



FINAL REPORT 2014

Applicants must read the *SAGIT Project Funding Guidelines 2014* prior to completing this form. These guidelines can be downloaded from www.sagit.com.au

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

PROJECT CODE	:	AC214
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PROJECT TITLE	(10 words maximum)
More than Gumboots and Tractors! Careers in the Australian Grain Industry	

PROJECT DURATION

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

Project Start date	1/5/14
Project End date	30/06/2015

PROJECT SUPERVISOR CONTACT DETAILS

The project supervisor is the person responsible for the overall project

Title:	First Name:	Surname:	
Ms	Belinda	Cay	
Organisation:			
AgCommunicators			
Mailing address:			
Telephone:	Facsimile:	Mobile:	Email:

Office Use Only

Project Code	AC214
Project Type	Research

ADMINISTRATION CONTACT DETAILS

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

Title:	First Name:	Surname:	
Ms	Deanna	Lush	
Organisation:			
AgCommunicators			
Mailing address:			
Telephone:	Facsimile:	Mobile:	Email:

PROJECT REPORT

Provide clear description of the following:

Executive Summary (200 words maximum)

A few paragraphs covering what was discovered, written in a manner that is easily understood and relevant to SA growers. A number of key dot points should be included which can be used in SAGIT communication programs

The 2014 ***More than Gumboots and Tractors – Careers in the Australian Grains Industry*** initiative was delivered by AgCommunicators, the Grains Research and Development Corporation and the South Australian Grains Research and Development Corporation. Support was also provide through the Royal Agricultural & Horticultural Society of South Australia.

The first phase of the project involved the team conducting a survey of 50 careers advisers to discover the attitudes, skills and awareness of the Australian grains industry. Following this survey, careers advisers were invited to attend a professional development event to discover the science and opportunities in food production.

The survey identified that careers advice within South Australia is given by a range of people including full time careers advisers, teachers who have a part time role in careers support and apprenticeship brokers. In fact, 78 % of those who responded to the survey held a joint teaching and careers adviser role and on average provide advice at least twice per week.

The survey found that most teachers and careers advisers had a positive perception of the agricultural and grains industry. They associate agriculture with a diverse range of careers, with farming and agronomy being the most referenced. While the perception of the industry was predominately positive, when it comes to giving specific career pathways advice 57% (N=50) selfrated themselves as having fair or little knowledge of agricultural career pathways, and commented that they were not overly confident giving advice to students on the diversity of jobs in this area. The advisers who rated themselves as good or excellent in giving advice were predominantly from regional areas, had roles in teaching agriculture and had established links to the industry which were utilised for support.

Overall, 85 % of those surveyed recognised that there is a skills gap within agriculture.

However, the bulk surveyed suggested that only 0-30 % of their entire school population would consider a career in the industry. If a student is interested in agriculture, the teachers are most likely to refer them to the University of Adelaide, Tafe or certificate/traineeships. Students are also directed to support information on web sites, careers booklets and university brochures. There was no recollection of existing agricultural careers support materials such as Careers Harvest, which is the industry's most comprehensive careers guidance tool. Moving forward, those surveyed suggested to best engage students in the grains industry needs to hold field trips, one on one discussions with informed people and better work experience initiatives.

The second phase of the project involved delivering a full day bus tour for teachers and career advisers. This field trip showcased career pathways through RTO's and Universities. It also profiled students in the industry then showcased the science, research and opportunities in food production/the grains industry.

The day concluded with an industry dinner. The dinner, with a local produce theme, gave attendees the opportunity to meet a range of grains industry representatives who shared their career pathway. Overall, it exposed teachers and career advisers to the careers on offer in the Australian grains and wider agricultural industry and equipped them with information and resources to provide guidance to students navigating course decisions and career pathways.

