	SEM
45	BILLIONAIRE	STRATHAIRE GOLDBULLION BILLIONAIRE	TV	g	A	91	96	103	88	107	106	94	106	92	102	91	GAC
46	WINSOME	EUREKA WINSOME-IMP-ET	TV	g	A	86	98	98	97	99	101	96	104	97	104	88	GAC

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## Holstein Profit - Genomic ABV(g)s

Holstein Profit - Genomic ABV(g)s						PROFIT		PRODUCTION						TYPE			FERTILITY		
PROFIT RANK	BULL ID	BULL NAME	GENETIC CODES	GENOMICS INCLUDED	AUSTRALIAN PROVEN OR INTERNATIONAL	APR	RELIABILITY	ASI	RELIABILITY	AUSTRALIAN DAUGHTERS	AUSTRALIAN HERDS	SURVIVAL	RELIABILITY	OVERALL TYPE	MAMMARY SYSTEM	RELIABILITY	DAUGHTER FERTILITY	RELIABILITY	SOURCE
1	CANBEE	COUNTRY ROAD ROUMARE CANBEE		g	A	341	58	284	64	0	0	108	45	106	105	48	98	42	ALT
2	JETFINN	JET STAR INFORMER FINN-ET		g	A	322	60	268	64	0	0	106	52	107	107	55	101	50	GAC
3	KMA	JET STAR YSHOUT KMA-ET		g	A	304	58	291	64	0	0	103	45	106	108	49	97	41	GAC
4	CARMARE	KAARMONA CARMARE		g	A	304	57	222	64	0	0	108	43	102	102	48	102	39	GAC
5	CRACKAJACK	ECLIPSE ROUMARE CRACKAJACK		g	A	296	59	225	64	0	0	106	48	103	104	52	98	44	GAC
6	CHRISTMAS	EMU BANKS CHRISTMAS-ET		g	A	294	60	248	64	0	0	105	50	104	101	54	100	47	GAC
7	JANEK	RENGAW JARDIN JANEK		g	A	292	57	228	64	0	0	105	43	102	106	47	101	40	ABS
8	CARLANA	KAARMONA CARLANA		g	A	290	57	192	64	0	0	105	42	101	102	46	103	38	GAC
9	MIDNIGHTSPEC	HILL VALLEY MIDNIGHT SPECIAL		g	A	289	58	242	64	0	0	106	45	103	104	50	100	42	ABS
10	SMARTIE	JET STAR GOLDWYN SMARTIE		g	A	286	58	179	64	0	0	109	47	108	110	51	102	43	GAC
11	QTRBACK	ECLIPSE ORANA QTRBACK-ET	TLTV	g	A	285	56	238	64	0	0	104	39	104	105	43	97	35	ABS
12	CINCH	HILL VALLEY CINCH-ET		g	A	284	58	230	64	0	0	107	45	102	104	49	99	41	GAC
13	LINEUP	GORBRO PARADE		g	A	282	58	256	64	0	0	104	46	103	104	50	98	43	GAC
14	CRVGLAMORGAN	GLAMORGAN FREDDIE TIFFANY		g	A	282	50	219	59	0	0	103	35	101	103	37	102	32	CRV
15	ALIAS	KIRK ANDREWS ALIAS		g	A	281	58	238	65	0	0	103	44	100	100	46	102	42	GAC
16	CARGOLD	KAARMONA CARGOLD		g	A	281	58	183	64	0	0	108	45	106	110	49	102	42	GAC
17	COROL	KAARMONA COROL-ET	TLTV	g	A	279	57	202	64	0	0	104	44	103	105	48	102	40	ABS
18	GEROLD	ELMAR GEROLD	TLTV	g	A	278	51	183	59	0	0	107	35	103	105	38	103	33	ABS
19	BANGLIT	ST CLAIR BANDIT - ET		g	A	276	58	147	64	0	0	109	47	107	107	51	104	44	AGR
20	LAIDLEY	GLOMAR LAIDLEY		g	A	274	57	232	64	0	0	106	44	98	100	47	98	40	GAC
21	ROLLBAR	EMU BANKS ROUBAR		g	A	274	58	224	64	0	0	104	45	101	104	50	102	42	GAC
22	REALM	ECLIPSE ROUMARE REALM		g	A	272	60	253	68	11	5	105	44	102	102	47	96	40	GAC
23	CARLIN	KAARMONA CARLIN		g	A	268	58	217	64	0	0	105	47	101	102	50	100	43	GAC
24	QUIZZICAL	ECLIPSE QUIZZICAL		g	A	267	56	228	64	0	0	103	38	100	104	40	100	35	GAC
25	KISACHI	JET STAR MRSAM KISACHI-ET		g	A	267	58	204	65	0	0	107	44	108	110	47	102	40	GAC
26	GDDAMBREUIL	DAMBREUIL		g	A	266	55	179	63	0	0	108	39	105	106	43	99	36	CRV
27	JONTYO	KANDES JONTY O - ET		g	A	262	57	220	64	0	0	104	43	104	106	47	98	39	AGR
28	BOSLIEUTENT	HSS R LIEUTENANT		g	A	261	58	190	64	0	0	107	46	100	99	49	98	42	CRV
29	LAZZARO	GLOMAR LAZZARO		g	A	261	56	178	64	0	0	107	40	102	103	43	104	37	ABS
30	NIELS	HILL VALLEY NIELS		g	A	260	50	157	59	0	0	106	33	102	104	38	103	26	ABS

**Use a team:** Genomically tested sires should not be treated the same as proven sires, as the reliability of ABV(g)s is about the same as a bull with 30 milking daughters. If you want to replace proven bulls with young genomic sires, it's recommended that for every proven bull you remove from your bull team, you replace it with at least two unrelated young genomically tested sires.

