

AgChem Conference

Chemical Safety, Dangerous Goods and How to Comply with the Globally Harmonised System (GHS)

Workshop Presenter:

CRAIG WATT

General Manager
Chem-Safe Australia
Globally Harmonised System (GHS)
Compliance and Chemical Safety Specialist



WHAT YOU WILL GAIN FROM THIS CONFERENCE:

- Hear a detailed overview of the United Nations Globally Harmonised System of classification, labelling and safety data sheets
- Learn specifically how the GHS will impact chemicals used in agriculture
- Understand key agrochemical products and GHS classification changes
- Grasp the range of risks that may eventuate as a result of the storage of hazardous chemicals used in agriculture
- Learn how to minimise the possibility of off-target spray drift when applying pesticides
- Understand the key requirements for road transport of agrochemicals in Australia
- Appreciate the Herbert Sugarcane industry case study and how their strategies are helping to improve water quality outcomes in the Great Barrier Reef
- Understand the importance of quality control of final agricultural chemical products
- Learn about a new method of herbicide application that reduces the amount of potentially harmful residual herbicides entering the Great Barrier Reef Lagoon
- Network with experienced experts and your industry peers
- Listen to local and global case studies from industry
- No sales pitches – non-commercial presentations

WHO SHOULD ATTEND:

- Agricultural and agrochemicals specialists
- Agronomists and farming professionals
- Chemical engineers and managers
- Occupational Health and Safety (OH&S) and Workplace Health and Safety (WHS) managers
- Dangerous goods and hazardous substances managers
- Compliance, legislation and regulation specialists
- Major rural hazard facilities employees
- Emergency response workers
- Veterinary and aquaculture/fisheries specialists
- Senior regulatory scientists, laboratory technicians and research chemists
- Manufacturers of agricultural chemicals in Australia
- Rural supplies, logistics, factory and warehouse managers
- Supply chain professionals who handle, transport or store rural supplies
- Operators, supervisors and management who are responsible for the classification, labelling and management of agricultural chemicals in Australia.

Proudly
Sponsored
by:



Education Partner:



FOR MORE INFORMATION

Ph: 1300 138 522
conferences@idc-online.com
or www.idc-online.com

Presented by:



Technology Training that Works
AUSTRALIA • CANADA • INDIA • IRELAND • MALAYSIA
NEW ZEALAND • POLAND • SINGAPORE • SOUTH AFRICA
UNITED KINGDOM • UNITED STATES • VIETNAM

Introduction to the AgChem Conference

The goal of this conference is to improve chemical safety management in agriculture with focus on pesticides such as herbicides, insecticides and fungicides as well as the chemicals used in aquaculture and the veterinary industry. The use of the agricultural chemicals is regulated, so it's important that everyone understand their responsibilities when using these chemical products. The conference will also cover the storage, handling and transport of dangerous goods in agriculture and the newly adopted Globally Harmonised System (GHS) of labelling and packaging chemicals in Australia.

The GHS is a United Nations created system for the classification, labelling and safety data sheets (SDS) of chemicals on a global basis. The GHS was accepted worldwide in 2012 and as of the 31st December 2016, all workplace chemicals in Australia (excluding VIC and WA) must be classified according to the GHS and labels and SDS must be updated. You might be asking, how will the introduction of the GHS affect me? The USA has also changed to the GHS format in 2013 and Europe in 2014. This affects Australia as many of our chemicals originate from these continents and we are now starting to see these new GHS symbols, diamonds and revised SDS structure on these products. The new GHS system will change the risk profile of our chemicals; therefore rural business operators need to be

aware of the changes to protect their employees from hazardous conditions and prevent negative health affects.

This conference will explore the variety of updates the introduction of the GHS will have on your business and offer best practice when dealing with your dangerous goods. Anyone working with agricultural chemicals has a duty of care; a responsibility to carry out their tasks in a manner which will not cause harm or injury to themselves, other people, their property, animals or the environment. This event will ensure that you stay legally compliant with the Australian and international law and regulations.

All conference papers are reviewed and selected for their high quality and technical value by our panel of specialists experienced in the theory and practice of AgChem.

