DOHNE AUSTRALIA

2016

GLOBAL DOHNE CONFERENCE

JULY 21 -22 | AUSTRALIA

Celebrating

50 years

"A must for all sheep producers"

The Dohne in Australia

The Dohne in Australia

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Allan and Brett

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[3] Development Officer – Wool, NSW DPI, Australia

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The Dohne in Australia

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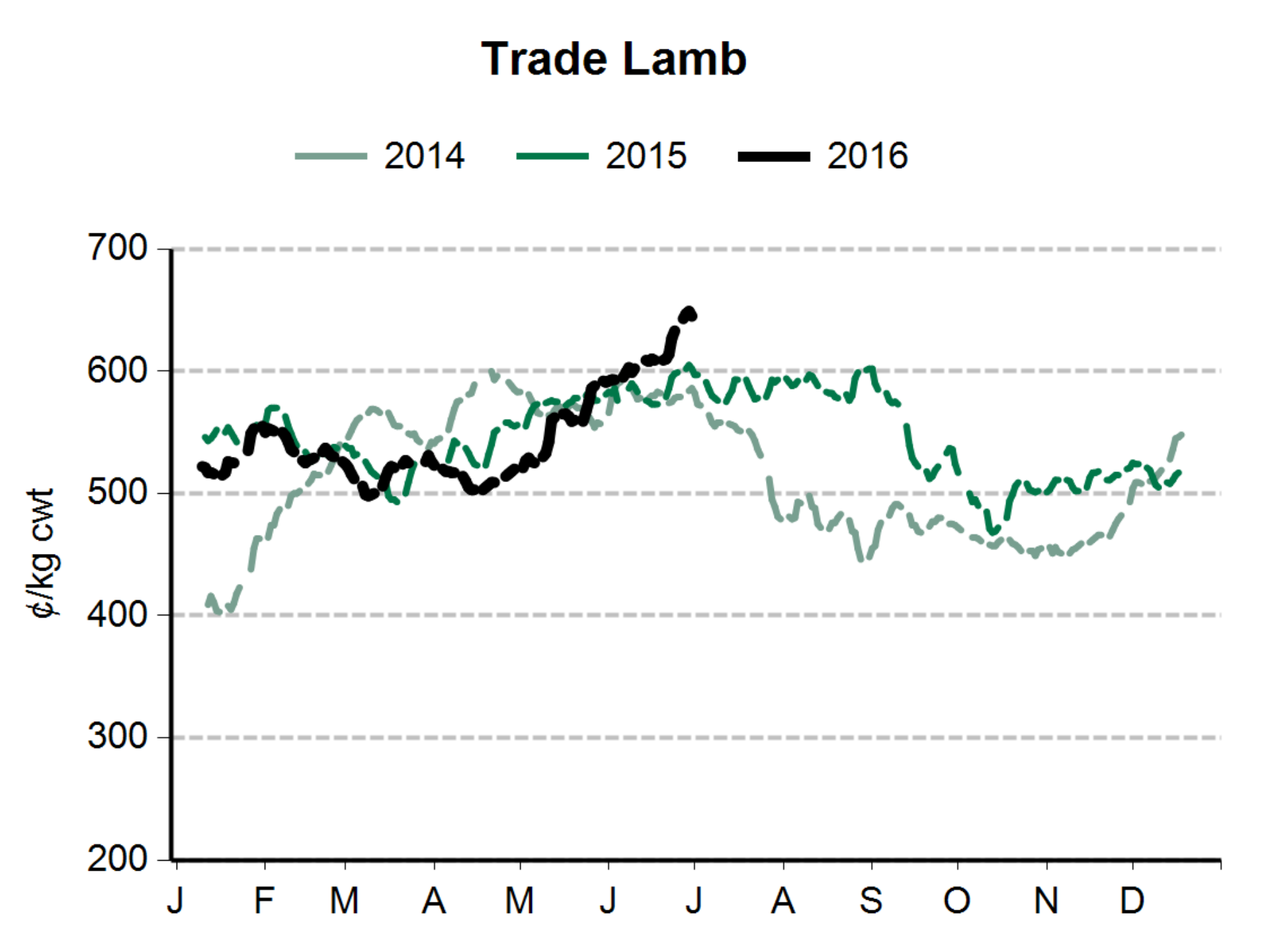
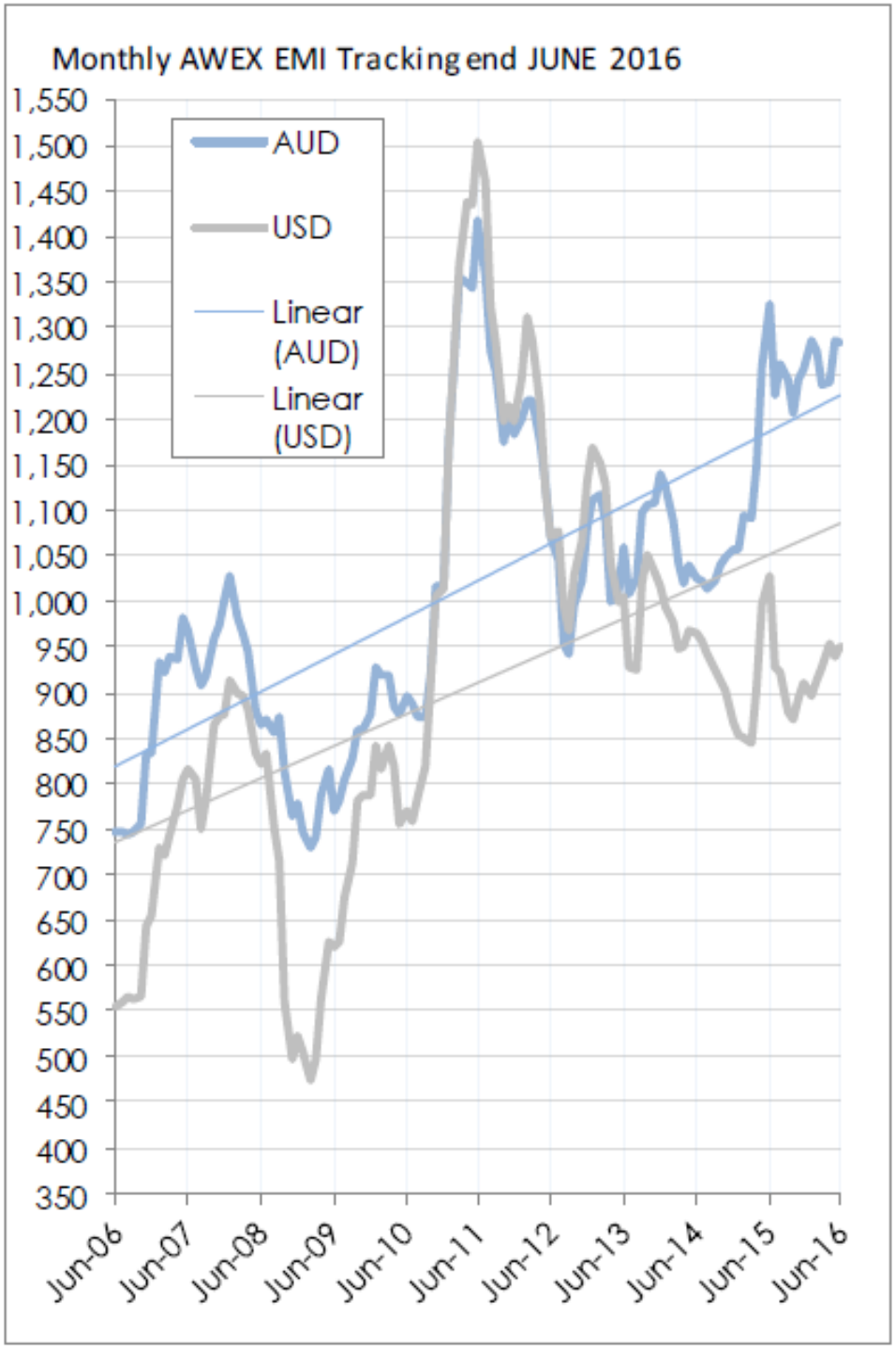
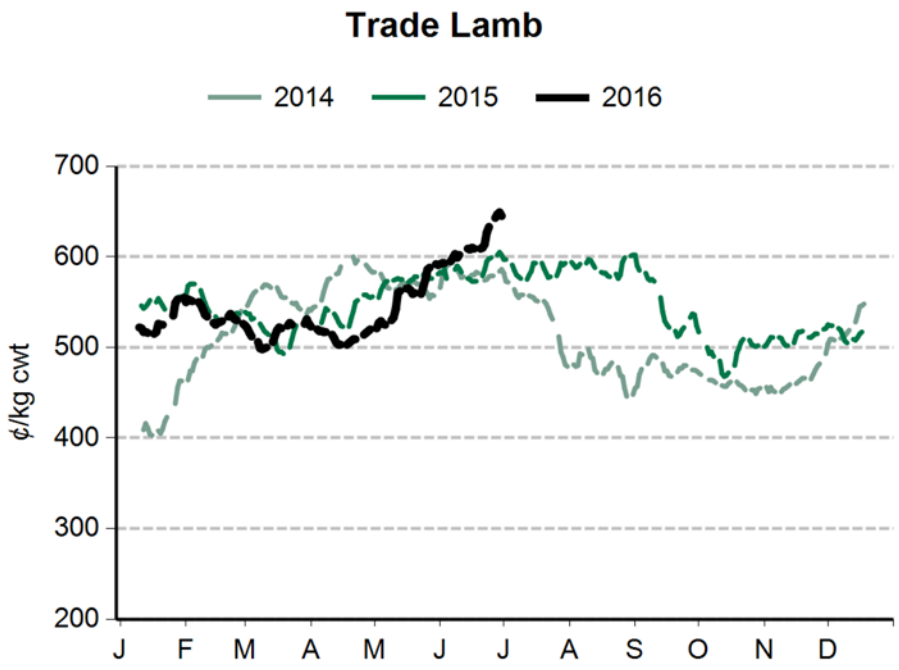
The Dohne performs

