

## Expression of Interest EOI 2019-20

### Part 1 - General Details

		<b>EOI ID</b>	<b>EOI - 0208</b>
<b>EOI Title:</b> (max 80 char)	Improved management of Reniform nematode		
<b>Type of Research</b>	Applied		
<b>Proposed Start Date:</b>	01 July 2019	<b>Proposed Cease Date:</b>	30 June 2022
<i>Please refer to CRDC's Strategic R&amp;D Plan 2013-2018 for the following.</i>			
<b>CRDC Goal</b>	1. Increase productivity and profitability on cotton farms		
<b>CRDC Key Focus Area</b>	1.3 Protection from biotic threats and environmental stresses		
<b>CRDC Activities</b>	1.3.1 Increased understanding of the impact of pests, diseases and weeds, and environmental stresses		
<i>Please identify the relevant Measure of Success as outlined in the CRDC Strategic R&amp;D Plan.</i>			
<b>CRDC Measure of Success:</b>	Impact information is available to inform improved management practices for growers and industry		
<b>Rural and R&amp;D Priorities</b>	Biosecurity		
<b>Strategic Research Priorities</b>	3a. Optimise food and fibre production using our land and marine resources		
<b>CRDC NSRP</b>	1.3.3 - Food - Enhanced production through enhanced biosecurity.		
<b>R&amp;D Manager:</b>	Susan Maas	<b>EOI Due Date:</b>	12 October 2018

### Part 2 –Expression of Interest Requirements

<b>Issue:</b> The reniform nematode ( <i>Rotylenchulus reniformis</i> ) is a relatively new threat to the cotton industry in Central Queensland and possibly further afield should its current distribution increase. This nematode has the potential to be extremely damaging to the current affected cotton industry areas. In the USA reniform damage can result in as much as 60% yield loss. The reniform nematode has only been identified as causing cotton significant yield loss within the Theodore region, although it is unclear whether recent Emerald detections are associated with reduced performance. The current project is conducting pot trials to look at potential survivorship in other cotton soils and conducting molecular comparison across other Australian and international populations.				
<b>Outcomes:</b> Industry is able to improve management of reniform nematodes.				
<b>Project description:</b> This project will continue to build industry capacity for nematodes and will review and build on work from the US and Australia. Research outcomes will focus on delivering improved capacity to manage nematodes including understanding farming system/management implications for reniform nematode management. Cross commodity collaboration is encouraged.				
<b>Expected Project and Communication Outputs:</b> Management options for Reniform Nematode included in the Cotton Pest Management Guide.				
<b>Project Investment:</b>				
<b>Year</b>	<b>2019-20</b>	<b>2020-21</b>	<b>2021-22</b>	<b>TOTAL</b>
Indicative budget (up to)	\$90,000	\$90,000	\$90,000	\$270,000

### **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.

**1. 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.

**2. 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.

**3. 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.

**4. 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.

**5. 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.

**6. 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.

**7. 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.

**8. 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.

For information on how to apply, please refer to: [www.crdc.com.au/for-researchers](http://www.crdc.com.au/for-researchers)

*Please note that while the Cotton Research and Development Corporation (CRDC) has released these expressions of interest, due to ongoing drought conditions and the potential impact on CRDCs forward budget, the Corporation may not be in a position to fully support all of the proposals advertised. CRDC has released the full range of EOIs in an endeavour to remain as flexible and opportunistic as possible. Where CRDC may not be in a position to fully support proposals received, we will work with our valued research partners to identify alternative investment options.*