Sponsorship Opportunities

Representing your business at the AgChem Conference in 2017 will provide you the opportunity to reach key decision makers from a multitude of industries. For more information on sponsorship and exhibition opportunities please contact Sarah Montgomery via email conferences@idc-online.com

CONFERENCE PROGRAM – 14th March 2017

8.00am	Registration
8.20am	Opening Address
8.30am	MORNING WORKSHOP
Session 1	GHS AND AGRICULTURE – Understanding the Impact of the GHS System in AgVet Chemicals
WORK SHOP	 Craig Watt – General Manager, Chem-Safe Australia Craig Watt, General Manager of Chem-Safe Australia Pty Ltd will present a detailed overview of the United Nations Globally Harmonised System of classification, labelling and safety data sheets which will be mandatory in Australia from January 1st 2017. He will specifically review how this impacts chemicals used in agriculture and provide a training workshop session of 90 minutes to help develop a key understanding in this area. He will specifically cover the following topics: <ul style="list-style-type: none">• GHS and United Nations objectives• Global implementation update• Australian GHS timeline• AGVET flexibilities• GHS pictograms and what they mean• Identifying severe health hazards and managing those in Agriculture• Hazard and precautionary statements on labels• What does a GHS compliant SDS look like – the format and content• The GHS relationship with dangerous goods – storage and handling regulations• How do we label chemicals for transport?• Key WHS requirements for GHS in Australia• Environmental hazards• Key agrochemical products and GHS classification changes• Glyphosate under GHS – carcinogen?• Risk assessments under GHS and obligations• Training requirements <i>EXTRAS: This training course includes a 50 page glossy training manual, with posters and handouts that can be used to understand the key components of the GHS. An official training certificate will be issued to each workshop attendee.</i>
	Morning Tea – 10.00am

10.30am	AgChem Storage: Work Health and Safety Obligations	
Session 2	Dr Frank Mendham – MEng PhD MAIDGC RPEQ, Director - Blackie Mendham, Industrial Fire and Risk Engineering A range of risks may eventuate as a result of the storage of hazardous chemicals used in agriculture, some of which include: <ul style="list-style-type: none">• Injury or fatality resulting from potentially explosive or flammable atmosphere• Injury or fatality resulting from uncontrolled reactions between incompatible hazardous chemicals• Physiological effects resulting from exposure to contaminants with the potential to cause injury or fatality• Life safety, health and environmental effects as a result of loss of containment of hazardous chemicals Duty holders, such as persons conducting a business or undertaking (PCBUs) must exercise due diligence in their obligations for managing the risk of hazardous chemicals in the workplace. The responsibilities outlined in the WHS Regulation (Qld) 2011 and related codes of practice, require PCBUs to provide properly designed hazardous chemicals storage facilities that achieve for all people involved, the highest level of health and safety protection from hazards arising from work, so far as is reasonably practicable. This paper addresses a number of common, but not always well understood Work Health and Safety legislative requirements relating to the management of risks associated with the storage and handling of hazardous chemicals, as typically used in the rural setting.	
11.15am	Spray Drift – What It Is and How We Can Avoid It	
Session 3	Reg Kidd – Chairman - AgVet Chemical Taskforce, National Farmers' Federation It is a constant challenge for the agricultural industry to minimise the possibility of off-target spray drift when applying pesticides. It is crucial to ensure that spray drift does not harm the Australian community, the Australian wildlife or Australia's trade. Ideally, a chemical product is only applied to the intended target area. However, spray-drift can occur even when the product is applied with care. To decrease off-target spray drift and to avoid it altogether in sensitive environmental areas, it is crucial to train farmers in understanding wind speed, wind direction and surface temperature inversion when applying agvet chemicals. Here, Reg will share his 30 year long journey developing a training course for farmers to address the crucial issue of spray-drift.	

REGISTER NOW:

Phone:
1300 138 522

Email:
conferences@idc-online.com

Online:
www.idc-online.com



CONFERENCE PROGRAM CONT. – 14th March 2017

Lunch – 12.00pm

1.00pm AFTERNOON WORKSHOP

Session 4
DANGEROUS GOODS TRANSPORT AND AGROCHEMICALS – Understanding Regulatory Requirements for the Transport of Ag Chems



Craig Watt – General Manager, Chem-Safe Australia

In this workshop Craig will present all the key requirements of the transport of chemicals in Australia by road – specifically the requirements for dangerous goods and agrochemicals. He will cover the transportation of IBC's, packages and bulk and will review when dangerous goods licensing is required, vehicle placarding, emergency equipment and dangerous goods segregation on vehicles. He will also provide guidance alongside the Australian Dangerous Goods Code (version 7.4) and specific state requirements in Australia.

Given the introduction of the new GHS system for labelling for hazardous chemicals in Australia from January 2017 he will also provide guidance on labelling that meets both the requirements of the WHS Regulations and the Australian Dangerous Goods Code.