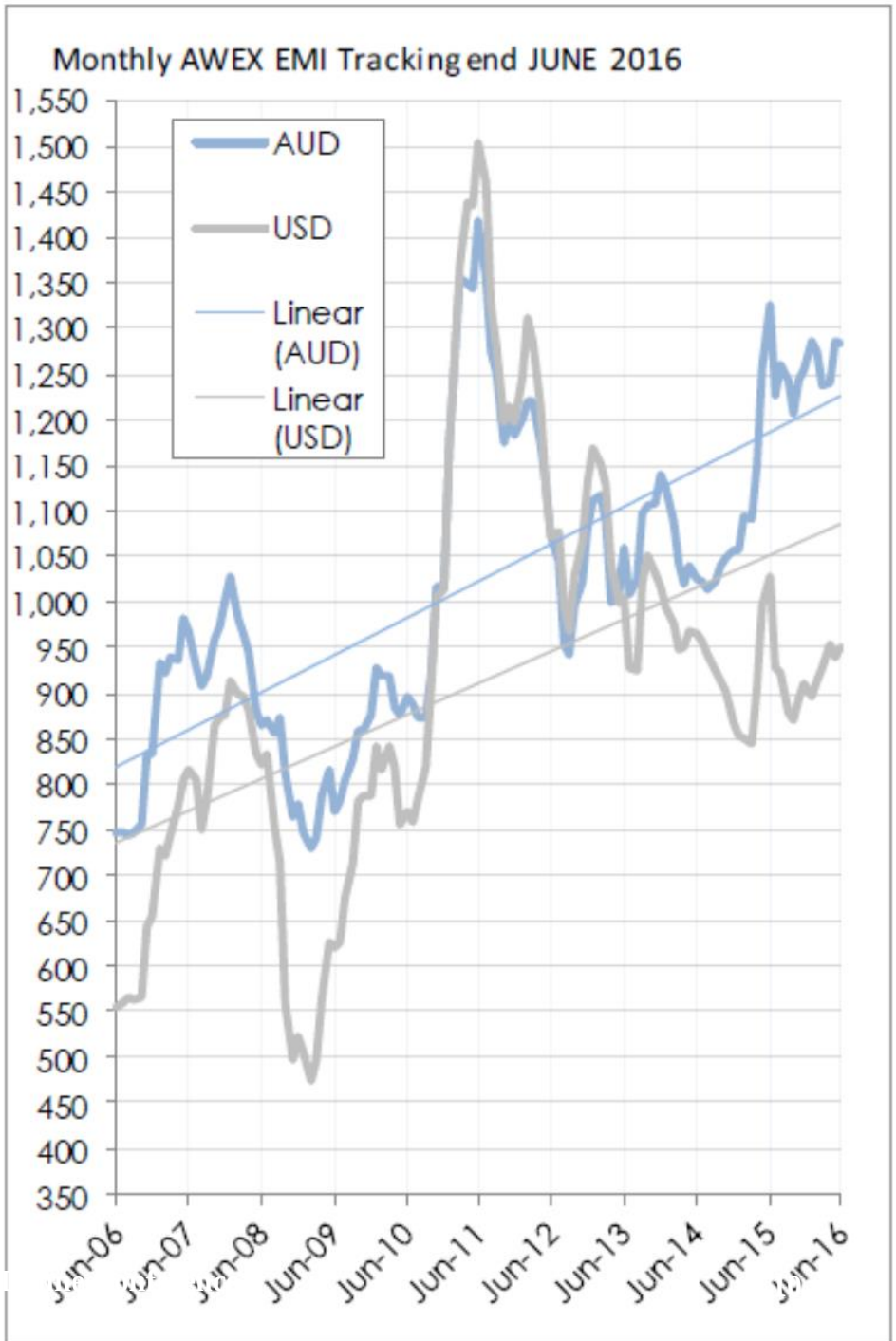
- Commercial sheep producers have embraced the Dohne in Australia
  Dohne genetics influence approximately **20%** of Australian commercial flock breeding ewes.
- Matched to commercial markets return!
  Dual purpose market - wool, lamb and mutton prices are all very strong.


Trade Lamb
2014
2015
2016
700
600
500
400
300
200
¢/kg cwt
J
F
M
A
M
J
J
A
S
O
N
D


Monthly AWEX EMI Tracking end JUNE 2016
AUD
USD
Linear (AUD)
Linear (USD)
1,550
1,500
1,450
1,400
1,350
1,300
1,250
1,200
1,150
1,100
1,050
1,000
950
900
850
800
750
700
650
600
550
500
450
400
350
Jun-06
Jun-07
Jun-08
Jun-09
Jun-10
Jun-11
Jun-12
Jun-13
Jun-14
Jun-15
Jun-16

