



Oregon Administrative Rules  
Chapter 437

Division 4  
Agriculture

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Worker Protection  
Standard

Subdivision

**W**

Administrative  
Order 2-2018



The Oregon Department of Consumer and Business Services adopted these rules pursuant to ORS 654.025(2).

The Secretary of State designated OAR Chapter 437 as the "Oregon Occupational Safety and Health Code." Six general subject areas within this code are designated as "Divisions."

- **Division 1** General Administrative Rules
- **Division 2** General Occupational Safety and Health Rules
- **Division 3** Construction
- **Division 4** Agriculture
- **Division 5** Maritime Activities
- **Division 7** Forest Activities
- **Oregon Revised Statutes (ORS) 654** The Oregon Safe Employment Act (OSEAct)

Oregon-initiated rules in this division of the Oregon Occupational Safety and Health Code are numbered in a uniform system developed by the Secretary of State. This system does not number the rules in sequence (001, 002, 003, etc.). Omitted numbers may be assigned to new rules at the time of their adoption.

**Oregon-initiated rules** are arranged in the following Basic Codification Structure adopted by the Secretary of State for Oregon Administrative Rules (OAR):

Chapter	Division	Rule	Section	Subsection	Paragraphs
<i>437</i>	<i>002</i>	<i>0322</i>	<i>(1)</i>	<i>(a)</i>	<i>(A)(i)(I)</i>

The majority of Oregon OSHA rules are adopted by reference from the Code of Federal Regulations (CFR), and are arranged in the following basic federal numbering system:

Chapter	Division	Part	Subpart (Subdivision)	Section	Paragraphs
437	002	1910	G	.303	(a)(1)(i)(A)(1)

The terms "subdivision" and "subpart" are synonymous within OAR 437, Oregon Occupational Safety and Health Code.

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To obtain an order form or copies of these codes, address:

**Department of Consumer & Business Services**  
**Oregon Occupational Safety & Health Division (Oregon OSHA)**  
**350 Winter St. NE**  
**Salem, OR 97301-3882**

Or call the Oregon OSHA Resource Library at 503-378-3272

The rules referenced in this division are available for viewing in the Office of the Secretary of State, Oregon State Archives Building, Salem, Oregon, or the Central Office, Oregon Occupational Safety and Health Division of the Department of Consumer and Business Services, 350 Winter St. NE, Salem, Oregon, and on our web site at [osha.oregon.gov](http://osha.oregon.gov).

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### ***437-004-6000 Adoption by Reference of Federal Worker Protection Standard***

*In addition to, and not in lieu of, any other safety and health codes contained in OAR Chapter 437, the Department adopts by reference the following federal regulations printed as part of the Code of Federal Regulations, 40 CFR 170, in the Federal Register:*

**Note:** Oregon OSHA did not adopt revisions to Sections 170.2; 170.135; 170.235 published in the November 2, 2015 Federal Register.

#### **(4) Subpart D--General Provisions**

- (a) 40 CFR 170.301 Scope and purpose.
- (b) 40 CFR 170.303 Applicability of this part.
- (c) 40 CFR 170.305 Definitions.
- (d) 40 CFR 170.309 Agricultural employer duties.
- (e) 40 CFR 170.311 Display requirements for pesticide safety information and pesticide application and hazard information.
- (f) 40 CFR 170.313 Commercial pesticide handler employer duties.
- (g) 40 CFR 170.315 Prohibited actions.

**Note:** Oregon OSHA did not adopt 170.317 Violations of this part.

#### **(5) Subpart E--Requirements for Protection of Agricultural Workers**

- (a) 40 CFR 170.401 Training requirements for workers.
- (b) 40 CFR 170.403 Establishment-specific information for workers.
- (c) 40 CFR 170.405 Entry restrictions associated with pesticide applications.
- (d) 40 CFR 170.407 Worker entry restrictions after pesticide applications.
- (e) 40 CFR 170.409 Oral and posted notification of worker entry restrictions.
- (f) 40 CFR 170.411 Decontamination supplies for workers.

#### **(6) Subpart F--Requirements for Protection of Agricultural Pesticide Handlers**

- (a) 40 CFR 170.501 Training requirements for handlers.

- (b) 40 CFR 170.503 Knowledge of labeling, application-specific, and establishment-specific information for handlers.
  - (c) 40 CFR 170.505 Requirements during applications to protect handlers, workers, and other persons.
  - (d) 40 CFR 170.507 Personal protective equipment.
  - (e) 40 CFR 170.509 Decontamination and eye flushing supplies for handlers.
- (7) Subpart G--Exemptions, Exceptions and Equivalency
- (a) 40 CFR 170.601 Exemptions.
  - (b) 40 CFR 170.603 Exceptions for entry by workers during restricted-entry intervals.
  - (c) 40 CFR 170.605 Agricultural employer responsibilities to protect workers entering treated areas during a restricted-entry interval.
  - (d) 40 CFR 170.607 Exceptions to personal protective equipment requirements specified on pesticide product labeling.

**Note:** Oregon OSHA did not adopt Sec. 170.609 Equivalency requests.

*These standards are available at the Oregon Occupational Safety and Health Division, Oregon Department of Consumer and Business Services, and the United States Government Printing Office.*

Stat. Auth.: ORS 654.025(2) and 656.726(4).  
Stats. Implemented: ORS 654.001 through 654.295.  
Hist: OR-OSHA Admin. Order 4-1998, f. 8/28/98, ef. 10/1/98.  
OR-OSHA Admin. Order 7-2004, f. 12/30/04, ef. 12/30/04.  
OR-OSHA Admin. Order 9-2006, f. 9/22/06, ef. 9/22/06.  
OR-OSHA Admin. Order 9-2009, f. 9/21/09, ef. 9/21/09.  
OR-OSHA Admin. Order 1-2017, f. 2/14/17, ef. 1/1/18.

### **437-004-6001      *Expiration and Implementation Dates***

- (1) *Expiration date. Division 4/W, 170.1 through 170.260 of the Worker Protection Standard shall expire on, and will no longer be effective after December 31, 2017.*
- (2) *Implementation date. Beginning January 1, 2018, the requirements of Division 4/W, 170.301 through 170.607; and 437-004-6001, 437-004-6401, 437-004-6501, 437-004-6502, 437-004-6508, and 437-004-6509, shall apply to the use of pesticide products as defined in Section 170.303 Applicability of the Worker Protection Standard.*

**Note:** Oregon OSHA is initiating a new rulemaking on OAR 437-004-6405 and OAR 437-004-6406 in early 2017 with the intention of adopting those rules into the modified Division 4/W Worker Protection Standard with an effective date of January 1, 2018.

Stat. Auth.: ORS 654.025(2) and 656.726(4).  
Stats. Implemented: ORS 654.001 – 654.295, 654.750 – 654.780.  
Hist.: OR-OSHA Admin. Order 1-2017, f. 2/14/17, ef. 1/1/18.





## Subpart D--General Provisions

### 170.301 Scope and purpose

This regulation is primarily intended to reduce the risks of illness or injury to workers and handlers resulting from occupational exposures to pesticides used in the production of agricultural plants on agricultural establishments. It requires agricultural employers and commercial pesticide handler employers to provide specific information and protections to workers, handlers and other persons when pesticides are used on agricultural establishments in the production of agricultural plants. It also requires handlers to wear the labeling-specified clothing and personal protective equipment when performing handler activities, and to take measures to protect workers and other persons during pesticide applications.

Stat. Auth.: ORS 654.025(2) and 656.726(4).  
Stats. Implemented: ORS 654.001 – 654.295, 654.750 – 654.780.  
Hist.: OR-OSHA Admin. Order 1-2017, f. 2/14/17, ef. 1/1/18.

### 170.303 Applicability of this part

- (a) This regulation applies whenever a pesticide product bearing a label requiring compliance with this part is used in the production of agricultural plants on an agricultural establishment, except as provided in paragraphs (b) and (c) of this section.
- (b) This regulation does not apply when a pesticide product bearing a label requiring compliance with this part is used on an agricultural establishment in any of the following circumstances:
  - (1) As part of government-sponsored public pest control programs over which the owner, agricultural employer and handler employer have no control, such as mosquito abatement and Mediterranean fruit fly eradication programs.
  - (2) On plants other than agricultural plants, which may include plants in home fruit and vegetable gardens and home greenhouses, and permanent plantings for ornamental purposes, such as plants that are in ornamental gardens, parks, public or private landscaping, lawns or other grounds that are intended only for aesthetic purposes or climatic modification.
  - (3) For control of vertebrate pests, unless directly related to the production of an agricultural plant.

- (4) As attractants or repellents in traps.
  - (5) On the harvested portions of agricultural plants or on harvested timber.
  - (6) For research uses of unregistered pesticides.
  - (7) On pasture and rangeland where the forage will not be harvested for hay.
  - (8) In a manner not directly related to the production of agricultural plants, including, but not limited to structural pest control and control of vegetation in non-crop areas.
- (c) Where a pesticide product's labeling-specific directions for use or other labeling requirements are inconsistent with requirements of this part, users must comply with the pesticide product labeling, except as provided for in Sec. 170.601, 170.603 and 170.607.

Stat. Auth.: ORS 654.025(2) and 656.726(4).  
Stats. Implemented: ORS 654.001 – 654.295, 654.750 – 654.780.  
Hist.: OR-OSHA Admin. Order 1-2017, f. 2/14/17, ef. 1/1/18.

## 170.305 Definitions

Terms used in this part have the same meanings they have in the Federal Insecticide, Fungicide, and Rodenticide Act, as amended. In addition, the following terms, when used in this part, shall have the following meanings:

**Agricultural employer** means any person who is an owner of, or is responsible for the management or condition of, an agricultural establishment, and who employs any worker or handler.

**Agricultural establishment** means any farm, forest operation, or nursery engaged in the outdoor or enclosed space production of agricultural plants. An establishment that is not primarily agricultural is an agricultural establishment if it produces agricultural plants for transplant or use (in part or their entirety) in another location instead of purchasing the agricultural plants.

**Agricultural plant** means any plant, or part thereof, grown, maintained, or otherwise produced for commercial purposes, including growing, maintaining or otherwise producing plants for sale or trade, for research or experimental purposes, or for use in part or their entirety in another location. Agricultural plant includes, but is not limited to, grains, fruits and vegetables; wood fiber or timber products; flowering and foliage plants and trees; seedlings and transplants; and turf grass produced for sod. Agricultural plant does not include pasture or rangeland used for grazing.

**Application exclusion zone** means the area surrounding the application equipment that must be free of all persons other than appropriately trained and equipped handlers during pesticide applications.

**Chemigation** means the application of pesticides through irrigation systems.

**Closed system** means an engineering control used to protect handlers from pesticide exposure hazards when mixing and loading pesticides.

**Commercial pesticide handler employer** means any person, other than an agricultural employer, who employs any handler to perform handler activities on an agricultural establishment. A labor contractor who does not provide pesticide application services or supervise the performance of handler activities, but merely employs laborers, who perform handler activities at the direction of an agricultural or handler employer, is not a commercial pesticide handler employer.

**Commercial pesticide handling establishment** means any enterprise, other than an agricultural establishment, that provides pesticide handler or crop advising services to agricultural establishments.

**Crop advisor** means any person who is assessing pest numbers, damage, pesticide distribution, or the status or requirements of agricultural plants.

**Designated representative** means any persons designated in writing by a worker or handler to exercise a right of access on behalf of the worker or handler to request and obtain a copy of the pesticide application and hazard information required by Sec. 170.309(h) in accordance with Sec. 170.311(b) of this part.

**Early entry** means entry by a worker into a treated area on the agricultural establishment after a pesticide application is complete, but before any restricted-entry interval for the pesticide has expired.

**Employ** means to obtain, directly or through a labor contractor, the services of a person in exchange for a salary or wages, including piece-rate wages, without regard to who may pay or who may receive the salary or wages. It includes obtaining the services of a self-employed person, an independent contractor, or a person compensated by a third party, except that it does not include an agricultural employer obtaining the services of a handler through a commercial pesticide handler employer or a commercial pesticide handling establishment.

**Enclosed cab** means a cab with a nonporous barrier that totally surrounds the occupant(s) of the cab and prevents dermal contact with pesticides that are being applied outside of the cab.

**Enclosed space production** means production of an agricultural plant indoors or in a structure or space that is covered in whole or in part by any nonporous covering and that is large enough to permit a person to enter.

**Fumigant** means any pesticide product that is a vapor or gas, or forms a vapor or gas upon application, and whose pesticidal action is achieved through the gaseous or vapor state.

**Hand labor** means any agricultural activity performed by hand or with hand tools that causes a worker to have substantial contact with plants, plant parts, or soil and other surfaces that may contain pesticide residues, except that hand labor does not include operating, moving, or repairing irrigation or watering equipment or performing crop advisor tasks.

**Handler** means any person, including a self-employed person, who is employed by an agricultural employer or commercial pesticide handler employer and performs any of the following activities:

- (1) Mixing, loading, or applying pesticides.
- (2) Disposing of pesticides.
- (3) Handling opened containers of pesticides, emptying, triple-rinsing, or cleaning pesticide containers according to pesticide product labeling instructions, or disposing of pesticide containers that have not been cleaned. The term does not include any person who is only handling unopened pesticide containers or pesticide containers that have been emptied or cleaned according to pesticide product labeling instructions.

