

Gravity Flow Wagon

INSTRUCTIONS

This gravity flow wagon safety resource demonstrates how quickly a person can suffocate in flowing grain in a grain bin, cart or tractor trailer.

Target Age: Grade 2 to Adult

Equipment and Materials Included:

- Gravity flow wagon.
- Toy figure.

Equipment and Materials not Included:

- Clean grain to fill wagon (popcorn kernels or flax seed will also work).
- Container to catch the falling grain (an ice cream pail works well).

Setup:

- Close the wagon door securely.
- Place the wagon on a flat surface and fill 3/4 full with grain.
- Place the toy figure on top of the grain.



Procedure:

- Invite a group of up to 8 to get really close to the display. Offer a small sticker or other gift for "playing the game." Bring the audience's attention to the pull-up banner (*optional*) display with grain pouring into storage.
- Let members of the group place the toy figure on the grain.
- Open the wagon door and lead the audience in a loud count-down of the seconds it takes for the toy figure to completely disappear in the grain. You won't get higher than 7 or 8 seconds.
- Explain that the pressure from the surrounding grain will prevent the person from escaping (in 8 seconds or less) and that the all-but-certain outcome is death from suffocation.
- Ask how the audience feels having seen what happened. Ask what they will do to stay safe around grain. Stress that grain in a container or pile is not a safe place for a child to play.

For more information or to borrow the matching pull-up display, please contact the Canadian Agricultural Safety Association at (204) 452-2272 or email: info@casa-acsa.ca.

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