## Look Up Charts

## GOOD BULLS GUIDE SPECIFICATIONS

To be included, bulls must

- Be active with an ABV, ABV(i) or ABV(g)
- Meet minimum reliability requirements
- Be amongst the best in their breed for Australian Profit Ranking

**Type** list sorted by Overall Type, Mammary System, Survival, Pin Set

**Production** list sorted by ASI, Protein kg, Fat kg

**Longevity** list sorted by Survival, Fertility, Temperament

**Mastitis Resistance** list sorted by Cell Count, Milking Speed, Survival

**Profit** list sorted by APR, ASI, Protein kg, Fat kg

**Reliability** list are those bulls with a minimum APR Reliability of 90%

For more details, go to [www.adhis.com.au](http://www.adhis.com.au)

## SOURCE OF BULLS

ALT	Alta Genetics	RED	AUSRED Genetics
ABS	ABS Australia	SEM	Semex Australia
AGR	Agri-Gene	VIK	Viking Genetics
CRV	CRV Australia	WAS	Woodlands Ag Services
GAC	Genetics Australia	WYA	Wyatt AB
LIC LIV	Livestock Improvement	TBA	To Be Advised
RAG	Raging Bulls		

## GENETIC CODES FOR HOLSTEIN BULLS

	Tested Positive	Tested Negative
CVM	CV	TV
BLAD	BL	TL
Citrullinaemia	CN	TC
DUMPS	DP	TD
Mulesfoot	MF	TM
Factor XI	XI	TX
Red Carrier	RC	TR



## Jersey Profit - Proven Australia

Jersey Profit - Proven Australia						PROFIT		PRODUCTION				LONGEVITY		TYPE			
PROFIT RANK	BULL ID	BULL NAME	GENOMICS INCLUDED	AUSTRALIAN PROVEN OR INTERNATIONAL	APR	RELIABILITY	ASI	RELIABILITY	AUSTRALIAN DAUGHTERS	AUSTRALIAN HERDS	SURVIVAL	RELIABILITY	OVERALL TYPE	MAMMARY SYSTEM	RELIABILITY	SOURCE	
1	SANDBLAST	NOWELL SANDBLAST	g	A	357	80	284	86	79	21	103	67	111	114	77	AGR	
2	VANAHLEM	PANNOO ABE VANAHLEM	g	A	255	73	205	79	46	24	107	61	125	119	73	ALT	
3	ELTON	CAIRNBRAE JACES ELTON	g	A	246	87	189	94	228	77	106	73	108	108	80	ABS	
4	GAINFUL	KAARMONA GALEAO	g	A	228	80	173	86	82	44	104	66	116	113	75	GAC	
5	LARFALOT	LIGHTWOOD LUCRATIVE	g	A	223	87	165	93	195	82	106	73	113	107	79	GAC	
6	BAKARI	MELDAN BAKARI	g	A	218	73	205	79	53	29	101	57	100	103	67	GAC	
7	TAILBOARD	NOWELL TARSAN	g	A	209	96	170	99	1140	225	103	89	108	105	88	GAC	
8	AMBMANHATTEN	OKURA MANHATTEN-ET SJ3	g	A	204	98	209	99	1640	231	102	94	101	96	95	CRV	
9	HARLAND	WHITE STAR HARLAND	g	A	189	79	203	86	112	41	100	63	94	92	73	GAC	
10	SPIRITUAL	RIVERSIDE SPIRIT		A	164	92	84	98	1019	203	106	76	109	106	89	AGR	
11	BARTPOWER	DARAWAY FLOWERPOWER SATIRA	g	A	164	93	78	97	530	152	105	81	115	116	88	GAC	
12	NZGBANGA	LOXLEA ACL OSWALD	g	A	158	87	143	93	133	32	100	73	92	96	80	LIC	
13	VISIONARY	DENSON DALE MJ VISIONARY	g	A	156	81	126	87	68	25	101	66	111	107	78	ABS	
14	JURACE	KAARMONA JURACE	g	A	154	80	115	87	86	30	105	66	108	107	72	WWS	
15	SARATOGA	BERCAR SARATOGA	g	A	150	94	78	97	462	148	106	87	105	103	85	GAC	
16	BOSREFUTE	WALLACEDALE VIOLETS REFUTE	g	A	146	80	145	88	104	38	104	61	110	109	71	CRV	
17	PASSIVE	BERCAR PASSIVE	g	A	146	97	103	99	1107	223	106	92	106	103	92	GAC	
18	JEJEEP	KAARMONA JEEP	g	A	144	86	105	92	138	49	105	73	106	104	83	SEM	
19	PROMVIEW	PROM VIEW ASTOUND POWER	g	A	143	82	170	88	87	32	100	69	110	114	80	ALT	
20	NEKEY	DENSON DALE N E KEYSTONE	g	A	142	79	120	87	57	23	101	62	106	104	73	ABS	
21	BADGER	BEULAH TARANAK BADGER	g	A	141	98	74	99	2929	429	107	96	111	104	96	GAC	
22	MAXIMUM	SUNSET CANYON MAXIMUM	g	A	139	89	76	95	228	48	105	79	109	102	86	AGR	
23	BETAHEAD	KINGS VILLE OUTDO	g	A	125	82	122	88	83	39	102	68	110	101	74	GAC	
24	MEDIATOR	SILHOUETTE MEDIATOR	g	A	119	95	90	98	755	166	103	88	110	103	87	GAC	
25	NZGPERO	ARDACHIE CHAD PERO	g	A	115	83	91	90	78	19	100	70	89	90	79	LIC	
26	CLEARCUT	JARNDIE CLEARCUT	g	A	108	95	65	98	642	157	103	87	102	101	88	GAC	
27	OUTINFRONT	LIGHTWOOD LEDA	g	A	107	98	101	99	2280	385	103	97	113	105	96	GAC	
28	PVARAMIS	FLEURIEU BERRETTA ARAMIS	g	A	106	91	81	96	351	91	100	80	93	98	79	AGR	
29	DEFROST	LOXLEIGH DEFROST		A	103	78	98	86	78	39	104	61	107	103	71	GAC	
30	JECLANCY	BOGGABILLA CLANCY	g	A	100	74	100	81	62	24	101	58	105	107	65	SEM	