We have a "dual purpose" market

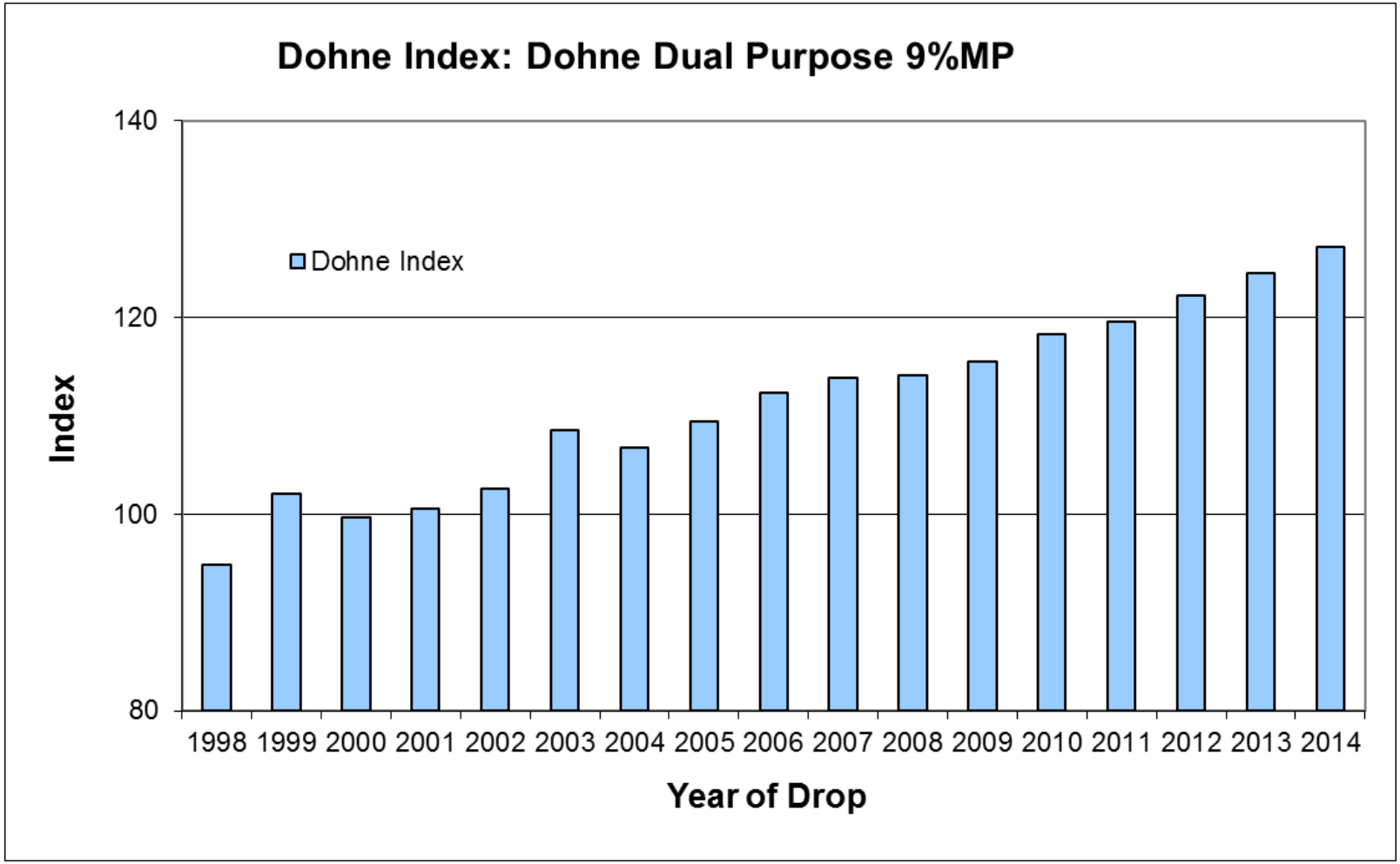




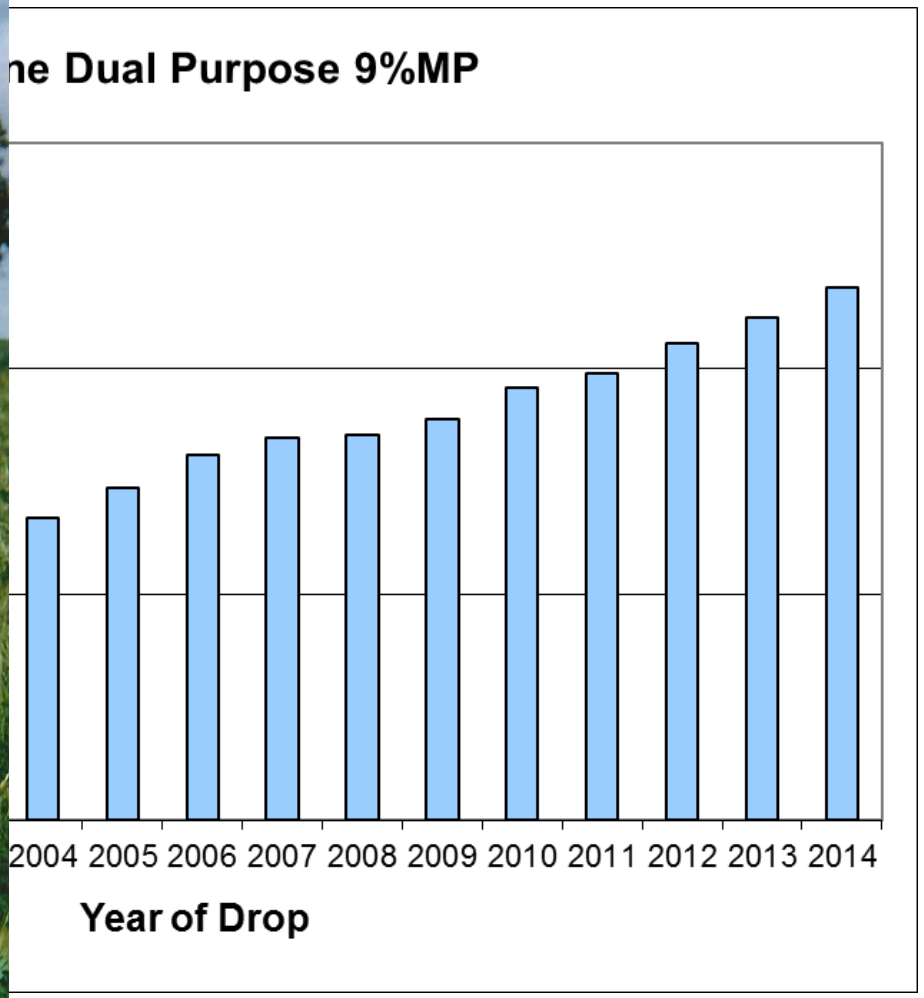
The Dohne performs

- Commercial sheep producers have embraced the Dohne in Australia!
  Dohne genetics influence approximately **20%** of Australian commercial flock breeding ewes.
- Match the commercial markets return!
  Dual purpose market - wool, lamb and mutton prices are all very strong.
- High performing and balanced production!
  Meat, wool and surplus sheep.
- Rapidly improving!
  30 index points more commercial production.

Genetic gain



Genetic gain



The Dohne performs

- Highly competitive genetics!
  CTSE graph.
- Highly selectable!
  The best and easiest to use selection information across all ram breeding flocks within a breed.
- Rams quality assured!
  Breed standards – measured and visual – independently monitored.

Yes but …. believe me the competition is strong! Very very strong!

Australian (ADBA) progress

- DMBS system – a marvelous starting point – advanced genetics and ongoing assistance
- Australia foresight – e.g. across-flock EBV
- ADBA has worked tirelessly with skill to improve sheep performance, marketing and breed admin.
- Stud sheep numbers and performance
- *'Birth of a breed. The Dohne Merino Story'* by Cameron McMaster

Australian (ADBA) progress

Reduction in Australian sheep numbers

Year	Opening Sheep Number (million)	Sheep Numbers Shorn (million)	Average Cut Per Head (kg)	Shorn Wool Production (mkg greasy)
1991-92	163.1	180.9	4.65	801
1992-93	148.1	178.8	4.43	815
1993-94	138	172.8	4.56	775
1994-95	132.5	156.2	4.49	682
1995-96	120.8	145.6	4.37	655
1996-97	121	152	4.50	661
1997-98	120.1	150	4.35	633
1998-99	117.4			
1999-00	115.4			
2000-01	118.5			
2001-02	110.8			
2002-03	106.1			
2003-04	99.2	104.7	4.28	475
2004-05	101.2	106	4.53	475
2005-06	101.1	106.5	4.49	461
2006-07	91	101.4	4.33	430
2007-08	85.7	90.2	4.24	400
2008-09	76.9	79.3	4.43	362
2009-10	72.7	76.2	4.52	343
2010-11	70.8	76.2	4.50	345
2011-12	73.1	76.4	4.53	342
2012-13	74.7			
2013-14	75.5			
2014-15f	71.6			
2015-16f	69.1			

