

PLAYING IT SAFE AGRICULTURE



Grain Entrapment Hazards

Reduce your risk by following these simple guidelines

In the grain handling industry, entrapment in confined spaces is a real danger. When a grain storage facility empties, it creates a funnel-shaped flow pattern that can bury a person to the waist in fewer than 10 seconds. A trapped worker could be completely buried in less than one minute, and escape is difficult—if not impossible—because there is no stability while surrounded by moving grain.

Grain Guidelines

Prevent disaster by adhering to a few simple safety guidelines.

- Do not enter a bin, silo or tank without proper personal protective equipment (PPE). These environments can present serious respiratory problems.
- Follow proper safety procedures when entering a bin, silo or tank, including obtaining a confined space entry permit from your employer that ensures you understand the safety procedures. The confined space entry permit will be issued as sparingly as possible to encourage you to perform the required job by alternate means whenever possible.
- Do not enter a bin, silo or tank while grain is flowing and/or equipment is running and always double-check that the equipment is off.
- Do not enter a bin or silo if there is a

possibility the grain could be bridged. Bridging occurs when the ground appears to be solid grain, but there is actually empty space just under the surface and the grain makes a bridge over the void.

- Use an object to break up the surface of the grain before entering.
- Do not enter a bin, silo or tank where there is a buildup of grain products on the sides of the space that could fall or bury you.
- Be sure equipment is disconnected, blocked off, locked or tagged before entering confined space. This includes all electrical, pneumatic and hydraulic energy sources that could present a danger to you in confined space. Always double-check that all equipment is off.
- Always have an observer stationed outside the structure when you enter. This observer should be in constant communication with you and be able to provide assistance if something goes wrong.

Training

In addition to these guidelines, Ag Plus LP will provide you with extensive training and an emergency response program. Your safety is the first priority.

Be safe and healthy on the job at **Ag Plus LP** with these helpful tips provided by **USI Insurance Services**.

Though entrapment deaths have decreased recently, many accidents could have been avoided by practicing common sense.

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