## Jersey Profit

Jersey Profit					PROFIT		PRODUCTION					LONGEVITY		TYPE			
PROFIT RANK	BULL ID	BULL NAME	GENOMICS INCLUDED	AUSTRALIAN PROVEN OR INTERNATIONAL	APR	RELIABILITY	ASI	RELIABILITY	AUSTRALIAN DAUGHTERS	AUSTRALIAN HERDS	FOREIGN DAUGHTERS FIRST	SURVIVAL	RELIABILITY	OVERALL TYPE	MAMMARY SYSTEM	RELIABILITY	SOURCE
1	SANDBLAST	NOWELL SANDBLAST	g	A	357	80	284	86	79	21		103	67	111	114	77	AGR
2	BOSMURMUR	OKURA LIKA MURMUR S3J		I	266	59	211	71			89	105	42	100	100	53	CRV
3	VANAHLEM	PANNOO ABE VANAHLEM	g	A	255	73	205	79	46	24		107	61	125	119	73	ALT
4	ELTON	CAIRNBRAE JACES ELTON	g	A	246	87	189	94	228	77		106	73	108	108	80	ABS
5	NZGGREENY	GREENPARK OM TARGET	g	I	229	67	226	78			1137	102	48	101	97	61	LIC
6	NZGHAYWARDS	HAYWARDS TGM AIM S3J		I	228	54	194	69			125	101	34	95	96	56	LIC
7	GAINFUL	KAARMONA GALEAO	g	A	228	80	173	86	82	44		104	66	116	113	75	GAC
8	CRVMANZELLO	PUKEROA TGM MANZELLO		I	227	54	217	68			113	102	33	98	97	58	CRV
9	NZGGEORGEY	CENTRAL VALLEY GEORGE S3J		I	227	52	208	66			72	101	31	95	95	56	LIC
10	VIKHULK	DJ HULK		I	225	56	192	68			1819	102	45	93	94	54	VIK
11	LARFALOT	LIGHTWOOD LUCRATIVE	g	A	223	87	165	93	195	82		106	73	113	107	79	GAC
12	BAKARI	MELDAN BAKARI	g	A	218	73	205	79	53	29		101	57	100	103	67	GAC
13	TAILBOARD	NOWELL TARSAN	g	A	209	96	170	99	1140	225		103	89	108	105	88	GAC
14	TBONE	RICHIES JACE TBONE A364		I	207	65	125	69			7816	106	64	120	111	67	AGR
15	VIKJANTE	DJ JANTE	g	I	206	67	128	75			143	106	58	111	103	63	VIK
16	AMBMANHATTEN	OKURA MANHATTEN-ET SJ3	g	A	204	98	209	99	1640	231		102	94	101	96	95	CRV
17	CRVARRIETA	ARRIETA TGM DIABLO ET		I	201	54	191	68			94	103	33	101	100	57	CRV
18	HARLAND	WHITE STAR HARLAND	g	A	189	79	203	86	112	41		100	63	94	92	73	GAC
19	NZGGLENGENI	GLENHAVEN TGM GENIUS S3J	g	I	185	67	184	78			1926	102	47	93	96	60	LIC
20	CRVCANAAN	CANAAN NEVY PIONEER		I	180	52	165	66			60	102	31	99	99	50	CRV
21	NZGJOSKIN	TIRONUI OM JOSKIN	g	I	179	63	169	73			67	102	46	103	99	59	LIC
22	29JE3487	CAL-MART JACE SIMBA	g	I	179	70	149	78			105	105	60	114	104	66	ABS
23	CRVELICIT	MARSDEN NN ELICIT		I	176	52	167	66			79	102	31	96	100	54	CRV
24	0200JE00060	BW RENEGADE	g	I	175	58	146	69			95	104*	41	111	105	50	SEM
25	VIKLIX	DJ LIX		I	172	54	126	66			185	103*	46	100	104	49	VIK
26	JEBELLEBARON	UNIQUE BELLES RED BARON	g	I	171	70	106	78			80	105	60	106	105	67	SEM
27	NZGEDIFY	DONALDS EDIFY	g	I	170	71	124	81			17315	101	53	92	96	64	LIC
28	BOSDJZUMA	DJ ZUMA		I	166	55	82	67			182	106	46	102	104	52	CRV
29	NZGLYNTRADE	LYNBROOK TRADEMARK S3J	g	I	164	69	230	79			9062	100	52	95	86	63	LIC
30	SPIRITUAL	RIVERSIDE SPIRIT		A	164	92	84	98	1019	203		106	76	109	106	89	AGR
31	BARTPOWER	DARAWAY FLOWERPOWER SATIRA	g	A	164	93	78	97	530	152		105	81	115	116	88	GAC
32	NZGIVINS	OKURA LFB IVINS	g	I	163	65	143	77			188	103	46	102	98	59	LIC
33	NZGHAWTHORN	HAWTHORN GROVE ZEUS	g	I	162	71	98	81			3151	103	51	100	105	67	LIC
34	011JE0944	D&E PAUL		I	160	53	140	63			73	106	46	114	112	57	ALT
35	NZGBANGA	LOXLEA ACL OSWALD	g	A	158	87	143	93	133	32		100	73	92	96	80	LIC
36	VISIONARY	DENSON DALE MJ VISIONARY	g	A	156	81	126	87	68	25		101	66	111	107	78	ABS
37	NZGOKURAICE	OKURA DE ICE	g	I	155	65	132	75			89	103	46	98	99	59	LIC
38	JURACE	KAARMONA JURACE	g	A	154	80	115	87	86	30		105	66	108	107	72	WWS
39	VIKIZZY	DJ IZZY		I	154	60	93	69			863	103	50	94	98	57	VIK
40	NZGDODDY	MAGHERACANON DODDY GR	g	A	153	92	130	97	439	66		101	82	95#	99#	76	LIC
41	NZLLIKABULL	MITCHELLS LIKABULL SJ3	g	A	152	93	143	98	503	57		101	84	94#	93#	72	LIC
42	SCAPPARITION	SUNSET CANYON APPARITION	g	I	152	70	97	75			2799	105	66	102	96	69	AGR
43	SARATOGA	BERCAR SARATOGA	g	A	150	94	78	97	462	148		106	87	105	103	85	GAC
44	TETAHI	BRAEDENE DJ TETAHI		I	149	57	102	70			87	103	36	98	97	54	AGR
45	BOSCANYON	SUNSET CANYON ANTHEMS ALLSTAR		I	148	54	120	67			130	103	49	110	106	61	AGR
46	NZGTRADESMAN	LYNBROOK TRADESMAN S3J	g	I	146	69	209	79			3582	99	52	89	85	62	LIC
47	BOSZEALOT	WHITMORE MAN ZEALOT		I	146	60	159	71			115	102	43	104	101	58	CRV
48	BOSREFUTE	WALLACEDALE VIOLETS REFUTE	g	A	146	80	145	88	104	38		104	61	110	109	71	CRV
49	PASSIVE	BERCAR PASSIVE	g	A	146	97	103	99	1107	223		106	92	106	103	92	GAC
50	ALTAGALAXIES	GALAXIES CELEBRITY		I	146	62	62	70			1506	108	56	118	113	65	AL