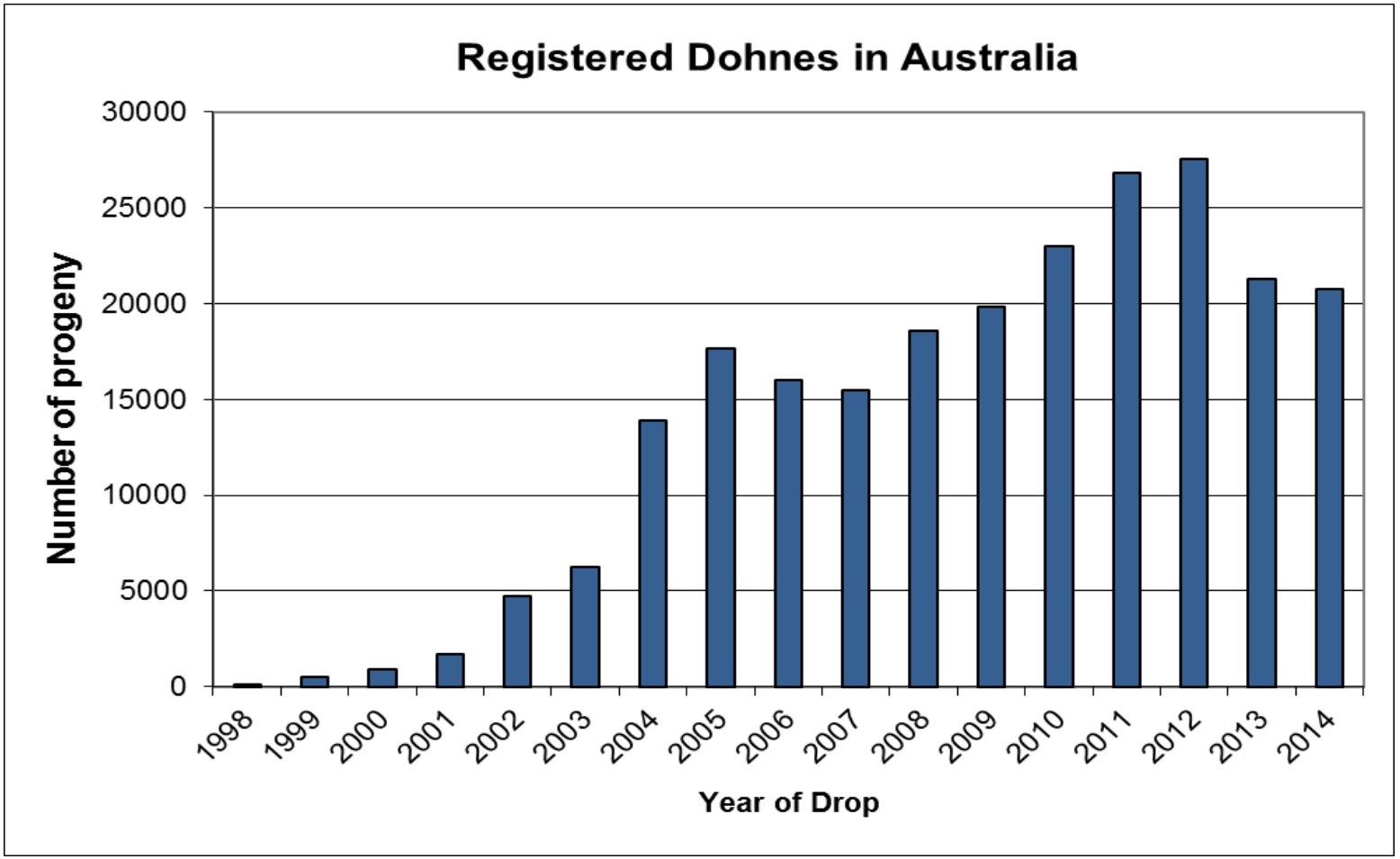
2000-01 = 118.5 m

2015-16 = 69.1 m

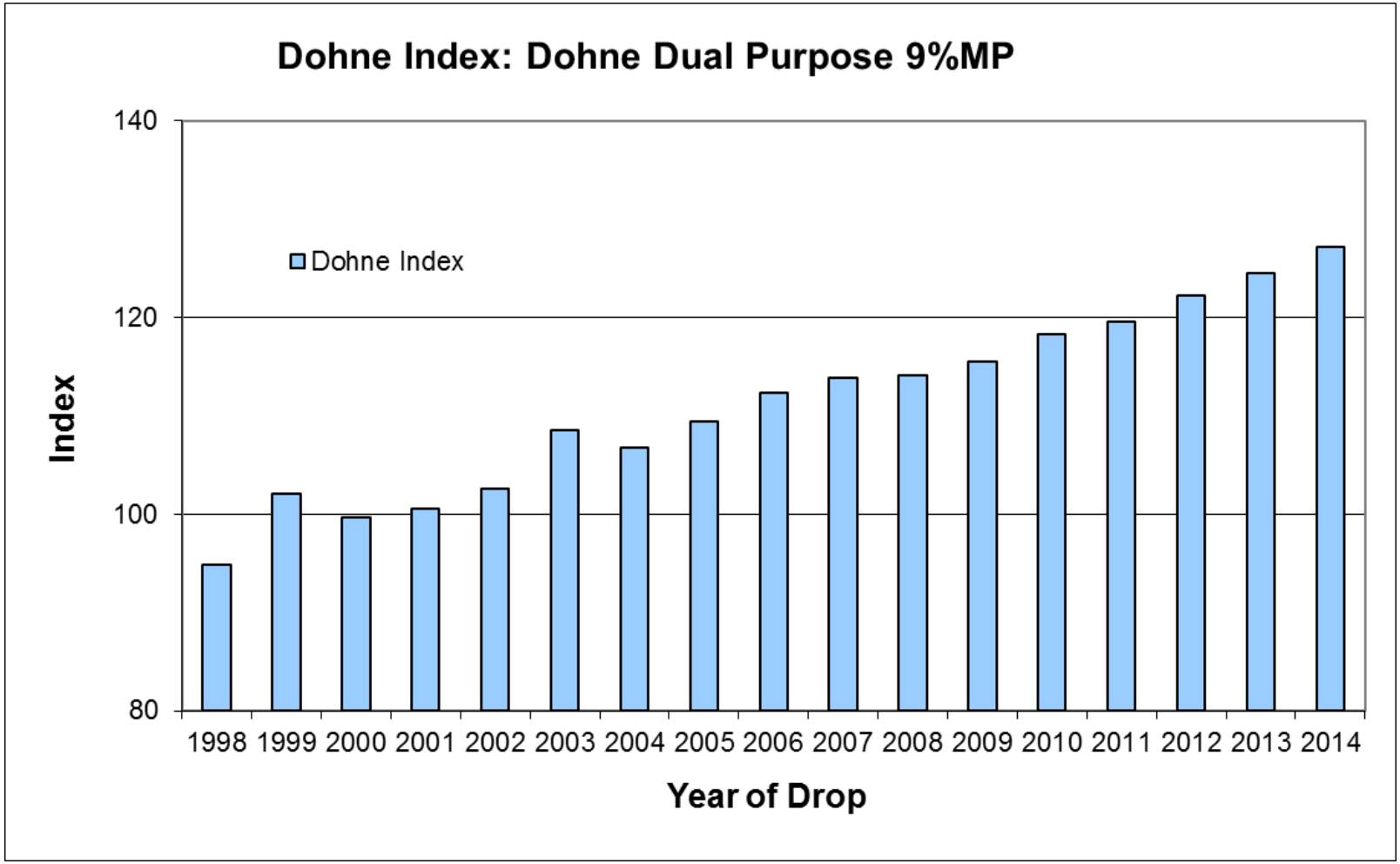
42% reduction in sheep numbers

NT
QLD
2.3 million
WA
14.2 million
SA
10.8 million
NSW
26.8 million
VIC
15.1 million
TAS
2.4 million

