

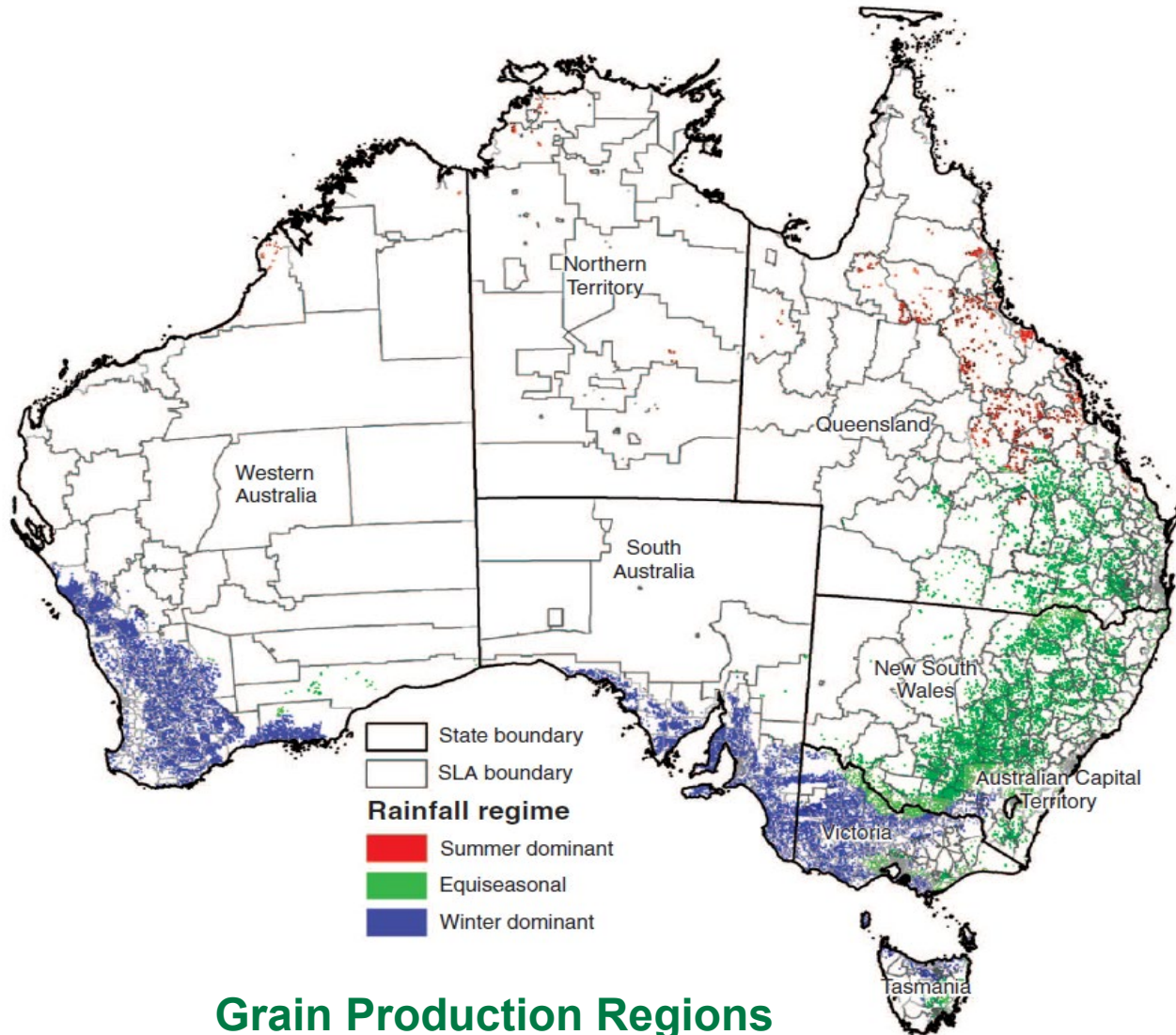
# Solutions for a better tomorrow.



