

GRDC investment in R, D & E to address important issues identified by the Southern Regional Cropping Solutions Network

List of investments was current at 31 May 2019



FARMING SYSTEMS & AGRONOMY

- Agronomy to support the expansion of feed grain production in Tasmania
- Benchmarking and validating the yield gap in each agro-ecological zone
- Boosting profit and reducing risk of mixed farms in low and medium rainfall areas with newly discovered legume pastures enabled by innovative management methods
- 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.
- Development of crop management packages for early sown, long season wheats in the Southern region
- 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 south
- Facilitating increased on-farm adoption of broadleaf species to improve grain production and profitability
- Genotype and management combinations for highly productive cropping systems in the high rainfall zone of southern Australia.
- GRDC GrowNotes™
- Hyper-yielding cereals - a feed grain initiative
- Identifying the key production and profitability drivers using commercial paddocks - Victorian Mallee
- Improving crop emergence through the better use of seeding technologies
- Improving the profitability of pulse production through local validation of research outcomes in the Southern Region
- Increasing the effectiveness of nitrogen fixation in pulse crops through development of improved rhizobial strains, inoculation and crop management practices
- Legume management for economic nitrogen production in low rainfall areas of north west Victoria
- Management of high rainfall cropping to improve water quality and productivity
- National Paddock Survey
- Nitrogen fixing break crops and pastures for high rainfall acid soils
- Optimised canola profitability - understanding the relationship between physiology and tactical agronomy and management
- Optimising high rainfall zone cropping for profit in the Western and Southern Regions
- Optimising nitrogen fixation of grain legumes - Southern Region
- Optimising plant establishment, density and spacings to maximise crop yield and profit in the southern and western regions
- Optimising yield and economic impact of high input cropping systems in the high rainfall zone
- Profitable crop sequencing in the low rainfall areas of south eastern Australia
- Southern Pulse Agronomy
- Stubble Initiative
 - » Research Support
 - Yorke Peninsula & Mid North
 - » Co-ordination and Communication Support
 - Upper North
 - Riverine Plains
 - » Farming Systems
 - Victoria & Tasmania
 - Upper Eyre Peninsula
 - Lower Eyre Peninsula
 - South East & Kangaroo Island
- Understanding the implications of new traits on adaption, crop physiology and management of pulses in the Southern Region
- Validating recent research on break crop options in the low rainfall zone to determine the best options for the different climate, soil type and biotic stress situations
- Validation of the persistence of common residual herbicides being used across the low rainfall zone under current farming systems (which are dominated by stubble retention and no-till crop establishment) and to develop techniques
- Warm and cool season cover cropping for sustainable farming systems in south eastern Australia