**Note:** Unless pesticide containers have been emptied AND cleaned according to product labeling instructions, handling them is considered a type of handling activity.

- (4) Acting as a flagger.
- (5) Cleaning, adjusting, handling, or repairing the parts of mixing, loading, or application equipment that may contain pesticide residues.
- (6) Assisting with the application of pesticides.

- (7) Entering an enclosed space after the application of a pesticide and before the inhalation exposure level listed in the labeling has been reached or one of the ventilation criteria established by Sec. 170.405(b)(3) or the labeling has been met to operate ventilation equipment, monitor air levels, or adjust or remove coverings used in fumigation.
- (8) Entering a treated area outdoors after application of any soil fumigant during the labeling-specified entry-restricted period to adjust or remove coverings used in fumigation.
- (9) Performing tasks as a crop advisor during any pesticide application or restricted-entry interval, or before the inhalation exposure level listed in the pesticide product labeling has been reached or one of the ventilation criteria established by Sec. 170.405(b)(3) or the pesticide product labeling has been met.

**Handler employer** means any person who is self-employed as a handler or who employs any handler.

**Immediate family** is limited to the spouse, parents, stepparents, foster parents, father-in-law, mother-in-law, children, stepchildren, foster children, sons-in-law, daughters-in-law, grandparents, grandchildren, brothers, sisters, brothers-in-law, sisters-in-law, aunts, uncles, nieces, nephews, and first cousins. ``First cousin'' means the child of a parent's sibling, i.e., the child of an aunt or uncle.

**Note:** In Oregon, the farm's family members include all of the immediate family listed above and any blood relative living as a dependent of the core family. Farm family members do not fall under the rules and jurisdiction of Oregon OSHA whether or not they elect workers' compensation coverage. Where farms also hire non-family workers, Oregon OSHA will only cite for violations where the non-family workers are or could be exposed to the hazard.

**Labor contractor** means a person, other than a commercial pesticide handler employer, who employs workers or handlers to perform tasks on an agricultural establishment for an agricultural employer or a commercial pesticide handler employer.

**Outdoor production** means production of an agricultural plant in an outside area that is not enclosed or covered in any way that would obstruct the natural air flow.

**Owner** means any person who has a present possessory interest (e.g., fee, leasehold, rental, or other) in an agricultural establishment. A person who has both leased such agricultural establishment to another person and granted that same person the right and full authority to manage and govern the use of such agricultural establishment is not an owner for purposes of this part.

**Personal protective equipment** means devices and apparel that are worn to protect the body from contact with pesticides or pesticide residues, including, but not limited to, coveralls, chemical-resistant suits, chemical-resistant gloves, chemical-resistant footwear, respirators, chemical-resistant aprons, chemical-resistant headgear, and protective eyewear.

**Restricted-entry interval** means the time after the end of a pesticide application during which entry into the treated area is restricted.

**Safety data sheet** has the same meaning as the definition at 29 CFR 1910.1200(c).

**Treated area** means any area to which a pesticide is being directed or has been directed.

**Use**, as in "to use a pesticide" means any of the following:

- (1) Pre-application activities, including, but not limited to:
  - (i) Arranging for the application of the pesticide.
  - (ii) Mixing and loading the pesticide.
  - (iii) Making necessary preparations for the application of the pesticide, including responsibilities related to worker notification, training of workers or handlers, providing decontamination supplies, providing pesticide safety information and pesticide application and hazard information, use and care of personal protective equipment, providing emergency assistance, and heat stress management.
- (2) Application of the pesticide.

- (3) Post-application activities intended to reduce the risks of illness and injury resulting from handlers' and workers' occupational exposures to pesticide residues during and after the restricted-entry interval, including responsibilities related to worker notification, training of workers or early-entry workers, providing decontamination supplies, providing pesticide safety information and pesticide application and hazard information, use and care of personal protective equipment, providing emergency assistance, and heat stress management.
- (4) Other pesticide-related activities, including, but not limited to, transporting or storing pesticides that have been opened, cleaning equipment, and disposing of excess pesticides, spray mix, equipment wash waters, pesticide containers, and other pesticide-containing materials.

**Worker** means any person, including a self-employed person, who is employed and performs activities directly relating to the production of agricultural plants on an agricultural establishment.

**Note:** Oregon statutes define workers (employees) more generally to include any individual, including a minor, whether lawfully or unlawfully employed, who engages to furnish services for remuneration, financial or otherwise, subject to the direction and control of an employer.

**Worker housing area** means any place or area of land on or near an agricultural establishment where housing or space for housing is provided for workers or handlers by an agricultural employer, owner, labor contractor, or any other person responsible for the recruitment or employment of agricultural workers.

Stat. Auth.: ORS 654.025(2) and 656.726(4).  
Stats. Implemented: ORS 654.001 – 654.295, 654.750 – 654.780.  
Hist.: OR-OSHA Admin. Order 1-2017, f. 2/14/17, ef. 1/1/18.

## 170.309 Agricultural employer duties

Agricultural employers must:

- (a) Ensure that any pesticide is used in a manner consistent with the pesticide product labeling, including the requirements of this part, when applied on the agricultural establishment.
- (b) Ensure that each worker and handler subject to this part receives the protections required by this part.
- (c) Ensure that any handler and any early entry worker is at least 18 years old.

- (d) Provide to each person, including labor contractors, who supervises any workers or handlers information and directions sufficient to ensure that each worker and handler receives the protections required by this part. Such information and directions must specify the tasks for which the supervisor is responsible in order to comply with the provisions of this part.
- (e) Require each person, including labor contractors, who supervises any workers or handlers to provide sufficient information and directions to each worker and handler to ensure that they can comply with the provisions of this part.
- (f) Provide emergency assistance in accordance with this paragraph. If there is reason to believe that a worker or handler has experienced a potential pesticide exposure during his or her employment on the agricultural establishment or shows symptoms similar to those associated with acute exposure to pesticides during or within 72 hours after his or her employment on the agricultural establishment, and needs emergency medical treatment, the agricultural employer must do all of the following promptly after learning of the possible poisoning or injury:
- (1) Make available to that person transportation from the agricultural establishment, including any worker housing area on the establishment, to an operating medical care facility capable of providing emergency medical treatment to a person exposed to pesticides.
  - (2) Provide all of the following information to the treating medical personnel:
    - (i) Copies of the applicable safety data sheet(s) and the product name(s), EPA registration number(s) and active ingredient(s) for each pesticide product to which the person may have been exposed.
    - (ii) The circumstances of application or use of the pesticide on the agricultural establishment.
    - (iii) The circumstances that could have resulted in exposure to the pesticide.
- (g) Ensure that workers or other persons employed by the agricultural establishment do not clean, repair, or adjust pesticide application equipment, unless trained as a handler under Sec. 170.501. Before allowing any person not directly employed by the agricultural establishment to clean, repair, or adjust equipment that has been used to mix, load, transfer, or apply pesticides, the agricultural employer must provide all of the following information to such person:



- (1) Pesticide application equipment may be contaminated with pesticides.
- (2) The potentially harmful effects of exposure to pesticides.
- (3) Procedures for handling pesticide application equipment and for limiting exposure to pesticide residues.
- (4) Personal hygiene practices and decontamination procedures for preventing pesticide exposures and removing pesticide residues.

**Note:** Oregon OSHA did not adopt Sec. 170.501(c)(2) or (3). OAR 437-004-6501 applies instead.

- (h) Display, maintain, and provide access to pesticide safety information and pesticide application and hazard information in accordance with Sec. 170.311 if workers or handlers are on the establishment and within the last 30 days a pesticide product has been used or a restricted-entry interval for such pesticide has been in effect on the establishment.
- (i) Ensure that before a handler uses any equipment for mixing, loading, transferring, or applying pesticides, the handler is instructed in the safe operation of such equipment.
- (j) Ensure that before each day of use, equipment used for mixing, loading, transferring, or applying pesticides is inspected for leaks, clogging, and worn or damaged parts, and any damaged equipment is repaired or replaced.
- (k) Ensure that whenever handlers employed by a commercial pesticide handling establishment will be on an agricultural establishment, the handler employer is provided information about, or is aware of, the specific location and description of any treated areas on the agricultural establishment where a restricted-entry interval is in effect that the handler may be in (or may walk within 1/4 mile of), and any restrictions on entering those areas.
- (l) Ensure that workers do not enter any area on the agricultural establishment where a pesticide has been applied until the applicable pesticide application and hazard information for each pesticide product applied to that area is displayed in accordance with Sec. 170.311(b), and until after the restricted-entry interval has expired and all treated area warning signs have been removed or covered, except for entry permitted by Sec. 170.603 of this part.
- (m) Provide any records or other information required by this part for inspection and copying upon request by an employee of EPA or any duly authorized representative of a Federal, State or Tribal government agency responsible for pesticide enforcement.

Stat. Auth.: ORS 654.025(2) and 656.726(4).  
Stats. Implemented: ORS 654.001 – 654.295, 654.750 – 654.780.  
Hist.: OR-OSHA Admin. Order 1-2017, f. 2/14/17, ef. 1/1/18.

## 170.311 Display requirements for pesticide safety information and pesticide application and hazard information

(a) Display of Pesticide Safety Information. Whenever pesticide safety information and pesticide application and hazard information are required to be provided under Sec. 170.309(h), pesticide safety information must be displayed in accordance with this paragraph.

(1) General. The pesticide safety information must be conveyed in a manner that workers and handlers can understand.

**Note:** Oregon OSHA did not adopt 170.311(a)(2)(i)-(ix). The pesticide safety information required to be posted prior to January 1, 2017 is described in Sections 170.135 and 170.235 of the Worker Protection Standard.

(3) Content after January 1, 2018. After January 1, 2018, the pesticide safety information must include all of the points in Sec. 170.311(a)(3)(i)-(x) instead of the points listed in Sec. 170.311(a)(2)(i)-(ix).

- (i) Avoid getting on the skin or into the body any pesticides that may be on or in plants, soil, irrigation water, tractors, and other equipment, on used personal protective equipment, or drifting from nearby applications.
- (ii) Wash before eating, drinking, using chewing gum or tobacco, or using the toilet.
- (iii) Wear work clothing that protects the body from pesticide residues (long-sleeved shirts, long pants, shoes and socks, and a hat or scarf).
- (iv) Wash or shower with soap and water, shampoo hair, and put on clean clothes after work.
- (v) Wash work clothes separately from other clothes before wearing them again.

- (vi) If pesticides are spilled or sprayed on the body use decontamination supplies to wash immediately, or rinse off in the nearest clean water, including springs, streams, lakes or other sources if more readily available than decontamination supplies, and as soon as possible, wash or shower with soap and water, shampoo hair, and change into clean clothes.
  - (vii) Follow directions about keeping out of treated areas and application exclusion zones.
  - (viii) Instructions to employees to seek medical attention as soon as possible if they believe they have been poisoned, injured or made ill by pesticides.
  - (ix) The name, address, and telephone number of a nearby operating medical care facility capable of providing emergency medical treatment. This information must be clearly identified as emergency medical contact information on the display.
  - (x) The name, address and telephone number of the State or Tribal pesticide regulatory agency.
- (4) Changes to pesticide safety information. The agricultural employer must update the pesticide safety information display within 24 hours of notice of any changes to the information required in Sec. 170.311(a)(2)(viii) or 170.311(a)(3)(ix).
- Note:** The required safety information referred to in (4) is the name, address, and telephone number of the facility identified as emergency medical contact.
- (5) Location. The pesticide safety information must be displayed at each of the following sites on the agricultural establishment:
- (i) The site selected pursuant to Sec. 170.311(b)(2) for display of pesticide application and hazard information.
  - (ii) Anywhere that decontamination supplies must be provided on the agricultural establishment pursuant to Sec. Sec. 170.411, 170.509 or 170.605, but only when the decontamination supplies are located at permanent sites or being provided at locations and in quantities to meet the requirements for 11 or more workers or handlers.
- (6) Accessibility. When pesticide safety information is required to be displayed, workers and handlers must be allowed access to the pesticide safety information at all times during normal work hours.

(7) Legibility. The pesticide safety information must remain legible at all times when the information is required to be displayed.

(b) Keeping and displaying pesticide application and hazard information.

Whenever pesticide safety information and pesticide application and hazard information is required to be provided under Sec. 170.309(h), pesticide application and hazard information for any pesticides that are used on the agricultural establishment must be displayed, retained, and made accessible in accordance with this paragraph.

**Note:** The full requirements of the Hazard Communication Standard apply in Oregon. For employers subject to the Division 4 rules, Division 4/Z, OAR 437-004-9800 applies. For employers subject to the Division 2 and/or the Division 7 rules, Division 2/Z, 1910.1200 applies.

(1) Content. The pesticide application and hazard information must include all of the following information for each pesticide product applied:

(i) A copy of the safety data sheet.

(ii) The name, EPA registration number, and active ingredient(s) of the pesticide product.

(iii) The crop or site treated and the location and description of the treated area.

