

COGGO

Council of Grain Grower Organisations Limited
ACN 091 122 039

Final Report

COGGO Research Fund for 2016 projects

A project completion report covering the project. The acceptance of a satisfactory report against the objectives of the project, and agreement on the sharing of any commercial returns and/or IP will trigger payment within 4 weeks, by COGGO for any outstanding payments.

This Final Report should be completed with reference to the Research and Intellectual Property Agreement (the Research Agreement) signed between the proponent and COGGO Pty Ltd.

1. Project information

Project title	Lime-laying trials for the future
Commencement Date	1 January 2016
Completion Date	1 January 2017

Name of Proponent	SOUTH EAST PREMIUM WHEAT GROWERS' ASSOCIATION
ACN/Legal Name or ABN	79 262 796 876
Mailing Address	P.O. BOX 365, Esperance, Western Australia 6450

Administrative Contact	Niki Curtis
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Project Supervisor/Principal Researcher	Alice Butler
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COGGO Use Only

Project Number	
Date Received	

2. Project results	This section provides a final report against the Project Aim and the Planned Outputs for the Project.
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Achievement of the Project Aim	Brief statement of achievement in relation to the aim of the project
<p>This project will implement 4 lime trials across the Esperance port zone which can be assessed for results over a number of years going forward. This project seeks only to implement the trials using PA technology and farm scale equipment in the initial year. The ongoing assessment and monitoring of the trials will be via DAFWA and future SEPWA projects.</p> <p>Four lime trials have been laid out prior to seeding in 2016. These trials are located at Hopetoun, Condingup, Cascade and Ravensthorpe.</p> <p>Each trial is composed of three treatment rates of lime; 0, 2 and 4 tonnes to the hectare and replicated three times. This has been spatially captured using the application maps from spreaders. Please find the KMZ files attached which illustrate the location and layout of each of the four trials.</p> <p>Treatment size measures 3 times the header width by 100-200m long and will be analysed using yield data for the next three years. Soil samples were taken prior to liming and soil pH (CaCl₂) results for each site were obtained.</p>	

Project Outputs		Please provide a report on the achievement, or otherwise, of the project outputs as per the planned outputs provided in the Project Proposal.
1	-	<p>Output 1 (from Project proposal)</p> <p>The physical implementation of 4 trial sites at a farm scale in the Esperance region.</p>
		<p>Comment: Four lime trials have been laid out on the following farms:</p> <ul style="list-style-type: none"> • Andy Chambers - Ravensthorpe • Con Murphy (Warakirri Cropping) - Condingup • Paul Foulds - Hopetoun • Greg Curnow - Cascade
2	-	<p>Output 2 (from Project proposal)</p> <p>The trials to be correctly setup and located using PA technology to ensure that trial results are reliable and statistically valid for future reference.</p>
		<p>Comment: Each trial is composed of three treatment rates of lime; 0, 2 and 4 t/ha and replicated three times. This has been spatially captured using the application maps produced by the spreaders. Please find the KMZ files attached which illustrate the location and layout of each of the four trials.</p>
3	-	<p>Output 3 (from Project proposal)</p>

	Allowing already implemented sites to be used in future work by planned DAFWA and local agronomists' R,D and E.
	Comment: The trials are hosted on the SEPWA website to allow access to all interested parties.

Project results	Please provide brief statements on the results of the Project
Trials were successfully implemented at the trial sites outlined in Project Output 1.	

This section should cover aspects identified in *Section 7.3* of the Research Agreement

- the results of the Project, including discoveries made and other achievements (including any Project IP and Project Confidential Information);
- the potential application of the outputs of the Project to the Western Australian grains industry and broader community;
- the actual or potential economic benefits flowing to the Western Australian grains industry and broader community from the Project;
- the difficulties encountered;
- the conclusions reached;
- the Researcher's recommendations for any further research;
- a list of scientific papers or publications resulting from the Project; and
- attach copies of any photos, diagrams or other artworks (including, if requested by COGGO, negatives, bromides or the like) which the Researcher has and which may be of assistance to COGGO in the dissemination of information concerning the Project to COGGO's stakeholders.

3. Project resources	This section describes use of the funding listed in the initial plan and any refunds due to COGGO
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Expenditure of funds requested from COGGO	\$ Total funds budgeted	\$ Total funds expended (actual)	\$ Total funds requested from COGGO*	\$ Total COGGO funds expended	\$ Refund due to COGGO of any unexpended COGGO funds
Salary/Contractors	\$9071				
Operating costs	\$3675				
Capital					
TOTAL	\$12746				

*Funding provided by COGGO.

IMPORTANT: Return of unused funds to COGGO is required as per *Clause 3.3* of the Research Agreement.

4. Commercialisation	<p>Insert details of the proposed commercialisation process, as applicable, with reference back to the planned commercialisation plan in the project proposal) for any outputs from the project.</p> <p>This should include recommendations for the commercialisation of the results of the project and the registration or other protection of Project IP and Project Confidential Information as per the Research Agreement.</p>
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<p>None (as per proposal)</p> <p>There is scope however to extend this type of work to a broader audience across SEPWA members, and the WA grower groups, and farmers through SEPWA newsletter articles and presentations. Results will be displayed at talks, if meaningful.</p> <p>Importantly trials such as these show the commercial implications of relevant trial work on different soil types.</p>

It is understood that this may require further discussion and agreement with COGGO via its' agent GIWA, as per the undertakings given and terms agreed, in the project proposal. This can be the subject of an appended letter and attachments. In all cases such discussion and subsequent agreements need to be governed by *Section 8 Project IP, Improvements and Project Confidential information* of the Research Agreement.

5. Communication/ Extension	<p>Insert details of how the communication and extension of the project outcomes has been achieved to date and recommendations for future activities to disseminate and promote adoption of the results of the Project.</p>
<ul style="list-style-type: none"> • 2 newsletter articles • Cascade Field Day Presentation • RAIN Crop Updates • SEPWA Harvest Review • North Mallee Updates 	

Note: As per *Clause 7.3 (b) (ii)* of the Research Agreement COGGO may require the Researcher to produce an edition of the Final Report in a form suitable for general distribution. If so required by COGGO, the Researcher must produce a non-confidential version of the Final Report within 28 days of receiving a request to that effect from COGGO.

6. Certification	
<p>The Project Supervisor and the Research Organisation certify that all information contained in, and forming part of, this final project report is complete and accurate. The project supervisor and research organisation further warrant that the project complied with all the relevant guidelines affecting the conduct of research, for example in relation to ethics, bio-safety, environmental legislation, GMAC or National Health and Medical Research Council Codes.</p>	
<p>Project Supervisor's signature _____</p>	
<p style="padding-left: 40px;">Name (in Capitals)</p>	
<p>_____ Date:</p>	

Research Organisation signature _____

Name and title of authorised signatory (in Capitals)

_____ Date:

Completed Final Project reports

Email to coggoresearchfund@giwa.org.au or mail to
COGGO Research Fund, GIWA, PO Box 1081, Bentley DC, WA 6983

For any further enquiries please email questions to coggoresearchfund@giwa.org.au

Or phone (08) 6262 2128

COGGO representative

For the purpose of this Project agreement contract, COGGO will be represented by Grains Industry Association of Western Australia (GIWA), or such other representative that is nominated by COGGO as authorised to operate on behalf of COGGO.

**PROJECT SYNOPSIS SUITABLE FOR GENERAL PUBLICITY
AND COGGO WEBSITE**