





Safe Work Month 2023

# Sowing the safety seeds agricultural safety forum

Wednesday, 18 October 2023









#### **Andrew Ballam**

General Manager Regulatory Training and Business Service

Department of Mines Industry Regulation and Safety





















# Housekeeping





**Mobile phones** off or silent please



**Restrooms** 



**Smoking notice**: This venue is a smoke-free venue



This forum is being filmed and photography will take place

In the event of an emergency, please follow the directions of Mantra staff

### **Event program**

The event program can be accessed via this QR code or link provided in Webex





# Ask questions using Slido



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#### Welcome address

# Sally North

Acting WorkSafe Commissioner

Department of Mines, Industry Regulations and Safety











# An update -

Independent inquiry into safety in the agricultural sector

# Sally North

Acting WorkSafe Commissioner

Department of Mines, Industry Regulations and Safety



#### **Commencement of Inquiry**

- Work Health and Safety Act 2020 s. 152
  - Function of regulator to investigate and report on matters relating to WHS
- Inquiry called in June 2022 after 12 deaths related to the sector in 12 months
- Independent Inquirer Pamela Scott (former Chief Industrial Relations Commissioner) appointed



### **Conduct of Inquiry**

- 62 submissions received
- Community meetings across state
- Individual meetings (25)
- Literature review



### Report from Inquirer

# **>>>**

#### Recommendations (supported by WorkSafe Commissioner)

- That a specialist Agricultural team of inspectors be established;
- That an advisory service for the sector be established;
- That steps be taken to raise industry awareness of safety with the participation of industry groups, including agricultural industry web pages and utilisation of public events;
- That a suite of codes of practice and guidance notes directed to the Agricultural industry be developed, written as simple "how-to" and "how-not-to" documents; and
- That timely information be given to the industry about the causes of fatalities and serious injuries.

#### Recommendations (noted by WorkSafe Commissioner)

- Industry levy to better fund safety in sector
- Funding support for safety equipment

### Progress in implementing recommendations



Commencement of Agriculture inspectorate team



Establishing an Agriculture Advisory Assistance program



Increasing information/education focus (events)



Dowerin Field Days, Perth Royal Show, Safe Work Month, Women in Farming, plans for upcoming events



- Agricultural Safety Advisory Committee operational
  - Advises the Work Health and Safety Commission
- Guidance material development
- Information on causes of incidents



# Progress in implementing recommendations



- Compliance plan developed
  - Phase 1 Resources



Phase 2 – Education/information content development



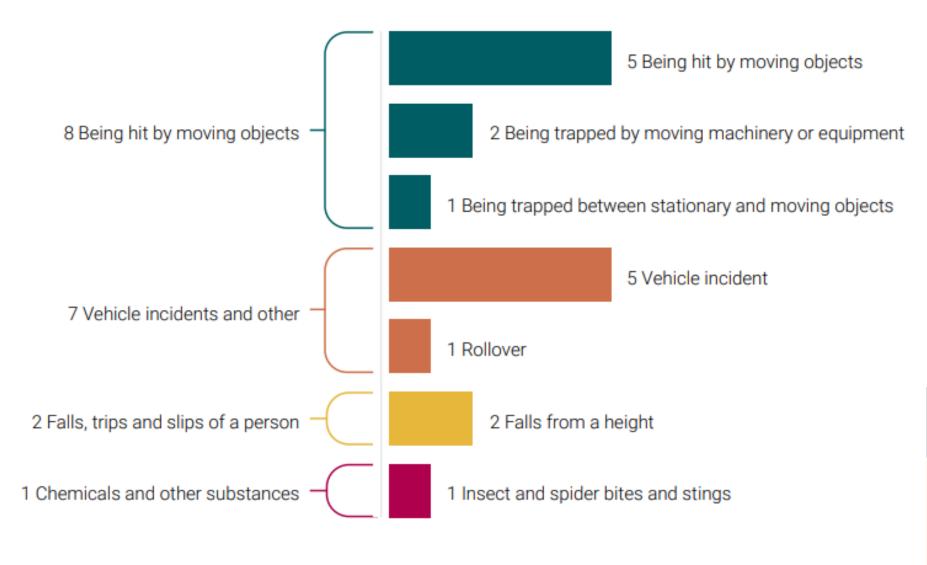
Phase 3 – Education and engagement

- Phase 4 Farm machinery
- Phase 5 Farm inspections
- Phase 6 Feedback
- Phase 7 Review

#### Information on incidents

Chart 3

Work-related fatalities by mechanism major groups and subgroups, 2019–20 to 2021–22



Search 'WorkSafe agriculture fatalities June 2023'





"Each death is a tragedy in itself and in its effect on loved ones, communities and businesses. Each serious injury affects not only the injured person at the time and during their recovery, but often for the rest of their life. It also affects their families, communities and businesses."

- Pamela Scott, Inquiry into the agricultural industry in Western Australia, Report to the WorkSafe Commissioner, March 2023

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# WHS in farming

Presented by Preplan Pty Ltd
Dave Gossage AFSM
0457 323 814





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#### What we are covering

- Understanding the law
- Expectations
- What's out there
- What do you need to do
- What you need to understand

#### Before we start

- How many employed
  - >Full time/part time/casual staff
  - **≻**Contractors
- Who has WHS systems in place?
- Who keeps day today records of what they do when dealing with staff?
- How many have undertaken a farm audit?

### **Understanding the law**

- An Act to make provision about, and in connection with;
  - >the health and safety of workers; and
  - health and safety at workplaces; and
  - risks to health and safety arising from work

 https://www.legislation.wa.gov.au/legislation/statute s.nsf/actsif.html

### **Understanding the law**

- The regulations;
  - ➤ Work Health and Safety (General) Regulations 2022
  - ➤ Work Health and Safety (Mines) Regulations 2022
  - ➤ Work Health and Safety (Petroleum and Geothermal Operations) Regulations 2022
- Farming sits under the "General" regulations

#### **Expectations - in part**

- 34. Duty to identify hazards A duty holder, in managing risks to health and safety, must identify reasonably foreseeable hazards that could give rise to risks to health and safety.
- 35. Managing risks to health and safety A duty holder, in managing risks to health and safety, must —
  - ➤ (a) eliminate risks to health and safety so far as is reasonably practicable; and
  - ➤ (b) if it is not reasonably practicable to eliminate risks to health and safety — minimise those risks so far as is reasonably practicable.

#### **Expectations** – in part

• 36. Hierarchy of control measures



#### **Expectations** – in part

- 37. Maintenance of control measures
- 38. Review of control measures
- 39. Provision of information, trainin and instruction



- How many systems
- What do they offer
- What do they cover
- What suits my farm
- Where do I start

These are not recommendations, just a few examples of hundreds of systems out there - some not relevant to farming



























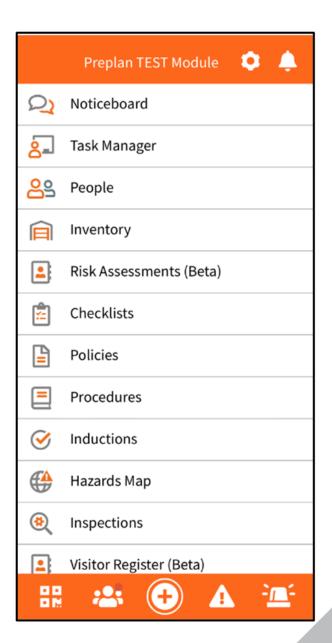














# What's coming?









#### What do you need to do?

- Commit to the journey
- Change culture
- Review what you are doing now?
- > Records
- Documentation capture
- Your business practices
- > Farm Safety Audit
- Understand it never ends

#### What I need to understand

- What WorkSafe and the law expect
- The different parts of the law and what applies to farming
- How often I need to review what I do for my farm?
- > There are no exceptions, you must start the journey
- > I can't buy something off the shelf to tick the box



# Thank you



Dave Gossage AFSM

Email: office@preplan.com.au

Phone: 0457 323 814









#### Pat Roberts

Senior Electrical Inspector

Department of Mines, Industry Regulation and Safety







- Formerly Energy Safety
- State regulator for electricity, gas and plumbing
- Division of DMIRS since 2017

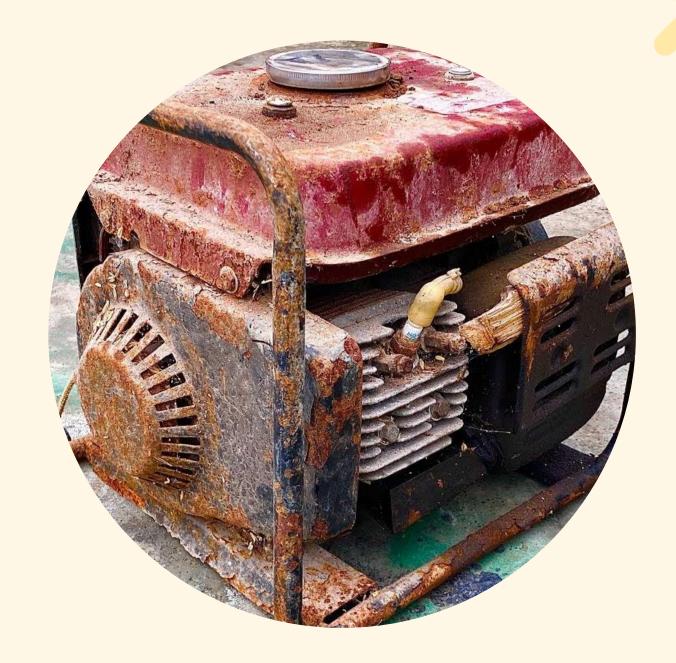




# **Electrical safety**

- Should be part of your overall farm safety system
- Easier than you think
- Common sense driven
- Don't guess, find out

It's a bugger to start but it still runs...



