

**Cotton Research and Development Corporation  
Rural R&D for Profit Project**

More profit from nitrogen: enhancing  
the nutrient use efficiency of intensive  
cropping and pasture systems.

Project Number: RnD4Profit-15-02-021

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***Mid-Term Evaluation  
Consultancy  
Terms of Reference (ToR)***

March 2018

(Closing date: 5pm Friday 6<sup>th</sup> April 2018)



**Australian Government**  
**Department of Agriculture  
and Water Resources**



**Australian Government**  
**Cotton Research and  
Development Corporation**

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## 1. Background

The *More Profit from Nitrogen: Enhancing the Nutrient Use Efficiency of Intensive Cropping and Pasture Systems Project* (MPfN Program) is a cross-sectoral collaboration lead by the Cotton Research and Development Corporation (CRDC) and funded through the Australian Government Department of Agriculture and Water Resources (DAWR) Rural Research and Development for Profit grant programme. It is a partnership with Australia's four major intensive users of nitrogenous fertilisers: cotton, dairy, sugar and horticulture. The program partners are CRDC, Dairy Australia (DA), Sugar Research Australia Ltd (SRA), Hort Innovation Australia Ltd (HIA), NSW Department of Primary Industries, NT Department of Primary Industry and Resources, Qld University of Technology, University of Melbourne, University of Tasmania, University of Queensland, Queensland's Department of Agriculture and Fisheries and Department of Science, Information Technology and Innovation. It aims to bring about increased farm profitability and reduced environmental impact by increasing nitrogen use efficiency (NUE) across the four industry sectors, measured by reductions in the amount of applied N required to produce each unit of product.

Ten research projects are being conducted under the umbrella of the MPfN Program via field, laboratory and modelling based studies led by the following research organisations (refer Attachment 2 Table 2):

- NSW Department of Primary Industries (NSW DPI) x2 projects- Sugar & Cotton
- University of Southern Queensland – National Centre for Engineering in Agriculture (USQ)- Cotton
- Queensland University of Technology (QUT)- Dairy
- University of Melbourne (UoM) x2 projects- Dairy
- Queensland Government- Department of Environment & Science (DES)- Sugar
- Queensland Government- Department of Agriculture and Fisheries (QDAF)- Sugar
- Northern Territory Government- Department of Primary Industry and Resources (NTDPIR)- Mangoes
- University of Tasmania- Tasmanian Institute of Agriculture (TIA)- Cherries

More information on these project can be found [Here](#) on the Program's website or [Here](#) directly from the 2018 MPfN Program Booklet.

The MPfN Program is divided into three key areas of research activity, each with its own assigned objective:

1. To generate greater knowledge and understanding of the interplay of soil, weather, climatic and farm management factors to optimise nitrogen (N) formulation, rate and timing across industries, farming regions and irrigated/ non-irrigated situations (Activity B5- Optimising NUE in irrigated systems);
2. To generate greater knowledge and understanding of the contribution (quantifying rate and timing) of mineralisation to a crop or pasture's nitrogen budget (Activity B6- Better understanding N supply through mineralisation); and
3. Developing more efficient fertilisers better able to match a crop's specific nitrogen requirements, and developing a better understanding of how enhanced efficiency fertiliser (EEF) formulations can better match a crop or pasture's specific N requirements (Activity B4- Extracting value from enhanced efficiency fertilisers).

Research projects are delivering outputs under one, two or all three of these activities.

The MPfN Program is also delivering communication and extension activities aligned with key Rural R&D for Profit objectives:

1. To strengthen pathways to extend the results of the research to target audiences, including understanding potential barriers to adoption; and
2. To establish and foster industry and research collaborations on NUE to aid further innovation for Australian agriculture.

The MPfN Program was originally four years in duration, commencing July 2016 until June 2020. However, delays in contracting and sub-contracting impacted upon the research activities of some projects, and as such a twelve month extension was recently granted by the DAWR for a final reporting date of September 30 2021.

As a cross-sectoral, collaborative program, MPfN involves over thirty organisations who are contributing both cash and in-kind support as sector partners, research partners and project collaborators. The research and extension activities are geographically spread across thirty-five research sites, with a further two to commence in 2019, from Darwin in the north to Hobart in the south. Click [Here](#) for a map of the research sites.

Strategic direction is provided by the Program Management Committee (PMC) comprised of representatives from the sector and lead research organisations. Attachment 2, Table 1 outlines the role of each stakeholder involved in the Program.

