

List of Agricultural Confined Spaces

Based upon the OSHA classifications, a review of the literature, and an analysis of documented fatalities and injuries, the following general categories and specific examples of confined spaces in agriculture have been identified:

1. Grain and Feed Storage Facilities
 - 1.1 Corrugated steel bins (all sizes)
 - 1.2 Steel tanks or silos
 - 1.3 Concrete silos
 - 1.4 Flat grain storage buildings
 - 1.5 Wooden feed storage structures
 - 1.6 Sumps and tunnels under storage facilities
 - 1.7 Open grain piles
2. Forage Storage Structures
 - 2.1 Concrete stave and poured silos, including those designed to be oxygen limiting
 - 2.2 Wooden silos
 - 2.3 Steel/ceramic-oxygen limiting silos (Harvestore[®])
 - 2.4 Horizontal or bunk silo
3. Manure Storage Structures
 - 3.1 Below floor storage pits
 - 3.2 Sump pits
 - 3.3 Above ground storage tanks (Slurrystore[®])
 - 3.4 Ponds, lagoons, and open pits
 - 3.5 Manure digesters
4. Agricultural Transport Vehicles
 - 4.1 Grain transport vehicles (trucks, gravity bed wagons, auger carts)
 - 4.2 Manure transport vehicles (tanks and applicators)
 - 4.3 Food grade bulk transport vehicles
 - 4.4 Sprayer and chemical transport vehicles

5. Agricultural Equipment

- 5.1 Combine separation area
- 5.2 Bale chamber on hay packaging equipment
- 5.3 Forge and silage dump wagons
- 5.4 Feed grinders/mixers
- 5.5 Feed mixer wagons
- 5.6 Cotton module builders
- 5.7 Grinder/mixer machines and tub grinders
- 5.8 Cabs/operator enclosures used to protect operators from toxic chemicals

6. Food Processing and Storage Equipment/Facilities

- 6.1 Storage tanks, bins, and silos
- 6.2 Fermentation vessels (pickling and wine vats)
- 6.3 Environmentally controlled fruit and vegetable storage units
- 6.4 Bulk liquid storage tanks (milk and juice)

7. Other

- 7.1 Containment areas around diked storage tanks
- 7.2 Trenching, tiling, and other on-farm construction/excavation sites
- 7.3 Culverts
- 7.4 Wells, cisterns, dry wells, septic tanks
- 7.5 Grain driers
- 7.6 Fuel storage tanks
- 7.7 Greenhouses (during certain operations such as fumigation)
- 7.8 Containment ponds