\* Denotes an ABV that incorporates Australian data, all other traits for this bull are ABV(i)s using data from foreign daughters.

# Denotes an ABV(i) using data from foreign daughters For the full Good Bulls Guide list, go to [www.adhis.com.au](http://www.adhis.com.au)

## Jersey Production

PRODUCTION RANK	BULL ID	BULL NAME	GENOMICS INCLUDED	AUSTRALIAN PROVEN OR INTERNATIONAL	PRODUCTION TRAITS							PROFIT		SOURCE
					ASI	PROTEIN KG	PROTEIN %	MILK L	FAT Kg	FAT %	RELIABILITY	APR	RELIABILITY	
1	<b>SANDBLAST</b>	NOWELL SANDBLAST	g	A	<b>284</b>	40	0.41	606	38	0.11	86	357	80	AGR
2	<b>NZGLYNTRADE</b>	LYNBROOK TRADEMARK S3J	g	I	<b>230</b>	28	0.39	293	39	0.44	79	164	69	LIC
3	<b>NZGGREENY</b>	GREENPARK OM TARGET	g	I	<b>226</b>	27	0.27	433	48	0.48	78	229	67	LIC
4	<b>CRVMANZELLO</b>	PUKEROA TGM MANZELLO		I	<b>217</b>	20	0.46	-29	50	0.98	68	227	54	CRV
5	<b>BOSMURMUR</b>	OKURA LIKA MURMUR S3J		I	<b>211</b>	27	0.25	454	41	0.32	71	266	59	CRV
6	<b>NZGTRADESMAN</b>	LYNBROOK TRADESMAN S3J	g	I	<b>209</b>	26	0.39	222	32	0.38	79	146	69	LIC
7	<b>AMBMANHATTEN</b>	OKURA MANHATTEN-ET SJ3	g	A	<b>209</b>	25	0.39	212	34	0.42	99	204	98	CRV
8	<b>NZGGEORGEY</b>	CENTRAL VALLEY GEORGE S3J		I	<b>208</b>	16	0.45	-149	58	1.26	66	227	52	LIC
9	<b>VANAHLEM</b>	PANNOO ABE VANAHLEM	g	A	<b>205</b>	32	0.01	944	38	-0.25	79	255	73	ALT
10	<b>BAKARI</b>	MELDAN BAKARI	g	A	<b>205</b>	21	0.46	-24	39	0.77	79	218	73	GAC

## Jersey Longevity

LONGEVITY RANK	BULL ID	BULL NAME	GENOMICS INCLUDED	AUSTRALIAN PROVEN OR INTERNATIONAL	LONGEVITY		FERTILITY		TEMPERAMENT		TYPE			PROFIT		SOURCE
					SURVIVAL	RELIABILITY	FERTILITY	RELIABILITY	TEMPERAMENT	RELIABILITY	OVERALL TYPE	MAMMARY SYSTEM	RELIABILITY	APR	RELIABILITY	
1	<b>ALTAGALAXIES</b>	GALAXIES CELEBRITY		I	<b>108</b>	56					118	113	65	146	62	ALT
2	<b>29JE3510</b>	SCHULTZ RESCUE HEADLINE	g	I	<b>108</b>	58	106*	35			109	106	66	107	67	ABS
3	<b>BADGER</b>	BEULAH TARANAK BADGER	g	A	<b>107</b>	96	100	96	102	99	111	104	96	141	98	GAC
4	<b>VANAHLEM</b>	PANNOO ABE VANAHLEM	g	A	<b>107</b>	61	95	42	105	73	125	119	73	255	73	ALT
5	<b>KARBALA</b>	BW KARBALA		I	<b>107*</b>	53					109	108	62	113	58	ALT
6	<b>SPIRITUAL</b>	RIVERSIDE SPIRIT		A	<b>106</b>	76	106	80	103	96	109	106	89	164	92	AGR
7	<b>SARATOGA</b>	BERCAR SARATOGA	g	A	<b>106</b>	87	103	86	102	93	105	103	85	150	94	GAC
8	<b>LARFALOT</b>	LIGHTWOOD LUCRATIVE	g	A	<b>106</b>	73	102	68	102	88	113	107	79	223	87	GAC
9	<b>PASSIVE</b>	BERCAR PASSIVE	g	A	<b>106</b>	92	100	93	101	97	106	103	92	146	97	GAC
10	<b>ELTON</b>	CAIRNBRAE JACES ELTON	g	A	<b>106</b>	73	98	68	106	82	108	108	80	246	87	ABS