(iv) The date(s) and times the application started and ended.

(v) The duration of the applicable labeling-specified restricted-entry interval for that application.

(2) Location. The pesticide application and hazard information must be displayed at a place on the agricultural establishment where workers and handlers are likely to pass by or congregate and where it can be readily seen and read.

(3) Accessibility. When the pesticide application and hazard information is required to be displayed, workers and handlers must be allowed access to the location of the information at all times during normal work hours.

(4) Legibility. The pesticide application and hazard information must remain legible at all times when the information is required to be displayed.

- (5) Timing. The pesticide application and hazard information for each pesticide product applied must be displayed no later than 24 hours after the end of the application of the pesticide. The pesticide application and hazard information must be displayed continuously from the beginning of the display period until at least 30 days after the end of the last applicable restricted-entry interval, or until workers or handlers are no longer on the establishment, whichever is earlier.
- (6) Record retention. Whenever pesticide safety information and pesticide application and hazard information is required to be displayed in accordance with this paragraph (b), the agricultural employer must retain the pesticide application and hazard information described in Sec. 170.311(b)(1) on the agricultural establishment for two years after the date of expiration of the restricted-entry interval applicable to the pesticide application conducted.

**Note:** The full requirements of 1910.1020, Access to Employee Exposure and Medical Records apply in Oregon.

- (7) Access to pesticide application and hazard information by a worker or handler.
- (i) If a person is or was employed as a worker or handler by an establishment during the period that particular pesticide application and hazard information was required to be displayed and retained for two years in accordance with Sec. 170.311(b)(5) and 170.311(b)(6), and the person requests a copy of such application and/or hazard information, or requests access to such application and/or hazard information after it is no longer required to be displayed, the agricultural employer must provide the worker or handler with a copy of or access to all of the requested information within 15 days of the receipt of any such request. The worker or handler may make the request orally or in writing.
- (ii) Whenever a record has been previously provided without cost to a worker or handler or their designated representative, the agricultural employer may charge reasonable, non-discriminatory administrative costs (i.e., search and copying expenses but not including overhead expenses) for a request by the worker or handler for additional copies of the record.

- (8) Access to pesticide application and hazard information by treating medical personnel. Any treating medical personnel, or any person acting under the supervision of treating medical personnel, may request, orally or in writing, access to or a copy of any information required to be retained for two years by Sec. 170.311(b)(6) in order to inform diagnosis or treatment of a worker or handler who was employed on the establishment during the period that the information was required to be displayed. The agricultural employer must promptly provide a copy of or access to all of the requested information applicable to the worker's or handler's time of employment on the establishment after receipt of the request.
- (9) Access to pesticide application and hazard information by a designated representative.
- (i) Any worker's or handler's designated representative may request access to or a copy of any information required to be retained for two years by Sec. 170.311(b)(6) on behalf of a worker or handler employed on the establishment during the period that the information was required to be displayed. The agricultural employer must provide access to or a copy of the requested information applicable to the worker's or handler's time of employment on the establishment within 15 days after receiving any such request, provided the request meets the requirements specified in Sec. 170.311(b)(9)(ii).
- (ii) A request by a designated representative for access to or a copy of any pesticide application and/or hazard information must be in writing and must contain all of the following:
- (A) The name of the worker or handler being represented.
- (B) A description of the specific information being requested. The description should include the dates of employment of the worker or handler, the date or dates for which the records are requested, type of work conducted by the worker or handler (e.g., planting, harvesting, applying pesticides, mixing or loading pesticides) during the period for which the records are requested, and the specific application and/or hazard information requested.

- (C) A written statement clearly designating the representative to request pesticide application and hazard information on the worker's or handler's behalf, bearing the worker's or handler's printed name and signature, the date of the designation, and the printed name and contact information for the designated representative.
- (D) If the worker or handler requests that the pesticide application and/or the hazard information be sent, direction for where to send the information (e.g., mailing address or email address).
- (iii) If the written request from a designated representative contains all of the necessary information specified in Sec. 170.313(b)(9)(ii), the employer must provide a copy of or access to all of the requested information applicable to the worker's or handler's time of employment on the establishment to the designated representative within 15 days of receiving the request.
- (iv) Whenever a record has been previously provided without cost to a worker or handler or their designated representative, the agricultural employer may charge reasonable, non-discriminatory administrative costs (i.e., search and copying expenses but not including overhead expenses) for a request by the designated representative for additional copies of the record.

Stat. Auth.: ORS 654.025(2) and 656.726(4).  
Stats. Implemented: ORS 654.001 – 654.295, 654.750 – 654.780.  
Hist.: OR-OSHA Admin. Order 1-2017, f. 2/14/17, ef. 1/1/18.

### **170.313 Commercial pesticide handler employer duties**

Commercial pesticide handler employers must:

- (a) Ensure that any pesticide is used in a manner consistent with the pesticide product labeling, including the requirements of this part, when applied on an agricultural establishment by a handler employed by the commercial pesticide handling establishment.
- (b) Ensure each handler employed by the commercial pesticide handling establishment and subject to this part receives the protections required by this part.
- (c) Ensure that any handler employed by the commercial pesticide handling establishment is at least 18 years old.

- (d) Provide to each person, including labor contractors, who supervises any handlers employed by the commercial pesticide handling establishment, information and directions sufficient to ensure that each handler receives the protections required by this part. Such information and directions must specify the tasks for which the supervisor is responsible in order to comply with the provisions of this part.
- (e) Require each person, including labor contractors, who supervises any handlers employed by the commercial pesticide handling establishment, to provide sufficient information and directions to each handler to ensure that the handler can comply with the provisions of this part.
- (f) Ensure that before any handler employed by the commercial pesticide handling establishment uses any equipment for mixing, loading, transferring, or applying pesticides, the handler is instructed in the safe operation of such equipment.
- (g) Ensure that, before each day of use, equipment used by their employees for mixing, loading, transferring, or applying pesticides is inspected for leaks, obstructions, and worn or damaged parts, and any damaged equipment is repaired or is replaced.
- (h) Ensure that whenever a handler who is employed by a commercial pesticide handling establishment will be on an agricultural establishment, the handler is provided information about, or is aware of, the specific location and description of any treated areas where a restricted-entry interval is in effect, and the restrictions on entering those areas.
- (i) Provide the agricultural employer all of the following information before the application of any pesticide on an agricultural establishment:
  - (1) Specific location(s) and description of the area(s) to be treated.
  - (2) The date(s) and start and estimated end times of application.
  - (3) Product name, EPA registration number, and active ingredient(s).
  - (4) The labeling-specified restricted-entry interval applicable for the application.
  - (5) Whether posting, oral notification or both are required under Sec. 170.409.



- (6) Any restrictions or use directions on the pesticide product labeling that must be followed for protection of workers, handlers, or other persons during or after application.
- (j) If there are any changes to the information provided in Sec. 170.313(i)(1), Sec. 170.313(i)(4), Sec. 170.313(i)(5), Sec. 170.313(i)(6) or if the start time for the application will be earlier than originally forecasted or scheduled, ensure that the agricultural employer is provided updated information prior to the application. If there are any changes to any other information provided pursuant to Sec. 170.313(i), the commercial pesticide handler employer must provide updated information to the agricultural employer within two hours after completing the application. Changes to the estimated application end time of less than one hour need not be reported to the agricultural employer.
- (k) Provide emergency assistance in accordance with this paragraph. If there is reason to believe that a handler employed by the commercial pesticide handling establishment has experienced a potential pesticide exposure during his or her employment by the commercial pesticide handling establishment or shows symptoms similar to those associated with acute exposure to pesticides during or within 72 hours after his or her employment by the commercial pesticide handling establishment, and needs emergency medical treatment, the commercial pesticide handler employer must do all of the following promptly after learning of the possible poisoning or injury:
- (1) Make available to that person transportation from the commercial pesticide handling establishment, or any agricultural establishment on which that handler may be working on behalf of the commercial pesticide handling establishment, to an operating medical care facility capable of providing emergency medical treatment to a person exposed to pesticides.
  - (2) Provide all of the following information to the treating medical personnel:
    - (i) Copies of the applicable safety data sheet(s) and the product name(s), EPA registration number(s) and active ingredient(s) for each pesticide product to which the person may have been exposed.
    - (ii) The circumstances of application or use of the pesticide.
    - (iii) The circumstances that could have resulted in exposure to the pesticide.

- (l) Ensure that persons directly employed by the commercial pesticide handling establishment do not clean, repair, or adjust pesticide application equipment, unless trained as a handler under Sec. 170.501. Before allowing any person not directly employed by the commercial pesticide handling establishment to clean, repair, or adjust equipment that has been used to mix, load, transfer, or apply pesticides, the commercial pesticide handler employer must provide all of the following information to such persons:
- (1) Notice that the pesticide application equipment may be contaminated with pesticides.
  - (2) The potentially harmful effects of exposure to pesticides.
  - (3) Procedures for handling pesticide application equipment and for limiting exposure to pesticide residues.
  - (4) Personal hygiene practices and decontamination procedures for preventing pesticide exposures and removing pesticide residues.
- (m) Provide any records or other information required by this part for inspection and copying upon request by an employee of EPA or any duly authorized representative of a Federal, State or Tribal government agency responsible for pesticide enforcement.

Stat. Auth.: ORS 654.025(2) and 656.726(4).  
Stats. Implemented: ORS 654.001 – 654.295, 654.750 – 654.780.  
Hist.: OR-OSHA Admin. Order 1-2017, f. 2/14/17, ef. 1/1/18.

## 170.315 Prohibited actions

No agricultural employer, commercial pesticide handler employer, or other person involved in the use of a pesticide to which this part applies, shall intimidate, threaten, coerce, or discriminate against any worker or handler for complying with or attempting to comply with this part, or because the worker or handler provided, caused to be provided or is about to provide information to the employer or the EPA or any duly authorized representative of a Federal, State or Tribal government regarding conduct that the worker or handler reasonably believes violates this part, has made a complaint, testified, assisted, or participated in any manner in an investigation, proceeding, or hearing concerning compliance with this part, or has objected to, or refused to participate in, any activity, policy, practice, or assigned task that the worker or handler reasonably believed to be in violation of this part. Any such intimidation, threat, coercion, or discrimination violates FIFRA section 12(a)(2)(G), 7 U.S.C. 136(a)(2)(G).

Stat. Auth.: ORS 654.025(2) and 656.726(4).  
Stats. Implemented: ORS 654.001 – 654.295, 654.750 – 654.780.  
Hist.: OR-OSHA Admin. Order 1-2017, f. 2/14/17, ef. 1/1/18.

**Note:** Oregon OSHA did not adopt 170.317 Violations of this part. In Oregon, violations of any Oregon OSHA standards including the Worker Protection Standard will be subject to Oregon OSHA penalties as established in OAR Chapter 437, Division 1, General Administrative Rules, under the provisions of the Oregon Safe Employment Act.



## Subpart E--Requirements for Protection of Agricultural Workers

### 170.401 Training requirements for workers

- (a) General requirement. Before any worker performs any task in a treated area on an agricultural establishment where within the last 30 days a pesticide product has been used or a restricted-entry interval for such pesticide has been in effect, the agricultural employer must ensure that each worker has been trained in accordance with this section within the last 12 months, except as provided in paragraph (b) of this section.
- (b) Exceptions. The following workers need not be trained under this section:
- (1) A worker who is currently certified as an applicator of restricted use pesticides under part 171 of this chapter.

**Note:** Part 171 of Chapter 40 CFR is about the certification of pesticide applicators; in Oregon, it is administered by the Oregon Department of Agriculture.

- (2) A worker who has satisfied the handler training requirements in Sec. 170.501.
  - (3) A worker who is certified or licensed as a crop advisor by a program acknowledged as appropriate in writing by EPA or the State or Tribal agency responsible for pesticide enforcement, provided that such certification or licensing requires pesticide safety training that includes all the topics in Sec. 170.501(c)(2) or Sec. 170.501(c)(3) as applicable depending on the date of training.
- (c) Training programs.

- (1) Pesticide safety training must be presented to workers either orally from written materials or audio-visually, at a location that is reasonably free from distraction and conducive to training. All training materials must be EPA-approved. The training must be presented in a manner that the workers can understand, such as through a translator. The training must be conducted by a person who meets the worker trainer requirements of paragraph (c)(4) of this section, and who must be present during the entire training program and must respond to workers' questions.

**Note:** Oregon OSHA did not adopt Sec. 170.401(c)(2) or (3). OAR 437-004-6401 applies instead. Workers using an exception to the training requirements for crop advisors – as described in 170.401(b)(3) of the Worker Protection Standard – must demonstrate that the program included all the topics listed in OAR 437-004-6501.

