

Operating A Combine Harvester Risk Assessment

Business Name:		ABN:	
Business Address:			
Contact Person:	Phone:	Email:	

THIS RISK ASSESSMENT IS APPROVED BY THE PCBU ON THIS PROJECT

Under the Work Health and Safety Regulation (WHS Regulation), a person conducting a business or undertaking (PCBU) is required to ensure that a RISK ASSESSMENT is prepared before the proposed work starts.

Full Name:		
Signature:	Title:	Date:

CLIENT OR PRINCIPAL CONTRACTOR DETAILS

Client:	SCOPE OF WORKS
Project Name:	
Project Address:	
Project Manager:	
Contact Phone:	
Date Risk Assessment supplied to Project Manager:	

SAMPLE

RISK MATRIX																																	
LIKELIHOOD	INSIGNIFICANT	MINOR	MODERATE	MAJOR	CATASTROPHIC	SCORE	ACTION	HIERARCHY OF CONTROLS																									
ALMOST CERTAIN	3 HIGH	3 HIGH	4 ACUTE	4 ACUTE	4 ACUTE			Elimination Remove the hazard.																									
LIKELY	2 MODERATE	3 HIGH	3 HIGH	4 ACUTE	4 ACUTE	4A ACUTE	DO NOT PROCEED	Substitution Replace the hazard.																									
POSSIBLE	1 LOW	2 MODERATE	3 HIGH	4 ACUTE	4 ACUTE	3H HIGH	Review before work starts.	Isolation Isolate People from the hazard																									
UNLIKELY	1 LOW	1 LOW	2 MODERATE	3 HIGH	4 ACUTE	2M MODERATE	Ensure control measures in place.	Engineering Isolate the hazard																									
RARE	1 LOW	1 LOW	2 MODERATE	3 HIGH	3 HIGH	1L LOW	Monitor and keep records.	Administrative Change																									
Risk Rating & Required Action: <table border="1"> <tr> <td>4A</td> <td>Stop work. The risk is intolerable. Eliminate the hazard or redesign the activity before proceeding. A Safe Work Method Statement (SWMS) or higher-level authorisation is required.</td> </tr> <tr> <td>3H</td> <td>Review and approve additional controls before task starts. Senior supervisor sign-off needed.</td> </tr> <tr> <td>2M</td> <td>Ensure all nominated controls are in place and effective. Proceed with caution; monitor conditions.</td> </tr> <tr> <td>1L</td> <td>Proceed, following standard operating procedures. Monitor and keep records.</td> </tr> </table>										4A	Stop work. The risk is intolerable. Eliminate the hazard or redesign the activity before proceeding. A Safe Work Method Statement (SWMS) or higher-level authorisation is required.	3H	Review and approve additional controls before task starts. Senior supervisor sign-off needed.	2M	Ensure all nominated controls are in place and effective. Proceed with caution; monitor conditions.	1L	Proceed, following standard operating procedures. Monitor and keep records.																
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Notes on Hierarchy of Controls: Remember to apply controls in the preferred order shown by the coloured pyramid: <ol style="list-style-type: none"> 1. Eliminate 2. Substitute 3. Isolate 4. Engineering 5. Administrative 6. PPE <p>Always document why a lower-order control is accepted if elimination or substitution is not reasonably practicable.</p> <p><i>aligned with Safe Work Australia's Managing the risk of fatigue at work (2023) and ISO 45001:2018 clauses 6–8.</i></p>																																	
Consequence Scale: <table border="1"> <thead> <tr> <th>Consequence</th> <th>People (injury/illness)</th> <th>Project / Assets</th> <th>Compliance / Reputation</th> </tr> </thead> <tbody> <tr> <td>Catastrophic</td> <td>Fatality or permanent total disability</td> <td>project shutdown</td> <td>Significant regulator intervention; criminal prosecution</td> </tr> <tr> <td>Major</td> <td>Serious injury/illness (hospital > 5 days)</td> <td>critical delay</td> <td>Improvement notice; major media coverage</td> </tr> <tr> <td>Moderate</td> <td>Medical-treatment injury; lost-time > 1 day</td> <td>moderate delay</td> <td>Minor breach; adverse client comment</td> </tr> <tr> <td>Minor</td> <td>First-aid only, no lost time</td> <td>negligible delay</td> <td>Isolated non-conformance</td> </tr> <tr> <td>Insignificant</td> <td>No injury</td> <td>no schedule impact</td> <td>Deviation caught and corrected on site</td> </tr> </tbody> </table>										Consequence	People (injury/illness)	Project / Assets	Compliance / Reputation	Catastrophic	Fatality or permanent total disability	project shutdown	Significant regulator intervention; criminal prosecution	Major	Serious injury/illness (hospital > 5 days)	critical delay	Improvement notice; major media coverage	Moderate	Medical-treatment injury; lost-time > 1 day	moderate delay	Minor breach; adverse client comment	Minor	First-aid only, no lost time	negligible delay	Isolated non-conformance	Insignificant	No injury	no schedule impact	Deviation caught and corrected on site
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JOB STEP	POTENTIAL HAZARDS	IR	CONTROL MEASURES	RR
SPECIFIC WORK STEPS	HAZARDS THAT MAY ARISE	INITIAL RISK	SPECIFIC MEASURES TO BE PUT IN PLACE TO ELIMINATE OR CONTROL THE RISKS	RESIDUAL RISK
1. Preparation	slips and trips, manual handling injuries	3H	<ul style="list-style-type: none"> - Conduct a site inspection to ensure the area is free of obstacles - Train operators on safe manual handling techniques - Use anti-slip mats or footwear - Ensure all necessary tools and equipment are present - Deliver safety briefing to all personnel involved in operations - Establish a clear communication protocol among team members - Confirm availability of first aid facilities on-site - Designate a safety officer during operations - Maintain high visibility markers on site - Use appropriate PPE such as gloves and steel-toed boots 	1L
2. Check Engine and Fuel	fuel spills, fire hazards	3H	<ul style="list-style-type: none"> - Inspect fuel hoses and tanks for leaks - Refuel in well-ventilated areas - Use spill canisters when refueling - Keep a fire extinguisher nearby during refueling - Ensure engine is cool before refueling - Use appropriate PPE such as gloves and goggles - Train operators in emergency response procedures for fire - Regular maintenance of all engine components to prevent leaks - Have an emergency spill kit accessible - Establish a no-smoking zone around the refueling area 	2M
3. Check Brakes and Steering	brake failure, loss of control	3H	<ul style="list-style-type: none"> - Conduct a pre-operational inspection focusing on brakes and steering - Test brakes and steering in a controlled area before operation - Schedule regular maintenance checks for brakes and hydraulic systems - Replace faulty parts immediately - Train operators to perform daily checks - Maintain a logbook of checks and repairs - Establish a communication plan for reporting issues - Use certified replacement parts 	2M

