



AYRSHIRE NEW ZEALAND

World Ayrshire Conference USA 2016

History



- First Ayrshire bull 'Rob Roy' arrived on the 'Philip Lainge' 1848 with main body of the first Scottish settlers
- Founded in 1909, celebrated Centenary in 2009
- First Herd Book published 1910
- First magazine 'Bulletin' published 1937, have just issued #166

Volume 100 of the New Zealand Ayrshire Herd Book will be issued in late October 2016



Pastoral Farming in NZ



- Temperate climate that lends itself to a pasture based grazing system
- Low input system
- Most calving during short period at end of winter (Aug/ Sep)
- Peak lactation during period of high pasture production in Spring (Sep – Dec)
- Across breeds evaluation system 'Breeding Worth' based on ability to breed replacements that are efficient converters of feed into profit
- 2014/15 season 11,900 herds nationwide av. 419 cows per herd
- Average yield of 377 kg milksolids per cow
- Over 600 herds in NZ milk 1000+ cows

Membership



Membership trend

2016/17
361

2015/16
369

2014/15
374

2013/14
377

2012/13
365



Breed Statistics

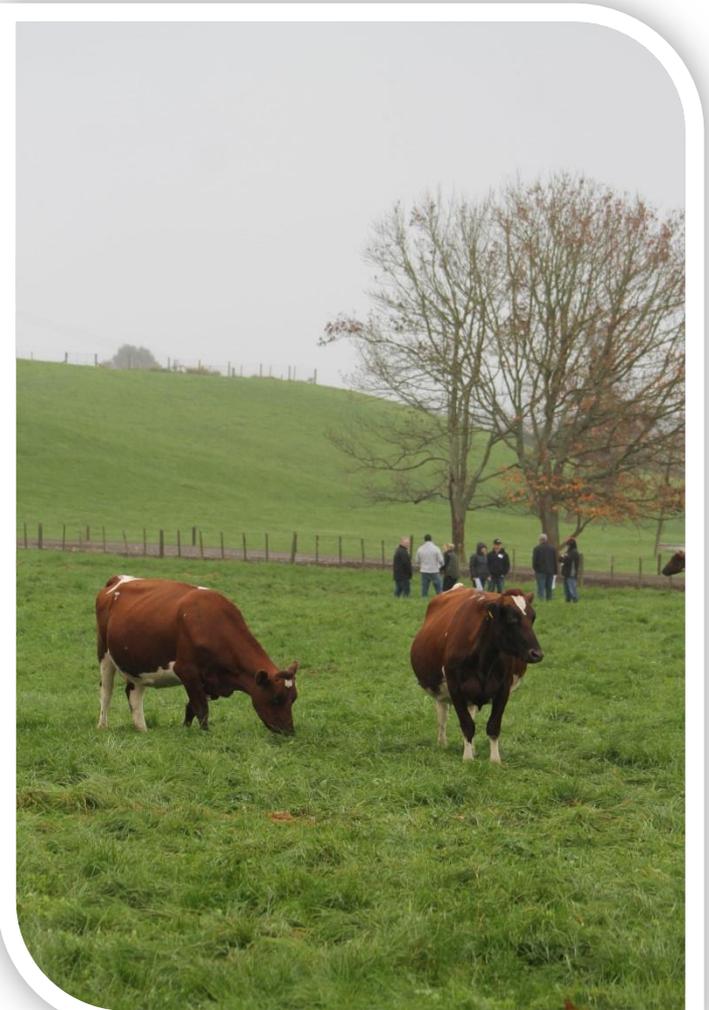


Registered Ayrshires 2016

In milk	25,318
Young Stock	4,307
Males	514
TOTAL	30,138

NZ Dairy Statistics 2014/15

Ayrshires A14 & over	17,438 (Herd testing)
% of national herd	0.06%



Breed Statistics



Production statistics 2014/15

NB 15/16 season info not yet available

	<i>Cows</i>	<i>Milk</i>	<i>Fat</i>	<i>Prot</i>	<i>M/S</i>	<i>Days</i>
Pedigree cows	13,672	4,807	213	175	388	260
Ayrshires A14+	17,438	4,104	181	149	330	225
National Herd	3.65m	4,379	209	168	377	226

Evaluation



Our National Breeding Objective (NBO) in New Zealand is to breed dairy cows that are able to efficiently convert feed into profit.

Breeding Worth (BW) is the across-breed index that we use to rank cows and bulls according to their ability to meet this objective.

Breeding Worth explained

BW ranks bulls and cows on their expected ability to breed profitable and efficient replacements. BW is calculated by combining breeding values with the appropriate economic values.

Breeding Values (BV): *An estimate of a cow or bull's genetic merit for a trait.*
e.g. Will his or her daughters produce milk solids efficiently, and be robust herd members?

