



MINNESOTA STATE

Southern Agricultural Center of Excellence

Thank you for your interest in the Minnesota State Southern Agricultural Center of Excellence Ag Safety Trailer. Each year, this trailer is used in Minnesota in a variety of ways to teach and demonstrate ag safety related topics through hands-on activities or demonstrations. The trailer has a 2" ball and is available to be checked out to be used at fairs, school ag safety days and other community ag safety events. Included exhibits in the trailer are:

Grain Bin Safety - This illustrates the strength that is needed to pull a person out of a grain bin once they've been entrapped. Included is a small cutout of a grain bin with a rope hanging coming out from the top. The rope is attached to a scale. The person pulls on the rope and the scale will show a number, indicating the amount of force that is exerted. Also included is a pull-up banner that shows the exertion of force that is needed to pull out an entrapped adult. The scale needs to be plugged in so this exhibit does need electricity. A cord is included.

Through a partnership with the Minnesota Department of Agriculture, a limited number of orange colored grain bin warning signs are available upon request.

Gravity Wagon Grain Flow - This small exhibit demonstrates how easy it is for a person to get pulled under grain when emptying a gravity flow wagon. It comes with a small gravity wagon, grain and a mini toy person. The gravity wagon is filled with grain and the person is placed on top. When the chute on the wagon is opened, observe how fast the person is pulled under the grain and through the chute.

Auger Safety - This exhibit is a cutout of an auger and simulates how articles of clothing can be caught on an auger and get pulled into it. One end of the auger has a hand crank and the opposite side has exposed flighting with a cage guard, that can be opened or closed. When cranking the auger, it's easy to show how loose articles of clothing can quickly catch and be pulled into the flighting of the auger. The cage guard is a safety device, but not foolproof as items can still be pulled in.

Agriculture Chemical Safety - This shows the importance of labeling chemicals and how a chemical may look like every day non-chemical items. It also stresses the importance of using personal protective equipment (PPE) when there is exposure to chemicals. This exhibit includes a dozen small mason jars with a substance inside of it. The top and bottom of the jar are labeled with two different items and the object is to guess what's inside of the jar. For example, a jar with a green liquid in it is labeled green Kool-Aid or antifreeze as they both look similar. The point is to make sure to clearly label chemicals. Also included are examples of PPE such as household gloves, chemical gloves, goggles, a respirator and a pull-up banner that shows the standard chemical safety symbols and what they mean.



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Lockout Tagout - Included with this exhibit is a breaker box with a lockout tagout tag stressing the importance of safe practices when equipment may be taken out of service for repair or maintenance.

Thanks to a partnership with the Minnesota Department of Agriculture, a limited number of Lockout Tagout tags are available upon request.

Pinch Points - This simple exhibit has pulleys and sprockets mounted on a piece of plywood showing various pinch points when using these items. As they are rotated, it shows how objects could be pinched, or cut off, if they are caught in the moving parts.

PTO – Power Take Off (PTO's) are very dangerous and are another way where articles of clothing can easily get pulled into the shaft and a person can be seriously or fatally injured. This exhibit includes a couple types of PTO's so that people can see what they look like. When PTO's are moving and attached to a tractor, they can become deadly if a person gets wrapped into it.



Please reach out to us with any questions:

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