# Portable generators

Not a multi purpose option









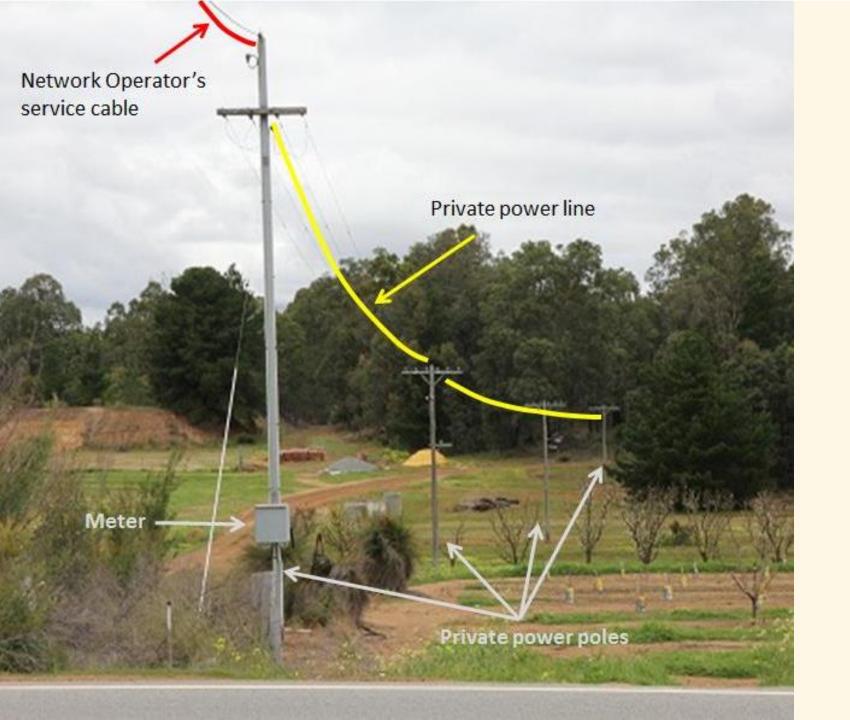


# Inverters and batteries

- High fault current
- Installed in a suitable location

Protection from elements

Mechanical damage





- Private power poles
- Machinery
- Pyrolysis





- Maintenance
- Gaps
- Vermin
- Access







#### Remember .....

You can't see it

You can't hear it

You can't smell it

But you will definitely feel it







### **Morning SafeTea**

Next session commences at 11:35am

Holly Freeman

**Executive Officer** 

SafeFarms WA



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# SAFE & WORK & MONTH &

# So, where do I start?

### Holly Freeman

Executive Officer,

SafeFarms WA





#### Disclaimer



#### GENERAL UNDERTAKINGS OF ORGANISATION

At all times you and your organisation, must duly perform and observe its obligations and responsibilities under the Work, Health and Safety Act 2020, and comply with all State and Commonwealth laws, rules, regulations and by-laws. Check the Work, Health and Safety Act 2020 for more information.

Overview Guide - Western Australia's Work Health and Safety Act 2020 - guide (dmirs.wa.gov.au)

Full Act - https://www.legislation.wa.gov.au/legislation/statutes.nsf/RedirectURL?OpenAgent&query=mrdoc\_43434.pdf

#### LIMITATION OF LIABILITY

SafeFarms WA does not accept any responsibility or liability for the success of otherwise of the implementation of the SafeFarms WA Safety Health Wellbeing Management System (SHWMS). SafeFarms WA is not liable for any losses which may be suffered in undertaking the development and implementation of the SHWMS safety system for your business.

The documents and templates provided by SafeFarms WA are generic information documents which are intended to be distributed to members to assist them with the discharge of their duties in relation to the legislation (ie educational tools). The guides and checklists are not intended to be a policy or procedure that can be called up and adopted by members as your own policy or procedure. The documents have been designed to assist you to develop your own safety management system and do not excuse a person or PCBU (Prescribed Body Corporate Unit) from doing all that is reasonable and practicable to ensure the health, safety and wellbeing of themselves and others. All Safe Farms WA Policies, Inductions, Guides and Checklists have been checked by legal practitioners to align with the Work, Health and Safety Act 2020

Any hazards identified and control measures which are adopted as a result of the educational tools provided by SafeFarms WA must be monitored and reviewed to ensure that they are being implemented and also remain effective. Please ensure you have read and understood the information provided. Ensure your people are inducted and trained in the tasks they perform and that you have deemed them competent to complete the task at hand. You must promptly inform WorkSafe (WA) of any injury which might adversely affect any person's ability to work (including directors, managers, supervisors, workers), in line with the WorkSafe (WA) online reporting procedures. For more information and specific details contact WorkSafe (WA) or visit <a href="https://www.commerce.wa.gov.au">www.commerce.wa.gov.au</a>.

Should you require additional information please don't hesitate to contact SafeFarms WA at <u>admin@safefarms.net.au</u> Please note SafeFarms WA does not offer advice in relation to legislation. You must contact a reputable and qualified legal practitioner for clarification on legal matters. Please contact WorkSafe (WA) direct to make a booking for a free WorkSafe (WA) audit.







1. Complete WorkSafe's Farm Safety Checklist



2. Do inductions with your workers, contractors & visitors



3. Hold a hazard identification session with your team



4. Get your tickets and training up-to-date

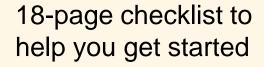
















#### Mobile plant and vehicle movement



Plant is well maintained



Prestart checklists are used



High risk work licences are held



Seat belts are worn



Movement of traffic is managed

□ All tractors are fitted with a roll over protective structure (ROPS) and, in the case of tractors fitted with a front-end loader attachment, a fall on protective structure (FOPS).
 □ Seat belt mounting points are incorporated into the design of the mobile plant and seat belts are fitted and worn by the operators.
 □ A master guard is fitted to the tractor, the power take off (PTO) shaft is guarded and the power input coupling is fitted to all PTO machinery and equipment.
 □ Ensure the manuals (operator's instructions) for mobile plant are available for persons required to operate each item of mobile plant.
 □ Logbooks, maintenance records & pre-operational checks of mobile plant are completed and kept.
 □ Operators have been instructed, trained and assessed as competent to operate the plant or vehicle they are using, and hold any required drivers' licence.





#### Agricultural chemicals (hazardous substances)



A register of hazardous substances is kept



Decanted containers are labelled



Risk assessment has been undertaken



Current certification or similar training is held



Health surveillance is undertaken where organophosphate pesticides are used

#### Register of hazardous substances

- A register of hazardous substances is available and accessible to persons likely to be exposed to hazardous substances including emergency services personnel.
- The register of hazardous substances is complete the register includes a contents list and current Safety Data Sheets (SDS) (also known as Material Safety Data Sheets [MSDS]).
- The register of hazardous substances is current SDS (also known as MSDS) are not older than 5 years.

#### Risk assessment and control

- Risk assessments have been completed for all hazardous substances. When
  conducting a risk assessment, consider how the substance is used, where it is
  stored, if ventilation is required, whether directions in the SDS (MSDS) were
  followed, and what personal protective equipment is used. The risk assessment
  compares the safety advice and how the substance is actually being used.
- A record is made in the hazardous substances register that the assessment has been done.





#### Agricultural bikes and quad bikes The right vehicle Training is Pre-operational for the job is worn maintained provided checklists are selected used A risk assessment has been completed and alternative vehicles have been considered. For example, a side-by-side (two-seater) with a rollover protective structure has more safety features than a quad bike. If quad bikes are used, they are selected with regard to safety information, including stability test outcomes. From October 2021, all new quad bikes must have an operator protection device (OPD). Risk assessments for the use of quad bikes consider engineering controls including fitting an after-market OPD. A helmet [labelled AS/NZS 1698] which fits the rider and substantial footwear are used when riding quad bikes. Maximum speed limits have been established for all areas of the property. Bikes carry loads in accordance with the manufacturer's instructions.







