

# Oregon OSHA Proposed Changes to Compactors and Balers in Agriculture

Text proposed to be removed is in [~~brackets with line through~~].

Text proposed to be added is in **bold and underlined**.

***NOTE: This was first proposed in March 2009. The comment period for the proposed new rule in Division 4/O – Agriculture/Equipment Guarding is extended through June 18, 2009.***

## Agriculture – Division 4/O

### STATIONARY COMPACTORS, SELF-CONTAINED COMPACTORS AND STATIONARY BALERS

OAR 437-004-2150

This applies to all, stationary compactors, self-contained compactors, and stationary balers.

**You must comply with:**  
**Subdivision 4/D applies for guarding all elevated surfaces, platforms, and stairs.**  
**Subdivision 4/J, Control of Hazardous Energy, for all maintenance, servicing, and repair activities.**  
**Subdivision 4/J Confined Space.**  
**Subdivision 4/O Machine Guarding for any hazard not covered in these rules.**

#### YOUR RESPONSIBILITY:

To protect employees from hazards associated with stationary compactors, self-contained compactors, and stationary balers.

#### Operators and other employees

(1) You must:

- Train and supervise equipment operators. Training must include information from the operation manual, when available, and these rules.
- Document the name(s) of the trainer and trainees along with the date of the training.
- Provide supervision to ensure employees follow correct operating procedures.
- Instruct all employees how to identify and report exposure to hazards.
- Prohibit wearing loose clothing, jewelry, or long, loose hair that can become entangled in the equipment.

### Installation, inspection and maintenance

#### (2) You must:

- Install the equipment according to the manufacturer's instructions.
- Keep the equipment in safe working order.
- Maintain the equipment according to manufacturer's recommendations, when available.
- Follow the manufacturer's recommendations for inspecting and testing. If the recommendations are not available inspect and test annually.
- Keep a record of inspections for a minimum of two years.
- Make sure that modifications do not diminish the original level of safety.
- Add safety precautions, resulting from modifications, to the operation manual, when available, and to the training information.
- Not allow the use of damaged, malfunctioning, or defective equipment.
- Ensure only qualified employees, trained and authorized by management, or authorized service technicians maintain and repair the equipment. Qualified employees must demonstrate a proficiency in maintaining and repairing the equipment.

### Guard moving parts

#### (3) You must:

- Have guards that prevent body parts from getting caught by moving parts during the equipment's cycle.
- Use sustained manual pressure controls when not using point of operation guarding.
- Make certain the point of operation is visible to the operator when using sustained manual pressure controls.
- Make sure equipment manufactured with interlocks will not function with the gate or door open.

### Controls

#### (4) You must:

- Clearly label the function of each control.
- Make sure controls are not subject to unintentional activation.
- Have stop controls that are red, a different size than other controls, and not recessed.
- Keep emergency stop controls readily accessible to the operator, or within 3 feet of the operating feed area or chute opening at the equipment location.

- Provide a way to stop the complete operation of the baler or compactor at any point in the cycle.
- Require horizontal balers with an automatic start to have a minimum 5-second audible and visual warning when the startup control is activated. Before the main motor starts, there must be visual warning lasting for not less than 10 additional seconds.
  - No alarm or delay is required when the horizontal baler is restarting from sleep mode.

### Access points for maintenance or repair

#### (5) You must:

- Make sure access covers
  - Have functional interlocks or locks that require hand tools for removal.
- Have warning signs on compactors that read:
  - Restricted Area, Authorized Employees Only
  - Warning – Stand Clear When Tailgate or Container is in Motion and During Loading and Unloading
  - Warning – This Compactor Starts Automatically
  - Warning – Gate Must Be Closed Before Operating This Compactor.
- Have warning signs on balers that read:
  - CAUTION – Stand clear when bale is ejected.
  - WARNING – This baler starts automatically.
  - DANGER – High Voltage.
  - DANGER – Disconnect and lock out power before opening this panel.
- Replace missing or defaced signs.

NOTE: Additional sign requirements are in ANSI Z245.2-1997 7.10, Compactors and ANSI Z245.5-1997 5.1.6, Balers for additional rules about signs.

### Immediate work area

#### (6) You must:

- Not allow clutter or waste material that causes a safety hazard or obstructs safe operation to accumulate around the operator station.
- Include warning signs at all loading points and the point of operation on automatic cycling equipment indicating that the baler or compactor starts automatically.