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OSHA involvement

- ▶ OSHA looked at total number of farm accidents declining
- ▶ Noticed grain bin entrapments were increasing
- ▶ Went to USDA who went to Purdue to collect data

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Method to unplug bins (list of items needed)

- ▶ Method involves a commercial air compressor using 250 cfm / minute
- ▶ ¾ inch pipe the length of radius of bin
- ▶ ¾ elbow (2)
- ▶ ¾ pipe stem the length of auger diameter
- ▶ Vise grips
- ▶ Claw hooks
- ▶ Hose
- ▶ Shorter ¾ pipe with end smashed shut , with 3/8 hole in side
- ▶ Valve

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Steps to unplug bin

- ▶ Remove power from motor
- ▶ Remove motor and auger
- ▶ Use vise grips to mark stem position
- ▶ Insert pipe into tube until sump is reached (use one elbow and stem)
- ▶ Turn on compressor and rotate stem in sump hole
- ▶ Remove pipe
- ▶ Shut trap
- ▶ Remove stem from elbow and insert second elbow forming a 180 degree angle
- ▶ Insert pipe with elbows blowing out product as you go
- ▶ Open trap and listen for product falling into sump
- ▶ Replace auger and motor
- ▶ May need to repeat process if bin plugs again
- ▶ Could drill 1/2 inch hole in bin and insert shorter pipe with 3/8 hole in end to go over intermediate well

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Pictures of pipe and elbow used