The day was a fantastic success with 100% said they will change the way they will advise student on careers in the grains industry following the event. 100 % would recommend this event to a colleague. 100 % of participants said the event increased their confidence. Increased insight into SA research, new networks and new opportunities for students were sighted as the most valuable outcomes of the day. Participants also changed their self-rated knowledge of careers following attendance at the event with all participants reporting a good or excellent knowledge following the event. Further, 93 % said attendance at the event has changed their perception of the grains industry.

Overall, this initiative suggests that it is possible to change perceptions of careers in the grains industry. A hands-on, engaging approach is required which provides careers advisers with real-life contacts, support and tailored learning outcomes.

Project Objectives

A concise statement of the aims of the project in outcome terms should be provided.

1. Conduct an environmental scan identifying how careers advisers inform and inspire students.
2. Survey South Australian careers advisers to gauge how they advise students.
3. Promote a range of grains and agricultural career pathways, including research, agribusiness, agronomy, industry, communication, education, policy, farming, laboratory technician, mechanical engineering, computer technology, food manufacturing to SA teachers and career advisers.
4. Link teachers and career advisers to local contacts and organisations in the grains industry.
5. Educate careers advisers to adequately advise students making course and career choices through certificate or university pathways.
6. Equip teachers with current tertiary course information relevant to the grains industry.

Overall Performance

A concise statement indicating the extent to which the Project objectives were achieved, a list of personnel who participated in the Research Project including co-operators, and any difficulties encountered and the

reasons for these difficulties.

Twenty two teachers attended the more than Gumboots and Tractors event. Overall, the day was a fantastic success. It gave teachers and careers advisers in South Australia a valuable insight into the huge range of opportunities on offer in the grains sector.

Key results include that 100% of attendees saying they will change the way they will advise student on careers in the grains industry following the event. 100 % would recommend this event to a colleague. 100 % of participants said the event increased their confidence. Increased insight into SA research, new networks and new opportunities for students were sighted as the most valuable outcomes of the day. Participants also changed their self-rated knowledge of careers following attendance at the event with all participants reporting a good or excellent knowledge following the event. Further, 93 % said attendance at the event has changed their perception of the grains industry.

When asked to rate the facilitation and organisation of the day, the AgCommunicators team were rated 9.6 out of 10. The following feedback was also provided.

- An excellent T & D day. Probably my best in 30+ years
- It was a full and fantastic day! I'd love to see more!
- It was excellent and I thoroughly enjoyed the day.
- I have never been to as well an organised event as this one. The organisers were on top of everything and had researched well with excellent knowledge on all the topics covered! Would love her to come to our school and speak!
- Best organised and thought through day I have been too. The passion and attention to detail just burst out of the AgCommunicators guy's. You could see they had thought very deeply about making it a successful day. Engaging and 10+ from me!

A report has been included which summarises the key findings of the survey and event, it also details our learnings. Overall, this initiative demonstrates what can be achieved through industry and funding body collaboration – we were thrilled with how involved industry and became and are proud of delivering an event of this standard.

The program was managed by Belinda Cay and Rebecca Jeisman with support from Deanna Lush and Alistair Lawson. Kathleen Allan, GRDC, provided input into the initiative. She was a guest speaker both in the morning opening proceedings and in the dinner, where she received positive feedback. Malcolm Buckby and Michael Trelor also provided valuable contribution.

Key Performance Indicators (KPI)

*Please indicate whether KPI's were achieved. The KPI's **must** be the same as those stated in the Application for Funding and a brief explanation provided as to how they were achieved or why they were not achieved.*

<i>KPI</i>	<i>Achieved (Y/N)</i>	<i>If not achieved, please state reason.</i>
<i>25 careers advisers to attend the field trip.</i>	Yes	25 careers advisers registered to attend. Only 22 could attend on the day (3 pulled out due to personal reasons).
<i>25 careers advisers to attend the dinner</i>	Yes	25 careers advisers and teachers attended the dinner. Three extra teacher guests were invited to fill the three apologies.