## Jersey Mastitis Resistance

MASTITIS RANK	BULL ID	BULL NAME	GENOMICS INCLUDED	AUSTRALIAN PROVEN OR INTERNATIONAL	CELL COUNT		MILKING SPEED		PROFIT		SOURCE
					CELL COUNT	RELIABILITY	MILKING SPEED	RELIABILITY	APR	RELIABILITY	
1	<b>VIKHOLMER</b>	DJ HOLMER		I	<b>169</b>	68			117	54	VIK
2	<b>VIKJANTE</b>	DJ JANTE	g	I	<b>155</b>	74			206	67	VIK
3	<b>BOSDJZUMA</b>	DJ ZUMA		I	<b>153</b>	69			166	55	CRV
4	<b>VIKIZZY</b>	DJ IZZY		I	<b>153</b>	73			154	60	VIK
5	<b>NZGHAWTHORN</b>	HAWTHORN GROVE ZEUS	g	I	<b>146</b>	93			162	71	LIC
6	<b>GAINFUL</b>	KAARMONA GALEAO	g	A	<b>139</b>	80	100	83	228	80	GAC
7	<b>RAYMARK</b>	ALL LYNN'S HALLMARK	g	I	<b>139</b>	82			101	73	AGR
8	<b>VIKLIX</b>	DJ LIX		I	<b>138</b>	69			172	54	VIK
9	<b>BOSMURMUR</b>	OKURA LIKA MURMUR S3J		I	<b>135</b>	77			266	59	CRV
10	<b>ALTAGALAXIES</b>	GALAXIES CELEBRITY		I	<b>134</b>	65			146	62	ALT

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## Jersey Type

TYPE RANK	BULL ID	BULL NAME	GENOMICS INCLUDED	AUSTRALIAN PROVEN OR INTERNATIONAL	TYPE			LONGEVITY		PROFIT		SOURCE
					OVERALL TYPE	MAMMARY SYSTEM	RELIABILITY	SURVIVAL	RELIABILITY	APR	RELIABILITY	
1	<b>VANAHLEM</b>	PANNOO ABE VANAHLEM	g	A	<b>125</b>	119	73	107	61	255	73	ALT
2	<b>TBONE</b>	RICHIES JACE TBONE A364		I	<b>120</b>	111	67	106	64	207	65	AGR
3	<b>ALTAGALAXIES</b>	GALAXIES CELEBRITY		I	<b>118</b>	113	65	108	56	146	62	ALT
4	<b>0200JE00944</b>	MAACKDAIRY REGION	g	I	<b>117</b>	108	68	105	59	114	68	SEM
5	<b>GAINFUL</b>	KAARMONA GALEAO	g	A	<b>116</b>	113	75	104	66	228	80	GAC
6	<b>BARTPOWER</b>	DARAWAY FLOWERPOWER SATIRA	g	A	<b>115</b>	116	88	105	81	164	93	GAC
7	<b>011JE0944</b>	D&E PAUL		I	<b>114</b>	112	57	106	46	160	53	ALT
8	<b>29JE3487</b>	CAL-MART JACE SIMBA	g	I	<b>114</b>	104	66	105	60	179	70	ABS
9	<b>LARFALOT</b>	LIGHTWOOD LUCRATIVE	g	A	<b>113</b>	107	79	106	73	223	87	GAC
10	<b>OUTINFRONT</b>	LIGHTWOOD LEDA	g	A	<b>113</b>	105	96	103	97	107	98	GAC

## Jersey Reliability

RELIABILITY RANK	BULL ID	BULL NAME	GENOMICS INCLUDED	AUSTRALIAN PROVEN OR INTERNATIONAL	PROFIT		LONGEVITY		TYPE			FERTILITY		SOURCE
					APR	RELIABILITY	SURVIVAL	RELIABILITY	OVERALL TYPE	MAMMARY SYSTEM	RELIABILITY	FERTILITY	RELIABILITY	
1	<b>TAILBOARD</b>	NOWELL TARSAN	g	A	<b>209</b>	96	103	89	108	105	88	97	92	GAC
2	<b>AMBMANHATTEN</b>	OKURA MANHATTEN-ET SJ3	g	A	<b>204</b>	98	102	94	101	96	95	98	94	CRV
3	<b>SPIRITUAL</b>	RIVERSIDE SPIRIT		A	<b>164</b>	92	106	76	109	106	89	106	80	AGR
4	<b>BARTPOWER</b>	DARAWAY FLOWERPOWER SATIRA	g	A	<b>164</b>	93	105	81	115	116	88	107	82	GAC
5	<b>NZGDODDY</b>	MAGHERACANON DODDY GR	g	A	<b>153</b>	92	101	82	95#	99#	76	104	81	LIC
6	<b>NZLLIKABULL</b>	MITCHELLS LIKABULL SJ3	g	A	<b>152</b>	93	101	84	94#	93#	72	103	87	LIC
7	<b>SARATOGA</b>	BERCAR SARATOGA	g	A	<b>150</b>	94	106	87	105	103	85	103	86	GAC
8	<b>PASSIVE</b>	BERCAR PASSIVE	g	A	<b>146</b>	97	106	92	106	103	92	100	93	GAC
9	<b>BADGER</b>	BEULAH TARANAK BADGER	g	A	<b>141</b>	98	107	96	111	104	96	100	96	GAC
10	<b>29JE3314</b>	WOODSTOCK LEXINGTON	g	A	<b>125</b>	90	104	80	106#	103#	82	99	74	ABS