# Inductions | What are they?



An induction is a process where you share accurate and consistent information to help familiarize a worker, contractor, or visitor, with the locations, equipment, materials, processes and tasks they may encounter.

To achieve the best results, inductions should be tailored and targeted.

#### The topics covered typically include:

- Hazards and associated risks
- Policies and procedures
- Communication protocols
- Emergency procedures
- Workplace facilities



# Inductions | FREE Resources





2-page induction



online induction tool



sign-off sheet





# Inductions | FREE Resources



Tick 'YES' if complete OR Not Applicable (N/A)	YES	N/A
<ol> <li>Employee has been provided with a map of the property with all key locations clearly marked. Emergency contact information has been provided including emergency services, local GP, staff mobile numbers and property addressing details.</li> </ol>		
<ol> <li>Employee has been introduced to other staff members, and relevant consultants, contractors, suppliers etc. Time has been allocated for employee to finalise any employment documentation.</li> </ol>		
3. Employee has been made aware of all those who live on the property and any visitor policies that need to be adhered to.		
4. Employee has been given a tour of the property including location of first aid kits, toilets, shower facilities, eyewash station, eating amenities, workshop, chemical shed, machinery sheds, shearing sheds, livestock yards and emergency meeting place.		
5. Employee has been provided safe operating procedures (SOPs) specific to tasks they will be undertaking		
6. Employee has been provided with human resource related policies and terms and conditions of employment that relate to the tasks they will be undertaking. Please ensure that you list the policies that have been provided to your employee as evidence.		







## Inductions | remember to...

• Tailor your induction to your workplace. If you use a generic induction tool, you still need to provide the worker with your specific processes/procedures and conduct a site induction too.

• Ensure you keep good records, and documents are "signed off" by both the employer and employee.











You are assessing and mitigating the risks/hazards

 It is a collaborative process and shows you are communicating with your workers

It is documented



# Hazard Session | Risk Register Example

Hazard Description	Potential Impact	Risk Level (High, Medium, Low)	Action Required (Yes or No)	Mitigation Notes	Date to be Completed	Person Responsi ble
Hazard 1						
Hazard 2						
Hazard 3						
Hazard 4						







#### Complete a Risk Register for:

- 1. The workshop
- 2. Mobile machinery and tractors
- 3. Grain movement & storage
- 4. Livestock handling & movement
- 5. Chemical shed
- 6. Shearing shed





### Hazard Session | remember to...

- Ensure you keep good records.
- Include the names of workers who contributed to each register.
- Ensure the Risk Register is accessible.









# Training & Tickets | What do I need?

Activity	Training or Ticket
Using chemicals	Chemical management course such as <b>AusChem</b> *not a requirement in WA
Driving a forklift	Forklift Ticket
Working in or on silos	Working at Heights and Working in Confined Spaces License
Moving oversized vehicles on public roads	Pilot Vehicle License





# Training & Tickets | remember to...

• Ensure you keep good records, and all training is "signed off" by both the employer and employee.

 Have a copy of any other tickets, licenses, or qualifications you or your workers may have (e.g. driver's licence or trade certificates).



# Wrap-Up





1. Complete WorkSafe's Farm Safety Checklist



2. Do inductions with your workers, contractors & visitors



3. Hold a hazard identification session with your team



4. Get your tickets and training up-to-date



SafeFarms WA is an independent not-for-profit organisation founded for farmers by farmers. Since 1994, we have supported West Australian farmers to work towards compliance, increase their productivity, and reduce workplace accidents.







0402 611 290

info@safefarms.net.au @

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#### **Holly Freeman**

Executive Officer, SafeFarms WA 0484 302 847 eo@safefarms.net.au





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### Partnering for safety

The CBH road transport experience

### Tim Manning

Head of Health, Safety and Environment CBH Group



#### **CBH Group overview**

**>>>** 

CBH operates across the grain value chain from fertiliser to storage, handling, transport, marketing and processing



~3,500 membersestablished in1933 by WA grain growers



1,200 employees

plus ~2,000
casuals during
harvest



capital expenditure & maintenance spend in last 5 years

+\$1 billion



16.7 million tonnes
exported in FY22
largest grain exporter
in Australia



~**\$9 billion**annual grain export
value

#### The CBH network stops without trucks

- In 2023, over 7 million tonnes have moved around the CBH network via road
  - This equates to over 10.5 million km's travelled
- We see ~250 trucks involved in the CBH network on a daily basis and up to 400 at our peak
- 6 Primary contractors but many sub-contractors



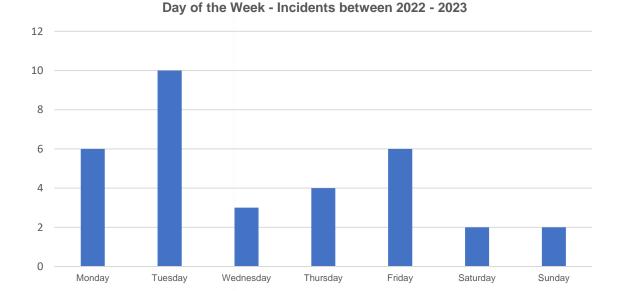
### Record harvests have also delivered other records

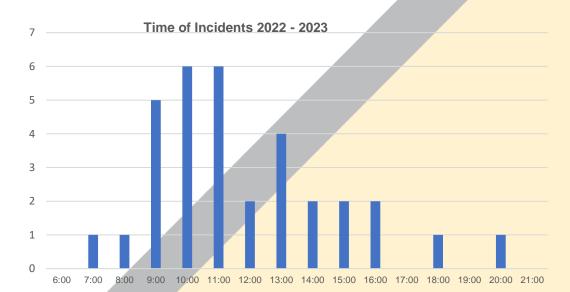
- Since January 2022
  - 30+ truck and/or trailer roll overs on public roads
- Combined with COVID and a bigger task from the record harvests, the experience levels have dramatically changed
  - COVID changed how traffic flows around the state
  - COVID changed



#### What contributes most?

- Based on the day of the week and the time of the day, fatigue appears to not be the main contributor.
- Work was undertaken in the last 2 years to streamline the road task to attract more drivers into the network (meaning shorter hauls)
- Most CBH sites outload between 7am & 5pm, 6 days per week





#### Other drivers

- COVID and lockdown contributed heavily to changing the behaviours of the general public
  - More people staying in WA
  - More caravans
  - More people on regional WA roads

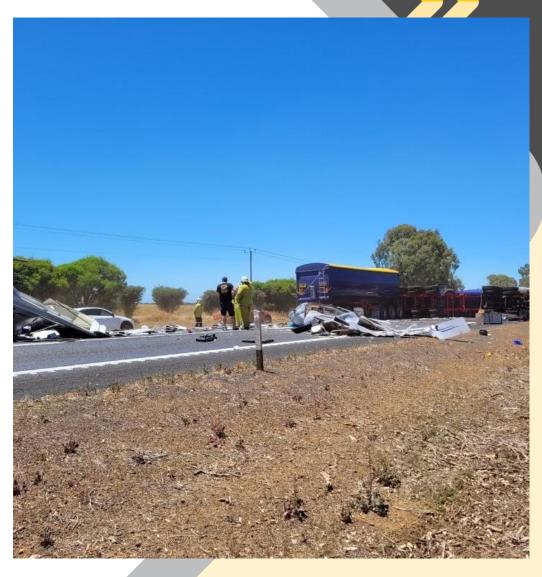


Image: Mt Barker – Caravan collided with truck (Albany Port Zone)

#### Different equipment

- With a peak of 400+ trucks on the road each day, there were a number of instances where equipment problems presented:
  - Faulty tailgates / no pressure bars
  - Ram/hoist failures
  - Ring feeder failures

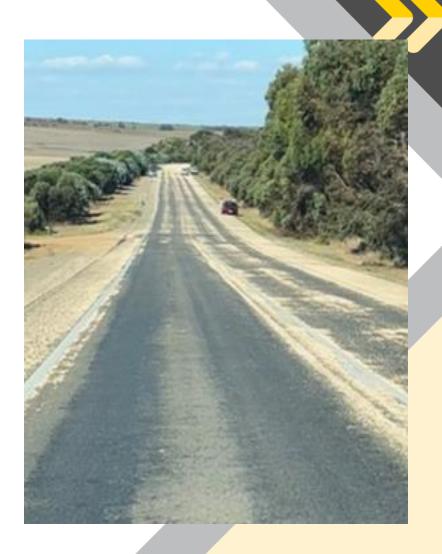


Image: Brand Highway – Lupin Loss of Containment (Geraldton Port Zone)

#### **Road conditions**

- Road conditions across the state presented significant challenges
- A number of our principal contractors utilised systems to notify their fleet of changed road conditions





Images: South Coast Highway EX Ravensthorpe – Trailer Rollover (Esperance Port Zone)

#### Driver error and lack of experience

**>>>** 

- With ~400 trucks active in the network at our daily peak, there was a noticeable change in driver competency
- Working with our principal partners, we identified that while some drivers have the qualifications to drive a truck type, they did not always have the experience to combine this with regional WA roads and carrying grain.