Provision of resource kits (utilising existing resources) plus new posters	Yes	Each teacher was provided with a comprehensive showbag. We had booklets printed (as in the survey careers advisers suggested hard copy materials / resources were of great value) which profiled careers in agriculture, we printed off industry posters, careers harvest fact sheets and recipe books. We sources material from all relevant RTO's, training providers, Universities and Tafe. We also made each participant a grain box with 18 different samples of Australian grains.
Additional outputs:		Delivery of a formal report outlining findings from survey and event. Three youtube clips showcasing the chef in action!

Technical Information (Not to exceed **three** pages)

Provide sufficient data and short clear statements of outcomes.

The pilot event was held on 5 March 2015, a time recommended by teachers and careers advisers. While the event was targeted at school based career counsellors, VET Coordinators and apprenticeship brokers, it was also open to teachers of science, nutrition, biology, chemistry, geography, PLP and agriculture who have a part time role in providing careers advice.

As a first point of call, the event was branded to attract a diverse range of careers advisers. The naming of the event was a play on a common misconception of the industry that agriculture is all about wearing gumboots and driving old tractors. The aim of this event was to dispel this myth and make people realise that the industry is more than just gumboots and tractors and that a career in agriculture does not just mean farming. The branding of the event can be seen in figure 1.



Figure 1: Event branding: the more than gumboots and tractor logo was developed to generate interest in the diverse range of careers available in the grains industry.

The event included the following components:

The Pathways Session: Our initial research into the needs of careers advisers found that a session profiling different pathways into careers is important. Therefore, the day commenced with talks from universities, regional training providers, and on the job trainers who described the subject prerequisites, assumed knowledge and opportunities in their system.

Student and industry profiles: Careers advisers wanted to learn about the experiences, qualifications and decision making process of people in the industry. As such, the event featured short snapshot presentations from people in communications, mechanical engineering, science and research.

The tour: Participants were taken on a tour through the University of Adelaide, The Plant Accelerator, the South Australian Research and Development Institute, The Australian Centre for Plant Functional Genomics and Australian Grains Technologies bread quality laboratories. Participants met and networked with a range of people and learnt about their career, qualifications and what they enjoy about their role and their workplace. Careers targeted were molecular biology, sustainable science, grain research, marketing, food production, plant breeding, cereal chemistry, bulk handling, and grain nutrition.

Field trip: The field trip component took careers advisers on a bus trip to Joe White Malting to see barley production, export and grain quality testing.

The dinner: The day concluded with an industry dinner where there was a 1:1 ratio of teachers and grains industry guests. The dinner, with a local produce theme, gave attendees the opportunity to meet a range of students and grains industry representatives who shared their career pathway. It exposed teachers and career advisers to the careers on offer in the Australian grains and wider agricultural industry and equipped them with information and resources to provide guidance to students navigating course decisions and career pathways. The dinner had an educational eating theme with each person given a 'story' placemats profiling a different career, the advisers were seated between industry representatives who shared their experience with the teacher and throughout the evening they got to listen to short snap shot presentations on the industry, its careers and opportunities. Guest speaker Nigel Crawley spoke on the Careers Harvest website, Kathleen Allan (GRDC) spoke on her agricultural career and the vision for the industry and Michael Trelaor (SAGIT) spoke on opportunities in grains in SA.

Another highlight of the dinner was the local produce themed meal. The team worked with the chef to create a grains based menu – 11 different grains were included in the meal. The chef spoke about the importance of quality produce, discussed how grains can be used in cooking and where he sourced the produce from. Further, we had a roving mic to talk to careers advisers and industry throughout the night to profile their job / career. Overall the night was fun, engaging and promoted the grains industry as exciting, filled with opportunities and rewarding.

The Showbag: The team made comprehensive support material show-bags for each participant which included relevant resources from Careers Harvest, the relevant University's, Registered Training Organisations / Tafe, PICSE and PIRSA. This information was included to assist careers advisers in future. A grains kit was also included which featured samples of 18 different Australian grains as a reminder that the grains industry covers a whole range of careers from the actual seed to the store.