**International Rapeseed Conference,  
Sydney, Australia 2023**

**Nigel Hart, Managing Director,**

# GRDC long term RDE Investor



Grain Production Regions

GRDC was created in 1991

Independent Government Corporation established under the Primary Industries Research and Development Act (1989)

Governed by a grain grower led Board coupled with independent experts

Grower levies are collected at the first point of sale and based on a percentage of the net farm gate value of 25 crops:

**Wheat**

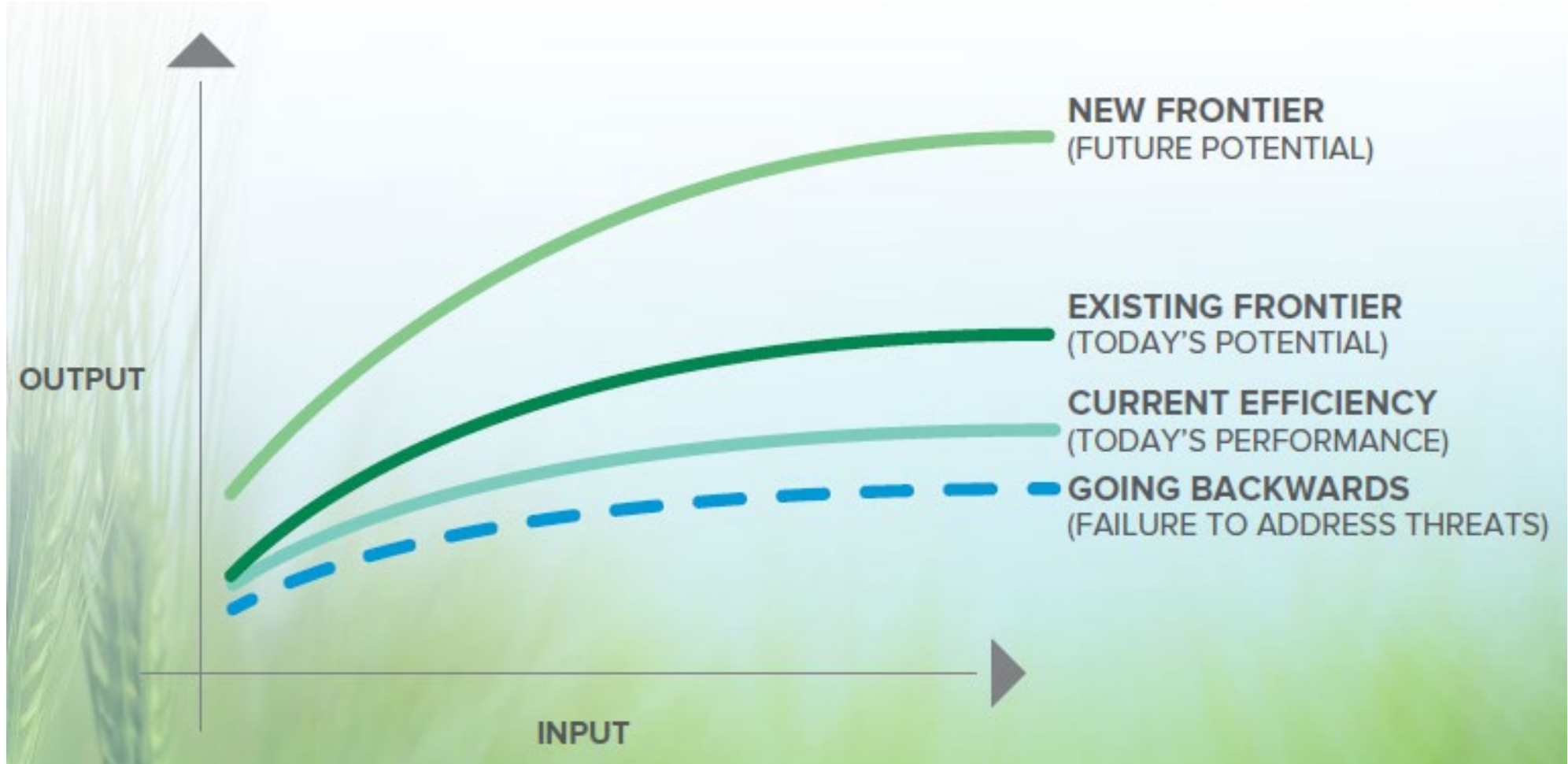
**Coarse grains** – barley, oats, sorghum, maize, triticale, millets/panicums, cereal rye and canary seed

**Grain legumes** – lupins, field peas, chickpeas, faba beans, vetch, peanuts, mungbeans, navy beans, pigeon peas, soybeans, cowpeas and lentils

**Oilseeds** – canola, sunflower, safflower and linseed.

# RD&E FOR TODAY & TOMORROW

INVESTING TO HARNESS EXISTING POTENTIAL & REACH NEW FRONTIERS



# **Our purpose is to invest in research, development and extension (RD&E) to create enduring profitability for Australian grain growers.**

We aspire to be recognised globally as leaders in innovation, driving the success of the Australian grains industry – investing to create solutions for growers and industry to adopt to support the sustainable production of safe and healthy food, animal feed and energy.