## Jersey Profit - Genomic ABV(g)s

Jersey Profit - Genomic ABV(g)s					PROFIT		PRODUCTION						TYPE			FERTILITY		
PROFIT RANK	BULL ID	BULL NAME	GENOMICS INCLUDED	AUSTRALIAN PROVEN OR INTERNATIONAL	APR	RELIABILITY	ASI	RELIABILITY	AUSTRALIAN DAUGHTERS	AUSTRALIAN HERDS	SURVIVAL	RELIABILITY	OVERALL TYPE	MAMMARY SYSTEM	RELIABILITY	DAUGHTER FERTILITY	RELIABILITY	SOURCE
1	VAVOOM	ROCKLEIGH PARK VALERIAN VAVOOM	g	A	335	54	292	61	2	2	105	40	107	103	45	102	37	ABS
2	BOSGREGSTAR	WHITE STAR GREG	g	A	299	50	251	56	0	0	106	37	112	107	40	100	34	CRV
3	0200JE08165	BROADLIN HATMAN	g	A	292	52	230	59	0	0	106	38	113	112	45	100	32	SEM
4	STRZELECKI	ARALUEN PARK STRZELECKI	g	A	248	49	205	57	0	0	105	35	109	105	41	101	31	GAC
5	SOVANN	KAARMONA SOVANN-ET	g	A	248	49	192	57	0	0	105	35	108	109	39	105	32	GAC
6	RACEWAY	ABERDEEN VALERIAN SANDOWN-ET	g	A	247	60	205	66	0	0	106	48	113	110	52	100	46	GAC
7	CRVLINE	PANNOO VLINE	g	A	238	57	192	64	0	0	105	44	110	106	49	101	40	CRV
8	FRONTIER	BEULAH FRONTIER	g	A	232	57	182	64	0	0	105	44	112	102	47	102	41	GAC
9	TENGEN	MOROKA TENGEN	g	A	230	48	188	55	0	0	104	36	107	106	39	102	33	GAC
10	SPANNER	BROADLIN SPANNER	g	A	229	51	178	59	0	0	105	37	105	106	43	100	32	GAC
11	PELHAM	BEULAH PELHAM	g	A	229	55	155	63	0	0	105	40	115	109	45	105	35	GAC
12	ROUNDHILL	ABERDEEN VALERIAN ROUNDHILL-ET	g	A	227	57	178	64	0	0	105	45	105	104	48	104	42	GAC
13	VIPOR	NOWELL VIPER	g	A	226	60	164	66	0	0	105	49	108	108	53	105	47	CRV
14	SADLER	WHITE STAR SADLER	g	A	225	56	207	62	0	0	102	42	109	106	48	98	38	GAC
15	SMACKDOWN	ABERDEEN VALERIAN SMACKDOWN	g	A	220	58	173	64	0	0	105	46	106	107	50	101	44	ALT
16	200JE8156	BROADLIN NAVAGAY	g	A	218	58	182	66	0	0	104	44	111	112	50	100	40	SEM
17	BROADSIDE	BROADLIN 2420 SPIRITUAL	g	A	218	54	146	61	0	0	106	39	112	109	45	104	37	GAC
18	CSCAMBITION	RIVERSIDE AMBITION	g	A	216	61	142	68	0	0	105	47	111	110	54	104	40	ABS



## Red Breeds Profit - Proven Australia

PROFIT RANK	BULL ID	BULL NAME	GENETIC CODES	AUSTRALIAN PROVEN OR INTERNATIONAL	PROFIT		PRODUCTION				LONGEVITY		TYPE			SOURCE
					APR	RELIABILITY	ASI	RELIABILITY	AUSTRALIAN DAUGHTERS	AUSTRALIAN HERDS	SURVIVAL	RELIABILITY	OVERALL TYPE	MAMMARY SYSTEM	RELIABILITY	
1	PETERSLUND	PETERSLUND 1213		A	220	95	106	98	725	102	108	90	96	94	84	VIK
2	ARBBONJOVI	BOSGOWAN BON JOVI		A	208	81	143	89	107	55	104	63	111	104	71	GAC
3	ARBLIPPMAN	BOSGOWAN LIPPMAN		A	194	77	132	88	109	38	104	49	107	108	51	GAC
4	ARBBOBDOWN	LODEN BOB		A	178	84	151	92	162	78	104	66	109	104	71	GAC
5	BOTANS3829	BOTANS 3829		A	176	94	109	98	660	90	105	86				VIK
6	ARBPOTSIE	GRAZIN POTSIE		A	175	79	147	88	105	49	100	57	98	93	65	GAC
7	ARBLEX	BEAULANDS LORRY		A	172	77	112	87	101	50	106	52	116	107	54	GAC
8	GGDRAGOMIR	DRAGOMIR		A	165	80	115	90	113	31	104	61				ABS
9	OBROLIN1804	O BROLIN 1804		A	158	88	83	95	252	44	107	74	103	104	75	VIK
10	ARBMAWSON	BOSGOWAN MAWSON		A	155	76	90	85	70	44	105	58	110	109	64	GAC
11	ARBEROS	ARAJARRA EROS		A	150	78	84	88	98	43	103	53	98	98	57	GAC
12	ARBHARFORD	BOSGOWAN BERNARD		A	145	73	73	82	60	33	106	53	108	100	61	GAC
13	ARBIRELAND	BEAULANDS EMPEROR 2ND		A	144	70	109	80	68	40	103	47	105	103	48	GAC
14	ARBLAWRENCE	BOSGOWAN LAWRENCE		A	144	97	47	99	1480	271	106	91	107	101	87	GAC
15	ARBLINDBERG	LOUVIC LOOT		A	141	76	82	85	81	42	103	55	105	101	62	GAC
16	BJURIST1011	B JURIST ET 1011		A	140	96	59	99	805	127	108	91	109	106	84	VIK
17	NZLCHALLENGE	KILFENNAN CHALLENGE		A	139	93	94	98	724	67	105	81				LIC