Data Collection

Conducting pre and post surveys of attendees was an important part of the project as there is currently a gap in the scholarly literature on how careers advisers view agriculture. Surveys were conducted via survey monkey pre and post the event. The pre survey was open to all teachers and careers advisers. Careers advisers were approached personally at each school and state government assisted by distributing the survey to their relevant contact list. This process enabled us to develop a formal database of SA careers advisers, which was utilised to advertise the event. The post survey was only available to those teachers who attended the event.

The survey identified that careers advice within South Australia is given by a range of people including full time careers advisers, teachers who have a part time role in careers support and apprenticeship brokers In fact, 78 % of those who responded to the survey held a joint teaching and careers adviser role and on average provide advice at least twice per week. Only

7% of those surveyed held a full time role as a careers adviser. Those surveyed emphasised that their role also included giving advice on subject selection and understanding prerequisites for both Tafe, certificate and University careers pathways. Many also have a role organising apprenticeships and traineeships, which are becoming an important feature of many secondary schools.

The survey found that most teachers and careers advisers had a positive perception of the agricultural and grains industry. They associate agriculture with a diverse range of careers, with farming, broadacre crops and agronomy being the most referenced. When asked what comes to mind when they think of a career in the agricultural industry, responses included a range of different occupations from farmers, through to advisers, agronomists, and research scientists. Some comments included "a wide range of opportunities, guaranteed employment and plenty of options for youth".

When asked about their perceptions of the grains industry, 91.5 % of responses were positive. The negative concerns were surrounding economic and sustainability practices plus climate change and sprays. Figure 3 shows the key words stated by careers advisers when asked what they thought of the grains industry. Positively, 89 % of the respondents agreed with the statement Australian grains farmers are environmental stewards.

While the perception of the industry was predominately positive, when it comes to giving specific career pathways advice 57% (N=50) self-rated themselves as having fair or little knowledge of agricultural career pathways, and commented that they were not overly confident giving advice to students on the diversity of jobs in this area. The advisers who rated themselves as good or excellent in giving advice were predominantly from regional areas, had roles in teaching agriculture and had established links to the industry which were utilised for support. Some specific quotes should be considered;

Overall, 85 % of those surveyed recognised that there is a skills gap within agriculture. However, the bulk surveyed suggested that only 0-30 % of their entire school population would consider a career in the industry. If a student is interested in agriculture, the teachers are most likely to refer them to the University of Adelaide (Waite & Roseworthy) and Tafe. Teachers also refer them to the hard copy Careers Guide booklet, which is produced and distributed to schools each year. Teachers also recommend self-directed internet searches and RTO's. Other organizations where advisers direct students for agriculture careers advice include PICSE, local agronomists, farmers, researchers in their area of interest (entomologists), Marcus Oldham, AgriVenture, MyFuture (website), printed Job Guide and printed university booklets. Most teachers recognised that the advice they give, and where students are directed, is tailored to each student's needs. Many teachers commented that any new knowledge to assist their ability to give advice was greatly appreciated. Not one teacher referenced Careers Harvest, which is the industry's most comprehensive careers guidance tool.

Three teachers surveyed (with agricultural backgrounds) raised a concern that other than the University of Adelaide and Tafe, there are limited places within South Australia to send students interested in careers in agriculture. Teachers are referring students to interstate universities such as Marcus Oldham and Orange ag, which have a more applied rather than academic tertiary agricultural course. Concerns were raised over the quality of Tafe training at higher levels. Teachers provided feedback that having more industry contacts who welcome graduate students would be of value. They also suggested receiving a brief from the recruitment agencies would be useful so they are better able to direct students into careers which have skills shortages and are not in oversupply.

Teachers/Career Advisers and online education providers are the key source for the provision

of career pathway information to students followed (closely) by family and friends. When asked how the grains industry could engage these students and influence their career decisions the advisers suggested that the grains industry needs to hold field trips, one on one discussions with informed people and better work experience initiatives.