Image: Merredin-Narembeen Road LOC (Kwinana Port Zone)

#### The next steps

- With our road transport partners, CBH has agreed on a number of actions to improve safety outcomes
  - Utilising technology
  - Closer subcontractor management
  - More in-field compliance checks
  - Improved scheduling practices
  - Continue to escalate road conditions
  - Continue to educate the public



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## Storage and handling of dangerous goods on farms

Lawry Lim
Principal Dangerous Goods Officer
Department of Mines, Industry Regulation and Safety





#### **Agenda**

- Dangerous goods and hazardous chemicals
- Legislation
- Safety information
- How to store and handle agriculture chemicals safely

#### Dangerous goods classes































## **GHS** hazard classes – hazardous chemicals



Pictogram	Hazard	Pictogram	Hazard	Pictogram	Hazard
	Explosive E.g. TNT		Chronic Health Hazards E.g. Boric acid		Corrosive  E.g. Sodium  metabisulphite
	<b>Flammability</b> E.g. Hydrogen	¥2	Environmental Hazard E.g. Ammonia		Acute Toxicity  E.g. Hydrogen fluoride
	Oxidising  E.g. Sodium  Peroxide		Gases Under Pressure E.g. Butane		Certain Health Hazards  E.g. Nickel (sensitising)

#### Legislation

- Dangerous Goods Safety Act 2004 and Regulations
  - Australian Dangerous Goods Code (ADG 7.8)
  - Specific regulations for rural dangerous goods locations (Regs 123 to 133) – Dangerous Goods Safety (Storage and handling of non-explosives) Regulations 2007
- Work Health and Safety Act 2020 and Regulations
  - Globally Harmonised System (GHS v7)

#### What is a 'rural dangerous goods location'?

#### Rural dangerous goods location means a place —

- (a) that is outside the metropolitan region as defined in the *Planning* and *Development Act 2005* section 4(1); and
- (b) that is outside a townsite as defined in the *Land Administration Act* 1997 section 3(1); and
- (c) that is one or more lots, as defined in the *Planning and Development Act 2005* section 4(1), that are adjoining; and
- (d) that is 5 ha or more; and
- (e) at which dangerous goods used for agricultural, aquacultural, floricultural, horticultural or pastoral purposes are stored or handled but not supplied to others

As defined in the 'Dangerous Goods Safety(Storage and handling of non-explosives) Regulations 2007'



#### Dangerous goods on farms

- Fuel and Flammable gases (e.g. LP Gas, acetylene)
- Pesticides (e.g. 1080, aluminium phosphide fumigant)
- Herbicides (e.g. bipyridilium pesticides)
- Soil treatment chemicals (e.g. Metham sodium)







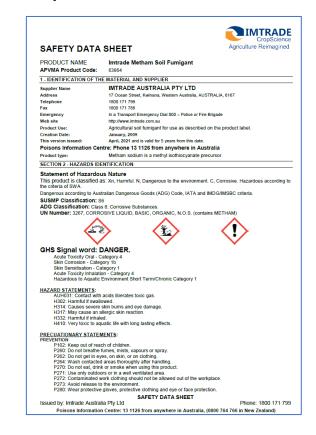




#### Safety information

- Dangerous goods labelling and packaging in good condition
- Safety Data Sheet (SDS)







# What do I need to consider when storing agricultural chemicals on farms?

#### Segregate

- A number of dangerous goods can react dangerously when mixed and have the potential to start a fire or release toxic gases
- Be safe and store these incompatible goods apart

Segregate				
Pool chlorine (solid calcium hypochlorite)	from	Acids (e.g. hydrochloric acid) Oils and fuels		
Bleach (liquid hypochlorite solution)	from	Acids		
Dangerous goods	from	Foodstuff		
Oxygen gas*	from	LP gas*, acetylene*		

<sup>\*</sup>except when in use

#### Security

- Security measures must be in place to prevent unauthorised access to dangerous goods
- Particularly important for highly toxic dangerous goods such as 1080 baits, aluminium phosphide pesticides, as well as other herbicides and pesticides



#### Protect storage areas from impact

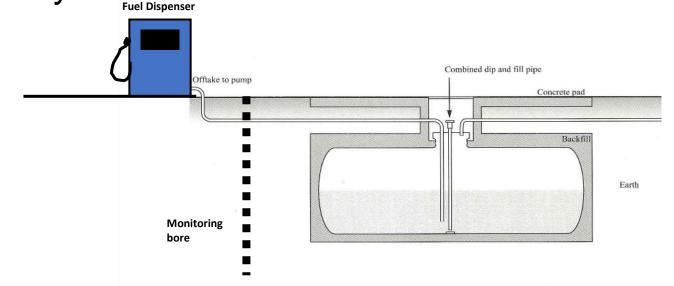
- Dangerous goods storage areas need to be protected from vehicle impact
- On a farm, there is usually enough space to place dangerous goods storage facilities (e.g. shed) out of harm's way





## Underground tank storage or handling systems

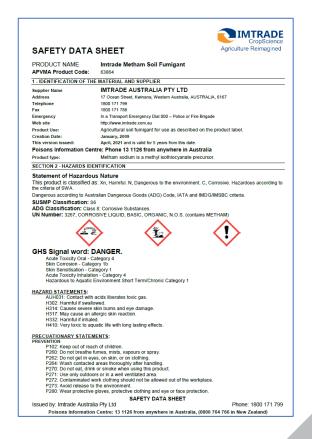
- Some properties have underground fuel storage tanks. These tanks need to be designed, installed, operated and maintained so that they do not leak
- Guidance is available in Australian Standard AS 4897 on how to store fuel in underground tanks safely



#### How do I handle and use safely?

#### Safety information and equipment

- Follow manufacturer's instructions on correct use
- SDSs are good sources of safety and health information
  - Hazard information
  - Storage and handling
  - Spills management
  - PPE





#### **Ignition sources**

 When handling flammable liquids (e.g. petrol) or flammable gases, such as LP or acetylene gas, ignition sources need to be kept away

• Ignition sources include naked flames, mobile phones or activities such as smoking, welding,

cutting and grinding





#### Workers and supervisors

- Induction, information, training and supervision need to be provided
- Safe systems of work and work practices that enable people to perform their job safely
- Relevant training for:
  - Workers handling dangerous goods (e.g. pesticides)
  - Correct application of chemicals
  - Correct use of PPE and safety equipment





#### Clean up spills or leaks

 Dangerous goods stored on the farm sometimes spill or leak. Make sure that the spill or leak is cleaned up as soon as possible using a spill kit





#### **Empty containers**

- Empty dangerous goods containers, such as plastic drums, need to be made safe through industry recycling initiatives like <u>Agsafe's drumMUSTER</u> collection, or containers properly disposed of
- Re-use of dangerous goods containers should only happen after appropriate decontamination means (e.g. scrubbing, rinsing, steam cleaning) to effectively remove chemical residue

#### **Unwanted chemicals**

- Keeping old or unwanted chemicals in your shed presents an unnecessary risk to people, animals and the environment
- Agsafe's ChemClear program is run periodically to assist in the disposal of unwanted chemicals

#### Specific guidance

- Dangerous goods storage and handling
  - Fuel storage Australian Standard AS1940
  - LP Gas storage and handling AS/NZS 1596
  - Storage and handling of pesticides AS2507
  - Safe storage and handling of dangerous goods on farms
  - <u>Dangerous Goods Safety (Storage and Handling of Non-explosives) Regulations 2007 Guide</u>
- Dangerous goods transport
  - Australian Dangerous Goods Code (ADG Code 7.8)

#### Summary

- Some chemicals stored and handled on a farm are dangerous goods and need to stored and handled safely
- Applying appropriate risk controls helps achieves a safe workplace

#### **Quick guides**





Safe storage and handling of dangerous goods on farms



**Dangerous Goods Road Transport Decoder App** 

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#### The First Steps to Farm Safety

#### Julii Gaunt

WorkSafe Inspector Department of Mines, Industry Regulation and Safety





Safety takes planning

We are all guilty of...

