# Results Driven Agriculture Research (RDAR)
## Accelerating Agricultural Innovations

**FULL PROPOSAL - WORKING COPY**

## DO NOT submit this document as an application.

This document is provided for use as a working copy to assist in completing the online form found under the tab "**RDAR Accelerating Agricultural Innovations**" at **https://www.fundingconsortium.gov.ab.ca**.

If you are a new user, you will first have to register for the proposal process before you can access this intake.

**DO NOT submit this document as an application.** Applications will **only** be accepted electronically via the above link.

Letters of Commitment/Support, if available, can be attached in the online application system before submission.

Upon submitting your proposal, you consent for it to be disclosed to RDAR and/or other Alberta based research funders. If you **do not** want your proposal disclosed to other funders outside of RDAR, email **research@rdar.ca**. Your consent is implied otherwise.

## SECTION 1 -      PROJECT APPLICATION – WORKING COPY

### 1.1.    Project Overview

#### 1.1.1   **Project Title**
*Provide a clear, descriptive title for the proposed project. (Do not exceed 150 characters including spaces)*

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#### 1.1.2   **Abstract / Non-confidential Summary**
*The abstract/summary should include a non-confidential overview of your proposed research, hypothesis and should also discuss the overall benefits of the research project to the Agriculture and Agri-food Industry. (Do not exceed 1500 characters including spaces)*

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#### 1.1.3   **Target Industry**
*Indicate the target industry (crop vs livestock) and the species of interest. (Do not exceed 500 characters)*

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#### 1.1.4   **Research Team Leader:**

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#### 1.1.5   **Team Leader's Organization:**

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#### 1.1.6   **Total Project Duration:**

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1.1.7 **Project Start Date:**
*Indicate the start date on which the project is anticipated to begin. MM/DD/YYYY.*

1.1.8 **Project Completion Date:**
*Indicate the end date on which the project expenses are anticipated to be completed. MM/DD/YYYY.*

**1.2.    Stand-alone Project or Part of Larger Program**
*If your proposal is part of a larger program, please indicate how it fits and who the other collaborators are. If available, please list the Project Title and Principal Investigator. If you have applied to other funding agencies and this project is part of a larger funded program/application please clarify. (Do not exceed 1500 characters including spaces)*
☐ Stand-alone project    ☐ Part of a larger program

## SECTION 2 -    PROJECT DETAILS

### 2.1.    Project Background

*Describe the project background and include the related scientific and development work that has been completed to date by your team and or/others.*
*(Do not exceed 3200 characters including spaces)*

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### 2.2.    Objectives

### 2.2.1    Clearly describe the project objective(s) and the expected deliverables
*(Do not exceed 3200 characters including spaces)*

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### 2.2.2    Anticipated Outcomes

*Identify the expected outcomes. Please specify any new partnership established and whether your project will result in new knowledge, a new technology, or improvement of management practices. Identify the anticipated performance measures. (Do not exceed 1500 characters including spaces)*

**Performance Measures**
  A)  Number of training/knowledge transfer events by event type
  B)  Number of participants at training/knowledge transfer events
  C)  Number of knowledge transfer products developed (i.e. brochure, factsheets, flyers, guides, articles in trade magazines, technical bulletins, and social media items)
  D)  Number of new technologies (products, practices, processes and systems) that are:
      a.  Developed;
      b.  Assessed;
      c.  Demonstrated; and
      d.  Utilized.