They also suggested that the grains industry should:

- Develop and provide hard copy resources to give to students. Resources must be sent to the right teacher (not the principle)
- Offer guest speakers in schools (need to travel to regional areas)
- Offer industry placement programs with real world experience
- Deliver tailor made ag careers events that expose kids to the different possibilities
- Provide an Ag Education Officer who travels to schools and speaks to students
- Offer more flexible training arrangements in SA
- Offer more flexible and practical tertiary degrees in agriculture, not all students want to do chemistry and physics yet would make excellent field technicians etc – there needs to be a qualification between Tafe and University
- Arrange an information day which includes all types of people who will talk to the students
- Develop an interactive website that is interesting, engaging and current
- Run more career days on all agricultural pathways in the country rather than all being in Metro areas

Conclusions Reached &/or Discoveries Made (Not to exceed one page)

Please provide concise statement of any conclusions reached &/or discoveries made.

Overall the event was considered successful as it achieved its core aims of changing the perceptions of the careers available in the Australian grains industry. Take home messages from the research and event include:

- Careers advice within South Australia is given by a range of people including full time careers advisers, teachers who have a part time role in careers support and apprenticeship brokers. The majority of careers advisers surveyed held joint teaching and careers adviser role and on average provided advice at least twice per week.
- Careers advisers would like clear, easy to access information which provides examples of careers and details the subject selection / prerequisites for both Tafe, certificate and University careers pathways.
- Most teachers and careers advisers have a positive perception of the agricultural and grains industry. They associate agriculture with a diverse range of careers, with farming, broadacre crops and agronomy being the most referenced. Careers advisers did not associate technology, engineering, communication or agribusiness with agriculture – this was not front of mind when they are asked to recall careers associated with the industry. Greater communication and innovative initiatives are required to broaden the range of careers which careers advisers associate with grains and agriculture.
- Careers advisers are not aware of many of the agricultural careers services or support materials, such as those offered by Careers Harvest or PICSE. There are a range of existing materials available. Greater effort needs to be placed in ensuring these are distributed to the careers adviser within the school. Hard copy and electronic are preferable.
- Careers advisers are generally aware that there are a wide range of opportunities, guaranteed employment and plenty of options for youth within the agricultural sector, however, they suggest that between 0-30% of their students would consider this as a career path. When asked what comes to mind with agriculture and grains, there was

great association with grains, livestock, agronomy, research and production. There was few associations with technology and innovation. Greater work is needed to promote the opportunities i.e. precision ag, use of drones, online systems through to innovative sustainable farming practices.

- Careers advisers are keen and eager to learn and engage. They would like to attend more professional development events and be sent new information to support their advice services. This is an opportunity which the industry should take. We have a new database which can be utilised to promote new resources.
- Careers advisers suggest that we should be more proactive in engaging students. They suggest that the industry should:
 - Develop and provide hard copy resources to give to students. Resources must be sent to the right teacher (not the principle)
 - Offer guest speakers in schools (need to travel to regional areas)
 - Offer industry placement programs with real world experience
 - Deliver tailor made ag careers events that expose kids to the different possibilities
 - Provide an Ag Education Officer who travels to schools and speaks to students
 - Offer more flexible training arrangements in SA
 - Offer more flexible and practical tertiary degrees in agriculture, not all students want to do chemistry and physics yet would make excellent field technicians etc – there needs to be a qualification between Tafe and University
 - Arrange an information day which includes all types of people who will talk to the students
 - Develop an interactive website that is interesting, engaging and current
 - Run more career days on all agricultural pathways in the country rather than all being in Metro areas

Intellectual Property

Please provide concise statement of any intellectual property generated and potential for commercialisation.

n/a

Application / Communication of Results

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

- *Main findings of the project in a dot point form suitable for use in communications to farmers;*
- *A statement of potential industry impact*
- *Publications and extension articles delivered as part of the project; and,*
- *Suggested path to market for the results including barriers to adoption.*

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

SOUTH Australian teachers and careers advisers learnt about the huge range of opportunities on offer in the grains sector as part of an industry partnership to boost the number of students choosing agriculture as their career.

