

Grain Storage and Biosecurity

A professional development training program for supervisors and operators in grain storage

ABOUT THE PROGRAM

Increasing competition in domestic and international marketing of grains and grain products demand that grain handlers and processors keep up to date with modern technology and best practice. Organised, structured training of practitioners throughout the grains industry is the most cost-effective way of ensuring that best practice is adopted and markets are protected in a deregulated industry.

This Grain Storage and Biosecurity Course has been developed in conjunction with the grains industry and the Cooperative Research Centre for National Plant Biosecurity. It builds on the Grain Quality Protection Industry Course which has been offered since 1990.

The course comprises **two components**:

1. Guided self paced home study of underpinning theory and knowledge, delivered on-line through the Internet.
2. A 3 day workshop at CSU's Wagga Wagga campus covering discussions and key skills.

The course is broad in its coverage of all aspects of preservation of grain quality during storage, transport and marketing.

Major topics include:

- Overview of Australia's grains industry: size; organisation; marketing; Codes of Practice
- Dimensions of grain quality: industry standards; quality parameters; contaminants
- Grain storage: storage structures; behaviour of grain in storage; infestation by insects, rodents, birds and snails
- Managing grain in storage: risk management; grain biosecurity; integrated pest management; storage hygiene; inspection, detection and reporting new pests; aeration; commodity specific management issues
- Pest control: pesticides; fumigants; resistance management
- Grain handling operations: grain processing; record keeping; worker safety; environmental stewardship.

WHO SHOULD ATTEND?

The course is broadly aimed at middle level management/supervisors and operators involved principally in: bulk-grain handling; grain merchandising; stock feeds manufacturing; brewing; milling; general rural merchandising; and grain storage. The course is also of relevance to grain transporters, advisers/consultants, marketers and re-sellers of grain protectants and fumigants.

MAIN BENEFITS

Employer's support of this course represents an investment in the professional development of their staff. Rewards will be evidenced by a more competent and adaptable workforce leading to more cost-effective operations, greater competitiveness and higher profits. Employees benefit in terms of potential for promotion, workplace satisfaction, employment and further education opportunities as well as a more professional approach to their duties. A skilled workforce will help protect the grains industry.

AWARD AND ITS RECOGNITION

Participants who successfully complete the assessment tasks **plus** the assumed knowledge and skills covered in accredited farm chemical user training programs (ChemCert, SmartTRAIN or equivalent) will have met the requirements for the National Competency Standard: **AHCBAC406A Maintain grain quality in storage**. This competency standard covers the processes of assessing and maintaining hygiene in grain storage areas as well as monitoring the grain for deterioration of pests and contaminants and defines the standard required to:

- Implement pre-determined integrated pest management strategies
- Monitor and maintain hygiene
- Monitor and control pests and contaminants
- Investigate and recommend options for technology, systems or practices that will improve grain quality

CSU Training will award a *Statement of Attainment* against this unit when successfully completed by the applicant. This will be a nationally recognised qualification. Applicants who do not complete all assessments will be awarded a *Certificate of Attendance*. Participants without the required chemical certification may wish to enrol in an optional training course that will take place immediately prior to the workshop. Alternatively, participants may make their own arrangements for the required training.

MAIN CONTRIBUTORS

- Dr Paul Weston and Assoc. Prof. John Kent, Charles Sturt University.
- Dr Joanne Holloway, Entomologist, I&I NSW, Wagga Agricultural Institute.
- Mr Gerard McMullen, Grain Storage Industry consultant.
- Industry experts

COURSE REQUIREMENTS

1. HOME/WORKPLACE STUDY

Upon enrolment, participants are given password protected access to the on-line training materials. Participants will need access to a broadband internet connection. Participants will be able to communicate with the course co-ordinator and other participants by email, telephone and an on-line discussion forum.

On completion of each module, participants are required to undertake and submit assessments.

The home/workplace study component deals with the theory and knowledge of the grains industry, biosecurity, marketing and preservation of grain quality, and how this knowledge is applied to sound work practices.