The MPfN Monitoring and Evaluation Plan (April 2017) outlines the framework and work plan which has been implemented to appropriately monitor, report and evaluate progressive and final outcomes of the MPfN Program by the Science Coordinator, Project Manager (CRDC) and the PMC.

The ten research partners are required to provide six-monthly reports to CRDC on both Milestones within their CRDC Full Research Proposals (FRPs) and DAWR Key Performance Indicators (KPI). The Science Coordinator is responsible for establishing and overseeing reporting processes to meet the requirements of CRDC, the three RDC partners and the DAWR. A single reporting template is used to satisfy obligatory requirements of all parties for the specified reporting period.

In order to manage the reporting timeframes required by DAWR, CRDC established a reporting framework with the partners. Refer Attachment 2, Table 3.

## **2. Purpose of Tender**

The mid-term evaluation for the MPfN Program will be conducted internally by the Science Coordinator with assistance from Tenderer to perform the qualitative tasks of the mid-term evaluation and to draft the qualitative sections of the evaluation report.

## **3. Scope of the Evaluation**

The mid-term evaluation for the MPfN Program is aimed at assessing the extent to which greater understanding and knowledge has/will be generated amongst the identified internal and external program stakeholders and the extent to which greater/improved NUE has/will be achieved through delivery of the Intermediate (Program) Outcomes, Project Activities and Project Materials. The MPfN M&E Plan (April 2017) specified Performance Indicators within the Program Logic Framework (Section 2.4) for each of these evaluation levels. These indicators were established for project-end

evaluation purposes and must be considered during the design of the mid-term evaluation to ascertain whether these remain achievable by June 2021. Please refer to Appendix 1.

The evaluation consists of two components:

1. **Qualitative Evaluation (in scope):**

- Conduct an independent qualitative assessment to gauge “effectiveness”, “extent” and “increased knowledge and understanding”.
- Formulate improvement recommendations
- Draft the qualitative sections of the evaluation report.

2. **Quantitative Evaluation (out of scope):**

Quantitative evaluation of whole-of-program activities and deliverables against the MPfN Project Management Plan (achievement of milestones, outputs, KPI within timeframes), MPfN Communication and Extension Plan (activities planned, prepared and delivered) and MPfN Baseline Data-set (in progress) will be undertaken separately by the Science Coordinator.

The evaluation will examine the first two years of the program (2016/17 & 2018/19). A targeted approach is proposed, where the MPfN Program is evaluated for how well it is meeting the program objectives and for efficiency and effectiveness of activity implementation.

The Evaluation processes will require collaboration and open dialogue between the Tenderer and the Science Coordinator and will inform the Mid-Term Final Evaluation Report to be collated by the Science Coordinator.

## **Mid-term Qualitative Evaluation Methodology**

The following are the key evaluation questions (KEQ) to be addressed by the external evaluation consultancy: **(in scope)**

1. To what extent are the activities of the Program to date contributing to increased understanding and knowledge of the factors which influence NUE across the four industries and (both at a research and service provider/ producer level)?
2. To what extent are the activities of the Program to date contributing to increased understanding and knowledge of potential NUE strategies/ technologies across the four industries and (both at a research and service provider/ producer level)?
3. To what extent are key stakeholders confident that the activities MPfN Program will result in proven profitability and reduced environmental impact gains for primary producers of the four industries?
4. What evidence is there (anecdotal & data derived), at this point in time of the MPfN Program, that the research activities will effectively demonstrate industry opportunities for greater production and profit through increased NUE by project end (June 2021)?
5. To what extent are key stakeholders confident that the MPfN Program planning, monitoring and reporting instruments are assisting to effectively deliver upon the research, communication and extension objectives of the program?
6. What, if any, unintended outcomes (positive or negative) are resulting from the MPfN Program (whole-of-program, research and service provider/ producer levels)?
7. What changes in implementation/processes would improve Program effectiveness and/or impact?

8. What changes should be implemented to improve the ability to assess Program effectiveness and/ or impact?

The evaluation will require survey/telephone interview of a selection (approximately 15- 20) of representatives from stakeholder groups across the ten sub-projects and industry organisations to address:

1. Productivity and profitability:

Qualitative assessment of potential increased knowledge and understanding of new NUE technologies and BMPs generated through the program.

Qualitative assessment of expected benefits for primary producers in the context of:

- The impact of research findings to date; and
- The extent to which the program has potential to increase productivity and/or profitability of primary producer through increased NUE.

