



GLENCORE  
GRAIN

2013

Glencore Grain 15th Annual  
SANTFA Conference

## Registration Form

**TAX INVOICE** ABN: 85 250 602 181

Please keep a copy of this form for your records. A receipt will be forwarded only on request.

SANTFA Member (name) \_\_\_\_\_

Please list names of attendees below, including registering member.

Attendee 1 \_\_\_\_\_

Attendee 2 \_\_\_\_\_

Attendee 3 \_\_\_\_\_

Attendee 4 \_\_\_\_\_

Note: No refunds, but transfers permitted.

### FORUM SELECTIONS

Please circle one selection per person (A or B) for each Forum session.

Attendee 1      Forum 1   A   B      Forum 2   A   B

Attendee 2      Forum 1   A   B      Forum 2   A   B

Attendee 3      Forum 1   A   B      Forum 2   A   B

Attendee 4      Forum 1   A   B      Forum 2   A   B

### REGISTRATION & PAYMENT DETAILS

Please insert the relevant number of registrations in each box

	Cost	Total
<input type="checkbox"/> Member registration(s)	\$175	_____
<input type="checkbox"/> Family member/employee registration(s)	\$175	_____
<input type="checkbox"/> Non-member registration(s)* (*Includes \$159 cost of SANTFA membership)	\$324	_____
<b>Sub-total</b>		<b>\$</b> _____
<input type="checkbox"/> Early Bird rebate (subtract \$30 for each registration paid before Feb 8)		_____
<input type="checkbox"/> Late Penalty (add \$15 for each registration paid after Feb 15)		_____
<b>Total payment due</b>		<b>\$</b> _____

### Payment method

Cheque (make payable to SANTFA)     VISA     Mastercard

Name on credit card: \_\_\_\_\_ Expiry Date \_\_\_\_/\_\_\_\_

Card Number

Total Amount: \$ \_\_\_\_\_ Signature \_\_\_\_\_

Please complete the above information and post or fax registration and payment to SANTFA, PO Box 923, Clare, SA 5453. Fax (08) 8842 1875

For further enquiries contact SANTFA (08) 8842 4278 or email admin@santfa.com.au



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International and Australian Nuffield Scholars who are applying their scholarship findings on their own properties headline the impressive line-up of speakers at this year's annual conference.

Topics covered will include diversification, risk management, controlled traffic farming, grazing grain crops, cover cropping and the family farm, all with a clear focus on sustainability and profitability.

Other farmer speakers will detail their experiences with direct injection and sensor weed sprayers, precision agriculture technology and the use of clay, lime and gypsum to improve soil conditions and productivity.

This year's speakers bring together the latest knowledge from around the world, filtered through their practical on-farm experiences, making this conference an event not to be missed by any grower looking to reduce risk, improve sustainability and increase profit.

Complete and lodge the form on the back page now to ensure a place at the conference and your choice of forum options.

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Friday February 22  
Barossa Arts & Convention Centre  
Magnolia Road, Tanunda

A blend of international and Australian speakers will present on a range of topical and regionally relevant agronomic issues at this year's SANTFA Conference.



ACTA    CROPSMART    SENTEK    SERAFIN    GOLDACRES

## Keynote speakers

This year's conference will have clear focus on practical local application of knowledge from around the world, with three Nuffield scholars presenting keynote addresses.

**Steve Larocque** grows canola, wheat, barley and peas on more than 12,000 ha of heavy clay soil at Three Hills, about 100 kms north-east of Calgary in Alberta, Canada.

He has a degree in agriculture, is a consultant agronomist and is managing director of Preferred Carbon Land Management.

As a Canadian Nuffield Scholar, Steve studied controlled-traffic farming and was one of the first growers in Western Canada to implement it, making his own machinery modifications, and inter-row seeding. Five years on, he has also adopted no-till.

Steve cautions that farming more land may not improve profitability and believes controlled-traffic farming can enable farmers to generate higher returns on less land with less risk.

