



*Office Use Only*

Project Code	
Project Type	

## GROWER GROUP FINAL REPORT 2019

Applicants must read the *SAGIT Group Allocation Guidelines 2019* prior to completing this form. These guidelines can be downloaded from [www.sagit.com.au](http://www.sagit.com.au)

Final reports must be emailed to [admin@sagit.com.au](mailto:admin@sagit.com.au) as a Microsoft Word document in the format shown **within 2 months** after the completion of the Project Term.

<b>PROJECT CODE</b>	: AKI118G
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<b>EVENT TITLE</b>	(10 words maximum)
Plot Sprayer for Research on Kangaroo Island	

### EVENT DURATION

*These dates **must** be the same as those stated in the Funding Agreement*

<b>Event Start date</b>	<b>1<sup>st</sup> March 2018</b>	
<b>Event End date</b>	30 <sup>th</sup> June 2019	
<b>SAGIT Funding Request</b>	20019/20	

### EVENT SUPERVISOR DETAILS

*The project supervisor is the person responsible for the overall project*

<b>Title:</b>	<b>First Name:</b>	<b>Surname:</b>
Mrs	Jenny	Stanton

### ADMINISTRATION CONTACT DETAILS

*The Administration Contact is the person responsible for all administrative matters relating to the project*

<b>Title:</b>	<b>First Name:</b>	<b>Surname:</b>	
Mr	Darren	Keenan	
<b>Organisation:</b>			
Agriculture KI			
<b>Mailing address:</b>			
<b>Telephone:</b>	<b>Facsimile:</b>	<b>Mobile:</b>	<b>Email:</b>

## EVENT REPORT

Provide clear description of the following:

### Executive Summary (200 words maximum)

A few paragraphs covering what was achieved, written in a manner that is easily understood and relevant to SA growers. Report on the attendance at the event, relevant photos could also be attached. A number of key dot points should be included which can be used in SAGIT communication programs

Agriculture KI now has the ability to spray trial plots ranging in size from 1.8 to 3metres courtesy of SAGIT funding. Due to personal reasons (i.e. having a baby) there were delays in constructing the boom but it was certainly worth the wait. The plot sprayer has wide bike wheels that travel on the narrow strip between the 1.8 metre wide plots. Originally it was hoped that the operator could also walk along this outer plot row but it added too much engineering complexity to the design and so it was resolved that the operator would still need to still walk immediately behind the boom to keep everything symmetrical. The wheels travel forward of the boom which is important especially when spraying 3metre wide so that the spray does not get rubbed off by the wheels travelling over it.



### Overall Performance

A concise statement indicating the extent to which the objectives were achieved, a list of personnel who participated in the Event including co-operators, and any difficulties encountered and the reasons for these difficulties.

The objective of a plot sprayer has been achieved and has been a huge success. Constant ground speed and boom height can be maintained regardless of the length of the plot whereas before muscle fatigue would set in and the boom height would waver. The engineering and construction of the boom was done by Will Stanton with parts sought from the Spray Shop and ebay. The width of the spray pattern can be

adjusted by using blanks in the appropriate nozzle bodies. The difficulty encountered was finding the time to for Will to execute the manufacture once the materials were on hand. An ongoing difficulty is the transport since it has a 2m wide axle and so requires a normal ute tray to move around (eg not a dual cab)

### **Application / Communication of Results**

*A concise statement describing activities undertaken to communicate the results of the event to the grains industry. This should include:*

- *Main findings of the event in a dot point form suitable for use in communications to farmers;*
- *Publications and extension articles delivered as part of the project*

*Note that SAGIT may directly extend information from Final reports to growers. If applicable, attach a list of published material.*

The plot sprayer is available for any research on KI whether it be undertaken by Ag KI, PIRSA, Landmark or Elders. This has been communicated verbally to the board members of Ag KI.

### **POSSIBLE FUTURE EVENTS**

*Provide possible future plans of your Group arising from the project including potential for further work and partnerships.*

Infinite. Having a trial boom opens up opportunities for trial work in the future.