

## Expression of Interest EOI 2022-23

### Part 1- General Details

|   |  |                           |            |
|---|--|---------------------------|------------|
| <b>EOI ID</b>   | <b>2223EOI0339</b>   |                           |            |
| <b>EOI Title:</b><br>(max 80 char)  | <b>Regional demonstration of integrated weed tactics across farming systems</b>  |                           |            |
| <b>Type of Research</b>   | Knowledge transfer/application   |                           |            |
| <b>Proposed Start Date:</b>   | 1/07/2022  | <b>Proposed End Date:</b> | 31/12/2024 |
| <i>Please refer to CRDC's Strategic R&amp;D Plan 2018-2023 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 Outcome</b>   | 1.3.2 Improved identification, surveillance and management systems for pests, diseases and weeds, and environmental stresses |                           |            |
| <b>CRDC Performance Indicator</b>   | New management practices and systems are available for growers, consultants and industry                                     |                           |            |
| <b>Rural RD&amp;E Priorities</b>  | Adoption of R&D  |                           |            |
| <b>Science and Research Priorities</b>  | Soil and water   |                           |            |
| <b>R&amp;D Manager</b>  | Elsie Hudson   | <b>FRP Due Date</b>       | 13/10/2021 |

### Part 2 –Expression of Interest Requirements

|   |                |                |                |              |
|---|----------------|----------------|----------------|--------------|
| <p><b>Issue to be addressed and project description:</b><br/>There are many weed tactics and technologies available in Australian Cotton Systems, yet there is an ongoing reliance on glyphosate and ongoing challenges with herbicide resistance and difficult to control weeds. Supporting growers to integrate different tactics and new technologies requires focus on locally relevant weed issues and understanding of the local farming system context.</p> <p>This investment will support grower-led trials to reduce regional weed impacts across the entire farming system and demonstrate integrated weed management for cotton and grains systems. This will include integrating residuals and new technologies to manage emerging regional and herbicide resistant weeds, as well as stop crop injury due to herbicide carryover. Grower led processes should inform the focus of trials.</p> |                |                |                |              |
| <p><b>Expected project outputs and outcomes:</b></p> <ol style="list-style-type: none"> <li>1. This investment will support grower adoption of IWM through regionally focussed trials across at least 4 cotton/grain regions.</li> <li>2. Adoption of IWM will support improved management of weeds and optimising of herbicide usage.</li> </ol> <p>NB Applicants can apply for delivery across multiple cotton and grains regions or a specific region.</p>   |                |                |                |              |
| <b>Project Investment:</b>  |                |                |                |              |
| <b>Year</b>   | <b>2022-23</b> | <b>2023-24</b> | <b>2024-25</b> | <b>TOTAL</b> |
| Indicative budget (up to)   | \$250,000      | \$250,000      | \$200,000      | \$700,000    |

### ***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. The rationale of the project, how it will support CRDC’s Strategic Plan and the potential impacts for the Australian cotton industry and the Australian community.**

This criterion will be assessed on the soundness of the proposal’s understanding of the issues, and the extent to which the project outcomes will address the issues and support CRDC to achieve its measures of success.

**2. Project methodology.**

This criterion will be assessed on the soundness and clarity of the proposed R&D methods to achieve project deliverables and outcomes.

**3. The skills and capacity of the research team to undertake the project.**

This criterion will be assessed on the track record, technical knowledge and experience of all key personnel in the research area and the demonstrated capacity of the nominated researcher/s to provide project coordination, management, monitoring and evaluation for the timely delivery of high quality outputs.

**4. The proposed ‘Pathway to Impact’.**

This criterion will be assessed on the appropriateness of the proposed ‘Pathway to Impact’ and the demonstrated capacity of the project personnel to effectively translate research/project outcomes to on ground actions. Please include the target audience and process for extension/ communication/ commercialisation (as appropriate), as well as any collaboration partners and potential risks. Note that successful FRPs may be requested to develop specific milestones for delivery of project outcomes in collaboration with CottonInfo or CRDC Commercialisation Manager at the outset of the project.

**5. Proposed collaborations for the project and / or the collaborative networks of the project team.**

This criterion will be assessed on the demonstrated ability of the project personnel to form productive networks to build on national and international research already undertaken in related areas.

**6. How this project is cost effective for the Australian cotton industry, including details of the resources being brought to the project.**

(This criterion will be assessed on the cost effectiveness of this project including cash and in-kind commitments from the applicants and leverage through domestic or international linkages. Budget including descriptive text will also be assessed as part of this criterion. Max 2,000 character limit including spaces)

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

This EOI is not a guarantee of funding.