**Rob Egerton-Warburton**, who farms at Kojunup, in the WA wheat belt about 200 kms inland from Margaret River, was a finalist in the 2012 farmer of the year competition. He is also a Nuffield Scholar who set out to study mixed farming systems and found himself exploring the relationship between diversity and risk.

He found that diversity in agricultural enterprises decreases risk and increases opportunity, but "farmers manage risk by doing what produces the most reliable result".

Rob predicts that the next big jump in productivity will come from exploiting the diversity of farming enterprises, rather than improvements in plant or animal breeding.

He believes integrated livestock cropping systems have an important role in risk management and coping with a changing environment.

**Nathan Craig**, a farmer and contract seeder based at Apsley, in South-Western Victoria has recently relocated to WA to undertake a PhD in zero-till systems.

He will return for the conference to discuss his experiences with disc seeding systems and the potential for summer forage crops for SA farmers with livestock or looking to include livestock in their system.

Nathan, who sees distinct benefits from a combination of cropping and livestock, believes the ability of a disc opener to seed through standing crop or surface trash increases the opportunities to establish summer crops to provide extra feed for stock.

**Craig Duffield** is exploring the potential of multi-species cover crops on his property outside Goyder's Line near Ramco in the SA Mallee.

Based on his first year's results, which included a reduction in brome grass numbers, he is optimistic cover cropping has a genuine place in his farming system, and will outline his experience so far with cover cropping, which he encountered during the overseas study phase of his Nuffield Scholarship.

Craig set out to research issues relevant to the future of family farms in marginal areas, and in the US this focus exposed him to the potential benefits of diverse, multi-species cover crops.

He acknowledges that many Australian growers would question the wisdom of cover cropping because it appears to use moisture that might otherwise be available for grain production, but points to US research that found only 1 mm difference in available water with and without a cover crop, and soil temperature 11°C cooler.

## Program

8.15 – 8.45	Registration
8.45 – 8.50	Welcome: Brad Moyle – SANTFA President
8.50 – 9.00	Sponsor's opening address: Glencore Grain representative
9.00 – 10.00	Keynote speaker: Steve Larocque (Canada) – Beyond Agronomy
10.00 – 11.00	Forum 1 (Choose A or B) <b>A. Cost Effective Summer Weed Control</b> Steve Heinrich & Jock McNeil <b>B. Monitoring Soil Moisture</b> Leighton Wilksch & Adrian McCabe
11.00 – 11.30	Morning tea
11.30 – 12.20	Keynote Speaker: Rob Egerton-Warburton (WA)
12.20 – 12.30	Dennis Hoiberg – Mind Your Own Business
12.30 – 1.30	Lunch
1.30 – 2.00	Greg Butler (SANTFA) – Agronomy Update
2.00 – 2.30	Glencore Grain – Marketing Specialist – Market Trends for the Coming Season
2.30 – 3.30	Forum 2 (Choose A or B) <b>A. Livestock Fit</b> Sam Tiller & Peter Prime <b>B. Clay, Lime &amp; Gypsum – Delving for Soil Improvement</b> Andrew Whitlock (Vic) & Roger Grocock
3.30 – 4.00	Afternoon tea
4.00 – 4.30	Nathan Craig – Experiences with Cover Cropping
4.30 – 5.00	Craig Duffield – Cover Cropping in Marginal Areas
5.00 – 5.05	Closing Comments: Brad Moyle – SANTFA President
5.05	Bar open, networking

## Forums

### Forum 1 (Choose A or B)

#### **A** Cost-effective summer weed control Steve Heinrich & Jock McNeil

Steve Heinrich will discuss his experiences with Direct Injection spray technology. Steve farms at Loxton, in the SA Mallee, where he sows wheat, barley and canola on 3,600 ha each year on soils ranging from shallow stony country to red flats and deep sand hills. He has been continuous cropping and no-till farming since 2003 and runs no stock apart from some cattle after summer weed spraying when conditions are right.

