

Training Module: What To Do In Case Of Grain Bin Entrapment

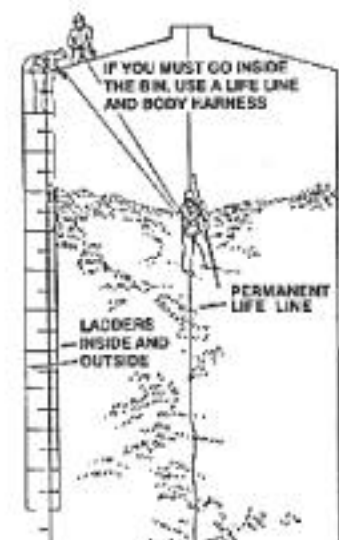
Objective: To know what course of action to take should someone become entrapped in a grain bin.

Trainer's Note: This session is an extension of the Grain Entrapment module. If helpful, use overhead transparencies of outline. Review the true/false quiz.

Background

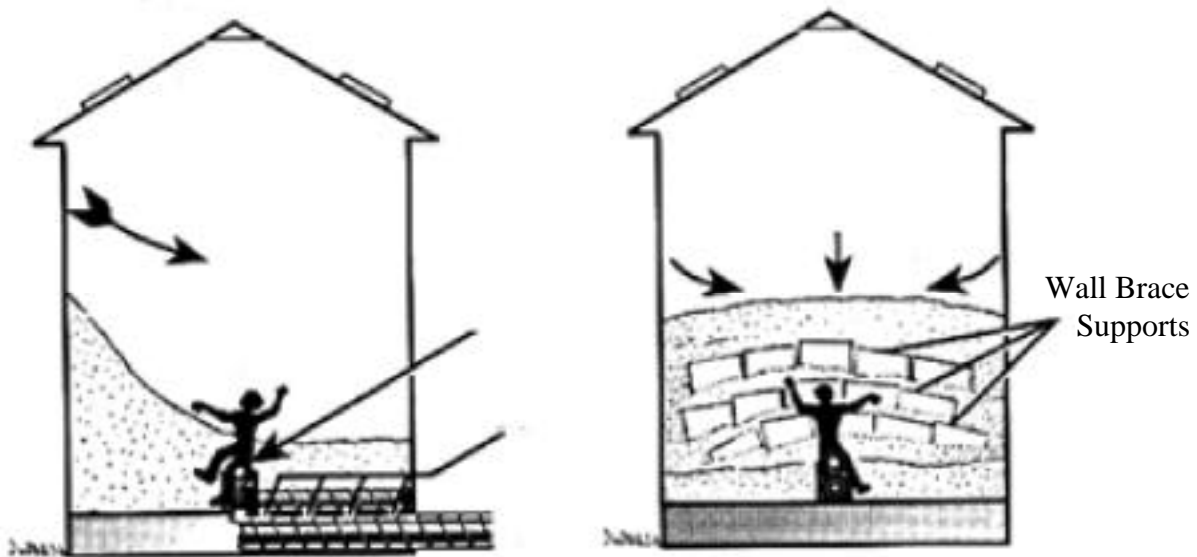
Entrapment in a grain bin can be very serious. Knowing the proper course of action can reduce rescue time and increase victim and rescuer safety.

- Turn off the auger or unloading equipment.
- Call the emergency rescue team or fire department.
- Be patient and do not give up. Individuals have survived for two hours completely submerged in grain. **Wait for the rescue squad before attempting rescue.**
- Offer assistance to rescuers, but follow the directions of the incident commander.
- **Do Not** activate the auger again until the victim is free.
- Ventilate the bin with an aeration system.
- **Do Not** activate the heat source.
- Avoid putting additional pressure on the victim.
- Only enter the bin **if absolutely necessary**, and only with safety lines.
- If you must enter the bin, use respiratory protection as required (dust filter masks, filter respirators, or a self-contained breathing apparatus).
- Gather plywood, sheet metal, bottomless large trash cans, or heavy cardboard cylinders for the rescuer to use to keep grain below the victim's chest.
- If the victim is not completely submerged, construct a retaining wall if the grain slope is above the victim's head.
- A series of retaining walls may be needed.
- Support or brace walls to prevent collapse.
- Remove grain from around the victim.
- Use a vacuum conveyor or scoop to remove grain from around victim.
- Put victim in a harness to keep victim from being swallowed by the grain.
- Be aware of the position of the victim's body.



Review The Following Points

- Shut off the electrical power to the unloading equipment and lockout to secure against accidental start up.
- Call the emergency rescue team or fire department.
- Wait for the rescue squad before attempting to rescue.
- Gather needed equipment for the rescue squad.
- Bin entry should be only **if absolutely necessary**, and safety lines must be worn.



True or False Answer Key

1. T, 2. F, 3. T, 4. T, 5. T

What To Do In Case Of Grain Bin Entrapment

True or False

Name _____

- | | | |
|--|---|---|
| 1. Employees should wait for emergency crews to arrive before attempting rescue. | T | F |
| 2. During a grain bin rescue the heat source should be activated instead of ventilating the bin. | T | F |
| 3. Call the emergency rescue team immediately. | T | F |
| 4. Offer assistance to the rescuers and follow their directions. | T | F |
| 5. Shut off the electrical power to the unloading equipment. | T | F |