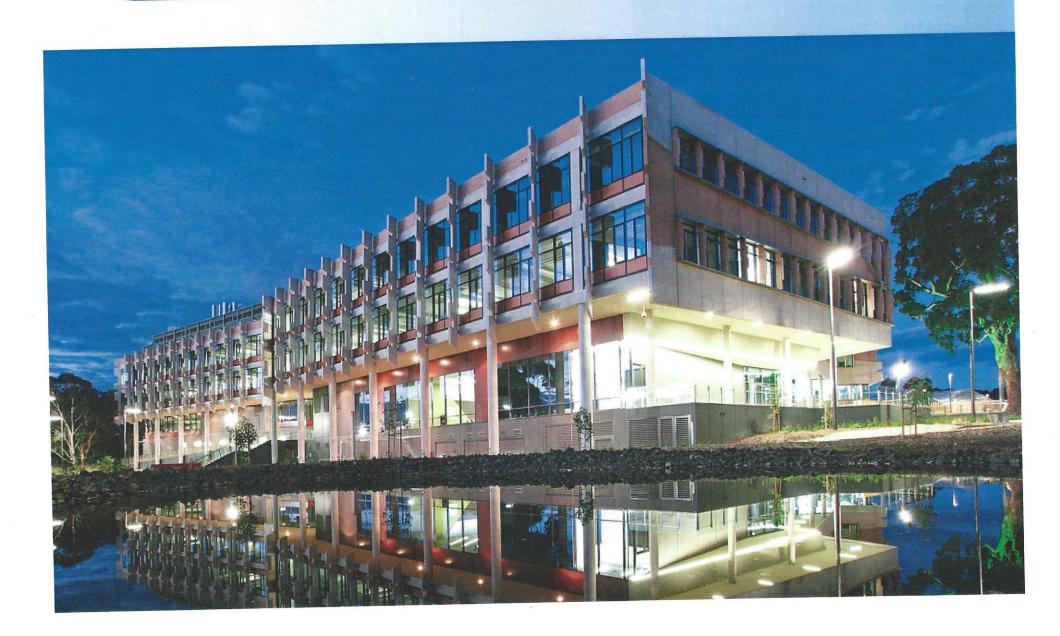
# NSW Discussion Group visits

February 2016
David Nation, CEO





# Dairy Futures CRC

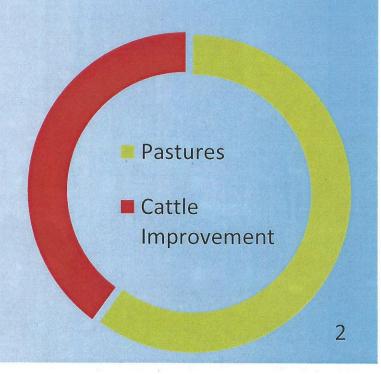


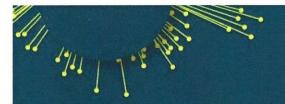
Will complete Term on 30<sup>th</sup> June 2016

6 ½ years of large investment (\$137 million). Farmer levy has been leveraged ~10:1

Straight forward path to on farm impact (seed, semen)

Education outcomes are a highlight 35 students set to graduate over 10,000 GiG participants







# Cattle innovations



#### How does the CRC have an impact?





Australian
Dairy Herd
Improvement
Scheme

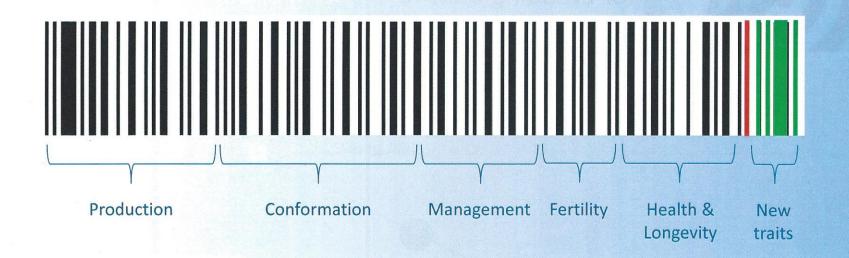








### Span of traits



Breeding Indices (BPI, HWI, TWI)

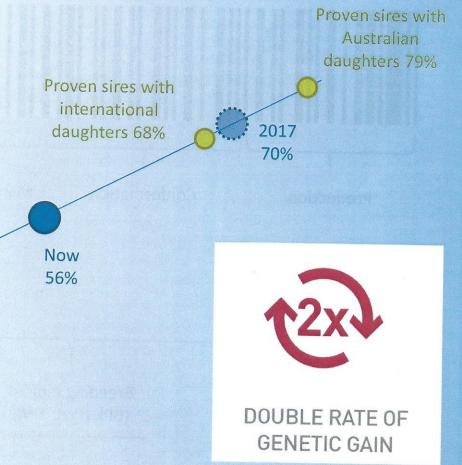






Pre-genomics ~20%

# Target 70% reliability for breeding indices of young sires









### Feed Saved trait

- New in April 2015
- Breed cattle that require less feed for the same milk production





