



Expression of Interest EOI 2018-19

Part 1- General Details

		EOI ID	1819-EOI-0148
EOI Title: (max 80 char)	Understanding motivational factors for improved spray application on farms		
Type of Research	Applied		
Proposed Start Date:	01/07/2018	Proposed Cease Date:	30/06/2020
<i>Please refer to CRDC's Strategic R&D Plan 2013-2018 for the following.</i>			
CRDC Program	4. People		
CRDC Theme	4.1 Workforce capacity		
CRDC Strategy	4.1.4 Supporting educational opportunities, which increase the skills and knowledge of current workforces and will meet the needs of future workforces.		
<i>Please identify the relevant Measure of Success as outlined in the CRDC Strategic R&D Plan.</i>			
CRDC Measure of Success:	A skilled educated and progressive workforce		
Science and Research Priorities	Food(2) knowledge of the social, economic and other barriers to achieving access to healthy Australian foods.	100 %	
Rural R&D Priorities	Adoption of R&D, focusing on flexible delivery of extension services that meet primary producers' needs and recognising the growing role of private service delivery.		
R&D Manager:	Ian Taylor	EOI Date:	18 August 2017

Part 2 –Expression of Interest Requirements

Issue: The off target movement of pesticides is a significant factor that impacts agricultural production at numerous scales, with over 57,000 ha of cotton being impacted through drift of Auxin based herbicides in 2017, and over \$20Million dollars of cotton being damaged by drift in 2016. Despite education programs and workshops aimed at improving spray application over many years the Australian cotton Industry is both a recipient of and a contributor to off target movement of pesticides. To reduce the incidence of drift within the agricultural sector there is a need to understand the barriers to change through social research to enable more relevant and appropriate mitigation programs to be developed.			
Outcomes: Barriers identified and extension/adoption activities are modified based on findings. Incidences of spray drift are reduced by 50% through improved delivery. Proven Science supports adoption of best practice spray application			
Project description: This study seeks to understand and identify barriers to improved spray application and to formulate recommendations to overcome the identified impediments to best practice spray application. This project will link to initiatives being undertaken by GRDC, Nufarm (spraywise) and other industry initiatives including the development of inversion monitoring.			
Project Investment: Budget indicated is maximum available. Where the FRP only seeks to address some of the outcomes, the budget will need to reflect this. Overseas travel is not to be included in FRP budgets unless it directly relates to a project output and is an explicit milestone. Otherwise overseas travel must be made as a separate travel application.			
Year	2018-19	2019-20	2020-21
Indicative budget (up to)	\$ 75,000	\$ 75,000	\$ 0

Part 3 – Selection Criteria

The following selection criteria will be used by the CRDC to assess the full research proposals (FRPs) received for each Expression of Interest.

153. A sound understanding of the nature and importance of the outcome to the Australian cotton industry:

The research applicant must address the Issue, Outcome and Project Description in terms of the CRDC Strategic Plan and demonstrate understanding of the impact on the Australian cotton industry.

154. Soundness and clarity of the proposed R&D methods to address project deliverable outcomes:

The research applicant must describe how the research methodology employed will enable the project outcomes to be delivered

155. Demonstrated capacity of the nominated researcher/s to provide project coordination, management, monitoring and evaluation for the timely delivery of high quality outputs:

The research applicant must describe the research team's project management skills and experience and may include a recent example of a completed project. They must detail the monitoring and evaluation strategy which should include any steering committees to co-ordinate collaborative research, links with CottonInfo, CGAs, Cotton Australia, etc and any additional reporting outside the 6 monthly Progress Reports.

156. Demonstrated track record, technical knowledge and experience of all key personnel in the research area:

The research applicant must describe the project research team's technical skill and experience relevant to the project and methodologies proposed.

157. A demonstrated capacity to effectively communicate project outcomes to diverse stakeholders within the Australian cotton industry:

The research applicant must describe the communication skills and existing communication channels that the research team use to communicate project outcomes to the Australian cotton industry. The new applicants to the cotton industry should provide an example of industry communication from a recent project.

158. Demonstrated ability of the project team to form productive networks and links to build on national and international research already undertaken in related areas:

The research applicant must describe existing networks that the research team use for collaboration with other researchers and an ability to develop new networks as research knowledge increases.

159. The cost effectiveness of this project including cash and in-kind commitments from the applicants and leverage through domestic or international linkages that are useful if not essential to progress the project:

The research applicant should demonstrate market value and market fairness for the proposed budget and comment on the leverage achieved through collaboration and in-kind support.

160. Project demonstrates collaboration between organisations or research groups:

The research applicant must describe the existing or proposed collaboration with other researchers, research groups or committees and the Australian cotton industry.