To maximise impact from every dollar we invest, GRDC partners with the brightest and most creative minds to drive the delivery of world class innovation.

**We have recently launched a new 5 year RDE Plan 2023 – 28 that seeks to offer new solutions for Australian growers for a better tomorrow.**

# SNAPSHOT

Our RD&E Plan 2023-28 outlines how we will continue investing to deliver gains from our current RD&E pipeline, as well as our intent to increase investment in innovative, new, boundary-pushing RD&E to position the grains industry for the future. We will do this through investment in four Strategic Pillars. GRDC will transition its current investment portfolio, shifting investment towards identified growth opportunities and investing in new areas of focus.

## PILLARS



### HARNESS EXISTING POTENTIAL

Growers hit yield and profit targets, across every paddock, every season.

## FOCUS AREAS

- Right crop & cultivar
- Biosecurity, weed, pest & disease control
- Optimise crop nutrition & improve soils
- Systems integration for reliable profit



### REACH NEW FRONTIERS

Productivity of crops exceeds what we thought possible.

- Step-changes in water & soil productivity
- Unlock plant potential
- Transform efficiency of input use



### GROW MARKETS AND CAPTURE VALUE

Growers have access to a diversity of markets and get more for the crop.

- Enduring access to a diversity of markets
- Add value to the crop to increase margins
- Lower post-farm gate costs



### THRIVE FOR FUTURE GENERATIONS

Australia's grains industry remains a global leader in sustainability, for people, the planet & our long-term ability to farm.

- Sustainable, responsible production systems
- Support communities & social licence

