

# GRDC investment in R, D & E addressing priority issues identified by the Regional Cropping Solutions Network - South



## FARM BUSINESS MANAGEMENT

- Agprofit - Practical financial figures for farm business management
- Assessing the economic value of precision agricultural tools for grain farming businesses in the Southern Region
- Development of a grower and industry based GRDC Farm Business Management Manual in hard copy and e-Book format
- Extension of knowledge and resources to manage risk and exploit opportunities to improve whole farm profit through successful integration of cropping and livestock enterprises in the GRDC Southern Region
- Grain and Graze II - Farm business logic application
- Grain and Graze III - Extension and deliver on mixed farm benefits in the Southern Region
- GRDC Farm Business Updates
- Identifying the key production and profitability drivers using commercial paddocks
- National Paddock Survey Initiative
- The integration of technical data and profit drivers for more informed decisions



## BUILDING SKILLS AND CAPACITY

- Building capacity, skills and knowledge for the pulse industry in the Southern Region: Supporting expansion of high value pulses into new areas and ensuring sustained profitability of all key pulse crops in existing areas
- eXtensionsAUS
- Grains Industry (Research) Scholarships
- GRDC Conference Sponsorship
- GRDC Farm Business updates
- GRDC Research Updates
- GRDC - SARDI Bilateral Agreement
- Grower and Advisor Development Program
- Grower Leadership and Development Program
- Improving practices and adoption through strengthening development and extension capability in the Southern Region - GRDC - DEDJTR AgVic Bilateral Agreement

# GRDC investment in R, D & E addressing priority issues identified by the Regional Cropping Solutions Network - South



## TRANSFORMATIONAL TECHNOLOGIES

- Automated Weed and Plant Recognition for Agricultural Applications - Grains Industry Research Scholarship
- Future Farm Program
  - » Theme 1 - Intelligent Sensing
  - » Theme 2 - Intelligent Decisions
  - » Theme 3 - Intelligent Infrastructure



## CLIMATE & ABIOTIC STRESSES

- Assessing and managing heat stress in cereals
- Managing Climate Variability Programs I - V
- National Frost Initiative
  - » Genetics
    - Screening of frost tolerance in cereals
    - Identification of wheat frost tolerance loci using a combination of genetics, biochemistry and molecular approaches
    - Determining yield under frost - one degree at a time
  - » Management
    - Advancing profitable farming systems - frost risk management
    - Spatial temperature measurement and mapping tools to assist growers, advisors and extension specialists manage frost risk at a farm scale
    - Advancing profitable farming systems - frost risk management
  - » Environmental Prediction
- Rural R & D for Profit - Seasonal Forecasting
- Using seasonal forecast information and tools to manage risk and increase profitability in the Southern Region