"I will get to that"









#### **Tractors**

- Wear a seatbelt
- Inspect before use
- Guarding to PTO
- Roll over protection
- Safe movement around people



#### **Quad bikes**

- Protective clothing
- Training
- Crush protection
- Communication
- Environment
- Activity



## Side by sides

- Plan for safe use
- Wear the seatbelt
- Wear a helmet where required
- Secure loads
- Inspect and maintain











## Falls from heights

- Adequate training and supervision
- Planning to reduce risks
- Fall prevention equipment

- Safe ladders and platforms
- Face towards tractor and truck steps
- Safe work on roofs

## **Machinery and guarding**



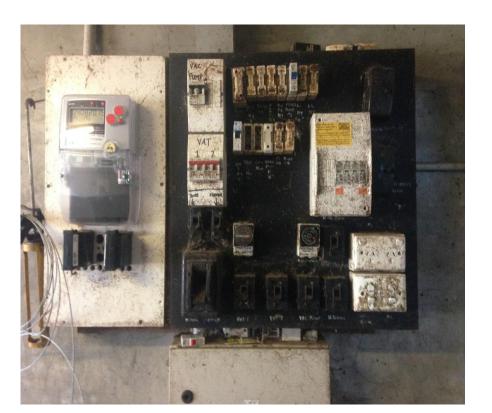
- Inspect and maintain machinery
- Guard dangerous parts
- Follow operating instructions
- Train workers for safe use





#### **Electrical hazards**

- Inspect and maintain
- Use an electrician
- Have RCD fitted
- Signpost overhead power lines







#### **Hazardous chemicals**

- Training for chemical safety
- Safe chemical handling
- Safe storage
- Personal protective equipment
- Management of spills









#### **Child and visitor safety**

- Safe and fenced play areas
- Supervise when on farm
- Plan safe vehicle and plant movement

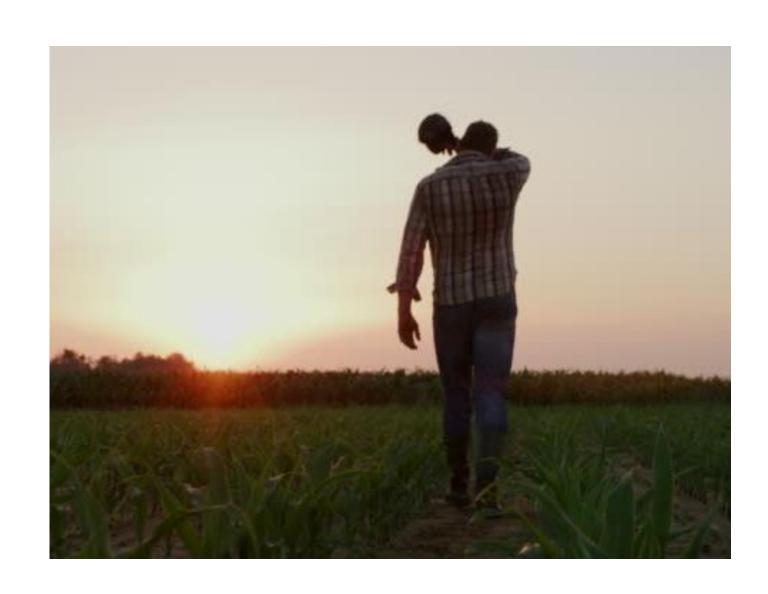
- Visitor induction and supervision
- Use safety equipment (helmets and seatbelts)
- Safe working with animals



## **Psychosocial hazards**

#### Manage these:

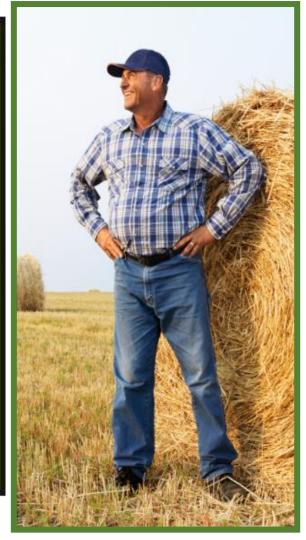
- Stress
- Fatigue
- Bullying
- Violence
- Aggression
- Harassment
- Burnout



#### Plan for a safer farming future







The First Steps to Farm Safety Guide

Coming Soon
WorkSafe Agricultural Safety
and Health











#### Lunch

Next session commences at 1:45pm

Psychosocial hazards in agriculture:

Dr Terence Chia, Senior Inspector Scientific Officer, Human Factors and Ergonomics, DMIRS

PANEL SESSION: Influencing safety cultures in the agricultural industry

**Panellists:** Dave Gossage, Sally North, Tim Manning, Dr Terrence Chia







## Work Health Safety Excellence Awards 2023

27 October, Optus Stadium Register now







#### **Farm Safety News Alert**

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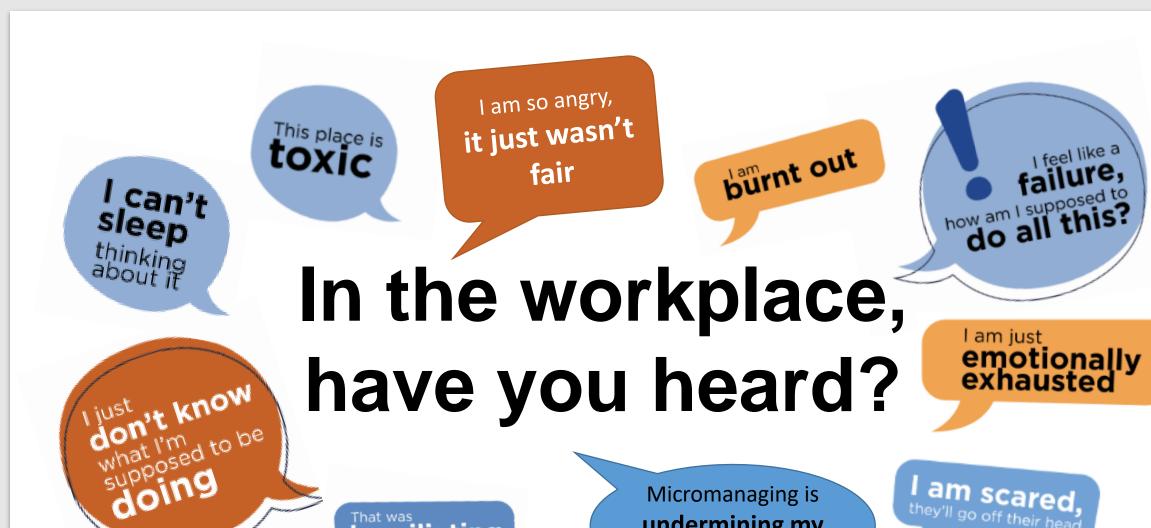
# Psychosocial Hazards in Agriculture

**Terence Chia** Psychologist

Senior Inspector, Scientific Officer Human Factors Ergonomics Team







That was humiliating

undermining my confidence



#### **Overview**

- 1
- What are Psychosocial Hazards?
- The Agriculture Context
- Psychosocial Hazards in Agriculture

- 2
- Work Health & Safety (WHS) Act and Regulations
- WorkSafe's Approach
- Relevant Sections of the WHS Act
- 3
- Risk Management approach
- Resources: Risk Register & Code of Practice
- Q&A



## What are Psychosocial Hazards?

Workplace factors and conditions that can impact workers' psychological and social wellbeing.

#### **Definitions:**



#### Hazards:

A source or a situation with the potential for harm in terms of human injury or ill-health, damage to property, damage to the environment, or a combination of these.

#### **Examples of physical hazards at work:**

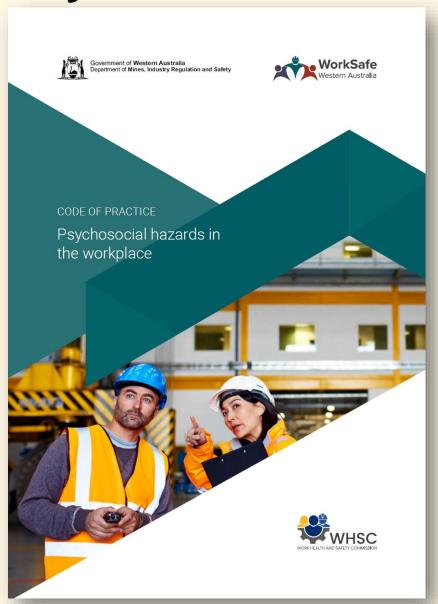
- Moving plant
- Chemicals
- Electricity
- Working at heights



am scared, they'll go off their head undermining my confidence

#### Psychosocial Hazard or Risk Factors





Poor leadership practices and workplace culture Poor or no policies and procedures