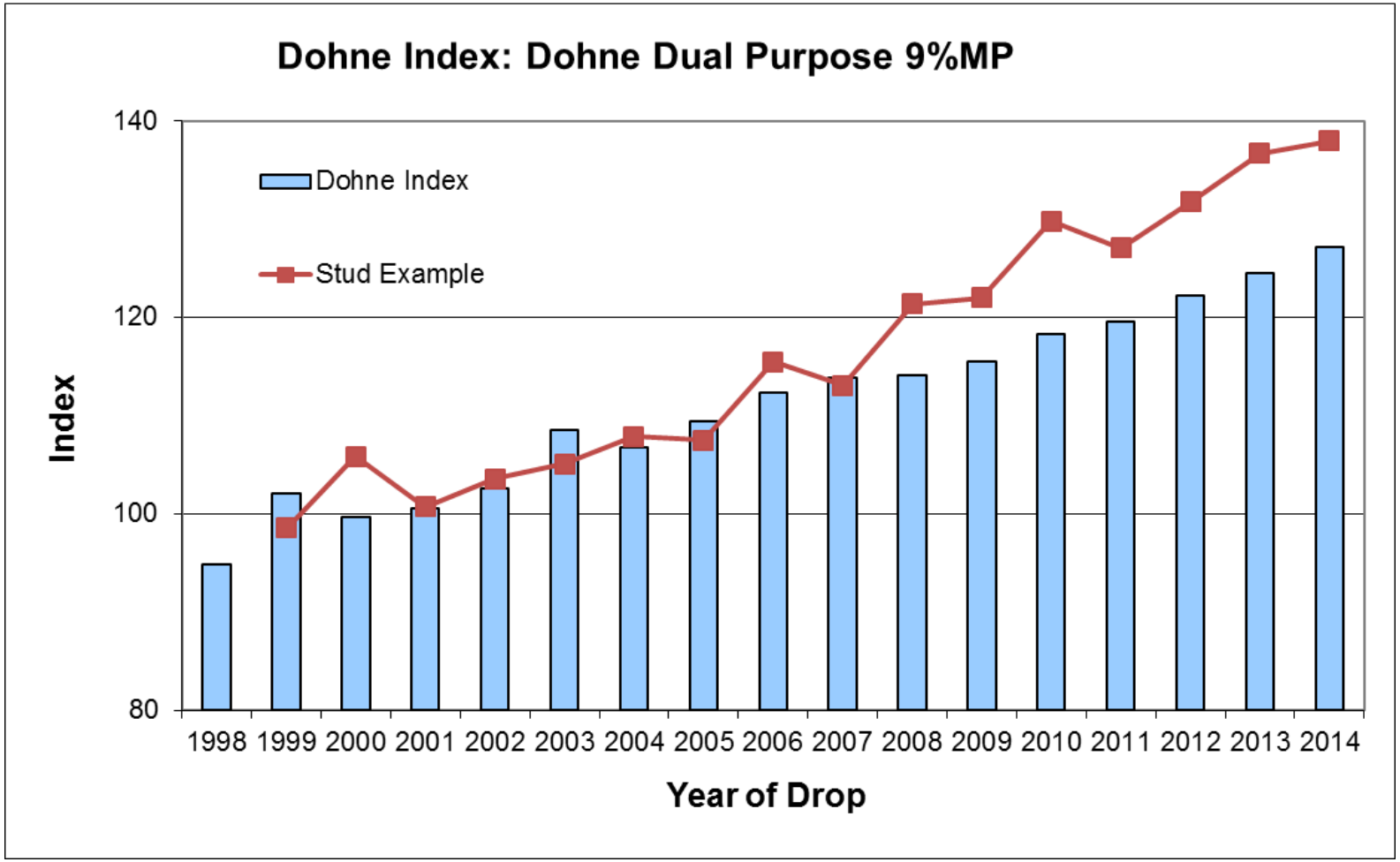
Numbers of stud Dohnes



Genetic gain



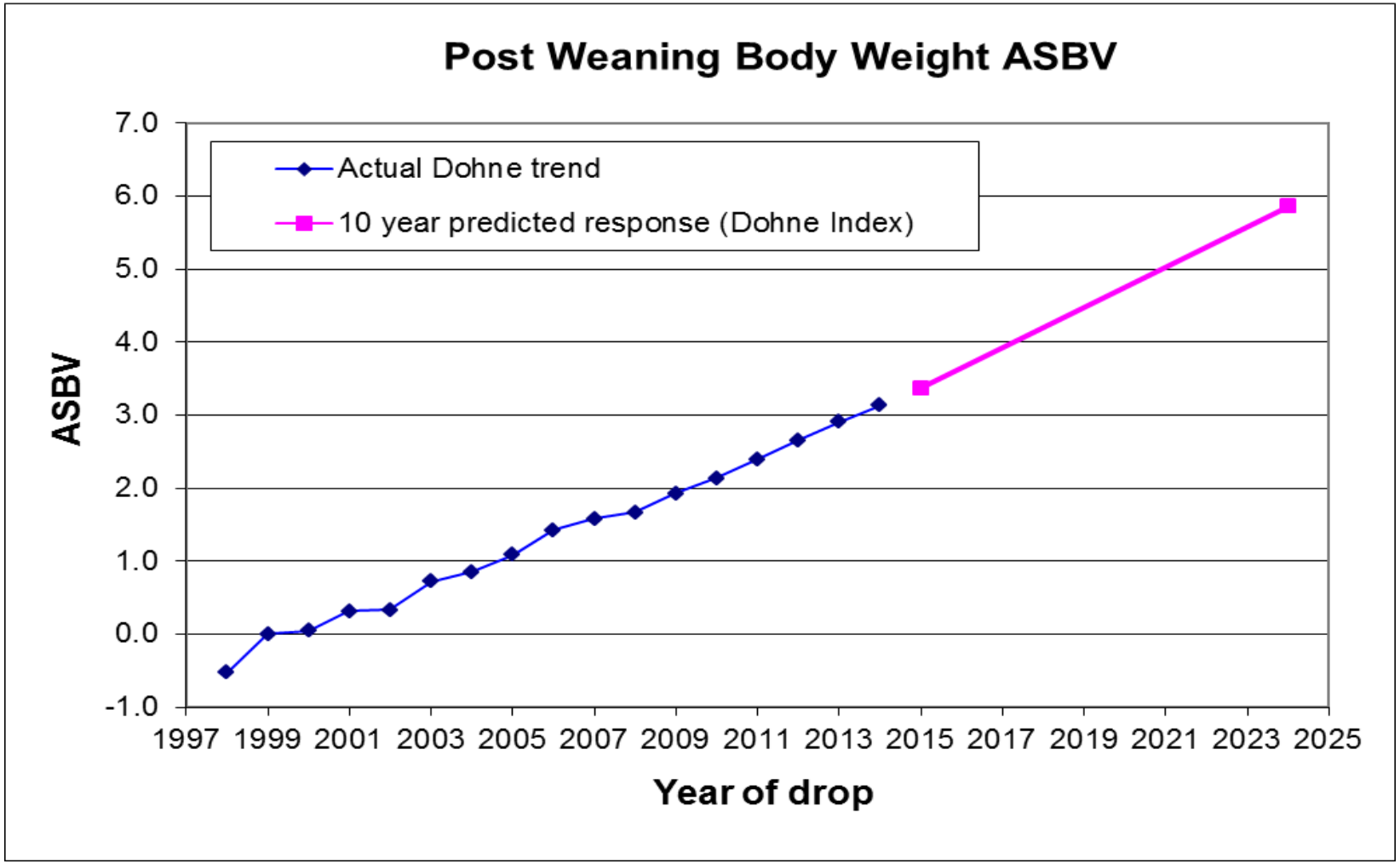
Genetic gain



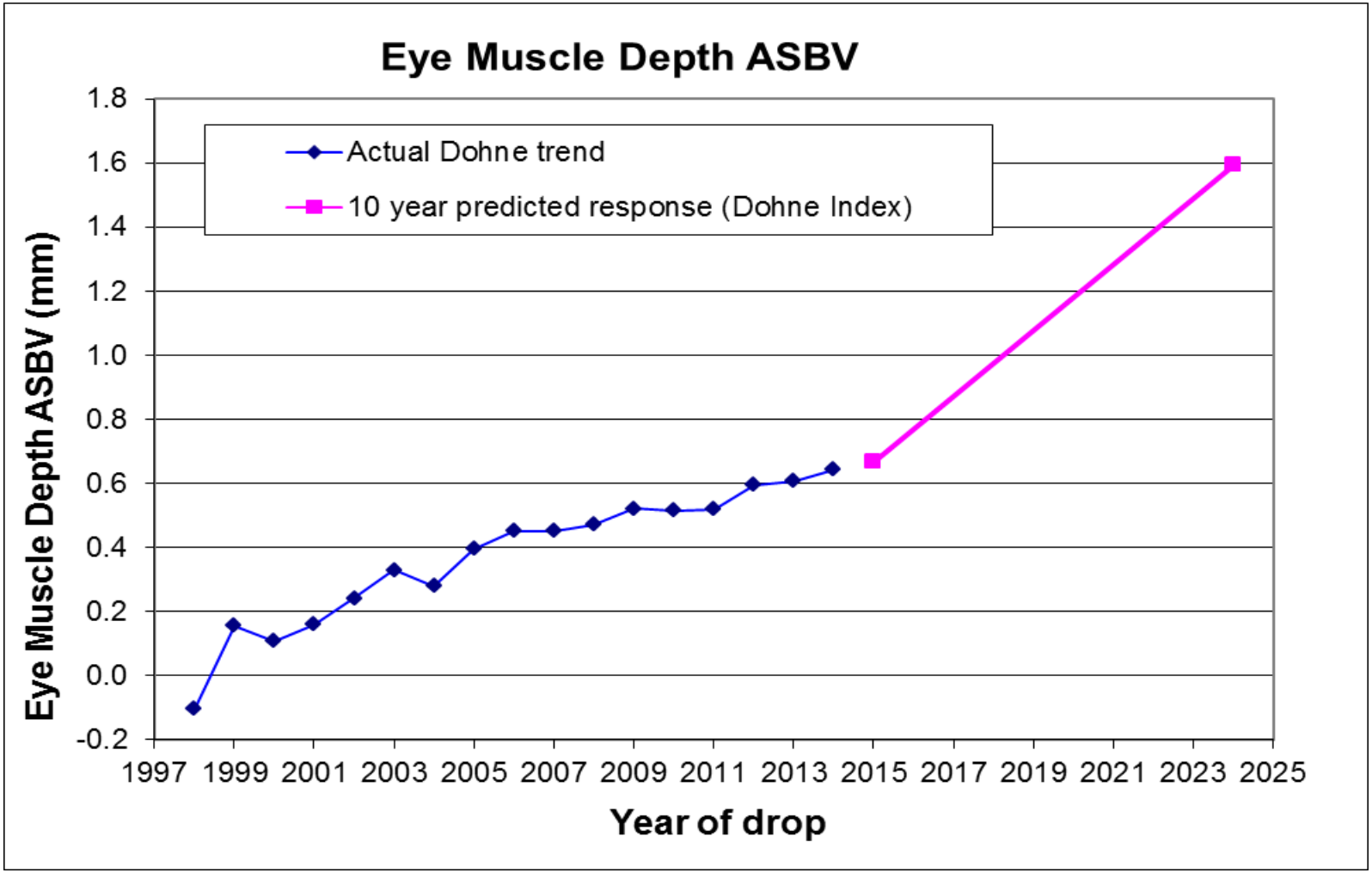
Genetic gain

Not just excellent gain
but importantly
gain in the
desired direction at
the expected rate

