

## Hazard and Risk Training

<b>Task:</b>	<b>Grain and Silage Handling</b>	
<b>Hazards</b> What are the Hazards?	<b>Risks</b> Who might be harmed and how? What conditions could affect the chances of being harmed from the hazard?	<b>Preventative Measures</b> What are you already doing? What further actions are necessary?
Gasses	<ul style="list-style-type: none"> <li>○ Farmers and farm employees could be harmed by gas when entering silo</li> <li>○ Poor air quality due to inadequate ventilation and air exchange in silos and bins</li> <li>○ Could be poisoned by toxic gas</li> <li>○ Toxic gas could cause explosion</li> </ul>	<ul style="list-style-type: none"> <li>○ Test the air in silo for combustible and toxic gases before entering.</li> <li>○ Have proper air exchange system in place as well as windows for ventilation</li> <li>○ Post signs warning of hazardous gas</li> </ul>
Falls	<p>Farmers and farm employees are at risk of falling during many aspects of grain and silage handling</p> <ul style="list-style-type: none"> <li>○ Falls from machinery - jumping on and off of tractor</li> <li>○ Falls from bins</li> <li>○ Falls from Buildings</li> <li>○ Falls into grain from walking on it</li> <li>○ Weather can make for slippery conditions</li> </ul>	<ul style="list-style-type: none"> <li>○ Use protective body harness to prevent falls</li> <li>○ Never walk on grain to make it flow</li> <li>○ Install ladders</li> <li>○ Use safety harness</li> <li>○ Use ladders and avoid jumping</li> <li>○ Don't work alone</li> </ul>

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<p>Entanglement in machinery</p>	<p>Entanglement in augers can happen to employees and farmers causing severe injury and even death</p> <ul style="list-style-type: none"> <li>○ Can be caught in augers moving hay, straw, and grain</li> <li>○ Can be caught in implements trying to remove blockages</li> <li>○ Can be harmed trying to fix broken implements</li> </ul>	<ul style="list-style-type: none"> <li>○ Don't wear loose fitting clothing that could become caught</li> <li>○ Be aware of implements at all times</li> <li>○ Use protective auger guards</li> <li>○ Never let children around machinery and implements unsupervised</li> <li>○ Make sure to shut equipment completely off before fixing and removing blockages.</li> <li>○ Be aware of Power take off</li> </ul>
<p>Working around power lines</p>	<p>When moving equipment and machinery electrocution can occur if equipment comes in contact with power lines</p> <ul style="list-style-type: none"> <li>○ Workers can be electrocuted</li> <li>○ Workers could die</li> </ul>	<ul style="list-style-type: none"> <li>○ Check for over head lines before proceeding with equipment</li> <li>○ Cut power to lines before moving equipment</li> <li>○ If a power line falls never try to move it</li> <li>○ Contact emergency crews for assistance</li> <li>○ Be aware of the height of your equipment before proceeding under lines</li> </ul>
<p>Moving belts and mechanical parts</p>	<p>Workers can lose limbs and even their lives if they are not careful around moving belts and parts</p> <ul style="list-style-type: none"> <li>○ Can get caught in moving parts</li> <li>○ Can trip and fall</li> </ul>	<ul style="list-style-type: none"> <li>○ Workers should always be aware of equipment around them</li> <li>○ Always be aware of moving parts</li> <li>○ Never try to remove blockages from equipment that is moving</li> <li>○ Use protective guards when applicable</li> </ul>

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<p>Confined Spaces</p>	<p>Workers can encounter many small spaces that could become hazardous or life threatening</p> <ul style="list-style-type: none"> <li>○ Manure pits</li> <li>○ Silos</li> <li>○ Wells</li> <li>○ Tunnels</li> <li>○ Manure pits</li> </ul> <p>Workers can become trapped in these spaces with little to no oxygen</p>	<ul style="list-style-type: none"> <li>○ Should test oxygen levels before entering</li> <li>○ Wear proper harness</li> <li>○ Do not work alone for this task</li> <li>○ Have an escape route planned out</li> <li>○ Wear oxygen mask</li> <li>○ Have confined space training</li> <li>○ Enforce safety rules lead by example</li> </ul>
<p>Being Trapped</p>	<p>When working with handling grain workers run the risk of being trapped in silos.</p> <p>Workers can easily fall into grain and be suffocated and killed.</p> <p>This risk is high when workers walk on grain to make it flow</p>	<ul style="list-style-type: none"> <li>○ Wear safety harness when entering bins and silos</li> <li>○ Never enter silos unattended</li> <li>○ Never walk on grain to make it flow</li> <li>○ Don't enter bin when being loaded or unloaded</li> </ul>