Work demands

Low levels of control

Inadequate support

Lack of role clarity

Poor organisational change management

Low recognition and reward

Poor organisational justice

Insecure work

Adverse environmental conditions

Remote work

Isolate work

Fatigue

Burnout

Inappropriate and unreasonable behaviour

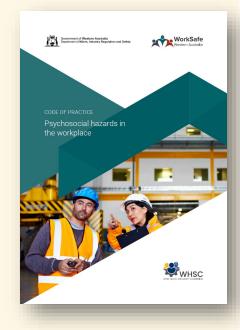
Family and domestic violence

Trauma

Psychosocial hazard or risk factor	Description	Examples
Work demands	Substantial and/or excessive physical, mental and emotional effort required to do the job	Tasks or jobs that involve:  • fast work pace and time pressure  • excessive or insufficient workload  • repetitive or monotonous tasks  • sustained concentration  • high mental workload  • frequent or high emotional labour  • extended work hours or roster length  • a large number of consecutive days worked  • shift rotation  • exposure to emotionally distressing situations (e.g. first responders)
Low levels of control	Lack of control over aspects of the work, including how and when a job is done (i.e. autonomy)	Tasks or jobs where: work is machine or computer paced work is tightly prescribed or scripted workers have little say in the way they do their work, when they can take breaks or change tasks workers are not involved in decision making about work that affects them or their clients workers are unable to refuse working with aggressive individuals
	Lack of control over the aspects of accommodation arrangements	Jobs with limited options to allow for:  • personal scheduling of activities of daily living (e.g. meal times, showering)  • varying sleep schedules  • different accommodation preferences (e.g. privacy)
Inadequate support	Lack of support in the form of constructive feedback, problem solving, practical assistance, provision of information and resources	Tasks or jobs where workers have insufficient or inappropriate:  support from leadership, supervisors or co-workers  information or training to support performance  equipment or resources to do the job
Lack of role clarity	Unclear or constantly changing management expectations about the responsibilities of the job Incompatible expectations or demands placed on workers by different workplace stakeholders	Jobs where there is:  uncertainty about or frequent changes to tasks and performance standards  important task-related information that is not available to the worker  conflicting job roles, responsibilities or expectations

Psychosocial hazard or risk factor	Description	Examples
Poor organisational change management	Uncertainty about changes in the organisation, structure or job  Unstructured approach to change	Workplaces where:  organisational change is poorly managed  there is inadequate communication and consultation with workers about the change
Low recognition and reward	Lack of positive feedback on job and task performance, and inadequate skills development and utilisation	Jobs where there is:  • an imbalance between workers' efforts and associated recognition and reward  • a lack of recognition of good performance  • a lack of opportunity for skills development  • an underuse of skills and experience
Poor organisational justice	Unfairness, inconsistency, bias or lack of transparency in the way procedures are implemented, decisions are made, or workers are treated	Workplaces where there is a real or perceived:  inconsistency in the application of organisational policies and procedures  unfairness in the allocation of resources  bias in the approval of worker entitlements (e.g. annual leave)
Insecure work	Employment types such as contract, seasonal work, casual, freelance and gig work	Jobs where there is:  Iittle or no job security  Iittle or no entitlements or benefits (e.g. sick leave, pay rates)  Iow levels of control  need to work multiple jobs
Adverse environmental conditions	Exposure to conditions that influence worker comfort and performance	Working with:  extremes of temperature  nuisance and excessive noise that disturbs concentration  poor air quality  Accommodation arrangements that unreasonably affect the amount of quality rest and sleep needed to manage fatigue, including exposure to:  hot and humid conditions with no relief  nuisance and excessive noise that disturbs or disrupts sleep routines
	Adverse natural events	A natural event (e.g. cyclone, flooding, bushfire) that can:  restrict travel  constrain activities  interfere with communications  create uncertainty in the workforce and families





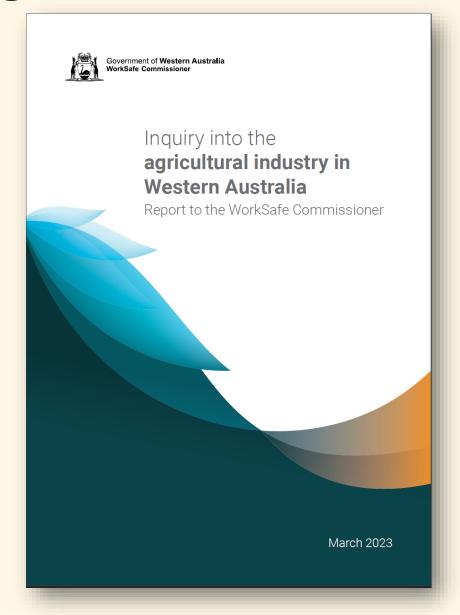
## **Examples of Risk Management Approach**

Risk factors	Risk control	
Poor leadership practices and workplace culture	<ul> <li>Develop a consultative leadership style</li> <li>Ensure that there is visible leadership support and modelling of appropriate workplace behaviours by leaders and managers</li> <li>Develop an inclusive working environment</li> <li>Consult workers when making decisions that affect their working environment</li> </ul>	
Poor organisational justice	<ul> <li>Ensure that policies and procedures are applied consistently and fairly</li> <li>Ensure that meaningful work is distributed fairly</li> <li>Ensure that decisions about work-related entitlements and opportunities are transparent and communicated</li> </ul>	
Poor or no workplace policies and procedures	<ul> <li>Have a clear policy for acceptable workplace behaviours</li> <li>Have a procedure for managing complaints</li> <li>Provide training and information to management and workers on acceptable workplace behaviours and conflict resolution</li> <li>Seek external help if a matter cannot be dealt with internally</li> <li>Ensure policies and procedures are accessible (e.g. lunch room, notice boards, reception area)</li> </ul>	
Lack of role clarity	<ul> <li>In consultation with workers, establish clear position descriptions</li> <li>Establish clear processes for work flow, responsibilities and reporting lines</li> <li>Hold daily toolbox meetings to discuss tasks and work allocations</li> <li>Provide an appropriate level of supervision to ensure workers have a clear understanding of their duties and performance expectations</li> </ul>	

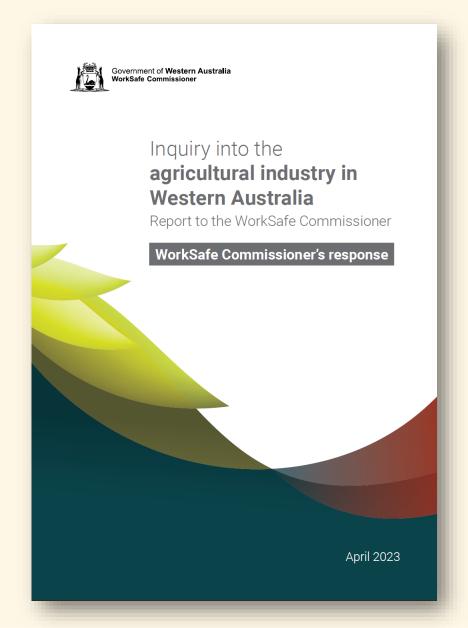




## **Agriculture Context**

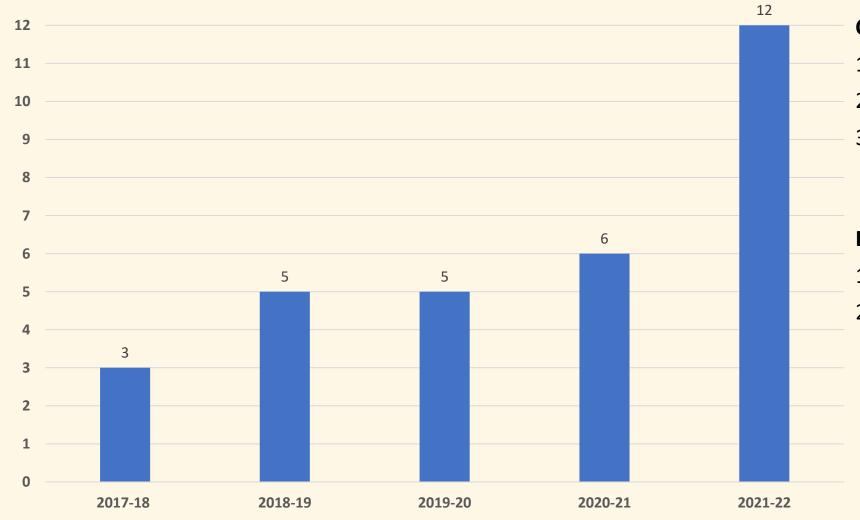






#### Agriculture Data – Fatalities in WA (2017 – 2022)





#### **Common causes:**

- 1. Not using safety equipment & PPE
- 2. Unsafe methods
- 3. Lack of attention to the positioning of bystanders or other workers