AgCommunicators, the Grains Research & Development Corporation (GRDC) and the South Australian Grain Industry Trust (SAGIT) launched a new professional development workshop – *More than Gumboots and Tractors* – to upskill SA teachers and career advisers on careers in the SA grains industry.

According to the Australian Farm Institute, Australian universities are producing about 700 agriculture graduates each year for a job market exceeding 4000. This represents a major succession issue.

GRDC Capacity Building Program Manager Kathleen Allan says this project aimed to address a large skills concern for the grains industry.

“The workforce of tomorrow for the grains industry starts with today’s high school students so it is important that those who help advise and steer students’ careers, are equipped with the right information,” Ms Allan said.

To help understand careers advisers perceptions and needs, the project involved an initial survey of 50 careers advisers. The poll found that 25 percent had little knowledge of career pathways into agriculture while 32 percent had only a fair knowledge.

Those who do have good or great knowledge, had experience in the agricultural industry, were agricultural teachers or lived in a region with access to support.

“The results of the survey indicate that there is work to be done in educating career advisers of the actual careers available. There is the perception that a career in agriculture simply means farming – we are working to dispel this myth and profile the broad range of careers from research to agronomy, food science to grain marketing, precision technology, logistics to communication,” Ms Allan said.

SAGIT Chairman Michael Treloar says response to the workshop was excellent, with teachers and careers advisers from all corners of the state registering to take part in the event.

“We believe this is the first event of its kind in South Australia for the grains industry and the program was quite exciting.

“Following the survey, 25 teachers registered to go on a *More than Gumboots and Tractors* bus trip adventure through leading SA grains research organisations and businesses with each stop profiling a different range of careers,” he said.

Specifically, this field trip showcased career pathways through Tafe, RTO’s and Universities, profiled students in the industry then showcased the science, research and opportunities in food production.

The day concluded with an industry dinner which had a local produce theme. This gave attendees the opportunity to meet a range of grains industry representatives who shared their career pathway and personal experiences, giving the adviser a chance to learn about real world careers in SA.

Overall, the event exposed teachers and career advisers to the careers on offer in the Australian grains and wider agricultural industry and equipped them with information and resources to provide guidance to students navigating course decisions and career pathways.

The day was a fantastic success with 100% said they will change the way they will advise student on careers in the grains industry following the event. 100 % would recommend this event to a colleague. 100 % of participants said the event increased their confidence. Increased insight into SA research, new networks and new opportunities for students were sighted as the most valuable outcomes of the day. Participants also changed their self-rated knowledge of careers following attendance at the event with all participants reporting a good or excellent knowledge following the event. Further, 93 % said attendance at the event has changed their perception of the grains industry.

Overall, this initiative suggests that it is possible to change perceptions of careers in the grains industry. A hands-on, engaging approach is required which provides careers advisers with real-life contacts, support and tailored learning outcomes.

The event also provides a platform for what other sectors of the agricultural industry can do to assist with their succession planning.

“Succession planning for the grains industry requires a whole of industry response so we all need to spruik the benefits of working in our dynamic industry,” Mr Treloar said.

A formal report detailing the event components, survey findings and industry recommendations can be found at: www.agcommunicators.com.au

POSSIBLE FUTURE WORK

Provide possible future directions for the research arising from the project including potential for further work and partnerships.

The following recommendations could be considered:

- Deliver the More than Gumboots and Tractors initiative nationally (note this has since been funded and approved by the GRDC). Following positive feedback from the event it is proposed that the AgCommunicators team work collaboratively with Kathleen Allan (Program Leader, Capacity Building, GRDC) to expand this pilot initiative nationally. Initially it is proposed to deliver six, day long events with a following gala dinner – one in NSW, Queensland, Western Australia (2 events), Victoria and Tasmania. Careers advisers are an untapped resource – they are advising students and yet many know little about what our industry has to offer. Working with careers advisers allows the multiplier effect, with careers advisers helping direct potentially hundreds of students over a given year.
- Deliver a similar careers event for STUDENTS. This event should follow a similar format, field trip and dinner, but must have links and relevance to the Australian Curriculum. Note that students learn about food and fibre from Foundation to Year 10. Students can explore the production of the food they eat, fibres they use and the environment in which they live. They also address key processes of production, marketing, consumption, sustainable use of resources and waste recycling (ACARA 2014). Specifically, food and fibre concepts are embedded within Design and Technology, Science as a Human Endeavour and Geography. Making any events

relevant to the national curriculum adds weight to the event.

