



Causes of Grain Storage Problems

- Grain too wet
- Grain too warm
- Storage facilities not cleaned before filling
- Too much foreign material and fines
- Grain not checked often enough during storage
- Uneven grain temperatures in storage bin

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■ Extension

Grain Not Checked Often Enough

- Grain in storage should be checked
 - Weekly in fall and spring due to rapid temperature changes
 - Every 2-3 weeks in cold weather
 - Every 1-2 weeks in warm weather
- Small problems can quickly turn into large, expensive problems
- Mold and insects grow under similar conditions producing heat and moisture which can make the situation worse

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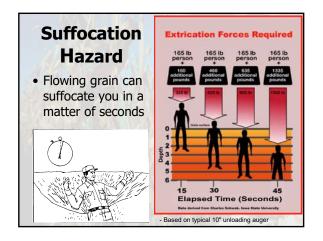
■ Extension

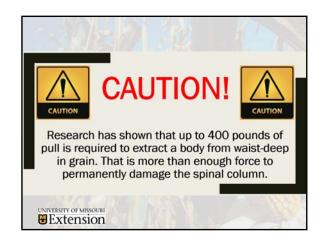
Grain Safety Tips

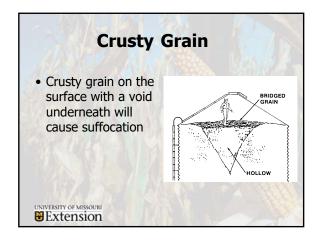
- Post signs on bins of entrapment hazards
- Install ladders inside bins
- Lock out children & bystanders from grain areas
 No one under age 18 in a confined space
- Manage & storage grain for quality
 - Out-of-condition grain crusts, won't flow
- · Avoid entering bins if at all possible
- Check bins for proper oxygen levels
- Run fans before entry to clear toxic fumes

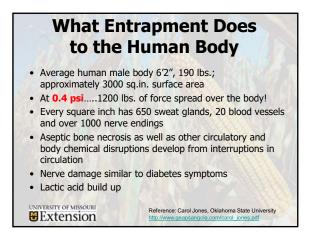
■Extension

Grain Safety Tips ₂ • Lockout/tagout power to unloading augers - Prevents anyone unknowing starting the equipment • Always work in tandem around bins; communicate • Never enter a bin of flowing grain - No escape within 3-5 seconds!





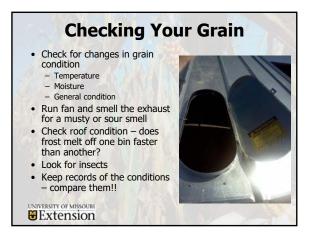












Checking Your Grain Moisture Pull multiple samples from various locations and depths − — Minimum is one from the center and one from the edge both approx. 3 feet from the surface Let samples warm to room temperature in sealed container or Ziploc bag BEFORE measuring UNIVERSITY OF MISSOURI EXTENSION