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			<ul style="list-style-type: none"> - Ensure all operators have undergone defensive driving training - Verify that backup systems are functional 	
4. Operate Threshing Mechanism	entanglement, crush injuries	4A	<p>[REDACTED]</p> <p>[REDACTED]</p> <p>[REDACTED]</p> <p>[REDACTED]</p> <p>[REDACTED]</p> <p>[REDACTED]</p> <p>[REDACTED]</p> <p>[REDACTED]</p> <p>[REDACTED]</p> <p>[REDACTED]</p> <p>[REDACTED]</p>	2M
5. Adjusting Cutting Height	cutting from blade, unexpected machine movement	3H	<p>[REDACTED]</p> <p>[REDACTED]</p> <p>[REDACTED]</p> <p>[REDACTED]</p> <p>[REDACTED]</p> <p>[REDACTED]</p> <p>[REDACTED]</p> <p>[REDACTED]</p> <p>[REDACTED]</p> <p>[REDACTED]</p> <p>[REDACTED]</p>	1L
6. Monitor Grain Tank Filling	falling from height, grain dust inhalation	3H	<p>[REDACTED]</p> <p>[REDACTED]</p> <p>[REDACTED]</p> <p>[REDACTED]</p> <p>[REDACTED]</p> <p>[REDACTED]</p> <p>[REDACTED]</p> <p>[REDACTED]</p> <p>[REDACTED]</p> <p>[REDACTED]</p>	2M

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			[REDACTED]	
7. Emptying Grain Tank	accidental release of grain, load shifting	4A	[REDACTED]	2M
8. Field Navigation	collisions, vehicle r	3H	[REDACTED]	2M
9. Maintenance and Repairs	electrical shocks, slips, trips and falls	3H	[REDACTED]	1L

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			[REDACTED]	
10. End-of-Day Shutdown	machine malfunctions after shut off, exhaust fumes	2M	[REDACTED]	1L
11. Safety Briefing for New Operators	insufficient training, complacency	3H	[REDACTED]	2M
12. Seasonal Equipment Modifications	improper installation, component failure	4A	[REDACTED]	2M

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			[REDACTED]	
13. Post-Harvest Clean-up	chemical exposure from cleaning agents, accidental injuries from machinery	3H	[REDACTED]	2M
14. Emergency Procedures	panic during emergencies, communication breakdown	4A	[REDACTED]	2M
15. Transportation of Harvester	road accidents, equipment damage during transit	4A	[REDACTED]	2M

