

# GRAIN SYSTEMS SAFETY TRAILER

## LOCATION

Area 3 Training Center  
Calhoun, KY

## SPECIFICATIONS:

Length	38'	
Width	8'	
Height	12' (travel height)	20+ feet (working height)
Weight	(appx) 15,000 lbs	



## OBJECTIVES

Provide demonstrations about how people get trapped in flowing grain.  
Familiarize responders with equipment found around grain handling facilities.  
Demonstrate to responders procedures for executing a rescue from a grain storage facility.

## CAPABILITIES

This trailer travels with a 10K generator to supply the necessary power to operate the electric motors that move the grain from one tank to another. Once setup, the operator can demonstrate the flowing patterns of grain within the bin as well as in the grain tank. There are view ports in each tank to allow the student to see the grain flowing as well as the manikin as it is getting entrapped and sucked under the grain. There is a manikin and a rope system with in-line scales to demonstrate the amount of force it takes to pull someone out of the grain once they are entrapped. The grain bin has ports on opposing sides to allow the grain to be dumped from the bin without cutting the bin but to allow the responders to see the pattern of the grain flow when the sides would be cut during an actual rescue. The augers, elevators and electronic devices on the trailer are installed to code and allow the responders and audience to see the proper use of safety shielding. There are several visual aids that illustrate safety messages to the audience.