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### 2.3.    Novelty and Uniqueness

*Describe how this project will contribute to NEW and INNOVATIVE information to support the targeted industries.*

*Describe what makes this project unique, and different from other projects in the same area. Justify the choice of the methodology and project design proposed. (Do not exceed 1500 characters including spaces)*

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### 2.4.    Project Design, Methodology and Experimental Approach

*Provide details of the research methodology, in terms of the experimental approach, treatments, data collection and data analysis including statistical analysis and interpretation of results. Provide sufficient detail to enable funders and reviewers to evaluate the scientific merit, experimental, and statistical validity of the proposed project. Provide references to relevant literature where necessary.*

*(Do not exceed 9600 characters including spaces)*

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### 2.5.    Anticipated Benefits

*Describe and quantify, where possible, the economic, environmental and social benefits that can be anticipated from the project if funding is obtained. (Do not exceed 3200 characters including spaces)*

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### 2.6.    Knowledge Transfer

*Describe how the project will utilize industry partners/co-funders/end users and other knowledge transfer opportunities to communicate research results and enhance adoption of the new knowledge/innovations. (Do not exceed 3200 characters including spaces)*

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### 2.7. Intellectual Property and Commercialization

*Describe any plans for intellectual property. If applicable, provide details on patenting, licensing, or commercialization plans. (Do not exceed 3200 characters including spaces)*

### 2.8. Team Contributions, Roles, and Responsibilities

*Describe the project team (composition, expertise, leadership) and the role that each team member will play. Describe why this team is best suited to achieve the stated objectives/deliverables and outcomes for the proposed work.*
*Ensure that your team has all the expertise/skills that will be required to achieve the objectives of the project. (Do not exceed 3200 characters including spaces)*

### 2.9. Ability to Complete

*Describe the access that the team has to the required facilities, equipment and resources for this project.*
*Describe the access the team has to the required intellectual property and licences that will be required to complete this work.*
*Indicate the challenges or risks that may affect the successful completion of the project and the mitigation strategies that will be utilized. (Do not exceed 3200 characters including spaces)*

### 2.10. Has your project received the following screening and approval?

|  | Yes | No | N/A |
|---|---|---|---|
| 1. Canadian Environmental Assessment Act |  |  |  |
| 2. Legislation and Regulation Impact |  |  |  |
| 3. Human Ethics Approval |  |  |  |
| 4. Animal Care Approval |  |  |  |

| | | | |
|---|---|---|---|
| 5. Transgenic Crop Permit | | | |
| 6. Other? | | | |

## 2.11. Literature Cited

*Provide complete reference information to all literature cited throughout the proposal. (Do not exceed 3200 characters including spaces)*

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# SECTION 3 - BUDGET

## 3.1. Project Budget

### 3.1.1 Yearly Budget by Source
*You may use the separate Budget Template spreadsheet found at:*
**https://rdar.ca/resources/researchers/**

**NOTE:**
**A)** The *Budget Template* spreadsheet is only to assist applicants to determine the total project costs for each category/year. This information will need to be entered afresh in the online application system.
**B) Please enter only information in the highlighted cells.** The rest of the spreadsheet will auto populate based on the information provided.
**C)** The Industry and Government Sources contributions must match the amounts provided in the budget table.

*The table below is for illustration and is the same as the Budget Template spreadsheet*

| Year 1 | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| Source | Type | Personnel | Travel | Capital Assets | Supplies | Comm./ Dissem. | Overhead | Total/Year |
| RDAR | Cash | | | | | | | |
| Gov't | Cash | | | | | | | |
| Gov't | In-kind | | | | | | | |
| Industry | Cash | | | | | | | |
| Industry | In-kind | | | | | | | |
| **Total Yr.1** | | **$0.00** | **$0.00** | **$0.00** | **$0.00** | **$0.00** | **$0.00** | **$0.00** |
| Year 2 | | | | | | | | |
| Source | Type | Personnel | Travel | Capital Assets | Supplies | Comm./ Dissem. | Overhead | Total/Year |
| RDAR | Cash | | | | | | | |
| Gov't | Cash | | | | | | | |
| Gov't | In-kind | | | | | | | |
| Industry | Cash | | | | | | | |
| Industry | In-kind | | | | | | | |
| **Total Yr.2** | | **$0.00** | **$0.00** | **$0.00** | **$0.00** | **$0.00** | **$0.00** | **$0.00** |
| Year 3 | | | | | | | | |
| Source | Type | Personnel | Travel | Capital Assets | Supplies | Comm./ Dissem. | Overhead | Total/Year |