## FOUNDATIONAL ENABLERS

KNOWLEDGE TRANSFER  
AND ADOPTION

CAPACITY AND ABILITY

DATA AND INSIGHTS

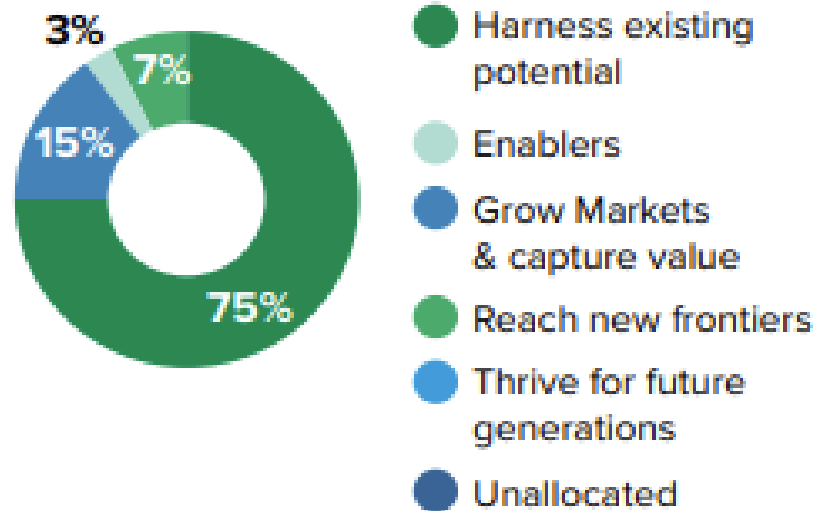
INNOVATIVE PARTNERSHIPS

# New RDE Plan – shifting portfolio

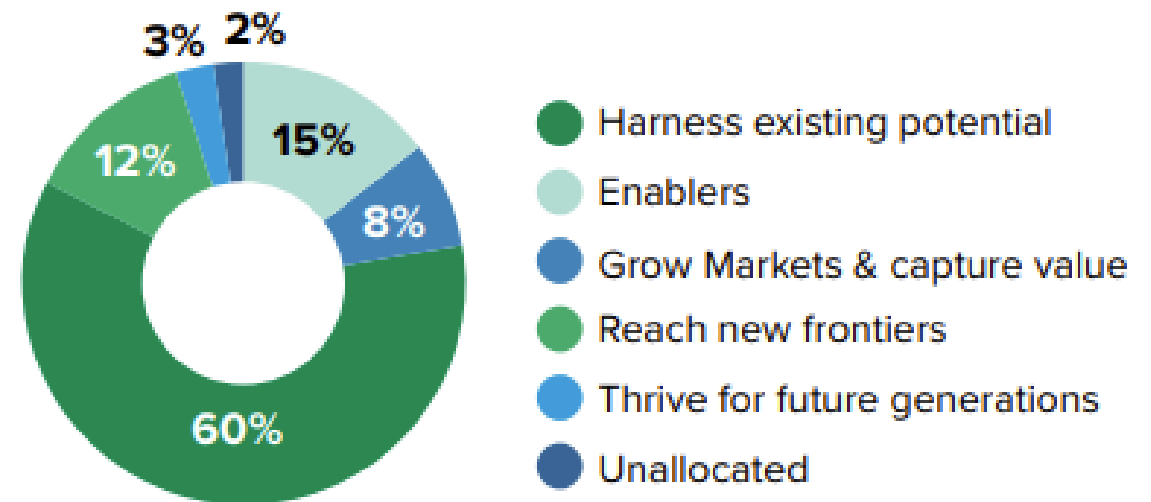
2018 – 23 Plan ~\$800M

2023 – 28 Plan ~\$1.3B

Total Allocated by Pillar



Allocation by Pillar



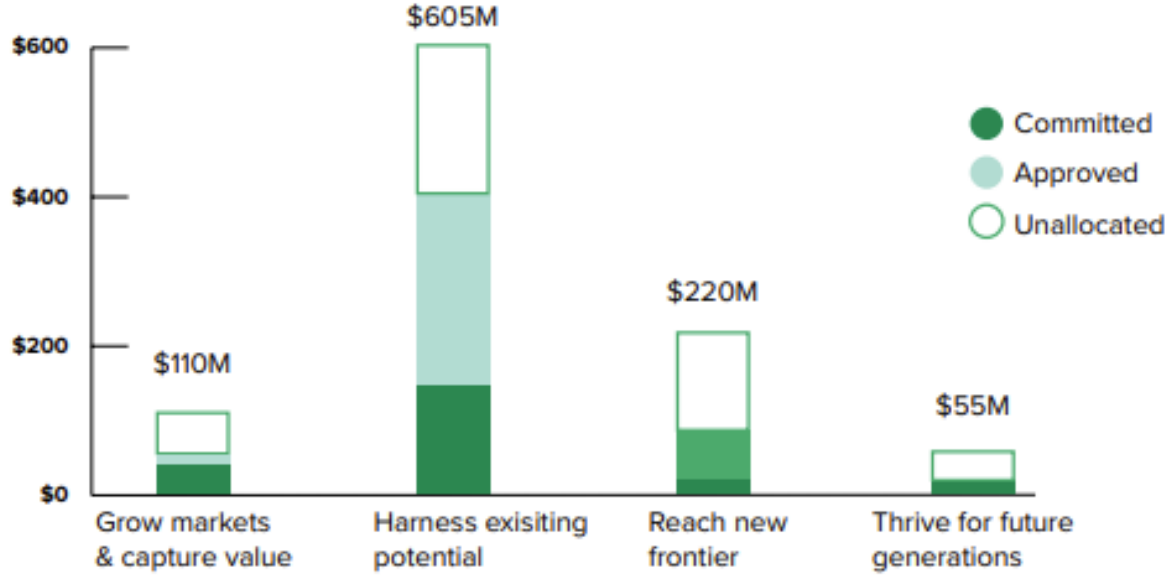
Forecast total GRDC RD&E budgeted expenditure (\$M) comparison, 2018-23 and 2023-28 RDE Plan Period

PLAN PERIOD	Harness existing potential	Reach new frontiers	Grow markets & capture value	Thrive for future generations	Enablers
2023-28	605	220	110	55	110
2018-23	595	110.5	42.5	8.5	93.5