2. Efficiency and effectiveness:

Qualitative assessment of the role of identified Program activities and outcomes in strengthening the pathway for extension and adoption of new/ adapted industry NUE BMPs, guidelines and technologies by end users.

Qualitative assessment of the role of Program coordination, communication, monitoring and reporting activities in successfully providing a supportive framework for research and extension activity to deliver upon the objectives.

3. Collaboration:

Qualitative analysis of how Program facilitated collaboration and information exchange opportunities are valued/ not valued by the project partners and whether they have resulted in increased collaboration between research teams/ industry, changes to research methodology or stimulated ideas for future innovations.

4. Extension and adoption:

Qualitative assessment of the success of field trials and field days to date in engaging and providing local relevance to producers and service providers, resulting greater NUE understanding.

Qualitative assessment of the Program's potential to successfully strengthen the adoption of the results of NUE research and development (including associations with existing industry programs) and better understand any barriers to adoption.

## 4. Confidentiality, Conflict of Interest and Privacy

The successful tenderer will be required to sign a confidentiality agreement with CRDC and must keep confidential all information, documents, data and software that is provided by CRDC or its research partners or collected by the consultant for the purpose of undertaking the evaluation activities.

All data collected will be owned by CRDC and a copy must be provided to CRDC. After completion of the consultancy the consultant must delete all survey data and in particular all personal information collected. The consultant must comply with the Australian Privacy Principles under the Privacy Act 1988.

Each tender will be required to include any actual or perceivable conflict of interest that exists at the time of lodging the tender. If the tender is successful, you will be required to advise CRDC in writing of any changes in conflicts of interest at the time of contracting the services with CRDC or at any time during the term of this agreement when a conflict occurs. The CRDC Annual Report lists our stakeholders, directors, staff and research partners and may be helpful in determining if you have a conflict of interest. The CRDC Annual Report is available on our website at <http://www.crdc.com.au/about-Us> under the Corporate Publications page.

## 5. Timeframe

The evaluation is expected to begin in June 2018, with the written report to be completed by 30 September 2018.

Milestone	Deliverable	Due date
Milestone 1	Start-up meeting (teleconference) with Science Coordinator and CRDC R&D Manager	1 June 2018
Milestone 2	Detailed evaluation project plan to CRDC for approval including: <ol style="list-style-type: none"> <li>Methodology;</li> <li>identify stakeholders to be consulted;</li> <li>survey/interview questions &amp; guide. Privacy statement for the surveys to note CRDC as the owner of the data, why the data is being collected, and what purpose(s) it will be used.</li> </ol>	18 June 2018
Milestone 3	Complete interview / survey process	11 August 2018
Milestone 4	Draft sections of the final report and summary including initial analysis and proposed recommendations. Webinar with Science Coordinator and CRDC R&D Manager to review.	3 September 2018
Milestone 5	Final sections of the report and summary approved by CRDC & Science Coordinator. Survey data provided to CRDC.	15 September 2018

The report must address the Performance Indicators outlined in the MPfN M&E Plan:

- What knowledge and understanding gains have been made at this point?
- What have been the enabling activities to stimulate greater knowledge and understanding?
- Are there signs that greater knowledge and understanding will lead to adoption of future recommendations?
- What are the current indications that there are profitability and production gains to be made from increased NUE?

The draft and final report must include:

- Executive summary of findings
- A report on identified stakeholders and consultation activities undertaken
- Evaluation findings presented to address key evaluation questions
  - Analysis on program effectiveness and progress presented as discussion and figures
  - Interviewee quotes (Anonymously reported)
  - Potential improvements
- Recommendations for years 3-5 to ensure alignment with Program objectives and performance indicators.

## 6. Consultation

A number of stakeholders will be consulted during the evaluation, including RDCs, research partners, industry groups and end users of research, to be determined in consultation with the Science Coordinator and specified in the project plan.

It is expected that the consultant will interact regularly with the MPfN Science Coordinator and seek clarification/ confirmation whenever required.

## 7. Expressions of Interest (EOI)

Expressions of interest are now sought by suitably qualified and experienced evaluation consultants to undertake this body of work.