## Red Breeds Profit

PROFIT RANK	BULL ID	BULL NAME	GENETIC CODES	AUSTRALIAN PROVEN OR INTERNATIONAL	PROFIT		PRODUCTION					LONGEVITY		TYPE			SOURCE
					APR	RELIABILITY	ASI	RELIABILITY	AUSTRALIAN DAUGHTERS	AUSTRALIAN HERDS	FOREIGN DAUGHTERS FIRST	SURVIVAL	RELIABILITY	OVERALL TYPE	MAMMARY SYSTEM	RELIABILITY	
1	ATOSIKKO	ASMO TOSIKKO		I	240	56	169	68			619	106	46	104	108	50	VIK
2	RANDERSDAVID	R DAVID	TVTL	I	229	69	127	76			7787	113	63	116	108	62	VIK
3	FASTRUP	R FASTRUP		I	223	58	130	68			104	110	46	115	108	51	VIK
4	RBANGKOK	R BANGKOK		I	221	70	106	74			5774	109	62	110	109	53	VIK
5	PETERSLUND	PETERSLUND 1213		A	220	95	106	98	725	102		108	90	96	94	84	VIK
6	GEDB02263	G EDBO		I	215	62	193	70			1319	104	52	100	100	54	VIK
7	ARBBONJOVI	BOSGOWAN BON JOVI		A	208	81	143	89	107	55		104	63	111	104	71	GAC
8	VIKCIGAR	VIKING RED CIRKEL CIGAR		I	202	51	180	63			73	104	40	114	112	44	VIK
9	NZGBRODY	CARMELGLEN BRODY		I	202	62	140	75			1296	108	44	102	104	68	LIC
10	EIK10540	EIK 10540		I	198	53	188	70			280	99*	32	98	103	37	GAC
11	ARBLIPPMAN	BOSGOWAN LIPPMAN		A	194	77	132	88	109	38		104	49	107	108	51	GAC
12	ARBBOBDOWN	LODEN BOB		A	178	84	151	92	162	78		104	66	109	104	71	GAC
13	VR5OLERO2851	VR SOLERO		I	177	54	179	66			141	99*	44	102	106	48	VIK
14	BOTANS3829	BOTANS 3829		A	176	94	109	98	660	90		105	86	103#	102#	70	VIK
15	ARBPOTSIE	GRAZIN POTSIE		A	175	79	147	88	105	49		100	57	98	93	65	GAC
16	ARBLEX	BEAULANDS LORRY		A	172	77	112	87	101	50		106	52	116	107	54	GAC
17	GGDRAGOMIR	DRAGOMIR		A	165	80	115	90	113	31		104	61	115#	112#	55	ABS
18	GGHEXER	HEXER		I	160	53	165	64			112	103	42	118	117	48	ABS
19	NZGQUINNELLA	MAYO RF QUINNELLA		I	159	51	114	68			86	106*	31				LIC
20	OBROLIN1804	O BROLIN 1804		A	158	88	83	95	252	44		107	74	103	104	75	VIK
21	NZGNIGELO	PA HILL JULLI NIGEL		I	155	65	138	75			1288	100	45	103	101	67	LIC
22	ARBMAWSON	BOSGOWAN MAWSON		A	155	76	90	85	70	44		105	58	110	109	64	GAC
23	ARBEROS	ARAJARRA EROS		A	150	78	84	88	98	43		103	53	98	98	57	GAC
24	87UUY08	GUNNARSTORP		I	150	60	84	71			3055	106	55	102	110	53	VIK

## Red Breeds Production

PRODUCTION RANK	BULL ID	BULL NAME	GENETIC CODES	AUSTRALIAN PROVEN OR INTERNATIONAL	PRODUCTION TRAITS							PROFIT		SOURCE
					ASI	PROTEIN KG	PROTEIN %	MILK L	FAT Kg	FAT %	RELIABILITY	APR	RELIABILITY	
1	<b>GEDB02263</b>	G EDBO		I	<b>193</b>	28	0.20	641	36	0.12	70	215	62	VIK
2	<b>EIK10540</b>	EIK 10540		I	<b>188</b>	29	0.29	491	18	-0.04	70	198	53	GAC
3	<b>VIKCIGAR</b>	VIKING RED CIRKEL CIGAR		I	<b>180</b>	25	0.05	813	51	0.23	63	202	51	VIK
4	<b>VRSLER02851</b>	VR SOLERO		I	<b>179</b>	28	0.14	747	31	-0.01	66	177	54	VIK
5	<b>ATOSIKKO</b>	ASMO TOSIKKO		I	<b>169</b>	25	0.03	863	44	0.11	68	240	56	VIK
6	<b>GGHEXER</b>	HEXER		I	<b>165</b>	17	0.08	475	58	0.54	64	160	53	ABS
7	<b>ARBB0BDOWN</b>	LODEN BOB		A	<b>151</b>	20	0.31	129	14	0.12	92	178	84	GAC

## Red Breeds Longevity

LONGEVITY RANK	BULL ID	BULL NAME	GENETIC CODES	AUSTRALIAN PROVEN OR INTERNATIONAL	LONGEVITY		FERTILITY		TEMPERAMENT	WORKABILITY RELIABILITY	TYPE			PROFIT		SOURCE
					SURVIVAL	RELIABILITY	FERTILITY	RELIABILITY			OVERALL TYPE	MAMMARY SYSTEM	RELIABILITY	APR	RELIABILITY	
1	<b>RANDERSDAVID</b>	R DAVID	TVTL	I	<b>113</b>	63					116	108	62	229	69	VIK
2	<b>FASTRUP</b>	R FASTRUP		I	<b>110</b>	46					115	108	51	223	58	VIK
3	<b>RBANGKOK</b>	R BANGKOK		I	<b>109</b>	62					110	109	53	221	70	VIK
4	<b>PETERSLUND</b>	PETERSLUND 1213		A	<b>108</b>	90	108	88	99	94	96	94	84	220	95	VIK
5	<b>BJURIST1011</b>	B JURIST ET 1011		A	<b>108</b>	91	103	90	100	94	109	106	84	140	96	VIK
6	<b>SADAM2182</b>	S ADAM 2182		I	<b>108</b>	63					112	106	59	139	70	VIK
7	<b>NZGBRODY</b>	CARMELGLEN BRODY		I	<b>108</b>	44					102	104	68	202	62	LIC
8	<b>OBROLIN1804</b>	O BROLIN 1804		A	<b>107</b>	74	102	57	101	84	103	104	75	158	88	VIK

## Red Breeds Mastitis Resistance

MASTITIS RANK	BULL ID	BULL NAME	GENETIC CODES	AUSTRALIAN PROVEN OR INTERNATIONAL	CELL COUNT		MILKING SPEED	RELIABILITY	PROFIT		SOURCE
					CELL COUNT	RELIABILITY			APR	RELIABILITY	
1	<b>RBANGKOK</b>	R BANGKOK		I	<b>172</b>	87			221	70	VIK
2	<b>ATOSIKKO</b>	ASMO TOSIKKO		I	<b>153</b>	81			240	56	VIK
3	<b>ARBEROS</b>	ARAJARRA EROS		A	<b>140</b>	78	101	82	150	78	GAC
4	<b>FASTRUP</b>	R FASTRUP		I	<b>139</b>	76			223	58	VIK
5	<b>PETERSLUND</b>	PETERSLUND 1213		A	<b>138</b>	97	102	94	220	95	VIK
6	<b>ARBLAWRENCE</b>	BOSGOWAN LAWRENCE		A	<b>137</b>	98	101	97	144	97	GAC
7	<b>BOTANS3829</b>	BOTANS 3829		A	<b>136</b>	96	102	93	176	94	VIK
8	<b>ARBMAWSON</b>	BOSGOWAN MAWSON		A	<b>136</b>	76	101	76	155	76	GAC

\* Denotes an ABV that incorporates Australian data, all other traits for this bull are ABV(i)s using data from foreign daughters.

