

PROVISIONAL SCIENTIFIC PROGRAM

SUNDAY 26 AUGUST 2007

- 4.30pm Symposium Registration Desk Opens
- 6.00pm **"BARRETT BURSTON MALTING
WELCOME DOWN SOUTH"**

MONDAY 27 AUGUST 2007

- 8.30am Registration
- 9.00am Welcome to the 13th ABTS
Australian barley: The journey so far
Dr Andrew Crane
Chairman 13th ABTS
- 9.20am **KEYNOTE ADDRESS**
The World of Malting Barley outside Australia
Holger Gauger
HM Gauger GmbH, Germany

SESSION 1 - Barley in the Southern Hemisphere

- 10.00am **KEYNOTE ADDRESS**
Producing malting barley under non-ideal agronomic conditions. Can Southern Africa supply adequate malting barley of the preferred brewing quality?
Dr Idelet Meijering
SABMiller, South Africa
- 10.40am Morning Tea Break with viewing of posters
- 11.10am **KEYNOTE ADDRESS**
Barley breeding and production in South America
Dr Flavio Capettini
Barley Breeding, Latin American Regional Program, Mexico
- 11.55am **INVITED**
Barley breeding in South Africa – Past and future
Francois Potgieter
South African Barley Breeding Institute
- 12.25pm Lunch Break and viewing of Industry Exhibition



SESSION 2 – Advances in Barley Breeding

- 1.30pm Barley Breeding Australia – Future direction
Dr Reg Lance
Barley Breeding Australia - West Node
- 1.50pm Breeding outcomes from molecular genetics
Dr Jason Eglinton
The University of Adelaide, South Australia
- 2.10pm Future issues with breeding for disease resistance in Australia – A vision
Dr Sanjiv Gupta
Department of Agriculture & Food, WA
- 2.30pm Adaptation of barley genotypes to rain-fed conditions of Turkey
Dr Taner Akar
Central Research Institute for Field Crops, Turkey
- 2.50pm What we have selected for in Western Australian barley varieties
Dr Chengdao Li
Barley Breeding Australia - West Node
- 3.10pm Afternoon Tea Break with viewing of posters

SESSION 3 – Barley Breeding Models

- 3.40pm **INVITED**
Breeding for competitive advantage – Program design in a vertically integrated supply chain
Jim Hettinger
Molson Coors Brewing Company, USA
- 4.10pm **INVITED**
Varieties for a vibrant future: Maximising impact of investment in barley breeding
Peter Reading
GRDC, Australia
- 4.30pm **PANEL SESSION**
Barley breeding - David and Goliath threat
Facilitated by *Babs McHugh, ABC*
- 5.20pm Close of Sessions
- 5.30pm **INDUSTRY EXHIBITION SUNDOWNER**
- 7.00pm **JAMES SQUIRES 'ALES AND TALES'**
Presented by Chuck Hahn (optional event)



ABTS 2007

THE 13TH AUSTRALIAN BARLEY TECHNICAL SYMPOSIUM

PROVISIONAL SCIENTIFIC PROGRAM

TUESDAY 28 AUGUST 2007

8.30am Registration

SESSION 4 – Barley and Alternative End Uses

8.45am Opening of Sessions

8.50am **KEYNOTE ADDRESS**

The future of ethanol production from barley and competition with current end-users
Matthew Kelley
Primary Energy, Australia

9.30am **INVITED**

New opportunities for barley in health promoting cereal-based foods
Dr Matthew Morell
CSIRO, Australia

10.00am **INVITED**

Cadmium toxicity and plant response: A case study for barley
Prof Feibo Wu
Dept of Agronomy, Zhejiang University, China

10.30am Morning Tea Break with viewing of posters

SESSION 5 – Advances in Malting Quality

11.00am **INVITED**

Barley breeders and maltsters – Working together to shift the goal posts
Dr Doug Stewart
Joe White Maltings Pty Ltd, Australia

11.30am Response to selection for increased malt extract
Sophia Roumeliotis
University of Adelaide, Australia

11.50am Genotypic and environmental variation in grain protein components in malting barley and its relation to malting quality
Dr Guoping Zhang
Dept of Agronomy, Zhejiang University, China

12.10pm Value of the test weight method in assessing barley quality
Glen Fox
Department of Primary Industries, QLD