The 90 minute session will cover all the key aspects with an inter-active workshop for everyone to participate in so they understand the key requirements for road transport of agrochemicals in Australia. Topics covered will include:

- Driver and vehicle licensing requirements
- State variations in regulations
- Placard loads and their requirements
- Bulk vs packed transport
- Dangerous goods labelling requirements
- UN approved packaging
- Dangerous goods and GHS – inner vs outer packaging markings
- IBC labelling and emergency information panels
- HB76 and emergency response
- Transport documentations
- Vehicle safety equipment
- Placards and mixed loads of dangerous goods
- Minor quantity requirements
- Emergency information requirements

Afternoon Tea – 2.30pm

3.00pm
Session 5
The Use of Targeted Extension Strategies to Improve Water Quality Outcomes in the Herbert Sugarcane Industry



Lawrence Di Bella – Herbert Cane Productivity Services Limited (HCPSL), Ingham

CASE STUDY

The Herbert sugarcane industry sought to obtain a better understanding of its impact on the quality of water entering the Great Barrier Reef (GBR) and also the relative pollutant contributions from the other main land uses in the Herbert catchment. The Herbert Water Quality Monitoring Program (HWQMP) commenced in July 2011 and monitored water quality for 3 years in the Herbert catchment. An extension strategy was developed as part of HWQMP, with linkages to other projects allowing the sugarcane industry to assess its impacts from the cane block to the inner reefs of the GBR. The data generated by the HWQMP allowed the Herbert sugar industry to identify and proactively manage priority environmental issues like pesticide runoff. These projects informed sugarcane growers of what farm practices would lead to improvements in water quality, while not jeopardising industry viability. The HWQMP and associated extension

effort has been successful in building industry capacity to manage issues identified by the water quality monitoring, whilst achieving positive change leading to improved water quality. The approach adopted by the HWQMP has shown that a sound, scientifically based extension approach can lead to significant environmental change without compromising long term industry viability.

Contributing authors: Dominique O'Brien - James Cook University - Tropwater, Townsville; Michael Nash - Terrain NRM, Ingham; Carla Wegscheidl - Queensland Department of Agriculture, Fisheries and Forestry, Townsville.

3.45pm
Session 6
Quality Control of Final Agricultural Chemical Products



Krisztina Lozsi – Quality Control Chemist & Technical Assessor, National Association of Testing Authorities

Do we appreciate the quality control of our final product enough? Choosing the right tests to determine our final product quality of agricultural chemicals will improve the products commercial value, shelf life and safe storage. Here in Australia the temperature can vary greatly. Knowing the final products main characteristics can help to fine-tune the process of manufacture and design safer storage and transport facilities and procedures. This presentation will cover the importance of creating a correct Certificate of Analysis and how this will benefit the main stakeholders including the customer, manufacturer, transport company and all in the chain of custody.

4.30pm
Session 7
Non Shielded Dual Herbicide Spray Technology in Sugar Cane



Allan Blair – Department of Agriculture, Forestry and Fisheries Queensland

CASE STUDY

In 2009 the Queensland Government introduced a suite of environmental regulations aimed at reducing the amount of herbicides, fertilizers and sediment entering the Great Barrier Reef Lagoon. Staff from the Queensland Department of Employment, Economic Development and Innovation (DEEDI) conducted spray drift management workshops throughout the Wet Tropics region of Far North Queensland. Growers attending asked if it was possible to design a spray system for existing "Irvin Type" booms that could apply Glyphosate to the inter row of sugar cane using air induction nozzles, eliminating the need for shields or hoods. Growers felt that this would assist them to comply with the new regulations as well as reduce residual herbicide use generally.

Early design and static testing commenced at the Department of Agriculture Fisheries and Forestry Centre for Wet Tropics Agriculture at South Johnstone in October 2010. Various combinations of spray nozzles and spray bar angles were tested. Prototype engineering drawings were also completed. No evidence of Glyphosate toxicity to sugar cane was detected in replicated trials using the "Dual Herbicide Sprayer" in the 2012-2013 growing season. This case study will discuss these past trials and early data from a new series of trials using various combinations of Non PSII herbicides applied to the row and either Glyphosate or Glufosinate ammonium applied to the inter row.

Contributing authors: Jack Robertson & Carole Wright - Department of Agriculture, Forestry and Fisheries Queensland and Iain Blair - Aeronautical Engineer, Melbourne.