#### How have we developed a heat tolerance trait?



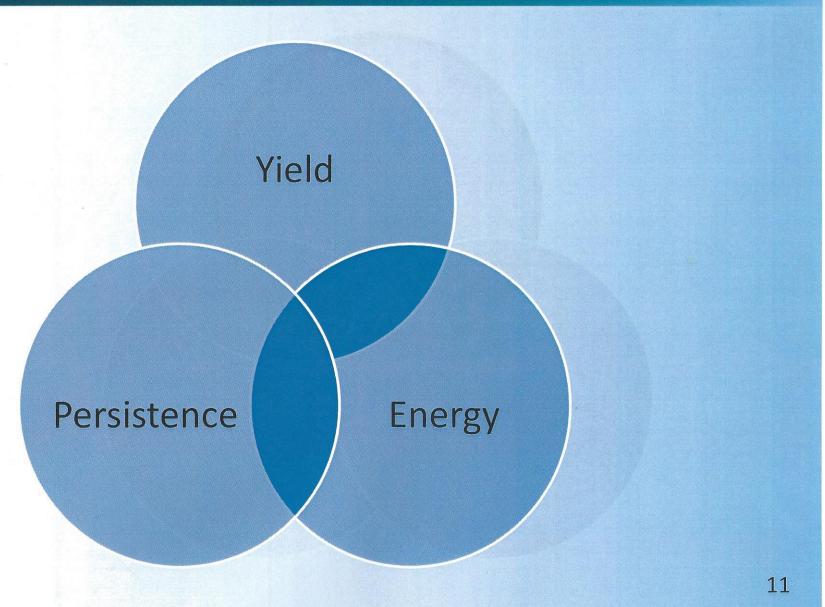




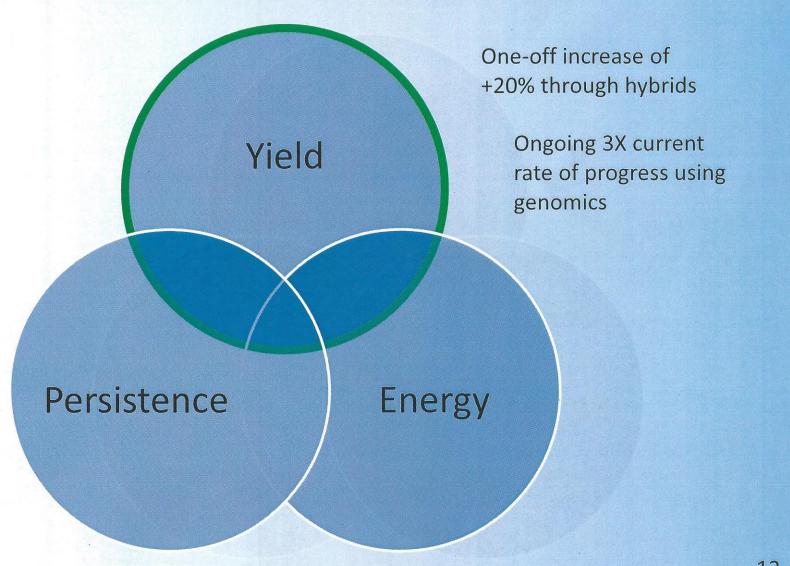


# Forage innovations

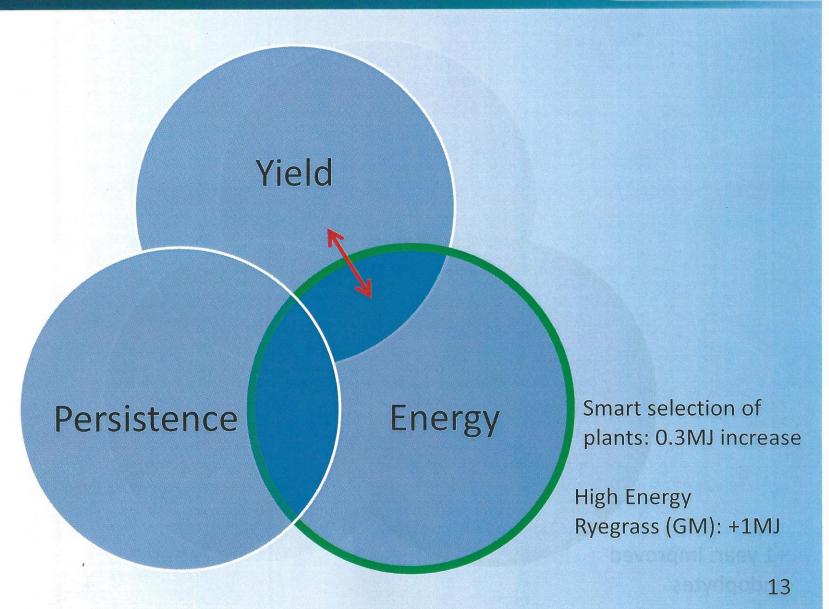




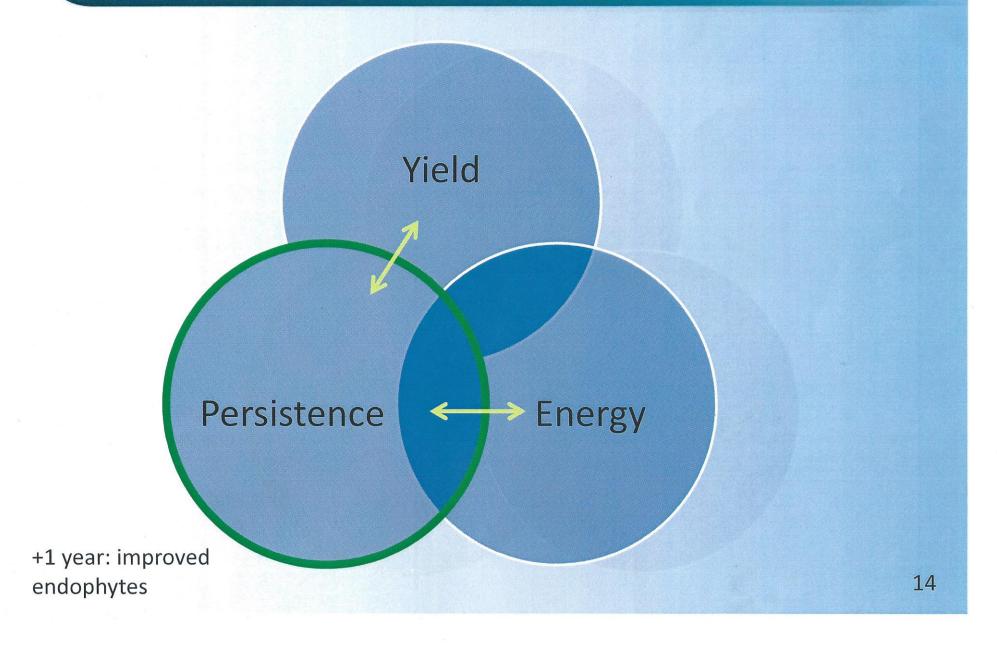




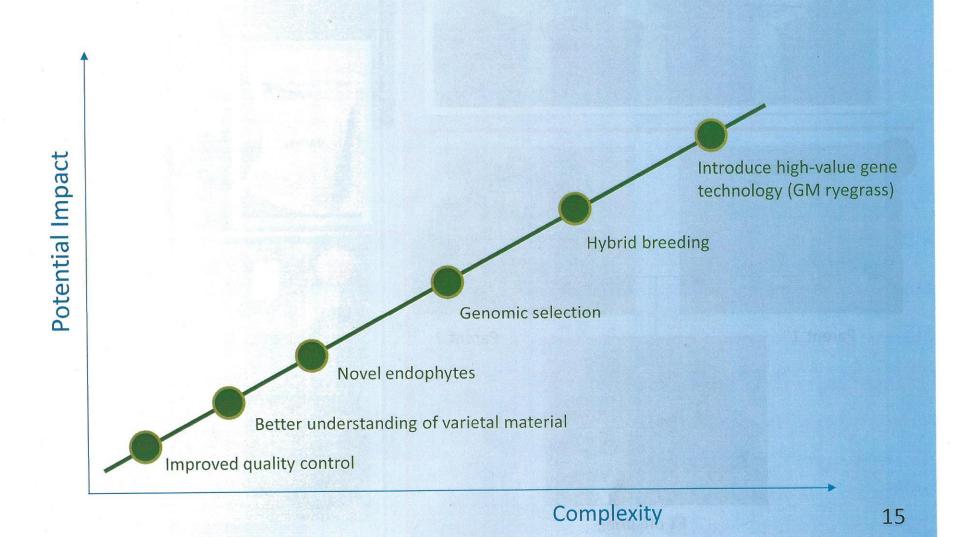
















Parent 1



Parent 2

F1 offspring





# Pasture innovations deliver large on farm impacts



#### Key reference points:

5y Average EBIT: \$736/Ha

FVI 1 vs 5 stars ~ \$500/Ha







+\$170/hectare

## www.dairyfuturescrc.com.au



More detail available via our website



# DairyBio

The continuation of dairy bioscience research from 2016 to 2021

## Vision of success for Dairy Bio

Salary Bio – Better Pastures \$800/HA p.a.

3X

#### PROGRESS IN PASTURE BREEDING

(eg 21 years of genetic gain delivered in 7 years)







**DELIVERED INTO EXISTING SEED MARKET**with no new regulation and with improved QA

Dairy Bio – Better Cattle \$350/COW p.a.



+50%

#### **GENETIC GAIN**

From 80% reliable genomic breeding values, 3 generations in 6 years c.f. 9 years



/COW

via DNA based targeted cow management tools



# 10% LOWER HEALTH COST

Selection for health traits

1/2 COST OF GENOMIC TESTING
in addition to cost savings from the CRC

#### **DELIVERED INTO EXISTING H.I. MARKET**

with a new focus on cow performance

# Modern infrastructure for dairy bioscience