### Selection Criteria

Criteria	Weighting (%)
1. A sound understanding of the nature and importance of NUE to the Australian cotton, sugar, dairy and horticulture industries	20%
2. Soundness and clarity of the proposed methods to seek answers on the KEQ and prepare the report in accordance with the specified deliverables <ul style="list-style-type: none"><li>○ The research applicant must describe how the research methodology employed will enable the project outcomes to be delivered. Different options may be presented. Staged milestones/outputs should be clear.</li></ul>	40%
3. Demonstrated capacity of the nominated team to provide project implementation for the timely delivery of high quality outputs: <ul style="list-style-type: none"><li>○ The applicant must describe the research team's project skills and experience and may include a recent example of a completed project (s).</li></ul>	20%
4. The cost effectiveness of this project <ul style="list-style-type: none"><li>○ The research applicant should demonstrate market value and market fairness for the proposed budget. The budget should be detailed enough to understand components of work and milestones. Three to four Milestones would be sufficient. The budget should be (Ex GST).</li></ul>	20%

### Further Information

Marguerite White, More Profit from Nitrogen Science Coordinator for CRDC, 0447 500 415 or [mwhite@icdprojectservices.com.au](mailto:mwhite@icdprojectservices.com.au) .

### Submissions

All EOI must be received by 5pm, Friday 6<sup>th</sup> April via email to [grants@crdc.com.au](mailto:grants@crdc.com.au) .

# Attachment 1

## MPfN M&E Plan Performance Indicators as relevant to the mid-term evaluation

<p><b>Intermediate Outcomes</b>  <i>Achievable within the life of the project- What will result from the project activities?</i></p>
<p><b>Activity B4- A greater knowledge and understanding of how enhanced efficiency fertiliser (EEF) formulations can better match a crop or pasture’s specific N requirements.</b></p>
<p><b>Extent to which</b> there is greater knowledge/ understanding of EEF products/ blends which result in increased NUE under a range of soil, climatic and system conditions across the four sectors.</p>
<p><b>Extent to which</b> knowledge/ understanding of the profitability and production benefits of EEF product/ blend use <b>has been determined and extended</b> across the four sectors.</p>
<p><b>Extent to which</b> research <b>has demonstrated</b> increased knowledge/ understanding of how EEF use can reduce N loss from the farm system without impact to product yield or quality.</p>
<p><b>Extent to which</b> the potential for new EEF formulations and combinations of existing EEFs to better match nitrogen crop demand <b>has been determined.</b></p>
<p><b>Extent to which</b> the research demonstrates future potential for new EEF technology to reduce N loss from the farm system through simulation and modelling techniques.</p>
<p><b>Activity B5- A greater knowledge and understanding of the interplay of factors to optimise nitrogen (N) formulation, rate and timing across industries, farming regions and irrigated/ non-irrigated situations</b></p>
<p><b>Extent to which</b> knowledge/ understanding of total losses of N from certain farming systems has increased.</p>
<p><b>Extent to which</b> significant N loss pathways are understood and have resulted in targeted recommendations for improved management of NUE on irrigated farms.</p>
<p><b>Extent to which</b> profitability and production outcome knowledge/ understanding has increased on adopting identified practice modifications in N and irrigation management across the four sectors.</p>
<p><b>Extent to which</b> research has resulted in changed BMP recommendations or the preparation of new guidelines/ benchmarks for industry.</p>
<p><b>Extent to which</b> likely impacts upon profitability, production and the environment are understood and have been demonstrated to industry through research outputs.</p>
<p><b>Activity B6- A greater knowledge and understanding of the contribution (quantifying rate and timing) of mineralisation to a crop or pasture’s nitrogen budget</b></p>
<p><b>Extent to which</b> the effectiveness of MIR/NIR has been explored against other methods to predict soil mineralisable N.</p>
<p><b>Extent to which</b> developed tools/ resources provide increased knowledge/ understanding for producers (and services providers) to make more informed decisions in source, rate, timing and placement of N fertiliser.</p>
<p><b>Program Activities</b>  <i>Research and stakeholder engagement outputs- What will the project deliver?</i></p>
<p><b>Extent to which</b> the six research projects of <b>Activity B4</b> deliver upon contracted Outputs: Sugar 4(a) to 4 (h), Horticulture 4 (i) to 4 (l) &amp; Dairy 4 (m).</p>
<p><b>Extent to which</b> the seven research projects of <b>Activity B5</b> deliver upon contracted Outputs: Cotton 5(a) to 5 (b), Horticulture 5 (c) to 5 (f) &amp; Dairy 5 (g) to 5 (k).</p>
<p><b>Extent to which</b> the seven research projects of <b>Activity B6</b> deliver upon contracted Outputs: Cotton 6(a) to 6 (b), Horticulture 6 (c) to 6 (d), Sugar 6 (e) to 6 (h) &amp; Dairy 6 (i) to 6 (m).</p>
<p><b>Extent to which</b> field trials provide a certain level of relevance to local producers and service providers resulting in ongoing engagement during project duration and generation of greater NUE understanding.</p>
<p><b>Extent to which</b> producers and service providers are increasing their <b>knowledge</b> on N dynamics under varying climatic/ management conditions and <b>understand</b> what this means to their farm business.</p>
<p><b>Evidence</b> that opportunities are provided for planned cross sector collaboration on methodology approaches, shared information on progressive and final findings as well as key learnings. These opportunities are <b>resulting in greater knowledge and understanding</b> amongst the 22 research partners/ collaborators.</p>
<p><b>Documented</b> outcomes of both formal and informal collaborations taken place between research partners, project collaborators and further external stakeholders as a result of MPfN Program activities.</p>
<p><b>The details of partner forums</b> (location, topics, process), extent of representation of targeted stakeholders, stakeholder reactions, input received and actions taken as a result.</p>