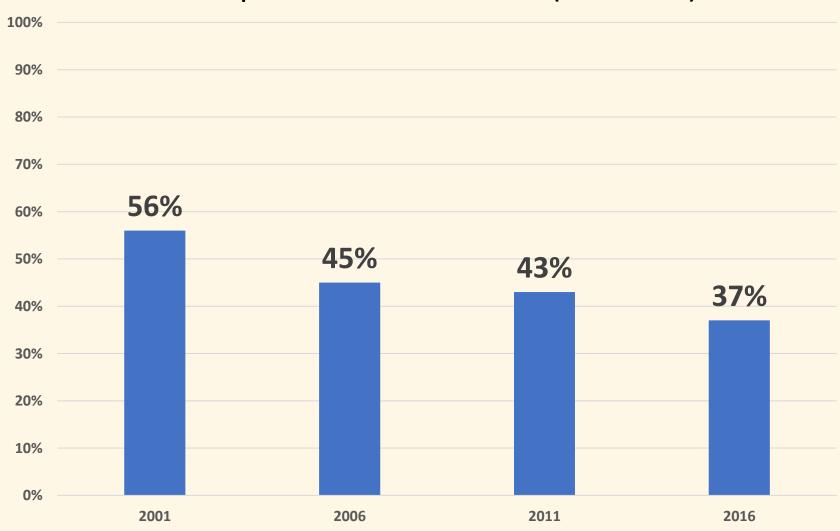
#### **Demographic:**

- 1. Approx. 90% were men
- 2. Approx. 50% were men above 55yo

## **Agriculture Context**

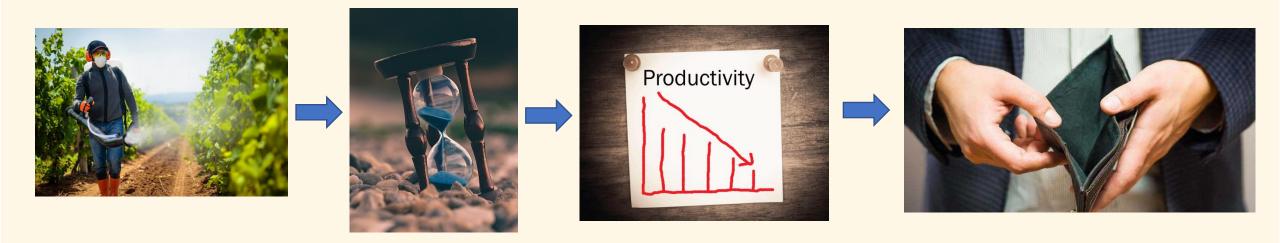


#### Owner-operator numbers are in decline (2001 to 2016)



## **Agriculture Context**









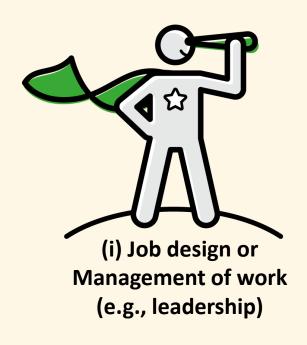




# What do you think are the 3 most common psychosocial hazards?

## 4 Categories of Psychosocial Hazards





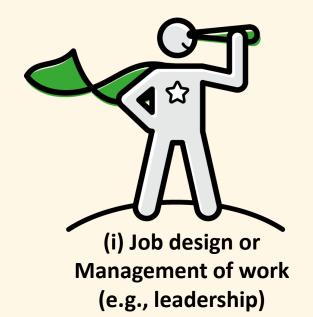






## 4 Categories of Psychosocial Hazards







(iii) Plant at a workplace



## Examples of evidenced-based harm to health



- Anxiety related disorders
- Depression related disorders
- Post Traumatic Stress Disorder
- Cardiovascular disease
- Musculoskeletal disorders
- Increased alcohol consumption, smoking and drug use
- Sleep disorders



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#### Work Health & Safety Act and Regulations

**>>>** 

Work Health and Safety Act 2020

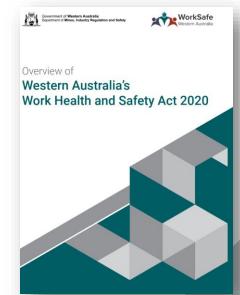
Work Health and Safety (General) Regulations 2022

Work Health and Safety (Mines) Regulations 2022

Work Health and Safety (Petroleum and Geothermal Energy

Operations) Regulations 2022

Overview of WA's WHS Act 2020



### Work Health and Safety Act 2020



Health is explicitly defined as physical and psychological health

Primary duty holder is now:

Person Conducting a Business or Undertaking (PCBU)

#### Meaning of workplace:

Place where work is carried out for a business or undertaking and includes any place where a worker goes, or is likely to be, while at work.

## Work Health and Safety (General) Regulations 2022



Division 11 – Psychosocial risks **Regulation 55A. Meaning of psychosocial hazard** 

A *psychosocial hazard* is a hazard that:

- (a) arises from, or relates to:
  - (i) the design or management of work; or
  - (ii) a work environment; or
  - (iii) plant at a workplace; or
  - (iv) workplace interactions or behaviours; and

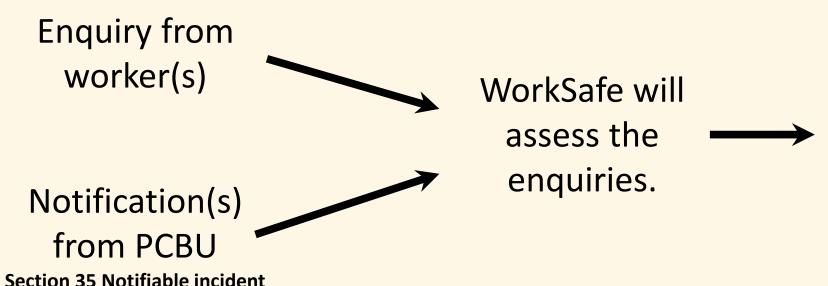
(b) may cause psychological harm (whether or not it may also cause physical harm).

### WorkSafe's Approach



Administer the Work Health & Safety Act 2020 (the 'Act')

Informed by the WorkSafe Compliance and Enforcement Policy



Workplace (systems)
risk factors and controls
to prevent or reduce
the risk of workers
being exposed to
hazards.





- s4: health means physical and psychological health
- s19: PCBU's duty of care
- **s27**: duty of officers (s27(5): due diligence)
- **s28 & s29:** duty of workers & others
- **s35**: notifiable incidents
- **s104**: discriminatory conduct
- s155B: Power of regulator to require independent report
- s272: No contracting out
- Regs 34-38: Health and safety risk management
- Reg 55a: Meaning of psychosocial hazard: A psychosocial hazard is a hazard that: (a) arises from, or relates to: (i) the design or management of work; or (ii) a work environment; or (iii) plant at a workplace; or (iv) workplace interactions or behaviours; and (b) may cause psychological harm (whether or not it may also cause physical harm).

# Managing Psychosocial Risks and Hazards in Multi-Layered PCBU Relationships



Psychosocial hazards (e.g., bullying, sexual harassment) are serious psychosocial hazards that can deeply affect the mental well-being of workers.

Within multi-layered PCBU relationships, the dynamics of reporting and addressing these incidents can be intricate due to the involvement of different levels of management and contractual arrangements.





## Labour hire host PCBUs: Duties of persons conducting a business or undertaking who use labour hire workers

This checklist provides information for persons conducting a business or undertaking who use labour hire workers (host PCBUs) on complying with their health and safety duties under work health and safety laws.

Labour hire arrangements in WA are covered by the Work Health and Safety Act 2020 (WHS Act) and associated regulations.

The primary duty of care under the WHS Act is owed by a PCBU to a 'worker', which includes a labour hire worker. All PCBUs who supply workers to other businesses (labour hire PCBUs) and host PCBUs have a primary duty of care to ensure, so far as is reasonably practicable, the health and safety of labour hire workers engaged by, or caused to be engaged by them, or whose activities are influenced or directed by the PCBU.

The WHS Act provides that more than one duty holder may have the same duty. Labour hire arrangements can be complex. In some circumstances, there may be more than one labour hire or host PCBU.

If more than one person or business has a duty for the same matter, each person must meet their duty to the extent to which they have the capacity to influence and control the matter. A labour hire PCBU or host PCBU may exercise influence and control over a relevant matter through, for example, the terms of a contract or directing workers in a practical sense. However, duty holders cannot contract out of or transfer their WHS obligations to another person.

#### Consultation between PCBUs

All duty holders in a labour hire arrangement must, so far as is reasonably practicable, consult, cooperate and coordinate with each other.

Each duty holder should share information to find out who is doing what and work together in a cooperative and coordinated way to ensure compliance with WHS laws. For example, host PCBUs and labour hire PCBUs must discuss consultation arrangements, the hazards and risks associated with the work, what precautions will be taken to ensure the health and safety of the labour hire worker and the respective roles of the organisations in responding to an incident. Some labour hire PCBUs may have substantial knowledge of WHS issues and risk management practices in their industry that may assist in assessing the practices of a host PCBU and ensuring compliance with WHS laws.