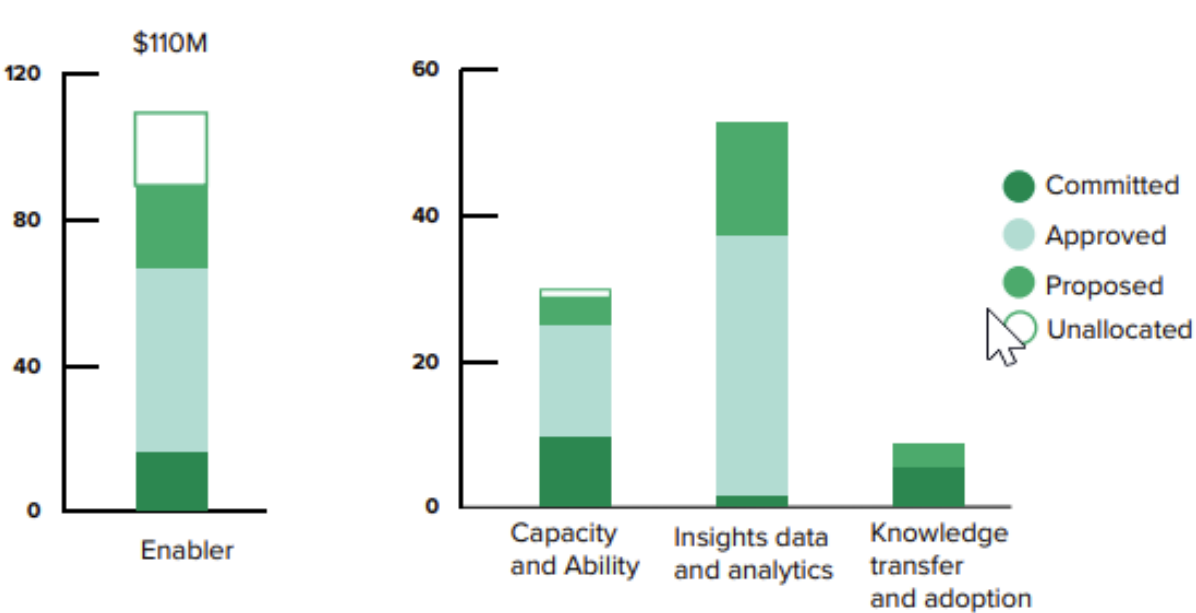
# Plan investment status

We are progressing well in identifying and investing against the new plan and have capacity for new investments to create value for growers