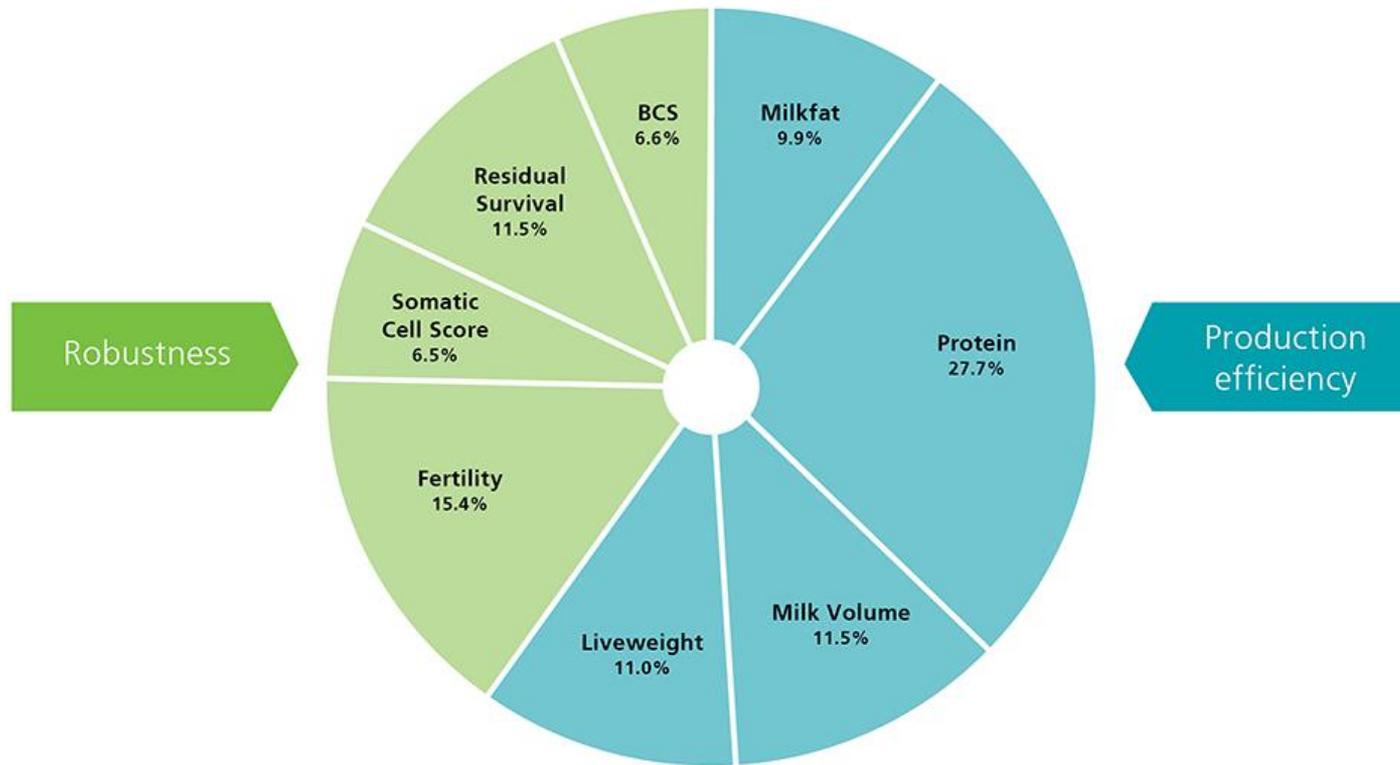
Economic Values (EV): *An estimate of the value of a trait to a NZ dairy farmer.*

Courtesy DairyNZ

Evaluation Traits



Effective emphasis on the individual traits within Breeding Worth



Evaluation evolution



Breeding Worth update: February 2016

Changes to Breeding Worth (BW) are now in place following the 15 February Animal Evaluation run.

During this run, a range of developments were rolled out, some of which were routine, such as an update to the economic values, and some of which were fundamental improvements to the AE system.

Improvements included the addition of the Body Condition Score trait to Breeding Worth, a change to the model that drives the fertility breeding value, and the introduction of a 'reproof bias adjustment'.

These developments enable us to provide farmers with the best information available to make their 2016 breeding decisions.

