

Hazard and Risk Training

Task	Repairing and Maintaining Equipment	
Hazards What are the Hazards?	Risks Who might be harmed and how? What conditions could affect the chances of being harmed from the hazard?	Preventative Measures What are you already doing? What further actions are necessary?
Pesticides and other hazardous chemicals (antifreeze, hydraulic fluid, paint thinner and compressed gas)	<p>A person could be seriously harmed by acute or prolonged exposure to chemicals.</p> <ul style="list-style-type: none"> ○ Fumes leading to respiratory irritation, eye irritation or breathing difficulty. ○ Direct contact of a chemical on skin leading to skin irritation, chemical burns or chemical toxicity. ○ Fire or explosion when using flammable chemicals and compressed gas. 	<ul style="list-style-type: none"> ○ MSDS available to workers for all hazardous chemicals ○ First Aid kit and eye wash stations available ○ Charged fire extinguishers available ○ Ensure that compressed gas cylinders are adequately secured ○ Provide Personal Protective equipment to workers (gloves, apron, goggles, respirators, coveralls) ○ Keep flammable liquids and pesticides out of warehouse ○ Safely store flammable liquids ○ Have WHMIS training for hazardous chemicals ○ Have working alone procedure in place <ul style="list-style-type: none"> ○ Have cell phones/radios on tractor ○ Check in with someone at specific times ○ Use and enforce Safety rules ○ Clean up any spills
Power tools / Powered electrical equipment	<p>A person could be electrocuted or cut by operating power tools causing serious injury or death</p> <ul style="list-style-type: none"> ○ Electrocution when equipment is not maintained <ul style="list-style-type: none"> ○ Cut cord ○ Tool not grounded ○ Cut while operating power tools ○ Foreign object could hit eye ○ Trip and fall over cords or equipment ○ Person could be caught in equipment ○ Unguarded equipment ○ Using improper tool 	<ul style="list-style-type: none"> ○ Inspect and maintain power tools according to instructions <ul style="list-style-type: none"> ○ Cords in good repair ○ Unplug tools when not in use ○ Make sure that tools are properly grounded ○ Cutting tool should be kept sharp ○ Switch off and unplug power tools before changing blades servicing or repairing ○ Be sure that equipment is guarded and safety devices are operating ○ Use the right tool for the job ○ Put equipment away when not in use ○ Maintain good housekeeping ○ Wear clothing with no strings or ends ○ Use Personal Protective equipment (gloves, safety glasses,

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		<ul style="list-style-type: none"> dust masks) ○ Keep bystanders at a safe distance ○ Use a push stick on table saws ○ Have adequate lighting
Welding	<p>Worker or bystander could be burned, exposed to toxic gas, burn eyes causing a fire or serious injury.</p> <ul style="list-style-type: none"> ○ Compressed gas cylinders could fall and cause explosion ○ Eyes could get burned ○ Poor ventilation in the shop ○ Give off a spark and be an ignition source causing a fire ○ Hoses could leak ○ Inexperienced worker 	<ul style="list-style-type: none"> ○ Secure Compresses gas cylinders ○ Have and use welding shields ○ Inspect equipment to make sure that hoses do not have leaks ○ Use a welding curtain to protect bystanders ○ Make sure that flammable are not stored close to where welding is taking place ○ Check pressure gages on compressed gas cylinders ○ Ensure that the area has adequate ventilation while welding ○ Use and enforce safety rules ○ Ensure that worker is trained
Truck pit in the shop	<p>A worker, a bystander or equipment could fall into pit causing serious injury. Toxic fumes could build up in the pit causing serious injury of death.</p> <ul style="list-style-type: none"> ○ Build up of fumes in the pit ○ Equipment or tools could fall on worker in pit ○ Worker could fall into the pit ○ Poor visibility ○ Poor marking of pit 	<ul style="list-style-type: none"> ○ Have pit well marked ○ Cover pit when not in use ○ Turn off equipment when repairing equipment in the pit ○ Have mirrors to help operator with visibility ○ Make workers aware of the pit and train workers what to do when working in/around the pit ○ Have good housekeeping practices to reduce tripping hazards and objects from falling ○ Use and ensure safety rules
Repairing breakdowns in the field	<ul style="list-style-type: none"> ○ Rushing while repairing equipment ○ Inexperienced workers ○ working alone ○ Equipment is running during repair ○ Fatigued and stressed workers ○ Weather conditions ○ Operating safety devices ○ Use of safety devices 	

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| | <ul style="list-style-type: none">○ Working at heights○ Equipment guarding (removing guards to do repairs)○ Equipment failure (hydraulics fail) | |
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Other things to consider include:

Chemical Handling

Working Alone

Aging Workers

Road Safety

Manure Pits

Harvesting Equipment

Farm Stress