- That the agricultural industry holds an annual careers forum / event which updates careers advisers on the actual skills gaps available in the agricultural industry so they are able to better direct students to areas of job shortages.
- Hold these events in the regions i.e. take bus tours of students through industry in the Mallee, South East, Mid North, Eyre Peninsula and Yorke Peninsula. This would increase regional exposure of career opportunities.

AUTHORISATION

Name: Deanna Lush

Position: Director, AgCommunicators

Signature:

Date: 20/8/2015

Submit report via email to admin@sagit.com.au as a Microsoft Word document in the format shown ***within 2 months*** after the completion of the Project Term.

Appendix 1: **Teacher and Career Adviser Professional Development Day**
ITINERARY



Date: Thursday, March 5, 2015

Objective: Increase exposure and understanding of the range of careers in the Grains Industry through demonstrating value of the career, the salaries, opportunities and progression pathways.

- 8:30am Meet at Adelaide Showgrounds, Wayville
(showgrounds carpark, Rose Terrace, Wayville SA 5034)
- 9:00am *Transit to Waite Campus*
- 9:15am Official Welcome – Kathleen Allan. Waite overview, intro of session – Belinda Cay.
Location: Seminar Room, ACPFG, Plant Genomic Centre
- 9:30am **Careers in Ag - Pathways and Courses**
AIM: is to expose participants to a number of careers through a series of short presentations.
- University of Adelaide**
Jason Able – program coordinator bach ag science (durum plant breeder)
8313 7075
- University of SA**
James Barr - Bachelor of Science, Mechanical Engineer.
Organised via Victoria Fielding, Communications –
Victoria.fielding@unisa.edu.au
- Flinders Uni -**
Recruitment group – Faculty of Science and Engineering. Michelle Berrigan – Marketing and Comm. 8201 7989
michelle.berrigan@flinders.edu.au
- Rural Skills -**
Ross Manthorpe, SA School Based Apprenticeship Broker.
rossm@ruralskills.com.au

10:30am *Morning Tea*

10:50am Walking tour of Waite Campus with Jason Able:
1. Plant Accelerator
2. Machinery Shed
3. Lab Visit Waite Main Building (if time permits)
4. Bird-Proof Enclosure

12:10 Wheat Quality Lab - Lee Moisenek - Dough quality test, bread samples, breeding

12:45 Working LUNCH - group networking with GRDC and SAGIT

1:30pm *transit to Inner Harbour, Port Adelaide*

2:30pm Joe White Maltings tour and taste:

- Tour through grain receival and malt brewing process
- Exposure to management, lab, technician and grain receival careers

4:00pm transit to Adelaide Showground

5pm - 5:45pm Pre-dinner drinks for tour participants, A chance to refresh and view selected exhibits from the Golden Grains Pavilion.

6pm – 9pm Dinner at the Showgrounds with invited guests, highlighting their careers in the grains industry.

- Speakers
 - GRDC (Kathleen Allan)
 - SAGIT (Chairman Michael Treloar)
 - Careers Harvest, Nigel Crawley (CONFIRMED)
 - MC: Belinda Cay
- Proposed Guests:
 - Crop Pathologist (Hugh Wallwork – SARDI)
 - Plant Breeder (James Edwards - AGT)
 - Agronomist – private / retail (Mick Faulkner)
 - Mechanical Engineer – (James Barr)
 - Research Officer (Charlton Jeisman – SARDI)
 - Soil Scientist (Sean Mason, Research Fellow – Uni of Adelaide)
 - Grain Quality (Darryl Mares, Senior research Fellow - Uni of Adelaide)
 - Grower: Richard Konzag – Australian durum grower of the year, GRDC Southern Panel
 - Grower: **Andy Barr** - lentil and canola grower and AGG Co-op Board, GRDC Board.