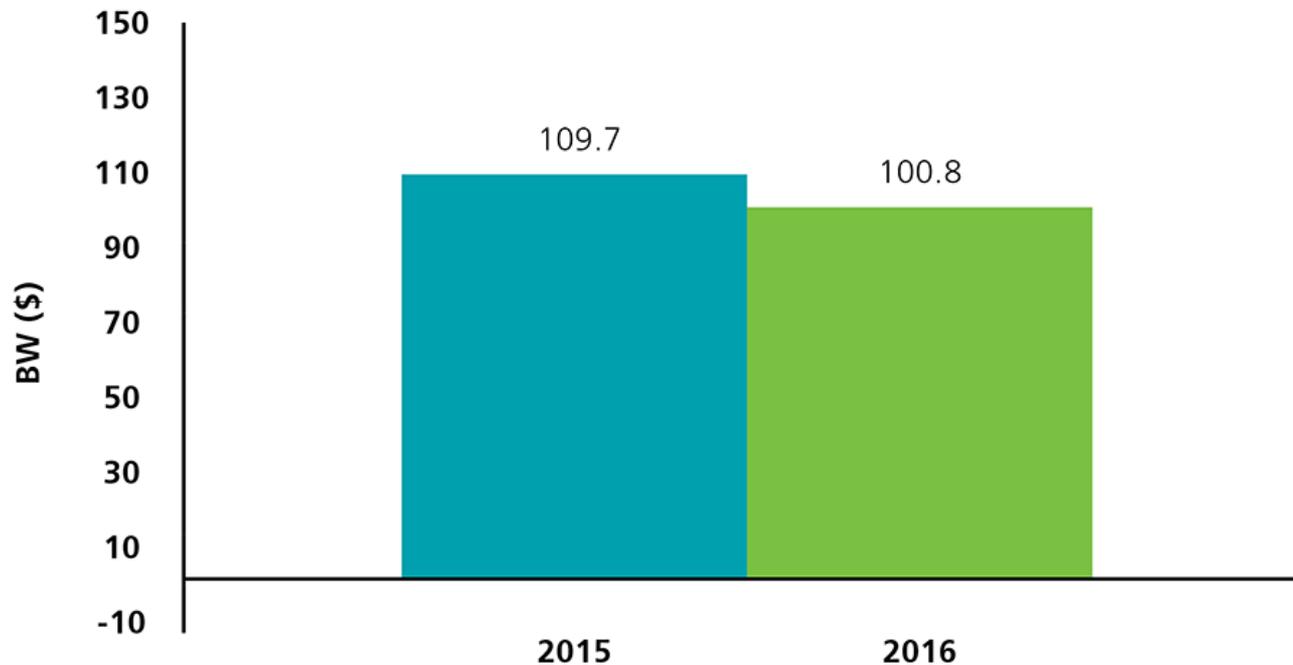
June 2016: Base cow update Breeding Worth (BW) and Breeding Values (BV) are presented as the difference between an animal's genetic merit and the 'genetic base cow'. The genetic base is updated every five years to reflect genetic progress.

Courtesy DairyNZ

Evaluation evolution



Average change in Breeding Worth (BW) following the Feb 2016 AE run: All Breeds



Note: Includes all cows current in herds signed up for herd testing in the current season.

CORE SERVICES



Registrations

2015/16
4,781

2014/15
5,892

2013/14
6,300

2012/13
6,428

2011/12
5,869

TOP & Classification

2015
2,803

2014
3,527

2013
3,818

2012
3,712

2011
4,266



Governance



Ayrshire New Zealand is divided into 9 wards geographically, each ward represented by a Director. The Board of Directors is headed by the President. Each Director serves a three year term, but may make themselves available for re-election. There is no limit to the number of terms a Director may serve.

Ayrshire New Zealand is also the parent body to 13 Ayrshire Clubs nationwide.

An Annual General Meeting is held in June annually at varying locations.



Administration



Since January 2015, all administration for Ayrshire New Zealand has been undertaken by Jersey New Zealand under a Memorandum of Understanding between the two Associations.

Pam Goodin, long-time sole charge Manager of Ayrshire NZ, accepted a management role with Jersey NZ. Pam and her team at Jersey NZ also undertake all administration for both Ayrshire NZ and NZ Milking Shorthorn Assn.

- Each Association remains a separate entity – governance, finances, Conference, website & social media, magazines & publications, and core services
- Benefits to all members through synergies and efficiencies between Associations