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			[REDACTED]	
16. Operating in Adverse Weather	reduced visibility, slip hazards	4A	[REDACTED]	2M
17. Fuel Storage	leakage, fire hazards	4A	[REDACTED]	2M
18. Mobile Phones and Distractions	loss of concentration, accidents due to distractions	3H	[REDACTED]	1L

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			[REDACTED]	
19. Wildlife Interference	collisions with fauna, disease transmission	3H	[REDACTED]	1L

SAMPLE

EMERGENCY RESPONSE – CALL 000 FOR EMERGENCIES

Ensure to have an Emergency Management Plan in place as well as adequate numbers of trained first aid staff with easy access to fully stocked first aid kits, rescue equipment, material safety data sheets, adequate access to emergency communication equipment and fire-fighting equipment suitable for all classes of fire and ignition sources.

LEGISLATIVE REFERENCES

RELEVANT LEGISLATION AND CODES OF PRACTICE. DELETE THE LEGISLATIVE REFERENCES FOR ANY STATE THAT ARE NOT APPLICABLE

Queensland & Australian Capital Territory

Work Health and Safety Act 2011
 Work Health and Safety Regulations 2011
 Legislation QLD: <https://www.worksafe.qld.gov.au/laws-and-compliance/work-health-and-safety-laws>
 Codes of Practice QLD: <https://www.worksafe.qld.gov.au/laws-and-compliance/codes-of-practice>
 Legislation ACT: <https://www.worksafe.act.gov.au/laws-and-compliance/acts-and-regulations>
 Codes of Practice ACT: <https://www.worksafe.act.gov.au/laws-and-compliance/codes-of-practice>

Victoria

Occupational Health and Safety Act 2004
 Occupational Health and Safety Regulations 2017
 Legislation VIC: <https://www.worksafe.vic.gov.au/occupational-health-and-safety-act-and-regulations>
 Codes of Practice VIC: <https://www.worksafe.vic.gov.au/compliance-codes-and-codes-practice>

New South Wales

Work Health and Safety Act 2011
 Work Health and Safety Regulations 2017
 Legislation NSW: <https://www.safework.nsw.gov.au/legal-obligations/legislation>
 Codes of Practice NSW: <https://www.safework.nsw.gov.au/resource-library/list-of-codes-of-practice>

Western Australia

Work Health and Safety Act 2020
 Work Health and Safety Regulations 2022
 Legislation Western Australia: <https://www.commerce.wa.gov.au/worksafe/legislation>
 Codes of Practice WA: <https://www.commerce.wa.gov.au/worksafe/codes-practice>

Northern Territory

Work Health and Safety (National Uniform Legislation) Act 2011
 Work Health and Safety (National Uniform Legislation) Regulations 2011
 Legislation NT: <https://worksafe.nt.gov.au/laws-and-compliance/work-places-and-laws>
 Codes of Practice NT: <https://worksafe.nt.gov.au/laws-and-compliance/codes-of-practice>

Safe Work Australia Links

Law and Regulation (All States): <https://www.safeworkaustralia.gov.au/law-and-regulation>
 Model Codes of Practice: <https://www.safeworkaustralia.gov.au/resources-publications/model-codes-of-practice>

South Australia

Work Health and Safety Act 2012 (SA)
 Work Health and Safety Regulations 2012 (SA)
 Legislation for SA: <https://www.safework.sa.gov.au/resources/legislation>
 Codes of Practice for SA: <https://www.safework.sa.gov.au/work-places/codes-of-practice#COPs>

Model Codes of Practice

- Managing noise and preventing hearing loss at work
- Confined spaces
- Labelling of workplace hazardous chemicals
- Managing risks of hazardous chemicals in the workplace
- Welding processes
- First aid in the workplace
- Managing the risk of falls at workplaces
- Hazardous manual tasks
- Managing the risk of falls in housing construction
- Managing electrical risks in the workplace
- Demolition work
- Excavation work
- Work health and safety consultation, cooperation and coordination
- Managing the work environment and facilities
- How to manage work health and safety risks
- Managing risks of plant in the workplace
- Construction work

Tasmania

Work Health and Safety Act 2012
 Work Health and Safety (Transitional and Consequential Provisions) Act 2012
 Work Health and Safety Regulations 2012
 Work Health and Safety (Transitional) Regulations 2012
 Legislation for TAS: <https://worksafe.tas.gov.au/topics/laws-and-compliance/acts-and-regulations>
 Codes of Practice for TAS: <https://worksafe.tas.gov.au/topics/laws-and-compliance/codes-of-practice>

Details of permits, licenses or access required by regulatory bodies (add or delete as required):

- Permits from local council
- Authorisation to commence work
- Any required documents.