Jock McNeil uses a WEEDit spray unit that has reduced his chemical costs and significantly improved the efficiency and effectiveness of his summer spraying. He will outline how he uses this sensor technology in his no-till, full stubble retention farming system, the benefits it provides and the practical issues involved in getting the best terms of performance and financial benefit from the technology. Jock, who is 21 years of age, sows barley, wheat, canola, and some legumes on 380 mm row spacing on 7,800 ha at Paruna, where the average annual rainfall is 285 mm and soil types range from deep, non-wetting sands to sandy loam over clay and heavy flats. He also uses variable rate technology to manage seed and fertiliser rates at seeding and for in-crop nitrogen application.

#### **B** Monitoring soil moisture Leighton Wilksch & Adrian McCabe

Leighton Wilksch will discuss the use of soil moisture data to improve decision making in dryland farming systems, what is involved in installing a soil moisture probe and what the data they generate looks like. Leighton, who is research coordinator of the Northern Sustainable Soils group and a former SPAA committee member, is based at Paskeville, on Yorke Peninsula, where he runs Agbyte, a consultancy focused on soil and crop data acquisition. He is also a Landmark Precision Farming consultant and Product Development Agronomist.

Adrian installed a soil moisture probe on his Grenfell (NSW) property six years ago, and subsequently on his Hamley Bridge farm in 2010, where he grows durum wheat, canola and beans and runs a flock of 900 crossbred ewes. Adrian will explain how his attitude to fertiliser applications and grain marketing have changed since he better understands his soil moisture profile, allowing business decisions to be made earlier, and with better background information.

### Forum 2 (Choose A or B)

#### **A** Livestock fit Peter Prime & Sam Tiller

Eyre Peninsula grower Peter Prime farms a total of 5500 ha between Cleve and Streaky Bay in partnership with two brothers and two sons, with 350 ml annual rainfall and diverse soil types. Of their 4500 ha of arable land, 75% is sown for cereals and legumes using a Flexicoil seeding bar with Simplicity tynes and either press wheels or harrows. A 2200 head self-replacing merino flock is grazed on the remaining 25% of the property, supporting the family owned Nantoura Poll Merino Stud. Peter will give an overview of his farming system with a specific focus on how he's integrated sheep into a no-till system.

Sam, Michael and Jarred Tiller run 3500 ha of owned and leased land spanning Avon, Balaklava and Salter Springs in the lower mid north of SA. Five years ago, they decided to confine sheep to a feedlot to reduce compaction. A 2000 head flock of crossbred ewes are fed a mixture of chaff left over after harvest, which is supplemented with grain. Sam Tiller will explain the system to conference delegates, showing how their program has reduced compaction and weed seeds whilst providing a useful alternative for disposing chaff.

#### **B** Clay, lime and gypsum; delving for soil improvement Andrew Whitlock & Roger Grocock

Andrew Whitlock will discuss variable-rate lime and gypsum application and how to use modern technology, including pH mapping, to identify soil constraints and deliver financial savings and environmental benefits. Andrew, a former Precision Agriculture Agronomist with DPI Victoria who has studied precision agriculture systems in Europe, Brazil, Kenya and New Zealand, is share farming near Ballarat, in Victoria, where he grows canola, wheat, oats, barley and lupins on 240 ha of sandy loam over heavy clay, using a CTF system with three-metre wheel tracks, nine-metre machinery width and 380 mm row spacing.

Bordertown farmer Roger Grocock runs a 1400 ha property at Bordertown, growing wheat, canola, barley, beans and lupins with a 1300 head flock of self-replacing merino ewes. Roger has undertaken clay spreading or delving over the whole of his property, with soil types ranging from deep sand through to sandy grey loam over clay. In his forum presentation, Roger will outline his experiences with clay spreading and delving to improve soil condition and crop performance focusing on the practical and financial considerations when pursuing this course of action.

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