### **Labour Hire Arrangements**



Labour hire arrangements can be complex. In some circumstances, there may be more than one labour hire or host PCBU.

If more than one person or business has a duty for the same matter, each person must meet their duty to the extent to which they have the capacity to influence and control the matter.

https://www.commerce.wa.gov.au/worksafe/labour-hire-arrangements

150



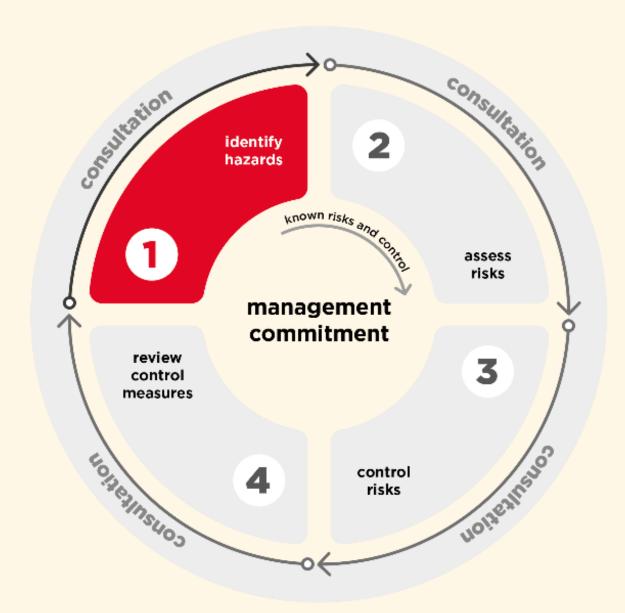
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- 1. Identify the psychosocial hazards and risk factors
- 2. Assess the risks
- 3. Control the risks by making the changes necessary to eliminate the hazards or risk factors or, if not practicable, minimise the risk of harm
- 4. Monitor and review the effectiveness of the controls and adapt or improve the controls where necessary.

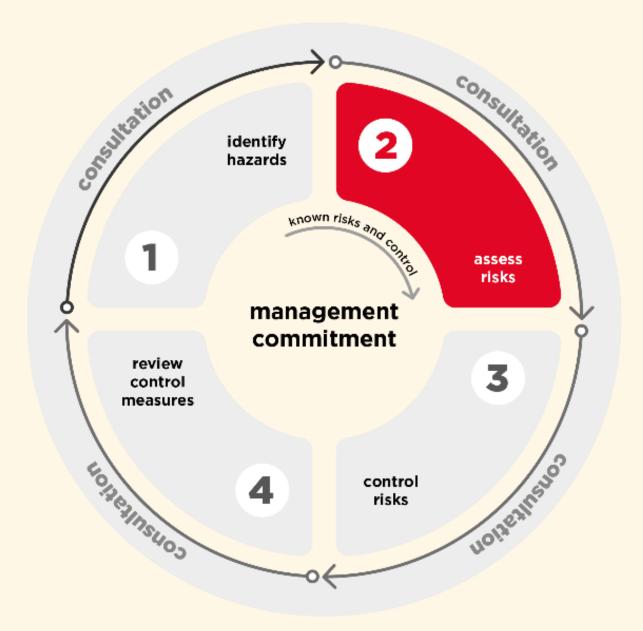




# 1. Identify the psychosocial hazards and risk factors

- Who will take part?
- What information to consider?
- Relevant legislative requirements?
- What are we doing that already meets the requirements?
- Consider variety of sources to identify and understand risk
- Maintaining confidentiality and trust

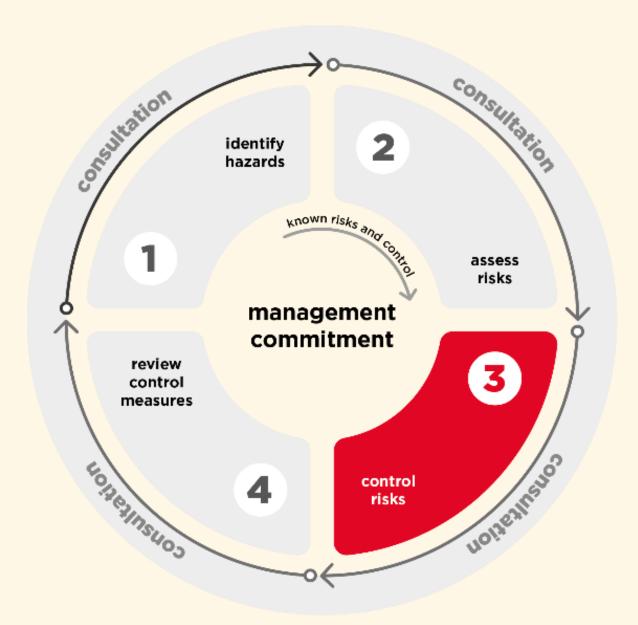




#### 2. Assess the risks

- Assessors need access to information on work environment & work processes
- Seek expert advice if limited knowledge
- Collecting info & data
- Consultation





#### 3. Control the risks

- May not always be reasonably practicable to eliminate the hazard or risk
- PCBU must minimise it so far as is reasonably practicable. This could involve increasing protective factors such as support and control.
- Every workplace is different!



#### 4. Monitor and review the effectiveness of the controls

- Schedule regular discussions
- Monitor incidences of grievances
- Review incident reports to identify trends

#### **Purposes:**

- (1) Confirm that control measures are working as expected;
- (2) checking that other hazards / risks not introduced with implementation of controls 156

### Managing Psychosocial Hazards - Risk Register





Managing psychosocial hazards at work

Code of Practice

**JULY 2022** 

https://www.safeworkaustralia.gov.au/doc/modelcode-practice-managing-psychosocial-hazards-work

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### Appendix C - Risk register

Location:

Click here to enter text.

Date:

Click here to enter a date.

https://www.safeworkaustralia.gov.au/doc/modelcode-practice-managing-psychosocial-hazards-work

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Hazard	How frequently are workers exposed to this hazard?	How long does this exposure last?	How severe is their exposure?	Are other hazards present this may interact with?	How effective are the current controls?	What further controls are required?	Actioned by	Date Due	Date Complete	Maintenance and review
E.g. High work demand (end of financial year sales)	Once a year	1 month	Moderate, most staff are unable to complete essential tasks and report feeling stressed.	Yes, aggressive customers and low support from supervisors.	Moderately, workers are encouraged to leave non- essential tasks but still struggle to keep up with demands.	Additional workers to be assigned to busy shifts.	J. Blogs	31/05/2022	Click here to enter a date.	To be reviewed after first week of this year's sales.
Click here to enter text.	Click here to enter text.	Click here to enter text.	Click here to enter text.	Click here to enter text.	Click here to enter text.	Click here to enter text.	Click here to enter text.	Click here to enter a date.	Click here to enter a date.	Click here to enter text.
Click here to enter text.	Click here to enter text.	Click here to enter text.	Click here to enter text.	Click here to enter text.	Click here to enter text.	Click here to enter text.	Click here to enter text.	Click here to enter a date.	Click here to enter a date.	Click here to enter text.
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### **Code of Practice**

Psychosocial Hazards in the Workplace Code of Practice

**Workplace Behaviour Code of Practice** 

**Violence and Aggression at Work Code of Practice** 

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### **WA's Rural Support Services**

24/7 Crisis care – Statewide

Crisis support services	Phone		
<b>Lifeline</b> : Provides access to crisis support, suicide prevention & mental health support services.	13 11 14 Email available via website		
<b>Beyond Blue</b> : Beyond Blue provides information and support to help everyone in Australia achieve their best possible mental health, whatever their age and wherever they live.	1300 224 636		
<b>Rurallink</b> : An after-hours telephone service for people in rural and regional Western Australia experiencing a mental health crisis.	1800 552 002		
Suicide Call Back Service: A nationwide service that provides professional 24/7 telephone and online counselling to people who are affected by suicide.	1300 659 467 Chat online via website		
<b>Crisis Care Helpline</b> : A telephone information and counselling service for people in crisis needing urgent help.	1800 199 008 9223 1111 13 14 50 (translating service)		

For family counselling services by Region and Statewide see: <a href="https://www.agric.wa.gov.au/regional-counselling">https://www.agric.wa.gov.au/regional-counselling</a>





### Panel discussion

Dave Gossage

Sally North

Tim Manning

Terrence Chia



### Ask questions using Slido

**>>>** 

Scan QR code using your mobile device or

Go to slido.com and enter event code #SWM3









### **Closing remarks**

### Jaime Rebelo

Director WorkSafe Industrial and Regional

WorkSafe Division

Department of Mines, Industry Regulation and Safety









### Forum concludes

Thank you for being part of Psychosocial hazards forum



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