

# ARAB XVIII: Growing from Strength to Strength



## Monday 29th September 2014

**Welcome Poolside BBQ & Drinks:** 18.00  
Novotel Barossa Valley Resort

## Tuesday 30th September 2014

Session	Session Theme	Start	Finish	Chairperson	Speaker	Title	
1	Welcome & Opening	8.30	8.45	Andrew Ware	Rob Wilson	Opening comments	
	Nutrition and Blackleg	8.45	9.00		Rob Norton	Nutrient concentrations of Australian canola	
		9.00	9.15		Amritbir Riar	Yield dynamics of canola under different nitrogen and water regimes in south Australian Mediterranean environments	
		9.15	9.30		Eric Koetz	Canola variety interaction with nitrogen placement	
		9.30	9.45		Barb Howlett	Susie Sprague	Timing and severity of seedling infection by <i>L. maculans</i> influences disease at plant maturity
		9.45	10.00		Vicki Elliott	Management decisions for foliar fungicide applications aimed at controlling blackleg disease	
		10.00	10.15		Angela van De Wouw	Resistance to <i>Leptosphaeria maculans</i> conferred by major gene resistance is not restricted to the seedling stage of development of <i>Brassica napus</i> .	
		10.15	10.45	Morning Tea			
2	Insects and diseases	10.45	11.00	Trent Potter	Michael Nash	Overview of invertebrate threats to Canola	
		11.00	11.15		Helen DeGraaf	'Be the snail' - pathways to improved snail management	
		11.15	11.30		Greg Baker	Diamond back moth in canola	
		11.30	12.00		<b>DISCUSSION</b>	<b>Which insect pests are likely to be the new big things in canola?</b>	
		12.00	12.15	Steve Marcroft	Ravjit Khangura	Re-emerging disease issues in canola	
		12.15	12.30		Joop Van Leur	Viruses on canola and juncea: Survey results in New South Wales and screening for resistance.	
		12.30	13.30	Lunch			
3	Diseases	13.30	13.45	Steve Marcroft	Kurt Lindbeck	Sclerotinia stem rot in Australia – What has been done and where are we going..??	
		13.45	14.00		B N Hidayah	Variability of Western Australian Isolates of <i>Sclerotinia sclerotiorum</i> and Potential of Local Biological Control Agents	
		14.00	14.15		Jenny Davidson	Green Peach Aphid and Beet Western Yellows Virus in 2014	
		14.15	14.45		<b>DISCUSSION</b>	<b>What disease issues can we expect in the next 5-10 years?</b>	
		14.45	15.00		Ganesalingam Anandini	Analysis and interpretation of co-located canola chemistry experiments in NVT	
		15.00	15.30	Afternoon Tea			
4	Weeds & agronomy	15.30	15.45	Don McCaffery	Kathi Hertel	Role of canola in integrated weed management in northern NSW	
		15.45	16.00		James Holden	Comparison of herbicide-tolerant canola systems through five-year, on-farm 'Clearfield® Challenge' program	
		16.00	16.15		Tony Swan	Canola's value as a break-crop in the new world of herbicide resistant weeds	
		16.15	16.30		Mark Seymour	Canola agronomy in low rainfall environments of Western Australia.	
		16.30	16.45		Rohan Brill	Effect of genotype choice and agronomic management on canola performance in Northern NSW – 2012 and 2013	
<b>Casual Dinner Function:</b>		<b>19.00</b>					
Details to follow ...							

# ARAB XVIII: Growing from Strength to Strength



## Wednesday 1st October 2014

Session	Session Theme	Start	Finish	Chairperson	Speaker	Title
5	Abiotic stresses	8.45	9.00	Wayne Burton	Amritbir Riar	Sensitivity of canola yield to stress at different growth stages.
		9.00	9.15		Guo Yiming	Screening for drought tolerance in Brassica rapa: from genetic variation to gene expression.
		9.15	9.30		Sheng Chen	Drought and heat tolerance in Brassica rapa and B. napus at the early reproductive stage.
		9.30	9.45		Wallace Cowling	Breeding for drought and heat tolerance in canola – Brassica rapa as a model species.
		9.45	10.00		Harsh Raman	Understanding the genetic bases of phenotypic variation in drought tolerance related traits in canola (Brassica napus L.)
		10.00	10.30	Morning Tea		
6	Genetic variation in breeding	10.30	10.45	Phil Salisbury	Babu Pandey	Canopy Light Interception is an Alternative to Biomass Sampling in Juncea Canola Breeding.
		10.45	11.00		<b>DISCUSSION</b>	<b>Abiotic stresses in canola</b>
		11.00	11.15		Harsh Raman	Genome-wide association for early plant vigour in canola.
		11.15	11.30		Rosie Raman	Exploring natural genetic variation for pod shatter resistance in Brassica species.
		11.30	11.45		Heping Zhang	Genotypic variation in water-soluble carbohydrate accumulation in canola and its contribution to seed yield.
		11.45	12.00		Matthew Nelson	Extreme transgressive segregation for thermal time to flowering in both short day and long day conditions discovered in a cross between Australian and European summer annual-type Brassica napus L.
		12.00	12.15		Kalinya Pulsford	EzyCross- a versatile platform technology to introduce agriculturally important traits from distant relatives into Canola.
12.15	12.30	<b>DISCUSSION</b>	<b>How can molecular breeding contribute to enhanced genetic variation?</b>			
		12.30	13.30	Lunch		
7	Quality	13.30	13.45	Nick Goddard	Jamie Ayton	Increasing the market value of canola through improved oil and meal quality traits.
		13.45	14.00		James Petrie	DHA production in Camelina, Brassica juncea and Brassica napus seed.
		14.00	14.15		Joanne Ernest	Seed protein accumulation and breakdown in a model oilseed.
		14.15	14.30		<b>DISCUSSION</b>	<b>What quality characteristics are likely to become more important in canola?</b>
		14.30	14.45		Trent Potter	John Kirkegaard
		14.45	15.15	Afternoon Tea		
8	High rainfall canola	15.15	15.30		Annieka Paridaen	Getting more value from canola (Brassica napus)—opportunities for mixed farming enterprises in southern Australia's high rainfall cropping regions.
		15.30	15.45		Brendan Christy	The risks and yield potential of canola cultivars and time of sowing within the HRZ.
		15.45	16.00		Penny Riffkin	Reducing canola height in the High Rainfall Zone through the use of semi dwarf varieties and the impact on grain yield.
		16.00	16.15		Margaret Raeside	Increasing the conception and reproduction rate of ewe lambs grazing spring sown canola as forage during autumn.
		16.15	16.30		Julianne Lilley	Using APSIM Canola to assess grain yield and grazing potential of canola across Australia's high rainfall zone.
		16.30	17.00		<b>DISCUSSION</b>	<b>What do we need for canola in the HRZ and how big could the crop become?</b>
		17.00	17.15		<b>Close and state for next ARAB conference</b>	
Dinner Function: Novotel Barossa Valley Resort		19.00				

## Thursday 2nd October 2014

<b>Field tour program</b>	8.00	Buses depart Barossa Novotel
	9.30	Arrive at Riverton – NVT trials/ BWYV in canola sown into wheat stubble
	10.30	Depart Riverton
	12.00	Arrive at Hart – canola agronomy and other trials
	14.00	Depart Hart
		Bus 1 travels to Adelaide Airport
		Bus 2 travels to Mid North High Rainfall Group site
	15.00	Bus 2 arrives at Mid North High Rainfall Group site - canola agronomy and time of sowing trials
	16.30	Bus 1 arrives at Adelaide Airport
	17.00	Bus 2 arrives at Novotel