### **437-004-6401**     *Effective dates for worker training programs in Oregon*

*Beginning on January 1, 2018, training programs for workers must include, at a minimum, all of the following topics:*

- (1) The responsibility of agricultural employers to provide workers and handlers with information and protections designed to reduce work-related pesticide exposures and illnesses. This includes ensuring workers and handlers have been trained on pesticide safety, providing pesticide safety and application and hazard information, decontamination supplies and emergency medical assistance, and notifying workers of restrictions during applications and on entering pesticide treated areas. A worker or handler may designate in writing a representative to request access to pesticide application and hazard information.*
- (2) How to recognize and understand the meaning of the posted warning signs used for notifying workers of restrictions on entering pesticide treated areas on the establishment.*
- (3) How to follow directions and/or signs about keeping out of pesticide treated areas subject to a restricted-entry interval and application exclusion zones.*
- (4) Where and in what forms pesticides may be encountered during work activities, and potential sources of pesticide exposure on the agricultural establishment. This includes exposure to pesticide residues that may be on or in plants, soil, tractors, application and chemigation equipment, or used personal protective equipment, and that pesticides may drift through the air from nearby applications or be in irrigation water.*
- (5) Potential hazards from toxicity and exposure that pesticides present to workers and their families, including acute and chronic effects, delayed effects, and sensitization.*
- (6) Routes through which pesticides can enter the body.*
- (7) Signs and symptoms of common types of pesticide poisoning.*
- (8) Emergency first aid for pesticide injuries or poisonings.*

- (9) Routine and emergency decontamination procedures, including emergency eye flushing techniques, and if pesticides are spilled or sprayed on the body to use decontamination supplies to wash immediately or rinse off in the nearest clean water, including springs, streams, lakes or other sources if more readily available than decontamination supplies, and as soon as possible, to wash or shower with soap and water, shampoo hair, and change into clean clothes.*
- (10) How and when to obtain emergency medical care.*
- (11) Instructions to wear work clothing that protects the body from pesticide residues and wash hands before eating, drinking, using chewing gum or tobacco, or using the toilet, when working in pesticide treated areas.*
- (12) Instructions to wash or shower with soap and water, shampoo hair, and change into clean clothes as soon as possible after working in pesticide treated areas.*
- (13) Information about the potential hazards from pesticide residues on clothing.*
- (14) Wash work clothes before wearing them again and wash them separately from other clothes.*
- (15) Do not take pesticides or pesticide containers used at work to your home.*
- (16) Safety data sheets provide hazard, emergency medical treatment and other information about the pesticides used on the establishment they may come in contact with. The responsibility of agricultural employers to do all of the following:*
- (a) Display safety data sheets for all pesticides used on the establishment.*
  - (b) Provide workers and handlers information about the location of the safety data sheets on the establishment.*
  - (c) Provide workers and handlers unimpeded access to safety data sheets during normal work hours.*
- (17) The rule prohibits agricultural employers from allowing or directing any worker to mix, load or apply pesticides or assist in the application of pesticides unless the worker has been trained as a handler.*
- (18) The responsibility of agricultural employers to provide specific information to workers before directing them to perform early-entry activities. Workers must be 18 years old to perform early-entry activities.*
- (19) Potential hazards to children and pregnant women from pesticide exposure.*

- (20) Instructions to keep children and nonworking family members away from pesticide treated areas.*
- (21) Instructions to remove work boots or shoes before entering your home, and remove work clothes and wash or shower before physical contact with children or family members, after working in pesticide treated areas.*
- (22) How to report suspected pesticide use violations to the State or Tribal agency responsible for pesticide enforcement.*
- (23) The rule prohibits agricultural employers from intimidating, threatening, coercing, or discriminating against any worker or handler for complying with or attempting to comply with the requirements of this rule, or because the worker or handler provided, caused to be provided or is about to provide information to the employer, or the EPA or its agents, or to Oregon OSHA regarding conduct that the employee reasonably believes violates these rules, and/or made a complaint, testified, assisted, or participated in any manner in an investigation, proceeding, or hearing concerning compliance with these rules.*

Stat. Auth.: ORS 654.025(2) and 656.726(4).

Stats. Implemented: ORS 654.001 – 654.295, 654.750 – 654.780.

Hist.: OR-OSHA Admin. Order 1-2017, f. 2/14/17, ef. 1/1/18.

#### 170.401 (c) Training Programs

- (4) The person who conducts the training must meet one of the following criteria:
- (i) Be designated as a trainer of certified applicators, handlers or workers by EPA or the State or Tribal agency responsible for pesticide enforcement.
  - (ii) Have completed an EPA-approved pesticide safety train-the-trainer program for trainers of workers.
  - (iii) Be currently certified as an applicator of restricted use pesticides under part 171 of this chapter.

**Note:** Part 171 of Chapter 40 CFR is about the certification of pesticide applicators; in Oregon, it is administered by the Oregon Department of Agriculture.

#### (d) Recordkeeping



- (1) For each worker required to be trained under paragraph (a), the agricultural employer must maintain on the agricultural establishment, for two years from the date of the training, a record documenting each worker's training including all of the following:
  - (i) The trained worker's printed name and signature.
  - (ii) The date of the training.
  - (iii) Information identifying which EPA-approved training materials were used.
  - (iv) The trainer's name and documentation showing that the trainer met the requirements of Sec. 170.401(c)(4) at the time of training.
  - (v) The agricultural employer's name.
- (2) An agricultural employer who provides, directly or indirectly, training required under paragraph (a) must provide to the worker upon request a copy of the record of the training that contains the information required under Sec. 170.401(d)(1).

Stat. Auth.: ORS 654.025(2) and 656.726(4).  
Stats. Implemented: ORS 654.001 – 654.295, 654.750 – 654.780.  
Hist.: OR-OSHA Admin. Order 1-2017, f. 2/14/17, ef. 1/1/18.

### **170.403 Establishment-specific information for workers**

Before any worker performs any activity in a treated area on an agricultural establishment where within the last 30 days a pesticide product has been used, or a restricted-entry interval for such pesticide has been in effect, the agricultural employer must ensure that the worker has been informed of, in a manner the worker can understand, all of the following establishment-specific information:

- (a) The location of pesticide safety information required by Sec. 170.311(a).
- (b) The location of pesticide application and hazard information required by Sec. 170.311(b).
- (c) The location of decontamination supplies required by Sec. 170.411.

Stat. Auth.: ORS 654.025(2) and 656.726(4).  
Stats. Implemented: ORS 654.001 – 654.295, 654.750 – 654.780.  
Hist.: OR-OSHA Admin. Order 1-2017, f. 2/14/17, ef. 1/1/18.

## 170.405 Entry restrictions associated with pesticide applications

**Note:** Oregon OSHA has declined to adopt 40 CFR 170.405(a). In Oregon OAR 437-004-6405 applies.

### ***437-004-6405 Restrictions associated with outdoor production pesticide applications***

*This rule applies in Oregon where workers or other people are adjacent to pesticides being applied in outdoor production areas that are within the boundaries of the establishment. This rule becomes effective January 1, 2019.*

**Note:** *Nothing in these rules affects separate statutory or regulatory requirements such as the buffer zone requirement related to aerial herbicide applications in forestry operations (ORS 527.672).*

- (1) Treated area: The area to which a pesticide is being directed and/or deposited during an application. After the application is complete, the treated area is subject to the labeling-specified restricted-entry interval (REI) and the post-application entry restrictions specified in Sec. 170.407 of the Worker Protection Standard (WPS).*
- (2) Enclosed agricultural structure: a fully-enclosed space (has walls, ceilings, and floors that minimize the entry of outside air when doors, windows, and mechanical air intakes are closed) with an interior area that shelters occupants from dermal exposure to pesticide spray drift.*
- (3) Application Exclusion Zone (AEZ): The AEZ is an area that moves with and exists in relationship to the application equipment. The number of feet shown is the horizontal radius of the area surrounding the application equipment during the application process and may extend beyond the treated area. It extends downward from that horizontal plane to the ground. Pesticide labels that have more stringent restrictions regarding distances must be followed. The agricultural employer must implement the AEZ as follows:
  - (a) Workers and labor housing occupants must evacuate the AEZ, which shall extend 150 feet from the application equipment and last until 15 minutes after the application equipment passes, when the label requires the handler to use respiratory protection during application and one of the following applies:
    - (A) The application is by air blast sprayer;*
    - (B) The pesticide is applied aerially;***

- (C) The spray quality is smaller than medium;*
- (b) Workers and labor housing occupants must either remain in an enclosed agricultural structure or evacuate the AEZ, which shall extend 100 feet from the application equipment and last until 15 minutes after the application equipment passes, when the label does not require the handler to use respiratory protection during application and one of the following applies:*
- (A) The application is by air blast sprayer;*
- (B) The pesticide is applied aerially;*
- (C) The spray quality is smaller than medium.*

**Note:** *Workers not on paid status or labor housing occupants must be permitted to evacuate even if the employer otherwise chooses to allow them to remain in an enclosed agricultural structure.*

- (c) Workers and labor housing occupants must either remain in an enclosed agricultural structure or evacuate the AEZ, which shall extend 25 feet from the application equipment when all of the following apply:*
- (A) The application is not by air blast sprayer;*
- (B) The pesticide is not applied aerially;*
- (C) The pesticide is sprayed from a height greater than 12 inches from the planting medium;*
- (D) The spray quality is medium or larger;*
- (d) No AEZ applies for appropriately trained and equipped handlers involved in the application.*

**Note:** *No AEZ is required for applications not covered by the above. Examples include applications of granular, soil incorporated (other than fumigants) pre-plant, dipping cuttings, and at-plant pesticide applications as long as they are applied from a distance of less than 12 inches from the planting medium and use a spray quality of medium or larger.*

See [Figure 1 - Worker Protection Standard, Application Exclusion Zone Decision Matrix](#).

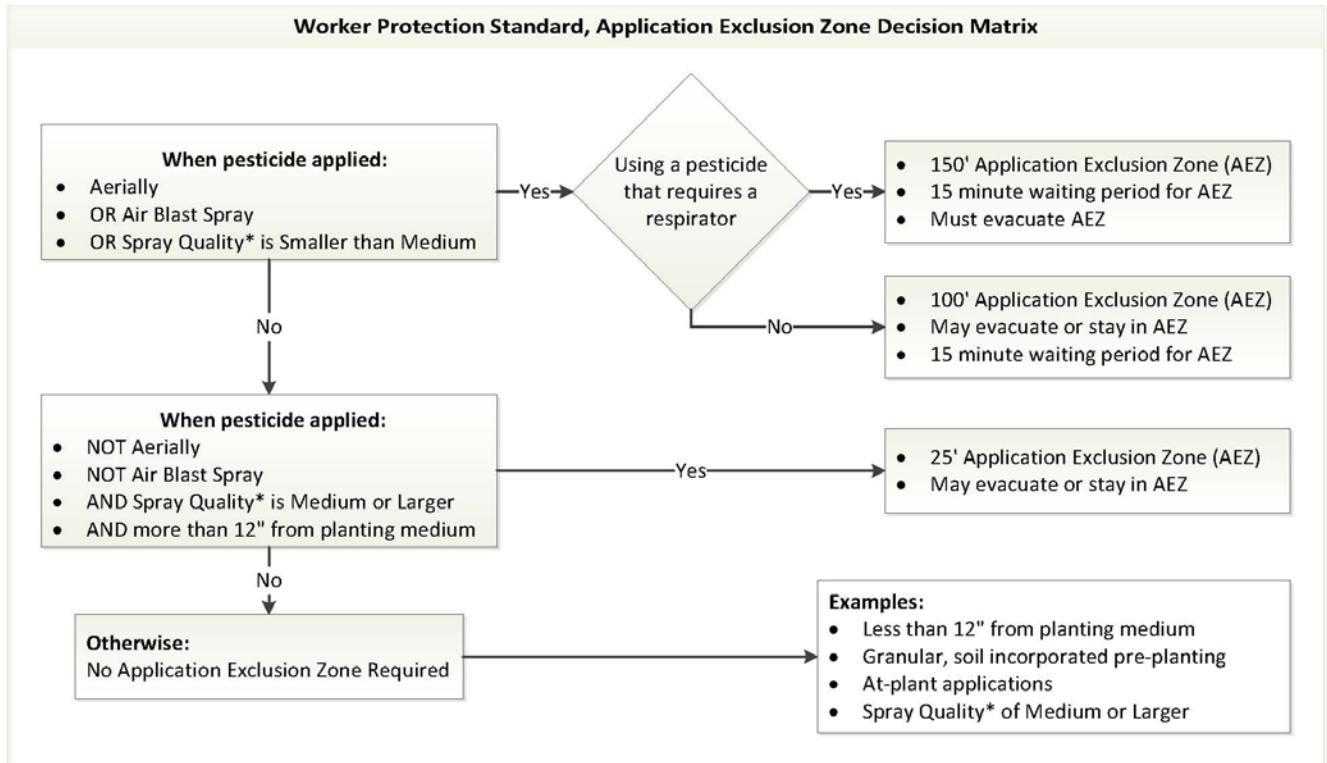
- (4) The agricultural employer must ensure that prior to pesticide applications, any enclosed agricultural structures (labor housing or work-related structures) that are located within the AEZ and that are used at any time by employees and other occupants must have all of the following:*

- (a) All doors and windows closed;*
  - (b) Any air in-take devices or mechanisms turned off;*
  - (c) Provisions to protect or store personal or household items that are not located in an enclosed agricultural structure from potential contamination;*
  - (d) A closeable storage area for shoes/boots to prevent tracking of pesticide into the structures where people live or reside.*
- (5) Employers must provide the following information in a manner that is easy to understand and effectively conveys the information needed prior to the pesticide application, to occupants of an enclosed agricultural structure in the AEZ:*
- (a) Instructions on closing windows and doors to minimize exposure to outside air regardless of whether they are staying inside the enclosed agricultural structure or evacuating during nearby pesticide applications.*
  - (b) Instructions on how to close potential air-intakes and any other measures to minimize exposure to outside air during nearby pesticide applications.*
  - (c) The start and stop times for remaining inside the enclosed agricultural structures and how to determine when the application equipment is in range.*
  - (d) Instructions as to whether people can, as appropriate, evacuate or stay in an enclosed agricultural structure, how to maintain protective measures, and how long they must remain outside the AEZ.*
  - (e) Instructions on how to protect personal or household items in the AEZ from potential contamination.*
  - (f) Instructions on how to report pesticide residue or deposit on enclosed agricultural structures, personal, or household items in AEZ.*
- (6) Employers must provide information and ensure that all adult occupants of agriculture labor housing within the AEZ have access to:*
- (a) An information station located in close proximity to agriculture labor housing that contains information on pending applications, with a means of alerting occupants to changing information.*
  - (b) Information on how to prevent and reduce pesticide exposure.*

(c) Information about the location of the pesticide safety information required by Sec. 170.311(a)

(7) If anyone other than a trained and protected handler exits an enclosed agricultural structure and enters the AEZ the handler must suspend the pesticide application as per Sec. 170.505(b).