Ayrshire Vision



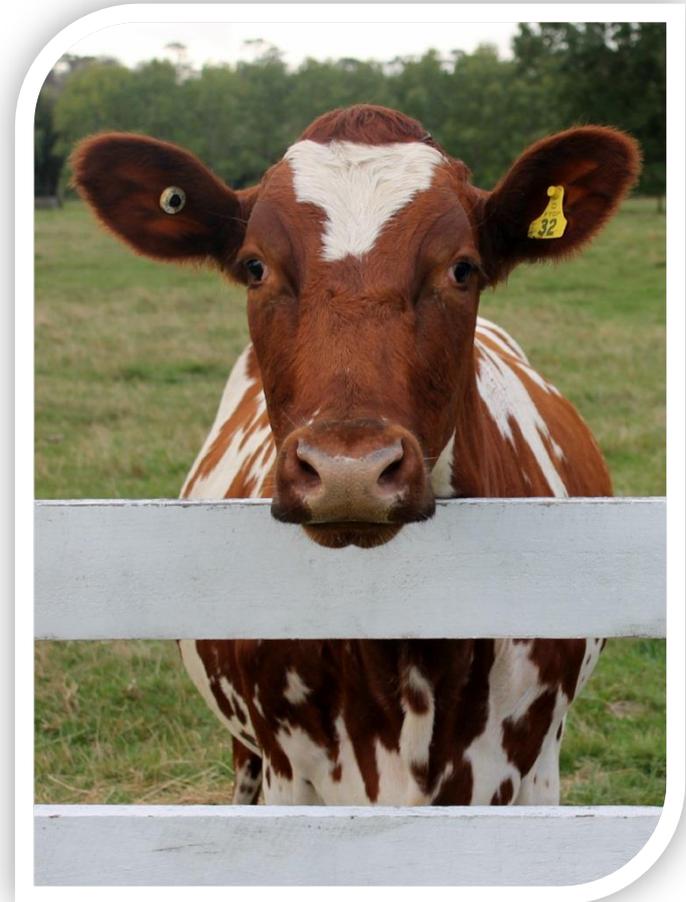
CORE IDEOLOGY

Core Values

- Genetic gain of the Ayrshire population
- Always look for the opportunity
- Maintain a financially sustainable business
- Foster camaraderie among Ayrshire Members
- Always portray a professional image

Purpose

Ayrshire New Zealand will develop, promote and maintain the Ayrshire breed as a credible option for New Zealand dairy farmers



Ayrshire Vision



ENVISIONED FUTURE

Ultimate Goal

To be the number one dairy population within the world, among all breeds, under the NZ payment system

Vision

- Ayrshire (A14+) will make up 10% of the national herd
- Ayrshire BW/GW and PW will increase and be comparable to other breeds
- Ayrshire cows will be included in national statistics and trials
- Ayrshire cows will be financially rewarding for those who farm them
- Ayrshire NZ will have united, vibrant members who are proud to belong
- Ayrshire NZ members will be proactive and engaged in striving to achieve Association goals
- Ayrshire NZ and its members are progressive and perceived to be innovative

Ace Herd



Implemented in 2001, based on animals from the Ayrshire Open Nucleus Herd. Built up to herd of 450 in milk cows plus young stock in 2014/15 season.

Currently on free lease.

Farm Owner

Receives 50% of milk cheque

50/50 Sharemilker

Ayrshire NZ – Herd owners
Receives 50% of milk cheque

Lower Order Sharemilker

Owens no land or stock
Receives % of income from Ayrshire NZ

Ace Herd Committee

Provides guidance to lower order sharemilker
Consists of Board members, local member with input from farm owner and consultant

Semayr Breeding Services



- Established 1987, marketing division of Ayrshire New Zealand
- Between 1998 – 2010 average of 25 young bulls progeny tested
- Currently progeny testing 12-15 bulls per annum
- Bull marketed and distributed by Livestock Improvement Corporation

Ayrshire New Zealand owns a bull farm situated in Taranaki where all bulls are grazed while awaiting proof.



Youth



Ayrshire New Zealand operates a number of highly successful youth initiatives

- Youth Committee. Made up of both Board and youth members, oversees all youth activities.
- Ayrshire Seminar. Commercial and breed seminar aimed at 18 – 35 years actively farming.
- Youth Achiever Competition. Points based competition over three age groups, both show and Association activity based.
- Youth Fund. Provides subsidies for youth members with international opportunities.



Youth



- Youth database. For all youth (including non-members) with an interest in Ayrshire activities
- Arran Trophy. Ayrshire Young Judge Competition keenly contested at NZ Dairy Event annually.
- Fredrickson & Greenlane Trophies. Senior and junior young handler classes at North and South Island Championships.



Champions



Broadlea CN Topaz, V8-9
South Island Champion Cow 2015/16

Shardville Popstar S2A, E8-8
North Island Champion Cow 2015/16



Champions



Arran Admiral Gracie, V8-8
Senior Champion Cow
Supreme Ayrshire Champion
All Breeds 4 yr old winner
NZ Dairy Event 2016

Arran Burs Cha Cha, B7-7
Intermediate Champion Cow
All Breeds Reserve Intermediate Champion
NZ Dairy Event 2016



Future Challenges



1. Inroads into national herd by Kiwicross cow
2. Marketing young Ayrshire bulls
3. Dairy Industry Good Animal Database (DIGAD).
 - Moves core national database from commercial AB company LIC to industry-good organisation DairyNZ
 - Breed Societies currently reliant on access to national database for provision of all core services
 - No solution yet finalised for Breed Societies
 - Proposed solution is at best a 'band aid'