# Denotes an ABV(i) using data from foreign daughters For the full Good Bulls Guide list, go to [www.adhis.com.au](http://www.adhis.com.au)

## Red Breeds Type

TYPE RANK	BULL ID	BULL NAME	GENETIC CODES	AUSTRALIAN PROVEN OR INTERNATIONAL	TYPE			LONGEVITY		PROFIT		SOURCE
					OVERALL TYPE	MAMMARY SYSTEM	RELIABILITY	SURVIVAL	RELIABILITY	APR	RELIABILITY	
1	GGHEXER	HEXER		I	118	117	48	103	42	160	53	ABS
2	RANDERSDAVID	R DAVID	TVTL	I	116	108	62	113	63	229	69	VIK
3	ARBLEX	BEAULANDS LORRY		A	116	107	54	106	52	172	77	GAC
4	GGDRAGOMIR	DRAGOMIR		A	115#	112#	55	104	61	165	80	ABS
5	FASTRUP	R FASTRUP		I	115	108	51	110	46	223	58	VIK
6	VIKCIGAR	VIKING RED CIRKEL CIGAR		I	114	112	44	104	40	202	51	VIK
7	VIKHASLEV	R HASLEV		I	114	108	51	106*	43	148	58	VIK

## Guernsey Profit

PROFIT RANK	BULL ID	BULL NAME	GENETIC CODES	AUSTRALIAN PROVEN OR INTERNATIONAL	PROFIT		PRODUCTION					LONGEVITY	
					APR	RELIABILITY	ASI	RELIABILITY	AUSTRALIAN DAUGHTERS	AUSTRALIAN HERDS	FOREIGN DAUGHTERS FIRST	SURVIVAL	RELIABILITY
1	ICYICEBERG	SPRING WALK ICY ICEBERG		I	168	56	178	69			80	100	44
2	TIRESFORD	TIRESFORD PEDRO		I	164	56	126	68			160	102	46
3	WYSNIDER	SNIDERS OPTION AARON		I	147	61	142	70			374	102	51
4	BOSGEO	GOLDEN J LES GEORGE		I	139	44	111	56			57	103	31
5	AUSFAYSBOO	KOOKABURRA FAYS BOO		A	133	72	71	86	77	28		108	51

## Brown Swiss Profit

PROFIT RANK	BULL ID	BULL NAME	GENETIC CODES	AUSTRALIAN PROVEN OR INTERNATIONAL	PROFIT		PRODUCTION					LONGEVITY	
					APR	RELIABILITY	ASI	RELIABILITY	AUSTRALIAN DAUGHTERS	AUSTRALIAN HERDS	FOREIGN DAUGHTERS FIRST	SURVIVAL	RELIABILITY
1	GGEVENT	EVENT		A	165	72	84	86	73	25		107	49
2	SWISSEGE	ELM PARK JUPITERS EDGE		A	91	85	38	96	300	82		101	72
3	GGVID	VIDEO		A	88	66	34	83	63	11		104	30
4	7B766	BLESSING BANKER AGENDA		A	56	63	56	78	46	18		101	38
5	TURMOIL	OLD MILL B TURMOIL		A	54	80	33	93	197	62		99	59



## Red Breeds Reliability

RELIABILITY RANK	BULL ID	BULL NAME	GENETIC CODES	AUSTRALIAN PROVEN OR INTERNATIONAL	PROFIT		LONGEVITY		TYPE			FERTILITY		SOURCE
					APR	RELIABILITY	SURVIVAL	RELIABILITY	OVERALL TYPE	MAMMARY SYSTEM	RELIABILITY	FERTILITY	RELIABILITY	
1	<b>PETERSLUND</b>	PETERSLUND 1213		A	<b>220</b>	95	108	90	96	94	84	108	88	VIK
2	<b>BOTANS3829</b>	BOTANS 3829		A	<b>176</b>	94	105	86	103#	102#	70	98	88	VIK
3	<b>ARBLAWRENCE</b>	BOSGOWAN LAWRENCE		A	<b>144</b>	97	106	91	107	101	87	108	94	GAC
4	<b>BJURIST1011</b>	B JURIST ET 1011		A	<b>140</b>	96	108	91	109	106	84	103	90	VIK
5	<b>NZLCHALLENGE</b>	KILFENNAN CHALLENGE		A	<b>139</b>	93	105	81	107#	100#	74	101	88	LIC

	TYPE			MILKING SPEED	TEMPERAMENT	LIKABILITY	RELIABILITY	FERTILITY		MASTITIS RESISTANCE		LIVEWEIGHT		SOURCE
	OVERALL TYPE	MAMMARY SYSTEM	RELIABILITY					FERTILITY	RELIABILITY	CELL COUNT	RELIABILITY	LIVEWEIGHT	RELIABILITY	
	105	100	56							109	70	105	77	AGR
		100	54							145	76	102	76	AGR
	108	105	61							118	76	104	82	WYA
	108	105	47							117	53	103	68	AGR
				102	102	103	57	98	46	107	78			WAS

	MILKING SPEED	TEMPERAMENT	LIKABILITY	RELIABILITY	FERTILITY		MASTITIS RESISTANCE		SOURCE
					FERTILITY	RELIABILITY	CELL COUNT	RELIABILITY	
	104	102	102	71	100	47	126	76	ABS
	100	100	101	86	104	73	150	91	GAC
	103	100	100	70	104	37	105	74	ABS
	103	102	101	56	97	35	88	67	GAC
	101	103	103	80	103	60	104	87	ALT

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