Figure 1 - Worker Protection Standard, Application Exclusion Zone Decision Matrix



*\*Spray quality: (as defined by the American Society of Agricultural and Biological Engineers Standard S-572.1) considers several factors including the nozzle design, system pressure, and speed of the application equipment. The eight spray quality categories are referenced in nozzle charts:*

*Smaller than medium (droplet spectrum with volume median diameter of less than 294 microns+):*

- Extra fine (XF)*
- Very fine (VF)*
- Fine (F)*

*Medium or larger (droplet spectrum with volume median diameter of 294 microns+ or more):*

*Medium (M)*

*Coarse (C)*

*Very coarse (VC)*

*Extra coarse (XC)*

*Ultra coarse (UC)*

*+Micron = (um) =micrometer: Standard unit of measure for particulate matter.*

*1 um is 1/1000th of a millimeter.*

Stat. Auth.: ORS 654.025(2) and 656.726(4).

Stats. Implemented: ORS 654.001 – 654.295, 654.750 – 654.780.

Hist.: OR-OSHA Admin. Order 2-2018, f. 06/29/18, ef. 01/01/19.

#### **437-004-6406 Pesticide spray drift and innovative methods**

*(1) In the event that drift makes contact with labor housing areas or other structures used by employees, including enclosed agricultural structures within an AEZ, the employer must ensure that it is properly cleaned up with a minimum of employee or housing occupant exposure.*

***Note:** Identifying and addressing any issues resulting from the spray application are the responsibility of the employer; any employees assigned these duties must have training appropriate to the job expectations.*

*(2) To encourage innovation, including the use of EPA's Drift Reduction Technology and other methods that the employer can demonstrate reduce the potential for spray drift, Oregon OSHA may grant approval for an AEZ that differs from the rule requirements yet meets the intent of these rules through the variance process described in OAR 437-001-0400.*

***Note:** Examples of possible innovations include:*

- Advanced application practices for handlers in the prevention of spray drift (which may include using only one side of the application equipment) and the use of the Environmental Protection Agency's Drift Reduction Technologies*
- Two applicators, one monitoring conditions and remaining in contact with applicator of the treated area*
- Safer chemicals and chemistries*

Stat. Auth.: ORS 654.025(2) and 656.726(4).

Stats. Implemented: ORS 654.001 – 654.295, 654.750 – 654.780.

Hist.: OR-OSHA Admin. Order 2-2018, f. 06/29/18, ef. 01/01/19.

**170.405 (b) Enclosed space production pesticide applications.**

- (1) During any enclosed space production pesticide application described in column A of the Table under paragraph (b)(4) of this section, the agricultural employer must not allow or direct any worker or other person, other than an appropriately trained and equipped handler involved in the application, to enter or to remain in the area specified in column B of the Table under paragraph (b)(4) of this section during the application and until the time specified in column C of the Table under paragraph (b)(4) of this section has expired.
- (2) After the time specified in column C of the Table under paragraph (b)(4) of this section has expired, the area subject to the labeling-specified restricted-entry interval and the post-application entry restrictions specified in Sec. 170.407 is the area specified in column D of the Table under paragraph (b)(4) of this section.
- (3) When column C of the Table under paragraph (b)(4) of this section specifies that ventilation criteria must be met, ventilation must continue until the air concentration is measured to be equal to or less than the inhalation exposure level required by the labeling. If no inhalation exposure level is listed on the labeling, ventilation must continue until after one of the following conditions is met:
  - (i) Ten air exchanges are completed.
  - (ii) Two hours of ventilation using fans or other mechanical ventilating systems.
  - (iii) Four hours of ventilation using vents, windows, or other passive ventilation.
  - (iv) Eleven hours with no ventilation followed by one hour of mechanical ventilation.
  - (v) Eleven hours with no ventilation followed by two hours of passive ventilation.
  - (vi) Twenty-four hours with no ventilation.
- (4) The following Table applies to 170.405 paragraphs (b)(1), (2), and (3):

Table 1 – Entry Restrictions During Enclosed Space Production Pesticide Applications

<b>A. When a pesticide is applied:</b>	<b>B. Workers and other persons, other than appropriately trained and equipped handlers, are prohibited in:</b>	<b>C. Until:</b>	<b>D. After the expiration of time specified in column C, the area subject to the restricted-entry interval is:</b>
(1) As a fumigant.	Entire enclosed space plus any adjacent structure or area that cannot be sealed off from the treated area.	The ventilation criteria of 170.405 (b)(3) are met	No post-application entry restrictions required by § 170.407 after criteria in column C are met.
(2) As a (i) Smoke, or (ii) Mist, or (iii) Fog, or (iv) As a spray using a spray quality (droplet spectrum) of smaller than medium (volume median diameter of less than 294 microns).	Entire enclosed space.	The ventilation criteria of 170.405 (b)(3) are met.	Entire enclosed space.
(3) Not as in (1) or (2), and for which a respiratory protection device is required for application by the pesticide product labeling.	Treated area plus 25 feet in all directions of the treated area, but not outside the enclosed space.	The ventilation criteria of 170.405 (b)(3) are met.	Treated area.
(4) Not as in (1), (2) or (3), and: (i) From a height of greater than 12 inches from the planting medium, or (ii) As a spray using a spray quality (droplet spectrum) of medium or larger (volume median diameter of 294 microns or greater).	Treated area plus 25 feet in all directions of the treated area, but not outside the enclosed space.	Application is complete.	Treated area.
(5) Otherwise.	Treated area.	Application is complete.	Treated area.

Stat. Auth.: ORS 654.025(2) and 656.726(4).  
 Stats. Implemented: ORS 654.001 – 654.295, 654.750 – 654.780.  
 Hist.: OR-OSHA Admin. Order 1-2017, f. 2/14/17, ef. 1/1/18.



## 170.407 Worker entry restrictions after pesticide applications

- (a) After the application of any pesticide to an area of outdoor production, the agricultural employer must not allow or direct any worker to enter or to remain in the treated area before the restricted-entry interval specified on the pesticide product labeling has expired and all treated area warning signs have been removed or covered, except for early-entry activities permitted by Sec. 170.603.
- (b) After the application of any pesticide to an area of enclosed space production, the agricultural employer must not allow or direct any worker to enter or to remain in the areas specified in column D of the Table in Sec. 170.405(b)(4), before the restricted-entry interval specified on the pesticide product labeling has expired and all treated area warning signs have been removed or covered, except for early-entry activities permitted by Sec. 170.603.
- (c) When two or more pesticides are applied to a treated area at the same time, the applicable restricted-entry interval is the longest of all applicable restricted-entry intervals.

Stat. Auth.: ORS 654.025(2) and 656.726(4).  
Stats. Implemented: ORS 654.001 – 654.295, 654.750 – 654.780.  
Hist.: OR-OSHA Admin. Order 1-2017, f. 2/14/17, ef. 1/1/18.

## 170.409 Oral and posted notification of worker entry restrictions

- (a) General Requirement. The agricultural employer must notify workers of all entry restrictions required by Sec. 170.405 and 170.407 in accordance with this section.

**Note:** Oregon OSHA did not adopt 170.405(a) Outdoor production pesticide applications. OAR 437-004-6405, when adopted, will apply instead.

### (1) Type of notification required.

- (i) Double notification. If the pesticide product labeling has a statement requiring both the posting of treated areas and oral notification to workers, the agricultural employer must post signs in accordance with paragraph (b) of this section and must also provide oral notification of the application to workers in accordance with paragraph (c) of this section.

- (ii) Outdoor production areas subject to restricted-entry intervals greater than 48 hours. If a pesticide with product labeling that requires a restricted-entry interval greater than 48 hours is applied to an outdoor production area, the agricultural employer must notify workers of the application by posting warning signs in accordance with paragraph (b) of this section.
  - (iii) Outdoor production areas subject to restricted-entry intervals equal to or less than 48 hours. If a pesticide with product labeling that requires a restricted-entry interval equal to or less than 48 hours is applied to an outdoor production area, the agricultural employer must notify workers of the application either by posting warning signs in accordance with paragraph (b) of this section or by providing workers with an oral warning in accordance with paragraph (c) of this section.
  - (iv) Enclosed space production areas subject to restricted-entry intervals greater than four hours. If a pesticide with product labeling that requires a restricted-entry interval greater than four hours is applied to an enclosed space production area, the agricultural employer must notify workers of the application by posting warning signs in accordance with paragraph (b) of this section.
  - (v) Enclosed space production areas subject to restricted-entry intervals equal to or less than four hours. If a pesticide with product labeling that requires a restricted-entry interval equal to or less than four hours is applied to an enclosed space production area, the agricultural employer must notify workers of the application either by posting warning signs in accordance with paragraph (b) of this section or by providing workers with an oral warning in accordance with paragraph (c) of this section.
- (2) Exceptions. Notification does not need to be given to a worker if the agricultural employer can ensure that one of the following is met:
- (i) From the start of the application in an enclosed space production area until the end of any restricted-entry interval, the worker will not enter any part of the entire enclosed structure or space.
  - (ii) From the start of the application to an outdoor production area until the end of any restricted-entry interval, the worker will not enter, work in, remain in, or pass on foot through the treated area or any area within 1/4-mile of the treated area on the agricultural establishment.

- (iii) The worker was involved in the application of the pesticide as a handler, and is aware of all information required by paragraph (c)(1) of this section.

**Note:** Workers must be notified if they will be working in or passing through unprotected areas within 1/4-mile (1320 ft.) of the outdoor application site.

- (b) Requirements for posted warning signs. If notification by posted warning signs is required pursuant to paragraph (a) of this section, the agricultural employer must, unless otherwise prescribed by the label, ensure that all warning signs meet the requirements of this paragraph. When several contiguous areas are to be treated with pesticides on a rotating or sequential basis, the entire area may be posted. Worker entry is prohibited for the entire area while the signs are posted, except for entry permitted by Sec. 170.603 of this part.

(1) General. The warning signs must meet all of the following requirements:

- (i) Be one of the three sizes specified in paragraph (b)(3) of this section and comply with the posting placement and spacing requirements applicable to that sign size.
- (ii) Be posted prior to but no earlier than 24 hours before the scheduled application of the pesticide.
- (iii) Remain posted throughout the application and any restricted-entry interval.
- (iv) Be removed or covered within three days after the end of the application or any restricted-entry interval, whichever is later, except that signs may remain posted after the restricted-entry interval has expired as long as all of the following conditions are met:
  - (A) The agricultural employer instructs any workers on the establishment that may come within 1/4-mile of the treated area not to enter that treated area while the signs are posted.
  - (B) The agricultural employer ensures that workers do not enter the treated area while the signs remain posted, other than entry permitted by Sec. 170.603 of this part.
- (v) Remain visible and legible during the time they are required to be posted.

(2) Content.

- (i) The warning sign must have a white background. The words "DANGER" and "PELIGRO," plus "PESTICIDES" and "PESTICIDAS," must be at the top of the sign, and the words "KEEP OUT" and "NO ENTRE" must be at the bottom of the sign. Letters for all words must be clearly legible. A circle containing an upraised hand on the left and a stern face on the right must be near the center of the sign. The inside of the circle must be red, except that the hand and a large portion of the face must be in white. The length of the hand must be at least twice the height of the smallest letters. The length of the face must be only slightly smaller than the hand. Additional information such as the name of the pesticide and the date of application may appear on the warning sign if it does not detract from the size and appearance of the sign or change the meaning of the required information. An example of a warning sign meeting these requirements, other than the size and color requirements, follows:



(ii) The agricultural employer may replace the Spanish language portion of the warning sign with equivalent terms in an alternative non-English language if that alternative language is the language read by the largest group of workers at that agricultural establishment who do not read English. The alternative language sign must be in the same format as the original sign and conform to all other requirements of paragraph (b)(2)(i) of this section.