12.30pm Lunch Break and viewing of Industry Exhibition



SESSION 6 – Advances in Brewing Quality

1.30pm **INVITED**

The malting and brewing behaviour of barley from different origins
Dr Linda Lin
Tsingtao Brewery Co, China

2.00pm Malt attenuation - An Australian brewers perspective
Dr Mark Goldsmith
Foster's Group, Australia

2.20pm Predicting fermentability from DP enzyme levels
Dr Evan Evans
University of Tasmania, Australia

2.40pm High through-put genotyping of barley for variety identification
Julie Pattemore
Southern Cross University, Australia

3.00pm Afternoon Tea Break with viewing of posters

SESSION 7 – Improving Barley

3.30pm **KEYNOTE ADDRESS**

Barley genomics and its impact on barley breeding
Dr Robbie Waugh
Genome Dynamics, UK
 sponsored by **Agricultural Research Western Australia**

4.10pm Genetic control of heading date in spring barley
Dr Rodger Boyd
University of Western Australia

4.30pm Genomic approaches to analysis of genetic adaptation to climate in barley
Prof Robert Henry
Centre for Plant Conservation Genetics, Australia

4.50pm Application of pedigree-based genome mapping in the northern region barley breeding program
Dr Emma Mace
Barley Breeding Australia - North Node

5.20pm **NOTIFICATION IBGS**
 Egypt 2008 & China 2012

5.25pm Close of Sessions

5.30pm **AGM** ABTS Inc.

7.00pm **'COOPERS' PRE-DINNER DRINKS**

7.45pm **'GALA DINNER'** – At Her Majesty's Pleasure - sponsored by **Joe White Maltings Pty Ltd**

WEDNESDAY 29 AUGUST 2007

8.30am Registration

SESSION 8 – Growing Barley

8.45am Opening of Sessions

8.50am Replacing Schooner in New South Wales
Dr Neil Fettell
*Department of Primary Industries, NSW*9.10am Managing grain protein levels using nitrogen
fertiliser
Andrea Hills
*Department of Agriculture & Food, WA*9.30am Managing grain protein levels using genetics
Dr Livinus Emebiri
*Department of Primary Industries, VIC*9.50am Using on-farm research to refine management
guidelines
Jeff Russell
*Department of Agriculture & Food, WA*10.10am Communicating barley information to industry
Mary Raynes and Kim McIntyre
Department of Primary Industries, VIC

10.30am Morning Tea Break with viewing of posters

SESSION 9 – Landscape and Climate Change11.00am **INVITED**
Climate change and barley production –
East Australian perspective
Prof Peter Grace
*Queensland University of Technology, QLD*11.30am **INVITED**
Potential impacts of climate change on barley
and wheat
Dr Ian Foster
*Department of Agriculture & Food, WA*12.00pm **INVITED**
Seasonal variability and barley management
Dr Doug Abrecht
Department of Agriculture & Food, WA

12.30pm Lunch Break and viewing of Industry Exhibition

SESSION 10 – Deregulation of the Supply and Demand Chain1.30pm **INVITED**
Implications of WTO negotiations on barley
trading
Ingrid Richardson
Rabobank, Australia2.00pm **INVITED**
Deregulation of barley importation into Japan and
how it will impact on the Australian industry
Koichi Tojo
*Riverina Australia, QLD*2.30pm **INVITED**
Deregulation of barley marketing in Australia and
its impact on farmers
Dr David Bowran
Department of Agriculture & Food, WA

3.00pm Afternoon Tea Break with viewing of posters

SESSION 11 – Southern Hemisphere - Food Bowl for the North?3.30pm **INVITED**
The case for growing malting barley
Neil Wandel
*Esperance Region Farmer, WA*4.00pm **INVITED**
China past & future demand for malt and
malting barley
Yebin Li
China National Cereals
*Oils & Foodstuffs Imp. & Exp. Corp., China*4.30pm **INVITED**
Future opportunities for malting and brewing in
South-East Asia
Dr Nguyen Van Viet
Ministry of Industry
Hanoi Beer, Alcohol & Beverage, Vietnam
sponsored by **Joe White Maltings Pty Ltd**5.00pm **INVITED**
Australian barley: The journey continues
Dr Andrew Crane
*Grain Pool Pty Ltd, Australia*5.20pm **Invitation to the 14th Australian Barley
Technical Symposium**

5.30pm Close of Sessions

6.30pm **'FOSTER'S FINALE' incorporating the
'AUSTRALIAN BARLEY AWARDS'**