Closing – 5.15pm



Networking Session – 5.15pm to 6.15pm

An hour dedicated for all attendees to meet and socialise with experts and industry peers at the AgChem Conference Networking Drinks.

WORKSHOP PRESENTER: CRAIG WATT

General Manager, Chem-Safe Australia
Globally Harmonised System (GHS) Compliance and
Chemical Safety Specialist



Craig graduated from Sheffield University in the UK with a degree in business studies and joined Dutch chemical company Univar on their European graduate management programme – becoming general manager of their major hazard facilities in London and Widnes. After 10 years with Univar he became a regional director for German chemical company Brenntag, the world's largest chemical logistics company with 500+ sites globally. Craig was responsible for five major hazard facilities in Europe. Craig migrated to Perth in 2008 and set up Chem-Safe Australia Pty Ltd with government sponsorship in 2009 providing nationally accredited training and consultancy in hazardous substances, GHS and dangerous goods.



REGISTRATION FORM:

AGCHEM CONFERENCE

14th March 2017 – Oakwood Hotel & Apartments Brisbane, Australia
Simply complete this registration form online or return by email

1. DELEGATE DETAILS

Contact: _____ Company Name: _____
Company Address: _____
Suburb: _____ State: _____ Post Code: _____ Phone: _____
Admin/Accounts Payable Email: _____

ATTENDEES:	1	Mr/Ms: _____	Job Title: _____
		Email: _____	
	2	Mr/Ms: _____	Job Title: _____
		Email: _____	
	3	Mr/Ms: _____	Job Title: _____
		Email: _____	

2. HOW DID YOU HEAR ABOUT THIS EVENT?

Received an email from IDC Received a brochure in the mail Searched online (Google, Yahoo etc)
 Recommended by a friend/colleague Magazine advertisement/insert (please specify which magazine below)
 Other (please specify) _____

3. REGISTRATION & PAYMENT DETAILS

Prices shown are inclusive of GST

AGCHEM CONFERENCE – 14TH MARCH 2017

OPTION 1: Early Bird Discount 10% OFF
– Book on or before 14th February (SAVE \$90) \$810 x _____ delegates = \$ _____

OPTION 2: Standard Rate (NO Early Bird Discount)
– Book after 14th February \$900 x _____ delegates = \$ _____

OPTION 3: 3 for 2 Offer AND Early Bird Discount
– Book on or before 14th February (SAVE \$1080) 3 delegates: 2 x \$810 = \$1620 = \$ _____

OPTION 4: 3 for 2 Offer Standard Rate (NO Early Bird)
– Book after 14th February (SAVE \$900) 3 delegates: 2 x \$900 = \$1800 = \$ _____

Corporate Packages available upon request

TOTAL DUE = \$ _____

PLEASE NOTE: Full payment is required prior to the commencement of the conference.

I wish to pay by: EFT Direct Deposit Company Purchase Order Number: _____

Please charge my: Mastercard VISA _____

CARDHOLDER'S NAME: _____ CARDHOLDER'S SIGNATURE: _____ EXPIRY DATE: _____ / _____

On the reverse of your card, is a security number. In order to authorise your card transaction, we require the last 3 digits: _____

If the Cardholder's address is not the same as shown above please tick this box:

EARLY BIRD OFFER:

10% off the conference fee for registrations received on or before 14th February 2017
– SAVE \$90

AND
/OR

3 FOR 2 OFFER:

Register 3 delegates and only pay for 2
– SAVE UP TO \$900

GENERAL INFORMATION

Confirmation Details

A confirmation email and invoice will be sent to delegates within 3 days of receiving the registration.

Cancellation Policy

A fee of 20% cancellation will apply for cancellations received 7 – 14 days prior to the start date of the conference. Cancellations received less than 7 days prior to the start date of the conference are not refundable, however substitutes are welcome.

Venue

Oakwood Hotel & Apartments
15 Ivory Lane, Brisbane
QLD 4000, AUSTRALIA
Phone: (07) 3218 5800

Accommodation

The conference venue has accommodation available. Contact directly on (07) 3218 5800 and mention the conference when booking and receive the best room rate available.

Food and Beverages

All lunches, morning and afternoon refreshments are included.

Unable to Attend

If you are unable to attend the full conference program, contact us for details to attend individual sessions, or to purchase the Conference Resource Kit.

Enquiries

1300 138 522
conferences@idc-online.com

REGISTRATIONS

By Email:
conferences@idc-online.com

Online:
www.idc-online.com

By Phone:
1300 138 522

By Mail:
IDC Technologies
PO Box 1093
West Perth WA 6872