(3) Size and posting.

(i) The standard sign must be at least 14 inches by 16 inches with letters at least one inch in height.

(ii) When posting an outdoor production area using the standard sign, the signs must be visible from all reasonably expected points of worker entry to the treated area, including at least each access road, each border with any worker housing area within 100 feet of the treated area and each footpath and other walking route that enters the treated area. Where there are no reasonably expected points of worker entry, signs must be posted in the corners of the treated area or in any other location affording maximum visibility.

(iii) When posting an enclosed space production area using the standard sign and the entire structure or space is subject to the labeling-specified restricted-entry interval and the post-application entry restrictions specified in Sec. 170.407, the signs must be posted so they are visible from all reasonably expected points of worker entry to the structure or space. When posting treated areas in enclosed space production using the standard sign and the treated area only comprises a subsection of the structure or space, the signs must be posted so they are visible from all reasonably expected points of worker entry to the treated area including each aisle or other walking route that enters the treated area. Where there are no reasonably expected points of worker entry to the treated area, signs must be posted in the corners of the treated area or in any other location affording maximum visibility.

- (iv) If a smaller warning sign is used with "DANGER" and "PELIGRO" in letters at least 7/8 inch in height and the remaining letters at least 1/2 inch in height and a red circle at least three inches in diameter containing an upraised hand and a stern face, the signs must be posted no farther than 50 feet apart around the perimeter of the treated area in addition to the locations specified in paragraphs (b)(3)(ii) or (b)(3)(iii) of this section.
  - (v) If a smaller sign is used with "DANGER" and "PELIGRO" in letters at least 7/16 inch in height and the remaining letters at least 1/4 inch in height and a red circle at least one and a half inches in diameter containing an upraised hand and a stern face, the signs must be posted no farther than 25 feet apart around the perimeter of the treated area in addition to the locations specified in paragraphs (b)(3)(ii) or (b)(3)(iii) of this section.
  - (vi) A sign with "DANGER" and "PELIGRO" in letters less than 7/16 inch in height or with any words in letters less than 1/4 inch in height or a red circle smaller than one and a half inches in diameter containing an upraised hand and a stern face will not satisfy the requirements of the rule.
- (c) Oral warnings – Requirement. If oral notification is required pursuant to paragraph (a) of this section, the agricultural employer must provide oral warnings to workers in a manner that the workers can understand. If a worker will be on the establishment when an application begins, the warning must be given before the application begins. If a worker arrives on the establishment while an application is taking place or a restricted-entry interval for a pesticide application is in effect, the warning must be given at the beginning of the worker's work period. The warning must include all of the following:
- (1) The location(s) and description of any treated area(s) subject to the entry restrictions during and after application specified in Sec. 170.405 and 170.407.
  - (2) The dates and times during which entry is restricted in any treated area(s) subject to the entry restrictions during and after application specified in Sec. 170.405 and 170.407.

- (3) Instructions not to enter the treated area or an application exclusion zone during application, and that entry to the treated area is not allowed until the restricted-entry interval has expired and all treated area warning signs have been removed or covered, except for entry permitted by Sec. 170.603 of this part.

**Note:** Oregon OSHA did not adopt 170.405(a) Outdoor production pesticide applications. OAR 437-004-6405, when adopted, will apply instead.

Stat. Auth.: ORS 654.025(2) and 656.726(4).  
Stats. Implemented: ORS 654.001 – 654.295, 654.750 – 654.780.  
Hist.: OR-OSHA Admin. Order 1-2017, f. 2/14/17, ef. 1/1/18.

### 170.411 Decontamination supplies for workers

- (a) Requirement. The agricultural employer must provide decontamination supplies for routine washing and emergency decontamination in accordance with this section for any worker on an agricultural establishment who is performing an activity in an area where a pesticide was applied and who contacts anything that has been treated with the pesticide, including, but not limited to, soil, water, and plants.
- (b) Materials and quantities. The decontamination supplies required in paragraph (a) of this section must include at least 1 gallon of water per worker at the beginning of each worker's work period for routine washing and emergency decontamination, soap, and single-use towels. The supplies must meet all of the following requirements:
- (1) Water. At all times when this part requires agricultural employers to make water available to workers, the agricultural employer must ensure that it is of a quality and temperature that will not cause illness or injury when it contacts the skin or eyes or if it is swallowed. If a water source is used for mixing pesticides, it must not be used for decontamination, unless equipped with properly functioning valves or other mechanisms that prevent contamination of the water with pesticides, such as anti-backflow siphons, one-way or check valves, or an air gap sufficient to prevent contamination.
  - (2) Soap and single-use towels. The agricultural employer must provide soap and single-use towels for drying in quantities sufficient to meet the workers' reasonable needs. Hand sanitizing gels and liquids or wet towelettes do not meet the requirement for soap. Wet towelettes do not meet the requirement for single-use towels.



(c) Timing.

- (1) If any pesticide with a restricted-entry interval greater than four hours was applied, the decontamination supplies must be provided from the time workers first enter the treated area until at least 30 days after the restricted-entry interval expires.
  - (2) If the only pesticides applied in the treated area are products with restricted-entry intervals of four hours or less, the decontamination supplies must be provided from the time workers first enter the treated area until at least seven days after the restricted-entry interval expires.
- (d) Location. The decontamination supplies must be located together outside any treated area or area subject to a restricted-entry interval, and must be reasonably accessible to the workers. The decontamination supplies must not be more than 1/4 mile from where workers are working, except that where workers are working more than 1/4 mile from the nearest place of vehicular access or more than 1/4 mile from any non-treated area, the decontamination supplies may be at the nearest place of vehicular access outside any treated area or area subject to a restricted-entry interval.

Stat. Auth.: ORS 654.025(2) and 656.726(4).

Stats. Implemented: ORS 654.001 – 654.295, 654.750 – 654.780.

Hist.: OR-OSHA Admin. Order 1-2017, f. 2/14/17, ef. 1/1/18.



## Subpart F--Requirements for Protection of Agricultural Pesticide Handlers

### 170.501 Training requirements for handlers

- (a) General requirement. Before any handler performs any handler activity involving a pesticide product, the handler employer must ensure that the handler has been trained in accordance with this section within the last 12 months, except as provided in paragraph (b) of this section.
- (b) Exceptions. The following handlers need not be trained under this section:
- (1) A handler who is currently certified as an applicator of restricted use pesticides under part 171 of this chapter.

**Note:** Part 171 of Chapter 40 CFR is about the certification of pesticide applicators; in Oregon, it is administered by the Oregon Department of Agriculture.

- (2) A handler who is certified or licensed as a crop advisor by a program acknowledged as appropriate in writing by EPA or the State or Tribal agency responsible for pesticide enforcement, provided that a requirement for such certification or licensing is pesticide safety training that includes all the topics set out in Sec. 170.501(c)(2) or Sec. 170.501(c)(3) as applicable depending on the date of training.

**Note:** See OAR 437-004-6501(1)

#### (c) Training programs.

**Note:** Training deficiencies in the Oregon-specific rule requirements related to the Worker Protection Standard such as the Hazard Communication Standard, the Respiratory Protection Standard, and the Personal Protective Equipment rules will be cited from the applicable Oregon OSHA rule.

- (1) Pesticide safety training must be presented to handlers either orally from written materials or audio-visually, at a location that is reasonably free from distraction and conducive to training. All training materials must be EPA-approved. The training must be presented in a manner that the handlers can understand, such as through a translator. The training must be conducted by a person who meets the handler trainer requirements of paragraph (c)(4) of this section, and who must be present during the entire training program and must respond to handlers' questions.

**Note:** Oregon OSHA did not adopt 170.501(c)(2) or (3). OAR 437-004-6501 applies instead.

### **437-004-6501 Handler training programs in Oregon**

- (1) Handlers using an exception to the training requirements for crop advisors – as described in 170.501(b)(2) of the Worker Protection Standard – must demonstrate that the program includes all the topics listed in OAR 437-004-6501(2).*
- (2) Training programs for handlers must include, at a minimum, all of the following topics:*
  - (a) All the topics required by OAR 437-004-6401. Training program for workers.*
  - (b) Information on proper application and use of pesticides.*
  - (c) Handlers must follow the portions of the labeling applicable to the safe use of the pesticide.*
  - (d) Format and meaning of information contained on pesticide labels and in labeling applicable to the safe use of the pesticide.*
  - (e) Need for and appropriate use and removal of all personal protective equipment.*
  - (f) How to recognize, prevent, and provide first aid treatment for heat-related illness.*
  - (g) Safety requirements for handling, transporting, storing, and disposing of pesticides, including general procedures for spill cleanup.*
  - (h) Environmental concerns, such as drift, runoff, and wildlife hazards.*
  - (i) Handlers must not apply pesticides in a manner that results in contact with workers or other persons.*
  - (j) The responsibility of handler employers to provide handlers with information and protections designed to reduce work-related pesticide exposures and illnesses. This includes providing, cleaning, maintaining, storing, and ensuring proper use of all required personal protective equipment; providing decontamination supplies; and providing specific information about pesticide use and labeling information.*
  - (k) Handlers must suspend a pesticide application if workers or other persons are in the application exclusion zone.*
  - (l) Handlers must be at least 18 years old.*

*(m) The responsibility of handler employers to ensure handlers have received respirator fit-testing, training and medical evaluation if they are required to wear a respirator by the product labeling.*

*(n) The responsibility of agricultural employers to post treated areas as required by this rule.*

Stat. Auth.: ORS 654.025(2) and 656.726(4).  
Stats. Implemented: ORS 654.001 – 654.295, 654.750 – 654.780.  
Hist.: OR-OSHA Admin. Order 1-2017, f. 2/14/17, ef. 1/1/18.

170.501 (c)(4) The person who conducts the training must have one of the following qualifications:

- (i) Be designated as a trainer of certified applicators or pesticide handlers by EPA or the State or Tribal agency responsible for pesticide enforcement.
- (ii) Have completed an EPA-approved pesticide safety train-the-trainer program for trainers of handlers.
- (iii) Be currently certified as an applicator of restricted use pesticides under part 171 of this chapter.

**Note:** Part 171 of Chapter 40 CFR concerns the certification of pesticide applicators; in Oregon, it is administered by the Oregon Department of Agriculture.

### ***437-004-6502 Oregon requirements for Worker Protection Standard trainers of handlers who qualify using train-the-trainer programs***

- (1) Beginning on January 1, 2018, trainers of handlers who use the train-the-trainer (T-t-T) qualification described in 170.501(c)(4)(ii) must complete a T-t-T program at least once every five years, using training materials approved by EPA for that purpose.*
- (2) In order to meet this requirement, persons using this qualification are responsible for maintaining a record of their training, to include the following details about their most recent completion of a T-t-T program: the date(s), location, and the EPA reference number of the training materials that were used.*

Stat. Auth.: ORS 654.025(2) and 656.726(4).  
Stats. Implemented: ORS 654.001 – 654.295, 654.750 – 654.780.  
Hist.: OR-OSHA Admin. Order 1-2017, f. 2/14/17, ef. 1/1/18.

### 170.501 (d) Recordkeeping

- (1) Handler employers must maintain records of training for handlers employed by their establishment for two years after the date of the training. The records must be maintained on the establishment and must include all of the following information:
  - (i) The trained handler's printed name and signature.
  - (ii) The date of the training.
  - (iii) Information identifying which EPA-approved training materials were used.
  - (iv) The trainer's name and documentation showing that the trainer met the requirements of Sec. 170.501(c)(4) at the time of training.
  - (v) The handler employer's name.
- (2) The handler employer must, upon request by a handler trained on the establishment, provide to the handler a copy of the record of the training that contains the information required under Sec. 170.501 (d)(1).

Stat. Auth.: ORS 654.025(2) and 656.726(4).  
Stats. Implemented: ORS 654.001 – 654.295, 654.750 – 654.780.  
Hist.: OR-OSHA Admin. Order 1-2017, f. 2/14/17, ef. 1/1/18.

### 170.503 Knowledge of labeling, application-specific, and establishment-specific information for handlers

- (a) Knowledge of labeling and application-specific information.
  - (1) The handler employer must ensure that before any handler performs any handler activity involving a pesticide product, the handler either has read the portions of the labeling applicable to the safe use of the pesticide or has been informed in a manner the handler can understand of all labeling requirements and use directions applicable to the safe use of the pesticide.
  - (2) The handler employer must ensure that the handler has access to the applicable product labeling at all times during handler activities.
  - (3) The handler employer must ensure that the handler is aware of requirements for any entry restrictions, application exclusion zones and restricted-entry intervals as described in Sec. 170.405 and 170.407 that may apply based on the handler's activity.

**Note:** Oregon OSHA did not adopt 170.405(a). OAR 437-004-6405, when adopted, will apply instead.

- (b) Knowledge of establishment-specific information. Before any handler performs any handler activity on an agricultural establishment where within the last 30 days a pesticide product has been used, or a restricted-entry interval for such pesticide has been in effect, the handler employer must ensure that the handler has been informed, in a manner the handler can understand, all of the following establishment-specific information:
- (1) The location of pesticide safety information required by Sec. 170.311(a).
  - (2) The location of pesticide application and hazard information required by Sec. 170.311(b).
  - (3) The location of decontamination supplies required by Sec. 170.509.