<p><b>Mid-term evaluation report</b></p> <p><b>Evidence that</b> the MPfN Program is progressing towards greater knowledge and understanding in relation to the three Intermediate Outcomes:</p> <ul style="list-style-type: none"> <li>• What knowledge and understanding gains have been made at this point?</li> <li>• What have been the enabling activities to stimulate greater knowledge and understanding?</li> <li>• Are there signs that greater knowledge and understanding will lead to adoption of future recommendations?</li> <li>• What are the current indications that there are profitability and production gains to be made from increased NUE?</li> </ul>
<p><b>Deliver Outputs of Activity B3:</b></p> <p><b>Extent to which</b> the Science Coordinator appropriately organises research/ sector partner communication activities and delivers upon the requirements of the actions and schedule of Section 9 “Program Implementation Plan” of the CEP.</p> <p><b>Extent to which</b> planned communications have been undertaken; extent of reach to targeted stakeholders; level of awareness and interest in contents; actions taken as a result of communication activities including access and use of resource and engagement in project activities.</p>
<p><b>Program Materials (Products)</b></p> <p><i>Research and stakeholder adoption- What will the project produce?</i></p>
<p><b>Effectiveness</b> of specific fertiliser formulations/ smart blends in reducing losses and maintaining or increasing production under particular field conditions.</p>
<p><b>Cost effectiveness</b> of EEFs under a range of management scenarios determined and <b>extent to which</b> findings are extended to producer programs/groups through resource materials &amp; activities.</p>
<p><b>Extent of change</b> in confidence of advisors and producers to attend demonstration activities and likelihood of using developed NUE DSS when making N fertiliser decisions.</p>
<p><b>Extent to which</b> advisors and producers attend input/ feedback activities and access resultant extension materials from websites.</p>
<p><b>Evidence</b> that benchmarks/ guidelines have been determined and are underpinned by research findings.</p>
<p><b>Adoption</b> of NUE recommendations by industry BMP Programs- Fert\$mart (dairy), Six Easy Steps (6ES) (Sugar) and CottonInfo (Cotton) resources.</p>
<p><b>Number</b> of peer reviewed research reports prepared as a result of the MPfN Program.</p>
<p><b>Number</b> of articles peer reviewed and published in science journals.</p>
<p><b>Initiation Activities (Project Management &amp; Planning)</b></p> <p><i>Underpinning structures and process to guide and support activities and outputs- What will be managed and how?</i></p>
<p><b>Representation and conduct of PMC:</b> meetings held and topics and decisions made; reaction by participants to meetings and evidence of influence and actions taken by members as a result of participation.</p>
<p><b>Effectiveness</b> of Program Management Plan as the primary tool for implementing the Program and execution of timely activities to deliver Outputs in accordance with the Commonwealth Grant Agreement.</p>
<p><b>Effectiveness</b> of PMP to monitor research partner progress and achieve KPIs within milestone dates.</p>
<p><b>Effectiveness</b> of CEP as the primary tool for executing Program communications and extension activities in accordance with conditions outlined in the Commonwealth Grant Agreement.</p>
<p><b>Effectiveness</b> of CEP in engaging key stakeholders in the Program’s activities to increase adoption of NUE best practices.</p>
<p><b>Effectiveness</b> of the MEP in assisting the Program to monitor research partner KPI and Output obligations.</p>
<p><b>Effectiveness</b> of the MEP as a tool of the PMC in assessing progress towards final Program outcomes throughout project implementation.</p>
<p><b>The details of the M&amp;E Data-base</b> (content, user-friendliness), access, downloads and other use statistics; feedback from users in usefulness and actions taken as a result of information gained.</p>