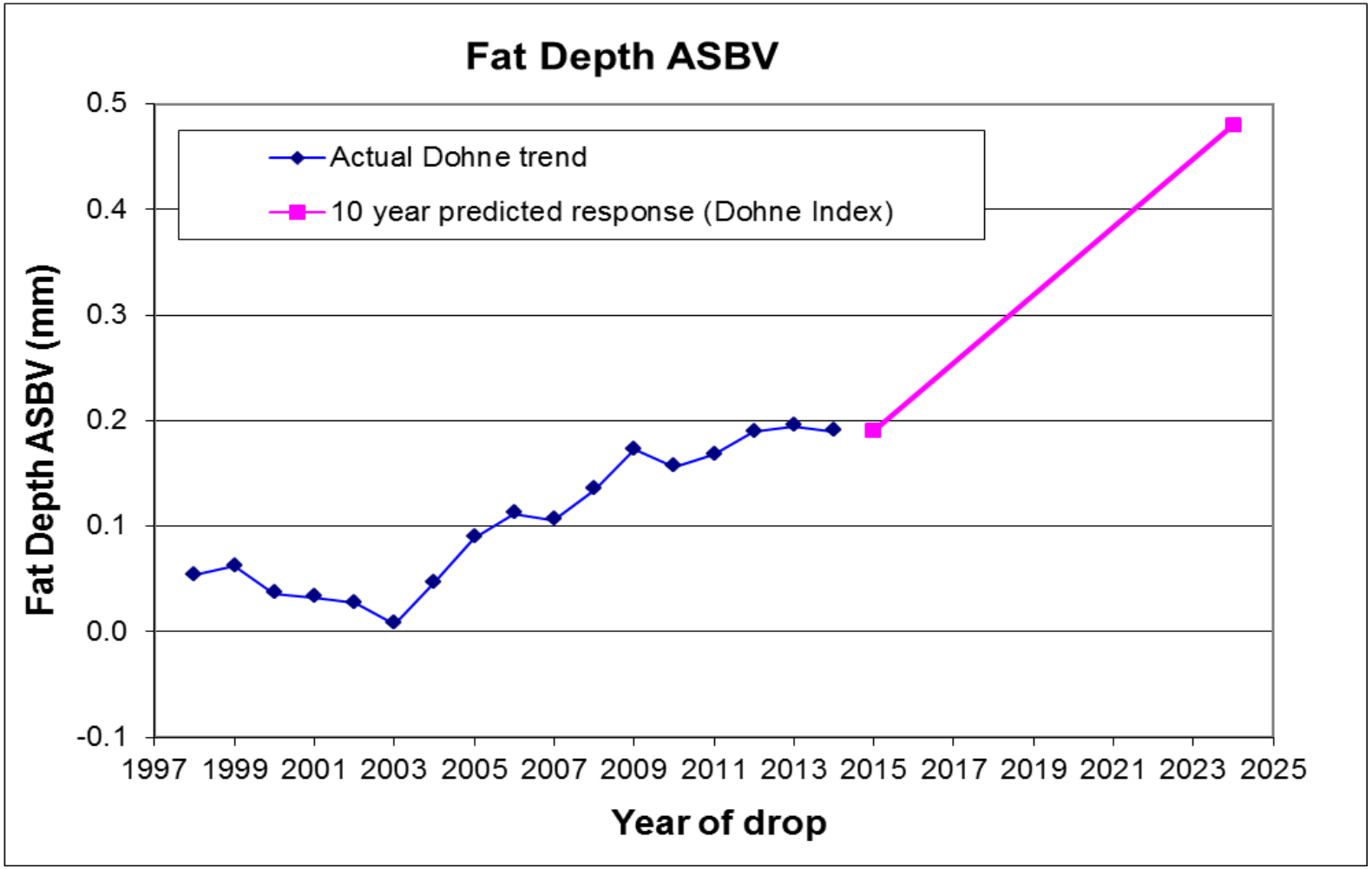
Trend for Body Weight



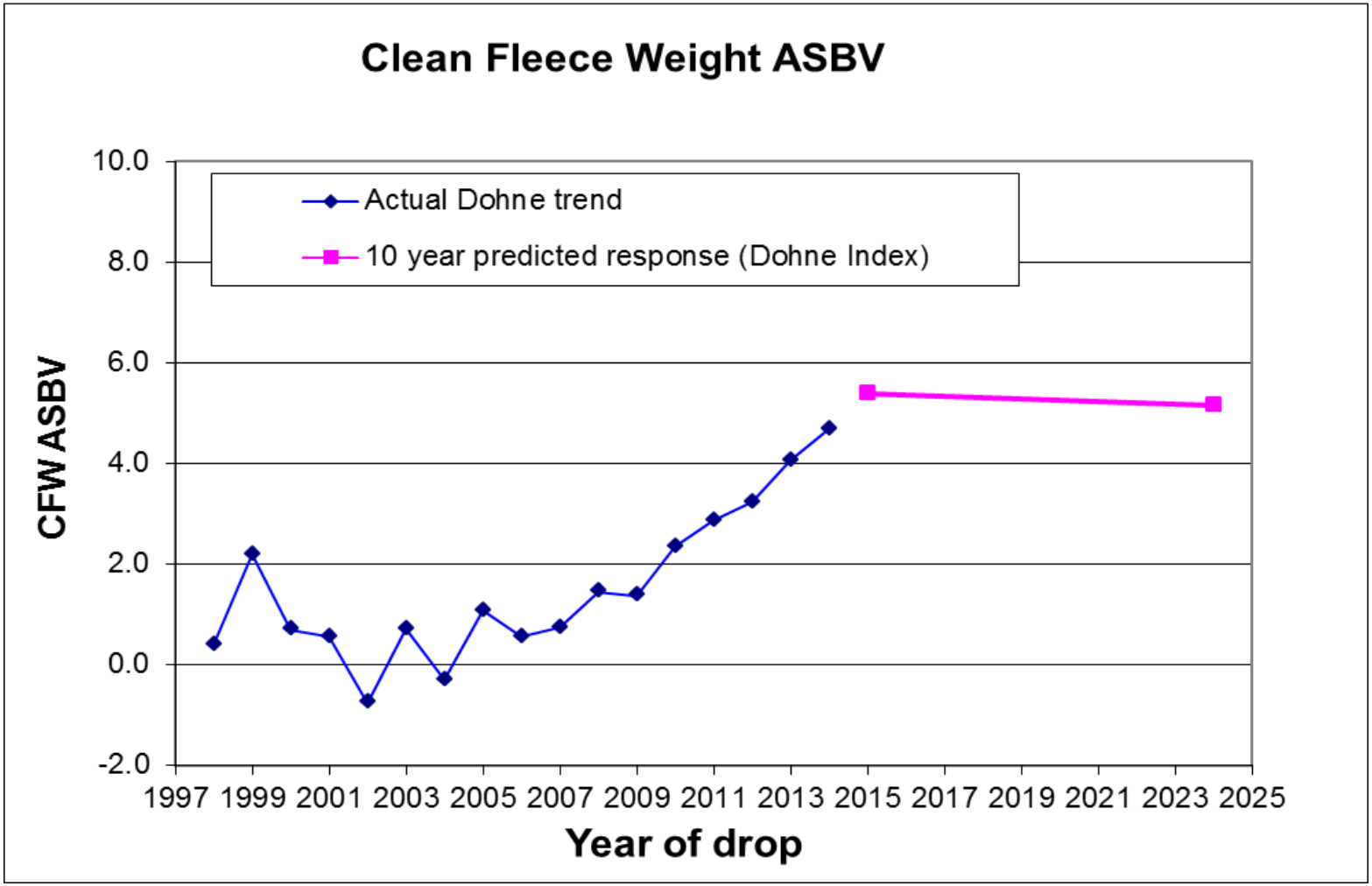
Trend for Muscle Depth



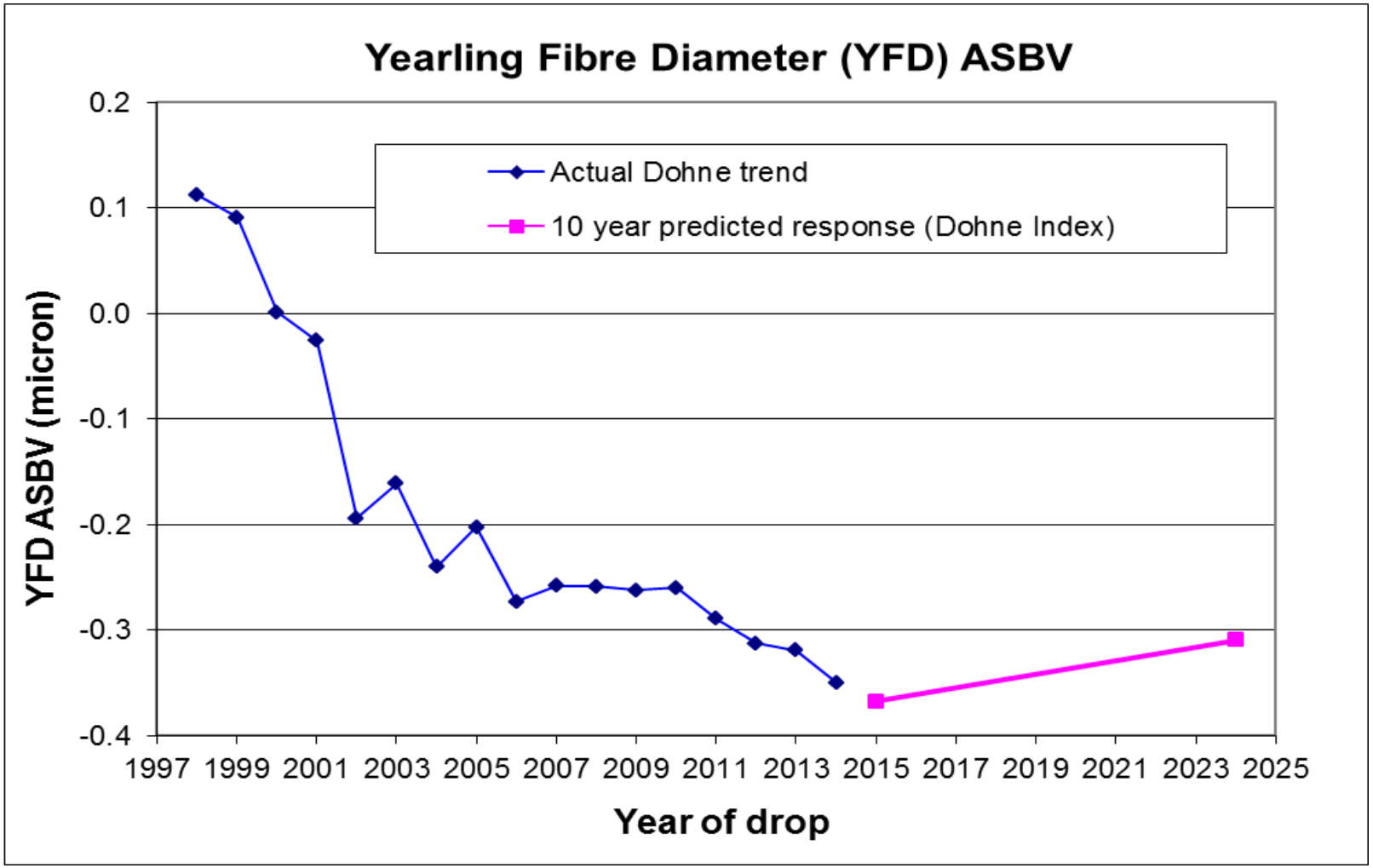
Trend for Fat Depth



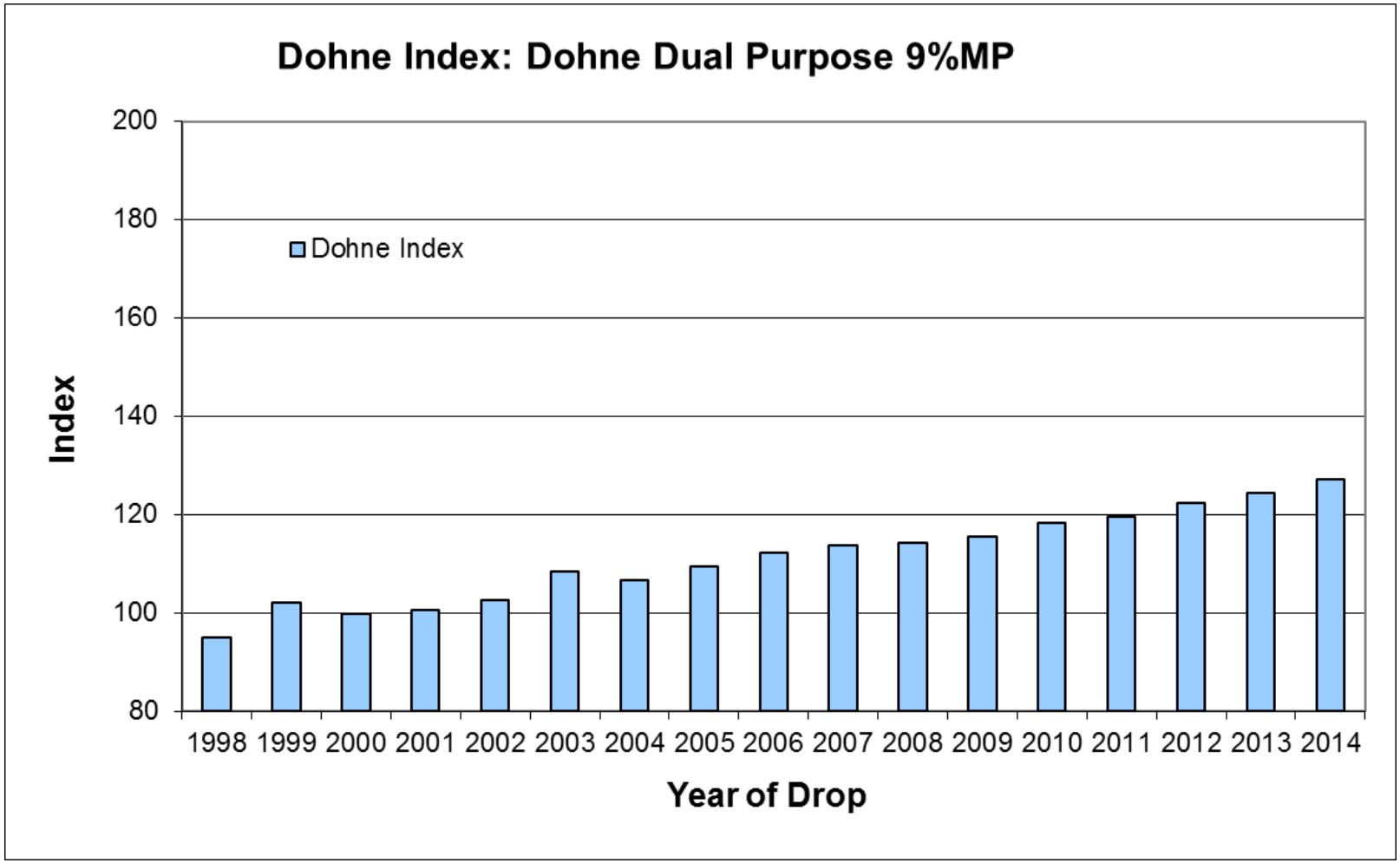
Trend for CFW



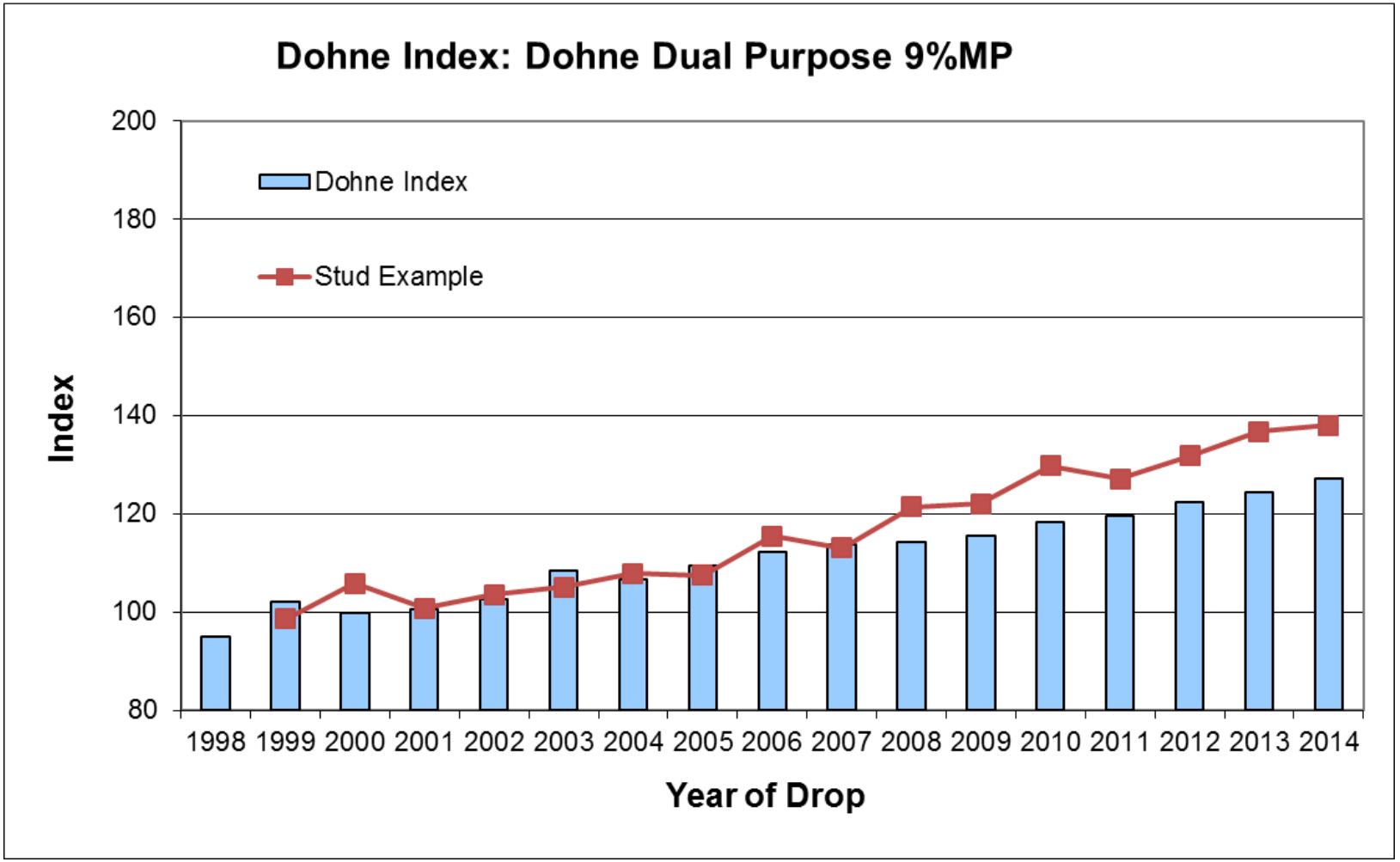
Trend for Fibre Diameter



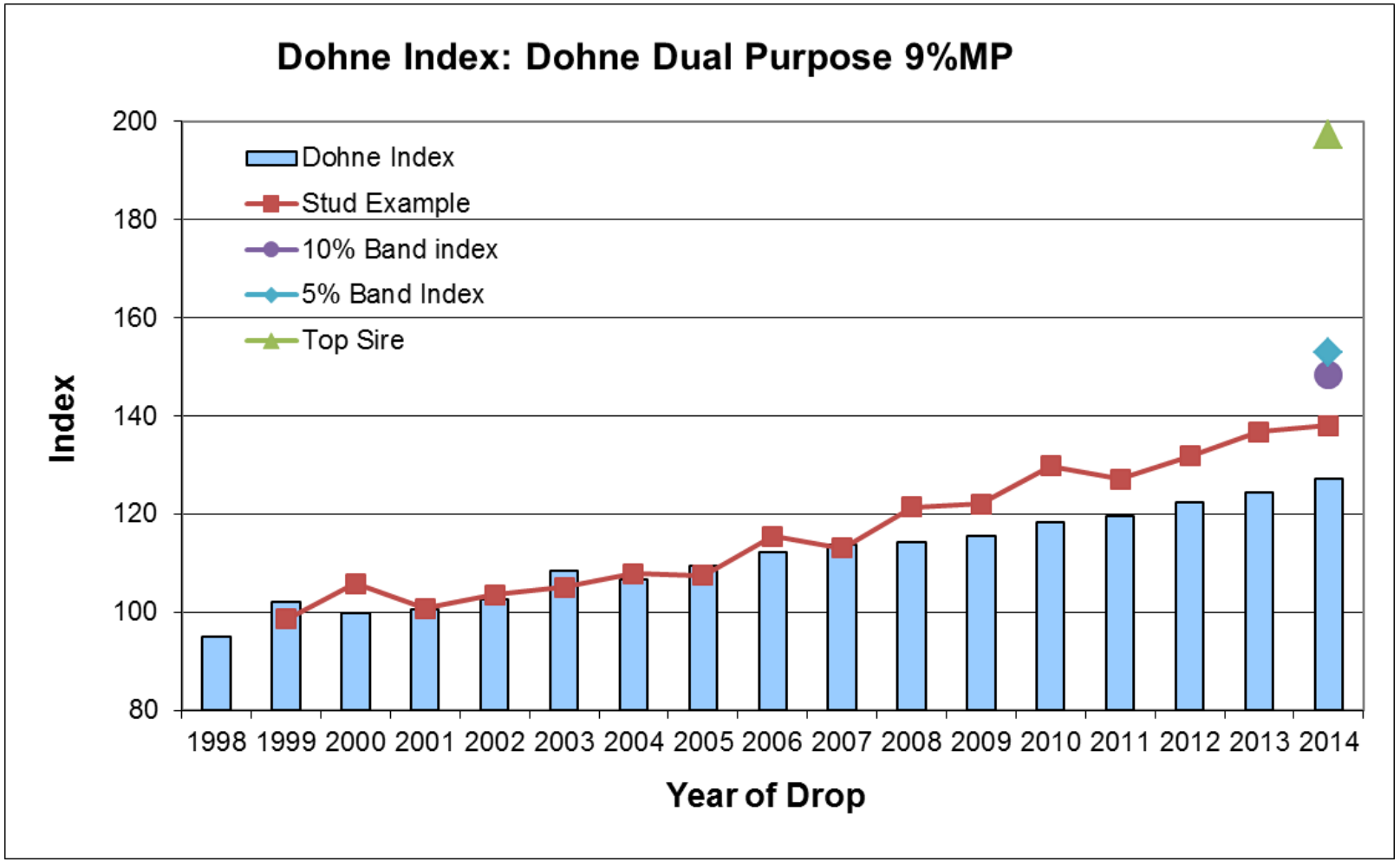
Can gain increase - present



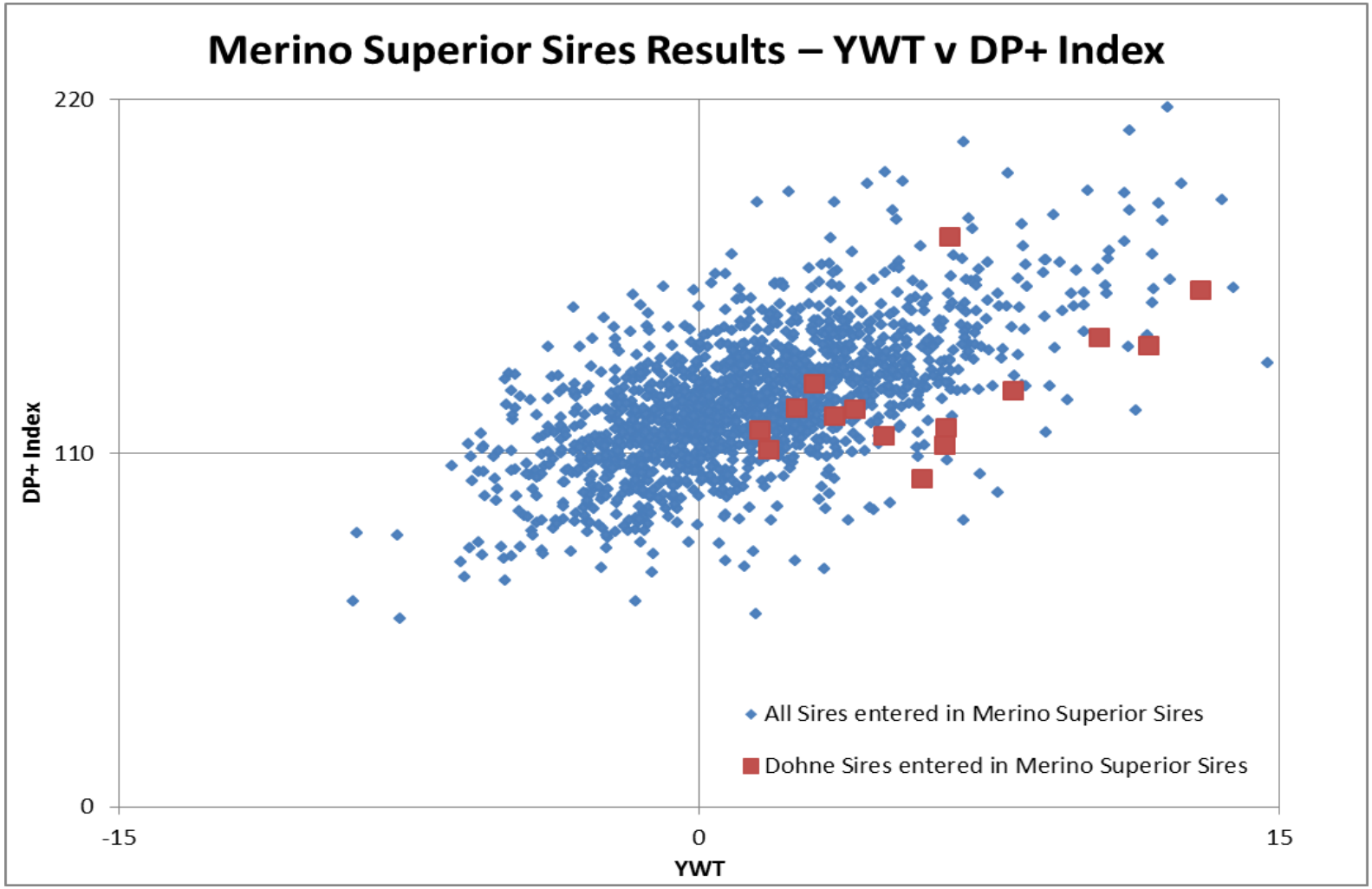
Can gain increase - flock



Can gain increase - tops



Can gain increase - Merinos



Adapting to industry needs

ADBA **aim**: to increase genetic gain relevant to **commercial producers** while giving ram breeders the opportunity for

- variation in Breeding Objective,
- to use new genetics,
- to use new technology,
- reduce costs,
- increase efficiency,
- provide a flexible marketing system.

