

Training Module: Preventing Machine Hazards

Objective: To reduce hazards and prevent accidents involving machinery.

Trainer's Note: Have experienced workers assist in the training for this session. Use a common piece of equipment to briefly review the proper steps for checking a piece of machinery before operating it. Demonstrate maintenance procedures and operate equipment to show the hazard areas.

Background

There are about 9,000 machine related injuries in Ohio each year. Proper training can prevent these injuries. Know how to operate a piece of machinery and inspect for problem areas before turning on the power. Avoid tripping hazards by keeping air hoses and extension cords out of the way.

Check before operating:

- Have you reviewed the owner's manual? It will provide operating, repairing, lubricating and fuel information.
- Are the Warning decals in place?
- Are the machine guards properly placed and in good condition?
- Are electrical lines damage free?
- Are air and hydraulic lines in good condition and not leaking?
- Is the setup a proper setup?
- Is the area around the machines orderly?
- Is the equipment jack in working order?

Personal Protection:

- Wear PPE, such as goggles, safety shoes and leather gloves.
- Long hair should be tied back or tucked under to avoid getting caught in machinery.
- Avoid wearing jewelry.

Machine Maintenance Checklist for Safety:

- Keep machines repaired, lubricated and adjusted.
- Clean up excess lubricants.
- Clearly mark control switches and valves that control machines.
- Check machines for emergency stop switches; they should be located on or near the machine so the machine can be turned off quickly if a malfunction occurs.

During Operation:

- Turn power off and remove key before working around or performing maintenance on the machine.
- Stay away from moving parts.

Review The Following Points

- Always wear PPE on the job.
- Avoid wearing jewelry, hair styles, or loose clothing that might get caught on machinery.
- Keep work space clutter free.
- Know how to use the machine safely before operating.

True or False Answer Key

1. T, 2. T, 3. F, 4. T, 5. T

True or False

Name _____

1. Before using a piece of machinery, know how to operate it safely. T F
2. Avoid wearing jewelry when working with machines on the farm or in the shop. T F
3. Wear tennis shoes when working on heavy machinery. T F
4. Knowing the location of the emergency stop switches could save a life. T F
5. Keep machines well maintained to guard against hazards. T F