## Attachment 2

### Additional Program Information

**Table 1 Roles of key stakeholders involved in activities of the MPfN Program**

Organisation	Program Role
Department of Agriculture & Water Resources	Funding provider via Commonwealth Grant Agreement
MPfN Science Coordinator	Project Coordination & Monitoring
Cotton Research and Development Corporation	Manager/Program Sector Partner
Dairy Australia	Program Sector Partner
Sugar Research Australia	Program Sector Partner
Hort Innovation Australia	Program Sector Partner
NSW DPI	Research Partner (x2)
University of Southern Queensland- National Centre for Engineering in Agriculture	Research Partner
Queensland University of Technology	Research Partner/ Project Collaborator
University of Melbourne	Research Partner (x2)/ Project Collaborator
QLD Government- Department Environment & Science	Research Partner / Project Collaborator
QLD Government- Department of Agriculture and Fisheries	Research Partner
Northern Territory Department of Primary Industry and Resources	Research Partner
Tasmanian Institute of Agriculture (UTAS)	Research Partner/ Project Collaborator
CSIRO	Project Collaborator (x2)
University of Queensland	Project Collaborator
Southern Cross University	Project Collaborator
Technical, Reporting, Analysis & Project Services (TRAP)	Project Collaborator
Agresearch (NZ)	Project Collaborator
Cherry Growers of Australia	Project Collaborator
Australian Mango Industry Assoc.	Project Collaborator
Herbert Cane Productivity Services	Project Collaborator
Farmacist	Project Collaborator
Sunshine Sugar Agricultural Services	Project Collaborator
Industry Extension Programs (ie. CottonInfo)	Industry extension & resources
Private Farm Consultants	Industry extension, input, feedback & adopters
Commercial Farm Advisors	Industry extension, input, feedback & adopters
Farmer Groups/ farmers	Industry input, feedback & adopters

**Table 2 Research project end dates**

CRDC Agreement Code	Project Title	Organisation	Final Reporting Date to CRDC
RRDP1712	More profit from nitrogen - enhancing nutrient use efficiency in cotton	NSW DPI	30 June 2021
RRDP1713	More Profit from Nitrogen - Optimising nitrogen and water interactions in cotton	USQ	30 June 2018
RRDP1714	More Profit from Nitrogen - Increasing nitrogen use efficiency in dairy pastures	QUT	30 November 2019
RRDP1715	More Profit from Nitrogen - Improving dairy farm nitrogen efficiency using advanced technologies	UoM	30 November 2019

<b>RRDP1716</b>	More Profit from Nitrogen - Quantifying the whole farm systems impact of nitrogen best practice on dairy farms	UoM	30 April 2020
<b>RRDP1717</b>	More Profit from Nitrogen - Improved nitrogen use efficiency through accounting for deep soil and mineralisable N supply, and deployment of Enhanced Efficiency Fertilisers to better match crop N demand	NSW DPI	31 May 2020
<b>RRDP1718</b>	More Profit from Nitrogen - Smart blending of enhanced efficiency fertilisers to maximise sugarcane profitability	QDES	30 April 2020
<b>RRDP1719</b>	More Profit from Nitrogen - New technologies and managements: transforming nitrogen use efficiency in cane production.	QDAF	30 June 2021
<b>RRDP1720</b>	More Profit from Nitrogen - Optimising nutrient management for improved productivity and fruit quality in mangoes	NTDPIR	30 June 2021
<b>RRDP1721</b>	More Profit from Nitrogen - Optimising nutrient management for improved productivity and fruit quality in cherries	TIA	30 June 2021

**Table 3**      **Key reporting dates**

Milestone	Partner Reporting Schedule to CRDC	CRDC Reporting Schedule to DAWR
1	None Required	30/11/2016
2	31/05/2017	03/07/2017
3	30/11/2017	01/02/2018
4	31/05/2018	13/08/2018
5	30/11/2018	04/02/2019
6	31/05/2019	15/07/2019
7	30/11/2019	24/01/2020
8	31/05/2020	30/06/2020
9	30/11/2020	05/02/2021
10	30/06/2021	30/09/2021