*February, 2021*

| Source | Type | Personnel | Travel | Capital Assets | Supplies | Comm./ Dissem. | Overhead | Total/Year |
|---|---|---|---|---|---|---|---|---|
| *RDAR* | *Cash* | | | | | | | |
| *Gov't* | *Cash* | | | | | | | |
| *Gov't* | *In-kind* | | | | | | | |
| *Industry* | *Cash* | | | | | | | |
| *Industry* | *In-kind* | | | | | | | |
| **Total Yr.3** | | *$0.00* | *$0.00* | *$0.00* | *$0.00* | *$0.00* | *$0.00* | *$0.00* |
| **Year 4** | | | | | | | | |
| *Source* | *Type* | *Personnel* | *Travel* | *Capital Assets* | *Supplies* | *Comm./ Dissem.* | *Overhead* | *Total/Year* |
| *RDAR* | *Cash* | | | | | | | |
| *Gov't* | *Cash* | | | | | | | |
| *Gov't* | *In-kind* | | | | | | | |
| *Industry* | *Cash* | | | | | | | |
| *Industry* | *In-kind* | | | | | | | |
| **Total Yr.4** | | *$0.00* | *$0.00* | *$0.00* | *$0.00* | *$0.00* | *$0.00* | *$0.00* |
| **Year 5** | | | | | | | | |
| *Source* | *Type* | *Personnel* | *Travel* | *Capital Assets* | *Supplies* | *Comm./ Dissem.* | *Overhead* | *Total/Year* |
| *RDAR* | *Cash* | | | | | | | |
| *Gov't* | *Cash* | | | | | | | |
| *Gov't* | *In-kind* | | | | | | | |
| *Industry* | *Cash* | | | | | | | |
| *Industry* | *In-kind* | | | | | | | |
| **Total Yr.5** | | *$0.00* | *$0.00* | *$0.00* | *$0.00* | *$0.00* | *$0.00* | *$0.00* |

## 3.2. Sources of Industry and Government Cash

### 3.2.1 Industry Sources

*February, 2021*

| Name (no abbreviations) | Amount Cash | Amount In-Kind | Confirmed (Y/N) |
|---|---|---|---|
| 1. | | | |
| 2. | | | |
| 3. | | | |
| 4. | | | |
| 5. | | | |

### 3.2.2 Government Sources

*Government sources include any federal or provincial government funding as well as university contributions.*

| Name (no abbreviations) | Amount Cash | Amount In-Kind | Confirmed (Y/N) |
|---|---|---|---|
| 1. | | | |
| 2. | | | |
| 3. | | | |
| 4. | | | |
| 5. | | | |

## 3.3. Budget Commentary

*Provide a detailed description of the project budget and be sure to provide specifics regarding supplies, personnel, travel, equipment, etc. Indicate confirmed funding from other sources and the project expenses that funding will cover. (Do not exceed 3200 characters including spaces)*

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# SECTION 4 -    RESEARCH AND DEVELOPMENT TEAM

## 4.1.    Research Team Member(s)

*List all researchers involved in this project and the organizations they represent.*

| Team Member Name | Organization |
|---|---|
|  |  |
|  |  |
|  |  |

## DOCUMENT ATTACHMENTS

*Attach any supporting documents such as letters of support or information related to this project. Formats accepted are xls, xlsx, pdf, doc and docx. Maximum size of each attachment is 5120 KB.*

***Suggested (but not required) attachments include:***

*1. Gantt Chart*

*2. Experimental Approach (additional information to support methodology)*

*3. Visual Experimental Design*

*4. Institutional Approval forms where available (examples; ethic, animal care approval)*

*5. Curriculum Vitas of Principal Investigator and Project Team Members*

*6. A pdf copy of the signature(s) can be attached in this section **or** emailed to **research@rdar.ca**. Only the applicant and their organizations' signatures will be required at the time of submission of full proposal. Those of team members and their respective organizations can follow.*

*7. Publications and patents, other evidence of productivity.*

*8. Letters of support/commitment - At the time of submission of the full proposal, you may provide written support for any industry, government, or other funding.*

Proposals, including any supplementary documentation, must be submitted through the on-line proposal system at www.fundingconsortium.gov.ab.ca. Signatures can be scanned and emailed to **research@rdar.ca**.