Appendix 2: Invitation to the Gumboots and Tractors Careers Dinner Event



INVITATION

AgCommunicators together with GRDC and SAGIT, are pleased to invite you to the More than Gumboots and Tractors careers dinner. The dinner, with a local produce theme, will give you the opportunity to network with teachers and career advisers.

This dinner aims to expose teachers and career advisers to the careers on offer in our grains industry and equip them to provide guidance to students navigating course decisions and career pathways.

Given your experience we would value your attendance to informally share your personal career insights and profile the incredible opportunities available in South Australia's grains industry with your dinner table.

More information:
Rebecca Jeisman, AgCommunicators
M 0438 683 436
E rebecca.jeisman@agcommunicators.com.au

**THURSDAY
MARCH 5, 2015
6pm to 9pm**

LOCATION:

Goyder Mezzanine in the Goyder Pavilion
Royal Adelaide Showground
Enter from Rose Terrace, Wayville SA

Car park: available at the Adelaide Showground's
Rose Terrace car park

Attire: Neat Casual (or your company uniform)

Master of Ceremonies:

Belinda Cay, AgCommunicators

Guest Speakers:

Nigel Crawley, Career Harvest
Kathleen Allan, GRDC
Michael Treloar, SAGIT

Appendix 3: Invitation to More than Gumboots and Tractors



INVITATION

The grains industry invites teachers and career advisers to discover the science of food production. This free full-day event will take you on a tour through a range of South Australian research centres to see molecular biology, grains research, grains marketing, plant breeding and nutrition in action.

PROFESSIONAL DEVELOPMENT OUTCOMES:

- > Create links with industry organisations for teaching and learning inspiration and student work experience
- > Discover learning pathways into food science and grains careers
- > Receive a certificate of attendance

THIS EVENT WOULD SUIT RURAL OR METRO BASED:

- > Teachers of science, nutrition, biology, chemistry, geography, PLP and agriculture
- > School based career counsellors or VET Coordinators

More information:

Rebecca Jeisman, AgCommunicators

M 0438 683 436

E rebecca.jeisman@agcommunicators.com.au

**THURSDAY
MARCH 5, 2015
9am to 9pm**

LOCATION:

Meet and conclude at the Royal Adelaide Showground (meet at the Rose Terrace carpark, Wayville SA.)

Inclusions:

- > Full day program (9am to 6pm)
- > Interactive dinner with local produce (6pm to 9pm)
- > Catering, transport between sites and materials/resources.

Event programs will be distributed to registered attendees. Limited to the first 25 registrations from South Australia. Maximum of two registrations per school unless arranged with organisers prior.

Register by Wednesday, 17 Feb at
www.agcommunicators.com.au

Appendix 4: Grains based menu for the careers advisers dinner

Entree

- Salad of Buckwheat and Pearl Barley with Lemon and Thyme Grilled Chicken Breast and crushed Chickpea and Tahini Dressing
- Cassoulet of Du Puy lentils and yellow Split Peas with baby heirloom carrots and spiced Chorizo sausage and Adelaide Hills Microherb salad (served warm)

Main

- Beef Eye Fillet with a Thyme and Polenta Crust, Oat and Cheddar Crumbed Field Mushroom and Roasted Beetroot and Red Wine Jus
- Moroccan Spiced Lamb Rump with Spiced Couscous, grilled Pumpkin, crunchy fried peas and Lemon Yoghurt

Desert

- Orange and Rhubarb tartlet with Oat and Cinnamon Crumble, Clotted Cream and Vanilla Anglaise
- Rolled Oat Porridge with Brown Sugar and Almond Glazed Apricots, Blueberries and King Island Cream