Stat. Auth.: ORS 654.025(2) and 656.726(4).  
Stats. Implemented: ORS 654.001 – 654.295, 654.750 – 654.780.  
Hist.: OR-OSHA Admin. Order 1-2017, f. 2/14/17, ef. 1/1/18.

### **170.505 Requirements during applications to protect handlers, workers, and other persons**

- (a) Prohibition from contacting workers and other persons with pesticides during application. The handler employer and the handler must ensure that no pesticide is applied so as to contact, directly or through drift, any worker or other person, other than an appropriately trained and equipped handler involved in the application.
- (b) Suspending applications. After January 1, 2018, the handler performing the application must immediately suspend a pesticide application if any worker or other person, other than an appropriately trained and equipped handler involved in the application, is in the application exclusion zone described in Sec. 170.405(a)(1) or the area specified in column B of the Table in Sec. 170.405(b)(4).

**Note:** Oregon OSHA did not adopt 170.405(a) Outdoor production pesticide applications. OAR 437-004-6405, when adopted, will apply instead.

- (c) Handlers using highly toxic pesticides. The handler employer must ensure that any handler who is performing any handler activity with a pesticide product that has the skull-and-crossbones symbol on the front panel of the pesticide product label is monitored visually or by voice communication at least every two hours.

- (d) Fumigant applications in enclosed space production. The handler employer must ensure all of the following:
- (1) Any handler in an enclosed space production area during a fumigant application maintains continuous visual or voice contact with another handler stationed immediately outside of the enclosed space.
  - (2) The handler stationed outside the enclosed space has immediate access to and uses the personal protective equipment required by the fumigant labeling for applicators in the event that entry becomes necessary for rescue.

Stat. Auth.: ORS 654.025(2) and 656.726(4).  
Stats. Implemented: ORS 654.001 – 654.295, 654.750 – 654.780.  
Hist.: OR-OSHA Admin. Order 1-2017, f. 2/14/17, ef. 1/1/18.

## 170.507 Personal protective equipment

**Note:** In Oregon, to the extent that the applicable Personal Protective Equipment (PPE) requirements are more protective than the label PPE requirements, they will apply. For employers subject to the Division 4 rules, Division 4/I, OAR 437 004-1005 through -1035 and -1050 through -1075 apply. For employers subject to the Division 2 rules, Division 2/I, OAR 437-002-0134 applies. For employers subject to the Division 7 rules, Division 7/D, OAR 437-007-0300 through 0330 apply.

- (a) Handler responsibilities. Any person who performs handler activities involving a pesticide product must use the clothing and personal protective equipment specified on the pesticide product labeling for use of the product, except as provided in Sec. 170.607 of this part.
- (b) Employer responsibilities for providing personal protective equipment. The handler employer must provide to the handler the personal protective equipment required by the pesticide product labeling in accordance with this section. The handler employer must ensure that the personal protective equipment is clean and in proper operating condition. For the purposes of this section, long-sleeved shirts, short-sleeved shirts, long pants, short pants, shoes, and socks are not considered personal protective equipment, although such work clothing must be worn if required by the pesticide product labeling.
  - (1) If the pesticide product labeling requires that “chemical-resistant” personal protective equipment be worn, it must be made of material that allows no measurable movement of the pesticide being used through the material during use.



- (2) If the pesticide product labeling requires that "waterproof" personal protective equipment be worn, it must be made of material that allows no measurable movement of water or aqueous solutions through the material during use.
- (3) If the pesticide product labeling requires that a "chemical-resistant suit" be worn, it must be a loose-fitting, one- or two-piece chemical-resistant garment that covers, at a minimum, the entire body except head, hands, and feet.
- (4) If the pesticide product labeling requires that "coveralls" be worn, they must be loose-fitting, one- or two-piece garments that cover, at a minimum, the entire body except head, hands, and feet.
- (5) Gloves must be the type specified on the pesticide product labeling.
  - (i) Gloves made of leather, cotton, or other absorbent materials may not be worn while performing handler activities unless gloves made of these materials are listed as acceptable for such use on the pesticide product labeling.
  - (ii) Separable glove liners may be worn beneath chemical-resistant gloves, unless the pesticide product labeling specifically prohibits their use. Separable glove liners are defined as separate glove-like hand coverings, made of lightweight material, with or without fingers. Work gloves made from lightweight cotton or poly-type material are considered to be glove liners if worn beneath chemical-resistant gloves. Separable glove liners may not extend outside the chemical-resistant gloves under which they are worn. Chemical-resistant gloves with non-separable absorbent lining materials are prohibited.
  - (iii) If used, separable glove liners must be discarded immediately after a total of no more than 10 hours of use or within 24 hours of when first put on, whichever comes first. The liners must be replaced immediately if directly contacted by pesticide. Used glove liners must not be reused. Contaminated liners must be disposed of in accordance with any Federal, State, or local regulations.
- (6) If the pesticide product labeling requires that "chemical-resistant footwear" be worn, one of the following types of footwear must be worn:
  - (i) Chemical-resistant shoes.
  - (ii) Chemical-resistant boots.

(iii) Chemical-resistant shoe coverings worn over shoes or boots.

**Note:** See exception in 170.607(b).

(7) If the pesticide product labeling requires that “protective eyewear” be worn, one of the following types of eyewear must be worn:

- (i) Goggles.
- (ii) Face shield.
- (iii) Safety glasses with front, brow, and temple protection.
- (iv) Full-face respirator.

**Note:** Oregon employers must choose the type of protective eyewear that will effectively protect their employees from the specific type of hazard for that handling activity. Signal words from the pesticide product label can provide general guidelines to use in that evaluation.

Table 2 - General guideline for minimum eye protection

Product Signal Word	General guideline for minimum eye protection
Caution	Safety glasses with front, brow, and temple protection that is specified by the manufacturer for use against chemical splash. OR Full face respirator (if used in combination with required respiratory protection)
Warning	Safety glasses with front, brow, and temple protection that is specified by the manufacturer for use against chemical splash PLUS a Face shield; OR Chemical splash goggles OR Full face respirator (if used in combination with required respiratory protection)
Danger	Chemical splash goggles OR Full face respirator (if used in combination with required respiratory protection)

(8) If the pesticide product labeling requires that a “chemical-resistant apron” be worn, a chemical-resistant apron that covers the front of the body from mid-chest to the knees must be worn.

(9) If the pesticide product labeling requires that “chemical-resistant headgear” be worn, it must be either a chemical-resistant hood or a chemical-resistant hat with a wide brim.

**Note:** Oregon OSHA did not adopt 170.507(b)(10). OAR 437-004-6508, Respiratory Protection applies instead. Also see requirements in 170.507(d)(5) and (d)(6) for replacement and maintenance requirements related to respiratory protection.

### **437-004-6508    *Respiratory Protection***

*Whenever a respirator is required by the pesticide product labeling, the handler employer must ensure that the respirator specified on the label is used and that requirements of the Respiratory Protection Standard that applies to them are met before allowing the handler to perform any activity where the respirator is required to be worn. For employers subject to the Division 4 rules, Division 4/I, OAR 438-004-1041 applies, except for Paragraph (4) Selection of respirators. For employers subject to the Division 2 and/ or the Division 7 rules, Division 2/I, 1910.134 applies, except for Paragraph (d) Selection of respirators.*

Stat. Auth.: ORS 654.025(2) and 656.726(4).  
Stats. Implemented: ORS 654.001 – 654.295, 654.750 – 654.780.  
Hist.: OR-OSHA Admin. Order 1-2017, f. 2/14/17, ef. 1/1/18.

#### 170.507 (c) Use of personal protective equipment

- (1) The handler employer must ensure that personal protective equipment is used correctly for its intended purpose and is used according to the manufacturer's instructions.
  - (2) The handler employer must ensure that, before each day of use, all personal protective equipment is inspected for leaks, holes, tears, or worn places, and any damaged equipment is repaired or discarded.
- (d) Cleaning and maintenance.
- (1) The handler employer must ensure that all personal protective equipment is cleaned according to the manufacturer's instructions or pesticide product labeling instructions before each day of reuse. In the absence of any such instructions, it must be washed thoroughly in detergent and hot water.

- (2) If any personal protective equipment cannot or will not be cleaned properly, the handler employer must ensure the contaminated personal protective equipment is made unusable as apparel or is made unavailable for further use by employees or third parties. The contaminated personal protective equipment must be disposed of in accordance with any applicable laws or regulations. Coveralls or other absorbent materials that have been drenched or heavily contaminated with a pesticide that has the signal word "DANGER" or "WARNING" on the label must not be reused and must be disposed of as specified in this paragraph. Handler employers must ensure that any person who handles contaminated personal protective equipment described in this paragraph wears the gloves specified on the pesticide product labeling for mixing and loading the product(s) comprising the contaminant(s) on the equipment. If two or more pesticides are included in the contaminants, the gloves worn must meet the requirements for mixing and loading all of the pesticide products.
- (3) The handler employer must ensure that contaminated personal protective equipment is kept separate from non-contaminated personal protective equipment, other clothing or laundry and washed separately from any other clothing or laundry.
- (4) The handler employer must ensure that all washed personal protective equipment is dried thoroughly before being stored or reused.
- (5) The handler employer must ensure that all clean personal protective equipment is stored separately from personal clothing and apart from pesticide-contaminated areas.
- (6) The handler employer must ensure that when filtering facepiece respirators are used, they are replaced when one of the following conditions is met:
  - (i) When breathing resistance becomes excessive.
  - (ii) When the filter element has physical damage or tears.
  - (iii) According to manufacturer's recommendations or pesticide product labeling, whichever is more frequent.
  - (iv) In the absence of any other instructions or indications of service life, at the end of eight hours of cumulative use.

- (7) The handler employer must ensure that when gas- or vapor-removing respirators are used, the gas- or vapor-removing canisters or cartridges are replaced before further respirator use when one of the following conditions is met:
- (i) At the first indication of odor, taste, or irritation.
- Note:** Oregon OSHA did not adopt (d)(7)(ii) as an option. However, the use of an End of Service Life Indicator, when available for the specific air contaminant, is an acceptable method for determining the proper cartridge replacement time for a gas or vapor-removing respirator.
- (iii) When breathing resistance becomes excessive.
  - (iv) When required according to manufacturer's recommendations or pesticide product labeling instructions, whichever is more frequent.
  - (v) In the absence of any other instructions or indications of service life, at the end of eight hours of cumulative use.
- (8) The handler employer must inform any person who cleans or launders personal protective equipment of all the following:
- (i) That such equipment may be contaminated with pesticides and there are potentially harmful effects from exposure to pesticides.
  - (ii) The correct way(s) to clean personal protective equipment and how to protect themselves when handling such equipment.
  - (iii) Proper decontamination procedures that should be followed after handling contaminated personal protective equipment.
- (9) The handler employer must ensure that handlers have a place(s) away from pesticide storage and pesticide use areas where they may do all of the following:
- (i) Store personal clothing not worn during handling activities.
  - (ii) Put on personal protective equipment at the start of any exposure period.
  - (iii) Remove personal protective equipment at the end of any exposure period.
- (10) The handler employer must not allow or direct any handler to wear home or to take home employer-provided personal protective equipment contaminated with pesticides.

- (e) Heat-related illness. Where a pesticide's labeling requires the use of personal protective equipment for a handler activity, the handler employer must take appropriate measures to prevent heat-related illness.

Stat. Auth.: ORS 654.025(2) and 656.726(4).

Stats. Implemented: ORS 654.001 – 654.295, 654.750 – 654.780.

Hist.: OR-OSHA Admin. Order 1-2017, f. 2/14/17, ef. 1/1/18.

### **170.509 Decontamination and eye flushing supplies for handlers**

- (a) Requirement. The handler employer must provide decontamination and eye flushing supplies in accordance with this section for any handler that is performing any handler activity or removing personal protective equipment at the place for changing required by Sec. 170.507(d)(9).
- (b) General conditions. The decontamination supplies required in paragraph (a) of this section must include: at least three gallons of water per handler at the beginning of each handler's work period for routine washing and potential emergency decontamination; soap; single-use towels; and clean clothing for use in an emergency. The decontamination and eye flushing supplies required in paragraph (a) of this section must meet all of the following requirements:
- (1) Water. At all times when this section requires handler employers to make water available to handlers for routine washing, emergency decontamination or eye flushing, the handler employer must ensure that it is of a quality and temperature that will not cause illness or injury when it contacts the skin or eyes or if it is swallowed. If a water source is used for mixing pesticides, it must not be used for decontamination or eye flushing supplies, unless equipped with properly functioning valves or other mechanisms that prevent contamination of the water with pesticides, such as anti-backflow siphons, one-way or check valves, or an air gap sufficient to prevent contamination.
  - (2) Soap and single-use towels. The handler employer must provide soap and single-use towels for drying in quantities sufficient to meet the handlers' needs. Hand sanitizing gels and liquids or wet towelettes do not meet the requirement for soap. Wet towelettes do not meet the requirement for single-use towels.
  - (3) Clean change of clothing. The handler employer must provide one clean change of clothing, such as coveralls, for use in an emergency.