Only the Principal Investigator and their organizations' signatures will be required at the time of submission of full proposal. Additional team members and their respective organizations can follow.

***Please carefully review for accuracy and completeness and then submit your proposal.***

## Research Funding On-line Application System (RFOAS) - FAQ for Applicants
**https://www.fundingconsortium.gov.ab.ca**

### 1. Setting up and Logging into Your Account

- I am a new user; how do I sign up for an account?
  - ➢ To sign up for an account go to **https://www.fundingconsortium.gov.ab.ca**. Under **"New Users"** enter your information then click "REGISTER".
- How can I delete my account?
  - ➢ If you would like to delete your account, please email info@fundingconsortium.ca and we will delete it for you.
- I have an account but forgot my password, how do I find it?
  - ➢ Click on "Forgot your password?" enter your email address and a password will be emailed to you.

### 2. Creating Your Proposal / Editing Your Proposal

- To create a NEW proposal (i.e. letter of intent or full proposal), select one of the current initiatives listed below.
- The logo of the lead Funding Agency is in front of the initiative name.
- To access a CURRENT proposal, that requires further work or editing, click on the tab 'My Proposals' above.
- To access a letter-of-intent that has been accepted and a full proposal submission has been requested, click on the tab 'My Proposals'.
- Click on the (?) near the title to see additional information and a further description of each section of the application.

### 3. Saving Your Work

There are three ways to save the data while filling out the proposal:

- Navigate through the footer links (click to the next or previous page of proposal)
- Navigate through the left links (proposal contents)
- Click on the 'Quick Save' link at the top of the page
- If you log off or close the webpage without performing one of these three actions, the information typed into the page will NOT be saved.
- Because this is a web-based application, it is strongly recommended that you save your work often. A web-based application will TIME-OUT after a few minutes of inactivity. If this happens you will be prompted to log back into the application, and any unsaved work will be lost.

*February, 2021*

**4. Completing the Proposal**

- Please keep your answers for each section brief and to the point. There is a box at the bottom of each section that counts the number of characters that you have entered. It is the applicant's responsibility to keep answers within the recommended number of characters for each section.

- If you use the MS Word template available to copy-and-paste your proposal text to the online form, please avoid using symbols and text formatting (bold, italics, etc.) as these will not carry over reliably into the online application and may, in fact, interfere with the system.

- Character count if cutting and pasting from another document.
  - Many of the sections are limited for length of text.
  - Go to the end of the pasted text, add a space and then the document counter will count the characters.
  - The online system will provide you with the character count. If you are cutting and pasting from a word document onto the form, you must also manually type a character for the on-line counter to work.
  - To view the number of characters in a paragraph in MS Word 2007 and 2010 click Review > Word Count.
  - Generally, 3800 characters including spaces is equivalent to 1 page.
  - The on-line system will reformat scientific nomenclature which uses subscripts, superscripts, bold and italic formats to regular text.

**5. Submitting the Proposal**

- When the proposal is complete, click the "Submit" button on the final page to submit the proposal.

- Once your proposal has been submitted, you will receive an automated email reply to confirm that your proposal has been successfully submitted. Please also check your spam/junk email folder for this message.

- If you do not receive an automated message acknowledging submission of your proposal, please email **research@rdar.ca**.

**6. Important Information**

- This web-based application is NOT intended for online collaboration. It is recommended, that during proposal development you collaborate using other methods and then cut-and-paste the final text into the online application.

- The **"Help"** link provides the detailed information under each section.