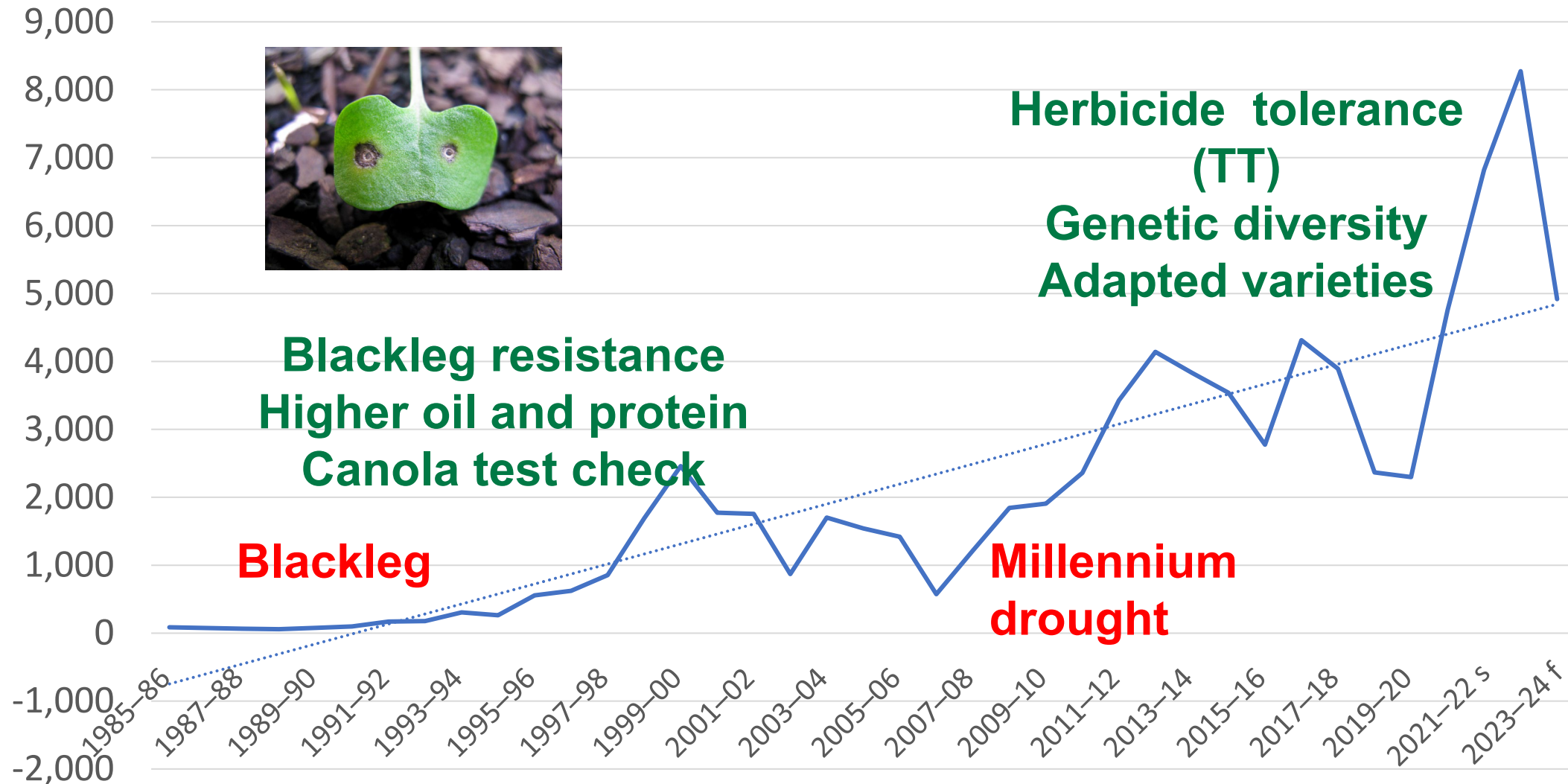
Total and budget by Pillar



Total and budget by Enabler



# Impact of RD&E on production of Canola in Australia (mmt)



# Future Canola Research – new frontiers



Join us in working to push the boundaries of productivity - increasing yield and yield stability, optimising input costs, adapting to climate change.

# Accelerating Genetic Gain Initiative

GRDC is seeking co-investment for \$20 million of targeted research and development investment that will deliver a step change in the genetic gain of Australian grain crops.

## Phase 1 - Global Engagement

Now open, closes 11 October 2023

## Phase 2 - Expression of interest

GRDC will run a competitive two-stage EOI process to identify and engage co-investment partners to deliver on investment priorities.

EOI Stage 1 expected to open December 2023.



# Thank you to the organisers, presenters and participants on the Wagga Wagga Field Tour



# Outlook towards 2040 - 2050



**30.6m** people living in Australia<sup>1</sup>



**1.4b** extra mouths to feed globally<sup>1</sup>



**39%** global population growth in Asia<sup>1</sup>

**32%** Electric vehicles to represent new passenger vehicle sales globally by 2030<sup>2</sup>



**Carbon intensity of ships to be cut by 40% by 2030<sup>1</sup>**

(International Maritime Organisation)

Additional

**13.7m**

tonnes of wheat demand across Indonesia, Philippines, Thailand and Vietnam<sup>1</sup>

**by 2030**



**More people will die prematurely from over-consumption than perish from starvation<sup>1</sup>**

**India** will import between **6-11m** tonnes of pulses p.a.<sup>1</sup> **by 2030**



Additional

**2.9m + 0.8m**

tonnes stockfeed

tonnes grain for food required domestically<sup>1</sup>



1. Kingwell, R. (2021). Grains industry supply/demand drivers and trends: Considerations for Australian grains RD&E. Report to GRDC by the Australian Export Grains Innovation Centre (AEGIC)