Adapting to industry needs

One of the ADBA Councils that made the hard decisions

Change to achieve continuous improvement

- Australia started with DMBS high quality breeding, marketing and administration system.
- At the start add - across-flock genetic evaluation.
  Huge advantages: Commercial relevance + clear Breeding Objective + faster genetic improvement + obtain technology benefits + reduce costs, + industry efficiency + ease of marketing
- Update Standard Index to adapt to change in commercial sheep and wool market.

  Commercial relevance + Objective + marketing

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  - industry efficiency +
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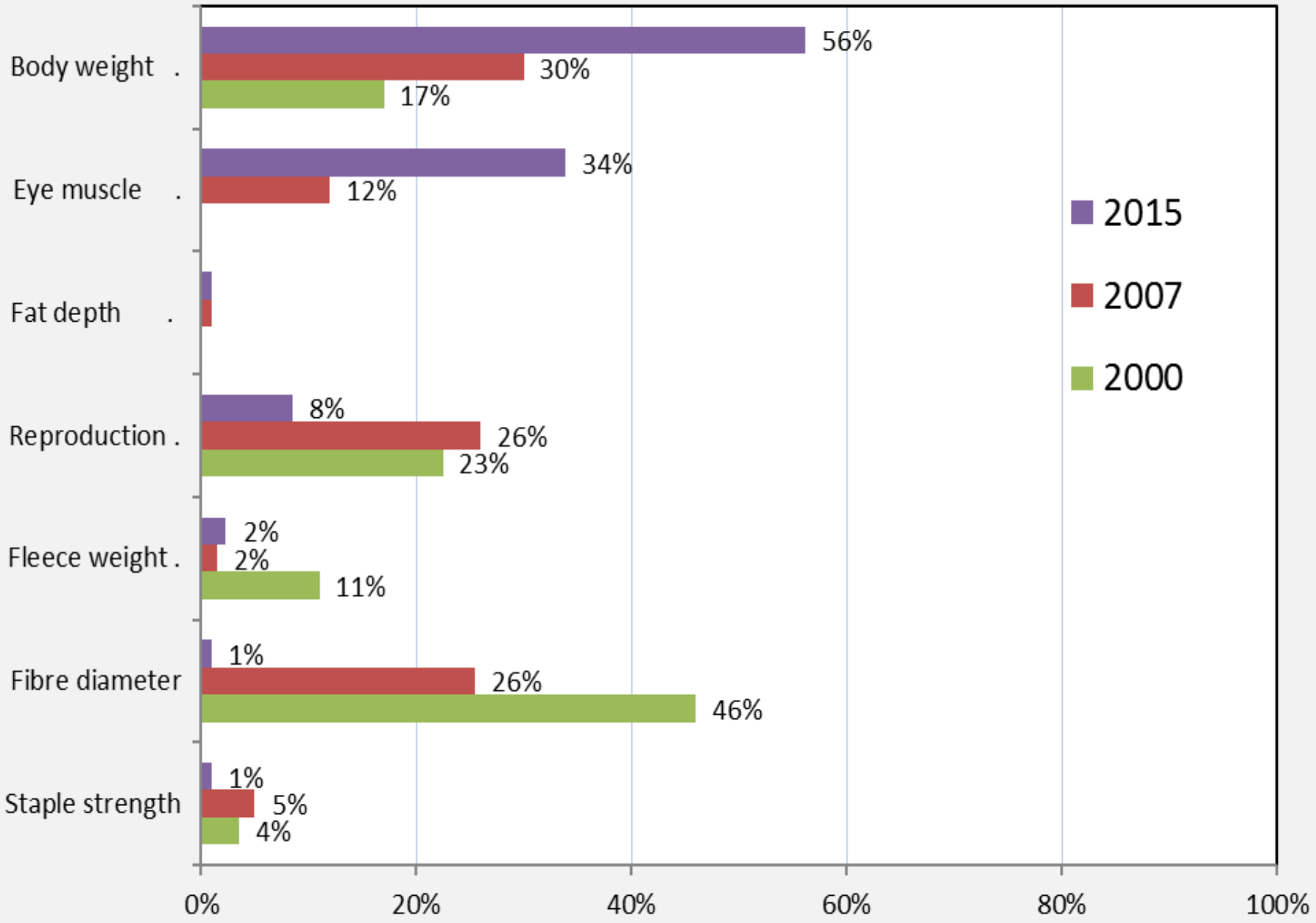
  Commercial relevance + Objective + marketing

Continuous improvement - Breeding Objective

- commercial producer focus
- visually assessed and measured traits
- development of 3 ADBA indexes:

- DMBS emphasis: **50% Meat, 50% Wool**
- 2000 Aust. market: **30% Meat, 70% Wool**
  maximise FD reduction - maintain FW – 12%MP
- 2005/6 - Index review – more emphasis on meat
- 2007 - Index update + Muscle & Fat, 9%MP
  70% Meat, 30% Wool
- 2014/15 - Index review – more emphasis on meat
- 2015 - Index update + 6%MP (maintain FD)
  95% Meat, 5% Wool

ADBA Index over time: 2000, 2007, 2015



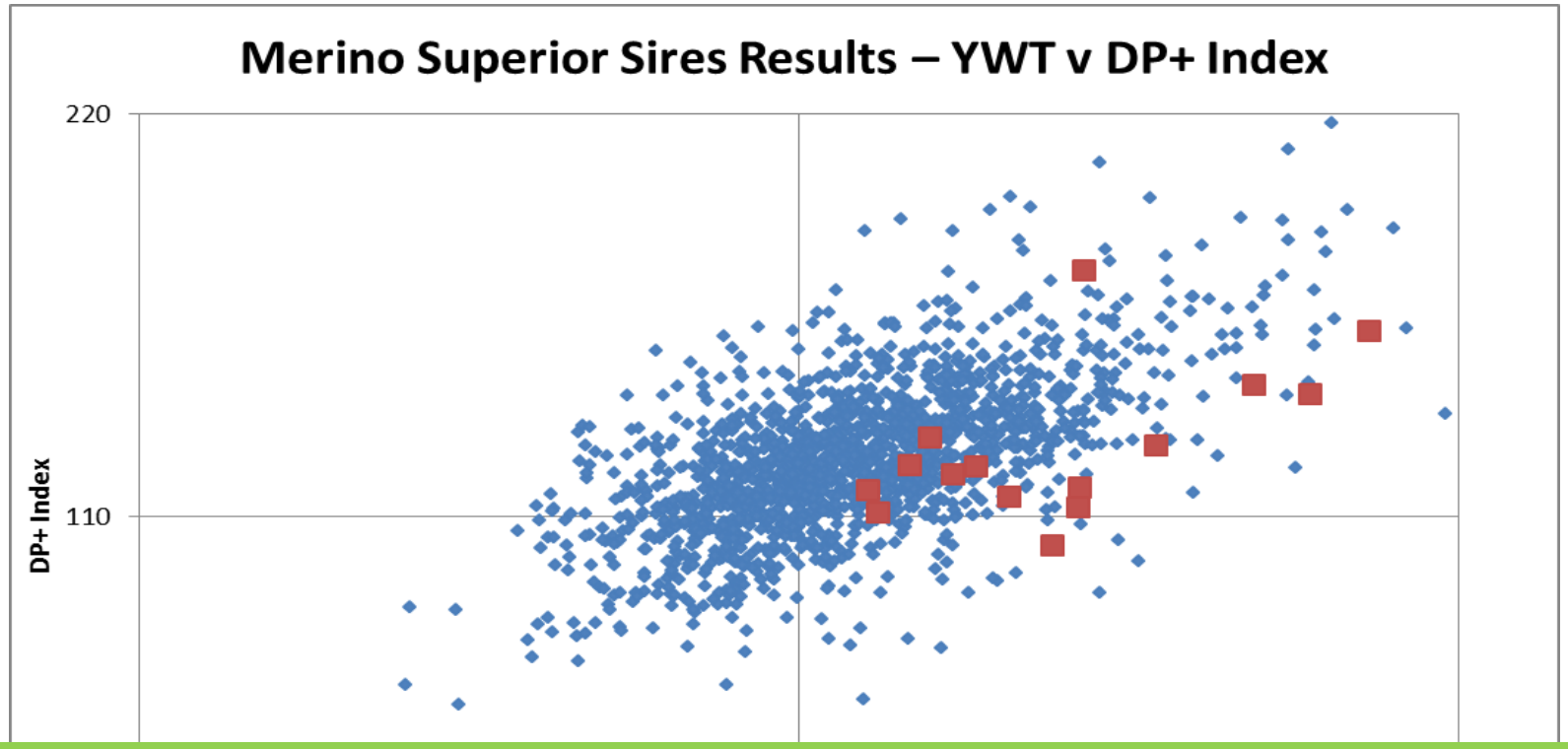
Opportunities for improvement - survival

Change is imperative; it is not an option.

Speed of change is critical.

- Embrace the use of SG/CRC tools; e.g. RamSelect
- Promote sheep wellbeing advantages
- Obtain ASBVs for reproduction traits
- Use of non Dohne genetics
- Use of genomics to increase efficiency of gain
- Breeding for meat eating quality
- Combined Dohne and Merino ASBVs

Can gain increase - Merinos



Change is imperative; it is not an option.

If other people have the opposite view toward a point of change this is not an indication that they are not thinking in the best interest of Dohnes.

If it is not working out – talk, don't just "email".

Change is imperative; it is not an option.

Thank you!

Two eminent Life Members
Sally Coddington and David Kain