2. WORKSHOP

The second part of the course focuses on key "hands-on" skills under expert instruction at a three-day workshop held at Charles Sturt University (CSU) Wagga Wagga. Instructor-led discussions and demonstrations include:

- Marketing and grain quality management
- Biosecurity and risk management
- Emergency management
- Grain insect pest and grain defect identification
- Inspection, detection, monitoring and sampling
- Integrated pest management
- Correct use of pesticides
- Fumigation

KEY DATES and REGISTRATION

Registration and commencement of home study: Enrolments close **January 31, 2012**

- *Early registration assists greatly in organisation for the course and allowing sufficient time for study before the workshop*
- *Late applications will be considered and arrangements made for late submission of assignments for assessment.*
- *Home/workplace study commences as soon as enrolments are accepted.*
- *A number of assessments must be completed before attending the workshop.*

Workshop: **12 noon Wednesday 11 April to midday Friday 13 April, 2012**

The workshop commences with a compulsory course welcome lunch and orientation session on Wednesday 11 April in Wagga Wagga. Details will be advised via the on-line forum.

Chemical certification training: **12 noon Tuesday 10 April to midday Wednesday 11 April 2012** (optional)

To register: Please complete and return the attached Registration Form.

FURTHER INFORMATION

Registration enquiries and return of registration form:

Ms Kamala Anggamuthu
School of Agricultural and Wine Sciences
Charles Sturt University
Locked Bag 588, Wagga Wagga NSW 2678
Ph 02 6933 2420
Email kanggamuthu@csu.edu.au

For further information on course content and delivery:

Dr Paul Weston
School of Agricultural and Wine Sciences
Charles Sturt University
Locked Bag 588, Wagga Wagga NSW 2678
Ph 02 6933 4815
Email pweston@csu.edu.au

Please pass this brochure on to others who may be interested

This brochure is intended as a general guide. Information is current as at December 2011.
The University reserves the right to alter or cancel any course or postpone the workshop if insufficient applications are received.

Grain Storage & Biosecurity Course 2012 - Registration Form

I wish to enrol in the 2012 Grain Storage and Biosecurity Course. Closing date for registration is **January 31, 2012**
Late applications will be considered and arrangements made for late submission of assignments.

Surname:		First Name:	
Organisation:			
Postal Address for correspondence and despatch of study materials:			
			Postcode:
Phone B/H:	E-Mail:		

Course Cost - \$2,000 (no GST applies)

The course fee covers: Study materials, administration and workshop. The cost of accommodation during the workshop is the responsibility of participants. If enrolling in the optional chemical certification, tick the box below and add \$150 to the registration fee.

Total registration fees: Training course (\$2,000) + <input type="checkbox"/> Optional chemical certification (\$150) = \$ _____
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Accommodation for Workshop

An accommodation package deal (bed and breakfast) will be arranged at a motel in Wagga Wagga. Accommodation can be reserved using this form. Do not contact the motel direct. Payment is to be made to the motel on checkout. *Note:* This motel will be the pick up point for transport to the University for workshop sessions. Costs will be notified as soon as possible.

<i>Please book accommodation for me:</i>	Number of nights:	First night:	Last night:
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or

<i>I wish to make my own accommodation arrangements</i>

Payment for Course

Either

<i>I enclose cheque/money order for:</i>	\$ _____	(made payable to Charles Sturt University)
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Or

<i>Please debit my credit card</i>	Master card <input type="checkbox"/>	Visa <input type="checkbox"/>	Amount: \$ _____
Card no	_____	_____	Expiry Date: _____
Cardholder's name:	_____	Cardholder's Signature:	_____

Or

<i>Please invoice me at this postal address</i>		
	Postcode: _____	

Refund and Privacy Policies

If there are insufficient numbers for the course, applicants will receive a full refund. If you cancel your registration, refunds will only be made where the written request for withdrawal is received on or before **Friday 30 March, 2012**, less an administration/cancellation fee of \$50. Requests for refund after this date will not be considered.

Personal details will not be published, but participants often request a list of delegates. **I agree** to have my name included on a **Network Contact List** for distribution to delegates. The list will only contain the following information; *name, employer and business phone number.*

YES <input type="checkbox"/>	NO <input type="checkbox"/>	I accept these policies Signature _____	Date _____
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Send completed application form with your payment to:

Kamala Anggamuthu
School of Agricultural and Wine Sciences
Charles Sturt University, Locked Bag 588, Wagga Wagga NSW 2678
Telephone: (02) 6933 2420 Email: kanggamuthu@csu.edu.au