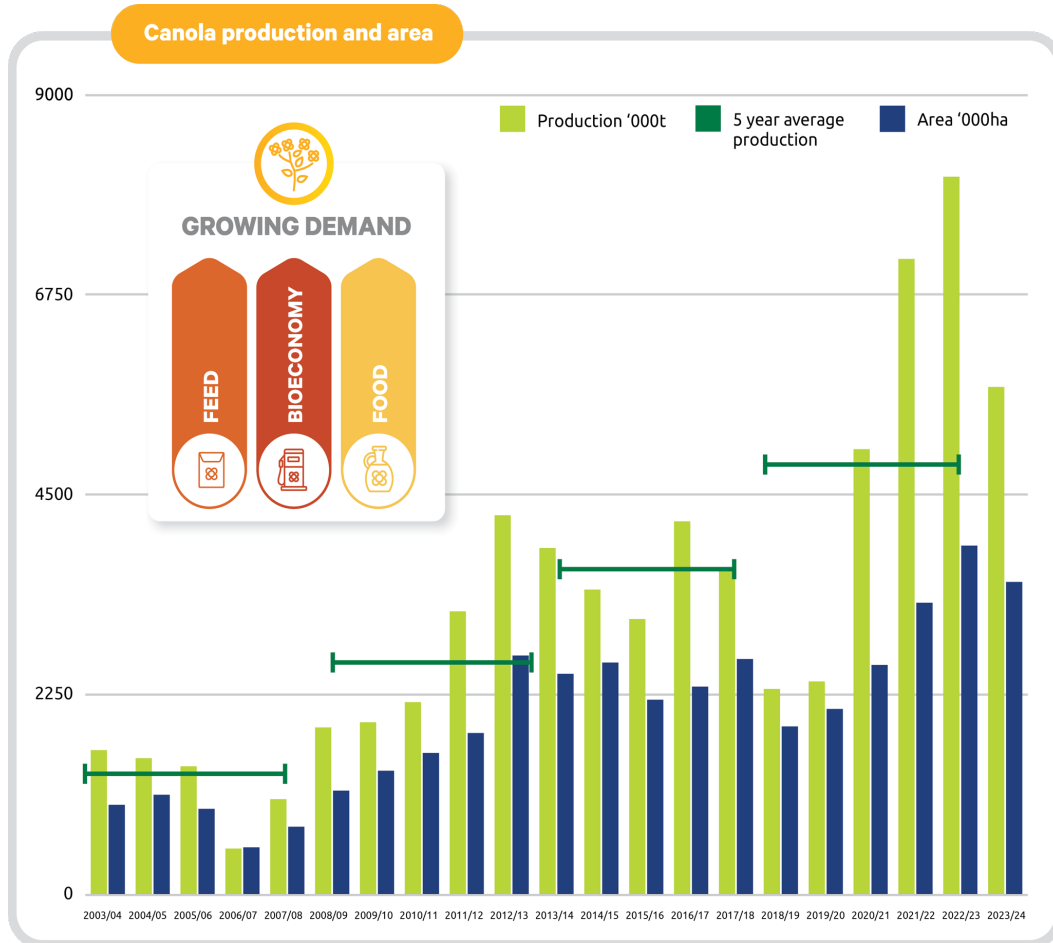
2. Deloitte (2020). Deloitte Insights: Electric vehicles. Setting a course for 2030. Deloitte University EMEA CVBA, B-1831 Diegem, Berkenlaan 8b.



World-class innovation, creating solutions for Australian grain growers and consumers for a better tomorrow.

**THANK YOU**

# The Australian Canola Industry Well-positioned for growth by 2035



# Vision 2035



DOING THE BASICS BETTER



DRIVING FUTURE GROWTH

## Pillars for Success

1.

### Market diversification

Australian canola industry meets current customer requirements and changing market demands for oil, protein and fuel.

2.

### Sustainability

The Australian oilseed industry is globally recognised as environmentally, socially and economically sustainable.

3.

### Productivity and Performance

Canola continues to deliver value to farming businesses and farming systems, by meeting current and future customer needs for oil and protein, while remaining a preferred crop for growers with enhanced sustainability credentials.

4.

### Value chain

Continued investment in value adding and technologies to support industry growth.

5.

### Innovation

Innovation culture across the value chain with access to all new innovation tools that deliver value for the industry.

6.

### Influence

AOF provides effective leadership and communication to facilitate Industry collaboration within the canola sector and broader grains industry organisations to drive and support Vision 2035.

Supported by enabling activities such as capacity, people, data and partnerships.



*nature's finest*



[www.australianoilseeds.com](http://www.australianoilseeds.com)

SEPTEMBER 2023

Download the vision