- (c) Location. The decontamination supplies must be located together outside any treated area or area subject to a restricted-entry interval, and must be reasonably accessible to each handler during the handler activity. The decontamination supplies must not be more than 1/4 mile from the handler, except that where the handler activity is more than 1/4 mile from the nearest place of vehicular access or more than 1/4 mile from any non-treated area, the decontamination supplies may be at the nearest place of vehicular access outside any treated area or area subject to a restricted-entry interval.
- (1) Mixing sites. Decontamination supplies must be provided at any mixing site.
  - (2) Exception for pilots. Decontamination supplies for a pilot who is applying pesticides aerially must be in the aircraft or at the aircraft loading site.
  - (3) Exception for treated areas. The decontamination supplies must be outside any treated area or area subject to a restricted-entry interval, unless the soap, single-use towels, water and clean change of clothing are protected from pesticide contamination in closed containers.

**Note:** Oregon did not adopt 170.509(d). OAR 437-004-6509 applies instead.

Stat. Auth.: ORS 654.025(2) and 656.726(4).  
Stats. Implemented: ORS 654.001 – 654.295, 654.750 – 654.780.  
Hist.: OR-OSHA Admin. Order 1-2017, f. 2/14/17, ef. 1/1/18.

### **437-004-6509    *Emergency eye-washes and eye flushing supplies***

- (1) Whenever a handler is mixing or loading a pesticide product whose labeling includes the signal word "Danger" or "Danger/Poison," due to toxicity to the eye or the possibility of permanent eye damage; or, a handler is mixing or loading any pesticide using a closed system operating under pressure, the employer must provide at each mixing/loading site available to the handler at least one eye-wash system that meets the applicable eyewash requirements. For employers subject to the Division 4 rules, Division 4/K, OAR 437-004-1305(5) applies. For employers subject to the Division 2 and/or Division 7 rules, Division 2/K, OAR 437-002-0161 applies.*
- (2) Whenever a handler is applying a pesticide product whose labeling requires protective eyewear for handlers, the handler employer must provide at least one pint of water per handler in portable containers that are immediately available to each handler.*

**Note:** *The eye-wash rules referenced include the following minimum requirements:*

- *Locate the eye-wash so that exposed employees can reach it and begin treatment in 10 seconds or less. The path must be unobstructed and cannot require the opening of doors or passage through obstacles unless other employees are always present to help the exposed employee.*
- *Install the equipment according to the manufacturer's instructions.*
- *Follow the equipment manufacturer's criteria for water pressure, flow rate and testing to ensure proper operation of the system.*
- *Eye-wash water must flow for at least 15 minutes.*
- *The eyewash must have valves that stay open without the use of the hands.*
- *The water to the equipment must not be subject to unauthorized shut-off.*
- *If eyewash facilities can freeze, take protective measures to prevent freezing.*
- *Equipment must be clean, sanitary and operating correctly.*
- *In self-contained systems, do not use solutions or products past their expiration date.*

Stat. Auth.: ORS 654.025(2) and 656.726(4).

Stats. Implemented: ORS 654.001 – 654.295, 654.750 – 654.780.

Hist.: OR-OSHA Admin. Order 1-2017, f. 2/14/17, ef. 1/1/18.



## Subpart G--Exemptions, Exceptions and Equivalency

### 170.601 Exemptions

- (a) Exemption for owners of agricultural establishments and their immediate families.
- (1) On any agricultural establishment where a majority of the establishment is owned by one or more members of the same immediate family, the owner(s) of the establishment are not required to provide the protections of the following provisions to themselves or members of their immediate family when they are performing handling activities or tasks related to the production of agricultural plants that would otherwise be covered by this part on their own agricultural establishment.
- (i) Section 170.309(c).
  - (ii) Section 170.309(f) through (j).
  - (iii) Section 170.311.
  - (iv) Section 170.401.
  - (v) Section 170.403.
  - (vi) Section 170.409.
  - (vii) Sections 170.411 and 170.509.
  - (viii) Section 170.501.
  - (ix) Section 170.503.
  - (x) Section 170.505(c) and (d).
  - (xi) Section 170.507(c) through (e).
  - (xii) Section 170.605(a) through (c) and (e) through (j).
- (2) The owners of agricultural establishments must provide all of the applicable protections required by this part for any employees or other persons on the establishment that are not members of their immediate family.

- (b) Exemption for certified crop advisors. Certified crop advisors may make their own determination for the appropriate personal protective equipment for entry into a treated area during a restricted-entry interval and substitute their self-determined set of personal protective equipment for the labeling-required personal protective equipment, and the requirements of Sec. 170.309(e), 170.309(f), 170.313(k), 170.503(a), 170.507 and 170.509 of this part do not apply to certified crop advisors provided the application is complete and all of the following conditions are met:
- (1) The crop advisor is certified or licensed as a crop advisor by a program acknowledged as appropriate in writing by EPA or a State or Tribal agency responsible for pesticide enforcement.
  - (2) The certification or licensing program requires pesticide safety training that includes all the information in Sec. 170.501(c)(2) or Sec. 170.501(c)(3) as applicable depending on the date of training.
  - (3) The crop advisor who enters a treated area during a restricted-entry interval only performs crop advising tasks while in the treated area.

**Note:** Oregon OSHA did not adopt 170.501(c)(2) or (3). OAR 437-004-6501 applies instead. Certified crop advisors using the conditions of exemption described in 170.601(b) of the Worker Protection Standard must ensure that the pesticide safety training described in (b)(2) includes all the information listed in OAR 437-004-6501.

Stat. Auth.: ORS 654.025(2) and 656.726(4).  
Stats. Implemented: ORS 654.001 – 654.295, 654.750 – 654.780.  
Hist.: OR-OSHA Admin. Order 1-2017, f. 2/14/17, ef. 1/1/18.

## **170.603 Exceptions for entry by workers during restricted-entry intervals**

An agricultural employer may direct workers to enter treated areas where a restricted-entry interval is in effect to perform certain activities as provided in this section, provided that the agricultural employer ensures all of the applicable conditions of this section and Sec. 170.605 of this part are met.

- (a) Exception for activities with no contact. A worker may enter a treated area during a restricted-entry interval if the agricultural employer ensures that all of the following conditions are met:

- (1) The worker will have no contact with anything that has been treated with the pesticide to which the restricted-entry interval applies, including, but not limited to, soil, water, air, or surfaces of plants. This exception does not allow workers to perform any activities that involve contact with treated surfaces even if workers are wearing personal protective equipment.
  - (2) No such entry is allowed until any inhalation exposure level listed in the pesticide product labeling has been reached or any ventilation criteria required by Sec. 170.405(b)(3) or the pesticide product labeling have been met.
- (b) Exception for short-term activities. A worker may enter a treated area during a restricted-entry interval for short-term activities, if the agricultural employer ensures that all of the following requirements are met:
- (1) No hand labor activity is performed.
  - (2) The time in treated areas where a restricted-entry interval is in effect does not exceed one hour in any 24-hour period for any worker.
  - (3) No such entry is allowed during the first 4 hours after the application ends.
  - (4) No such entry is allowed until any inhalation exposure level listed in the pesticide product labeling has been reached or any ventilation criteria required by Sec. 170.405(b)(3) or the pesticide product labeling have been met.
- (c) Exception for an agricultural emergency.
- (1) An agricultural emergency means a sudden occurrence or set of circumstances that the agricultural employer could not have anticipated and over which the agricultural employer has no control, that requires entry into a treated area during a restricted-entry interval, and when no alternative practices would prevent or mitigate a substantial economic loss. A substantial economic loss means a loss in profitability greater than that which would be expected based on the experience and fluctuations of crop yields in previous years. Only losses caused by the agricultural emergency specific to the affected site and geographic area are considered. Losses resulting from mismanagement cannot be included when determining whether a loss is substantial.

- (2) A worker may enter a treated area where a restricted-entry interval is in effect in an agricultural emergency to perform tasks necessary to mitigate the effects of the agricultural emergency, including hand labor tasks, if the agricultural employer ensures that all the following criteria are met:
- (i) The State department of agriculture, or the State or Tribal agency responsible for pesticide enforcement declares an agricultural emergency that applies to the treated area, or agricultural employer has determined that the circumstances within the treated area are the same as circumstances the State department of agriculture, or the State or Tribal agency responsible for pesticide enforcement has previously determined would constitute an agricultural emergency.
  - (ii) The agricultural employer determines that the agricultural establishment is subject to the circumstances that result in an agricultural emergency meeting the criteria of paragraph (c)(1) of this section.
  - (iii) If the labeling of any pesticide product applied to the treated area requires workers to be notified of the location of treated areas by both posting and oral notification, then the agricultural employer must ensure that no individual worker spends more than four hours out of any 24-hour period in treated areas where such a restricted-entry interval is in effect.
  - (iv) No such entry is allowed during the first 4 hours after the application ends.
  - (v) No such entry is allowed until any inhalation exposure level listed in the pesticide product labeling has been reached or any ventilation criteria required by Sec. 170.405(b)(3) or the pesticide product labeling have been met.
- (d) Exceptions for limited contact and irrigation activities. A worker may enter a treated area during a restricted-entry interval for limited contact or irrigation activities, if the agricultural employer ensures that all of the following requirements are met:
- (1) No hand labor activity is performed.
  - (2) No worker is allowed in the treated area for more than eight hours in a 24-hour period.

- (3) No such entry is allowed during the first 4 hours after the application ends.
- (4) No such entry is allowed until any inhalation exposure level listed in the pesticide product labeling has been reached or any ventilation criteria required by Sec. 170.405(b)(3) or the pesticide product labeling have been met.
- (5) The task is one that, if not performed before the restricted-entry interval expires, would cause substantial economic loss, and there are no alternative tasks that would prevent substantial loss.
- (6) With the exception of irrigation tasks, the need for the task could not have been foreseen.
- (7) The worker has no contact with pesticide-treated surfaces other than minimal contact with feet, lower legs, hands, and forearms.
- (8) The labeling of the pesticide product that was applied does not require that workers be notified of the location of treated areas by both posting and oral notification.

Stat. Auth.: ORS 654.025(2) and 656.726(4).  
Stats. Implemented: ORS 654.001 – 654.295, 654.750 – 654.780.  
Hist.: OR-OSHA Admin. Order 1-2017, f. 2/14/17, ef. 1/1/18.

### **170.605 Agricultural employer responsibilities to protect workers entering treated areas during a restricted-entry interval**

**Note:** In Oregon, to the extent that the applicable Personal Protective Equipment (PPE) requirements are more protective than the label PPE requirements, they will apply. For employers subject to the Division 4 rules, Division 4/I, OAR 437 004-1005 through -1035 and -1050 through -1075 apply. For employers subject to the Division 2 rules, Division 2/I, OAR 437-002-0134 applies. For employers subject to the Division 7 rules, Division 7/D, OAR 437-007-0300 through 0330 apply.

If an agricultural employer directs a worker to perform activities in a treated area where a restricted-entry interval is in effect, all of the following requirements must be met:

- (a) The agricultural employer must ensure that the worker is at least 18 years old.

- (b) Prior to early entry, the agricultural employer must provide to each early-entry worker the information described in paragraphs (b)(1) through (8) of this section. The information must be provided orally in a manner that the worker can understand.
- (1) Location of early-entry area where work activities are to be performed.
  - (2) Pesticide(s) applied.
  - (3) Dates and times that the restricted-entry interval begins and ends.
  - (4) Which exception in Sec. 170.603 is the basis for the early entry, and a description of tasks that may be performed under the exception.
  - (5) Whether contact with treated surfaces is permitted under the exception.
  - (6) Amount of time the worker is allowed to remain in the treated area.
  - (7) Personal protective equipment required by the pesticide product labeling for early entry.
  - (8) Location of the pesticide safety information required by Sec. 170.311(a) and the location of the decontamination supplies required by Sec. 170.605(h).
- (c) Prior to early entry, the agricultural employer must ensure that each worker either has read the applicable pesticide product labeling or has been informed, in a manner that the worker can understand, of all labeling requirements and statements related to human hazards or precautions, first aid, and user safety.
- (d) The agricultural employer must ensure that each worker who enters a treated area during a restricted-entry interval is provided the personal protective equipment specified in the pesticide product labeling for early entry. The agricultural employer must ensure that the worker uses the personal protective equipment as intended according to manufacturer's instructions and follows any other applicable requirements on the pesticide product labeling. Personal protective equipment must conform to the standards in Sec. 170.507(b)(1) through (9).
- (e) The agricultural employer must maintain the personal protective equipment in accordance with Sec. 170.507(c) and (d).

- (f) The agricultural employer must ensure that no worker is allowed or directed to wear personal protective equipment without implementing measures sufficient to prevent heat-related illness and that each worker is instructed in the prevention, recognition, and first aid treatment of heat-related illness.
- (g) The agricultural employer must instruct each worker on the proper use and removal of the personal protective equipment, and as appropriate, on its cleaning, maintenance and disposal. The agricultural employer must not allow or direct any worker to wear home or to take home employer-provided personal protective equipment contaminated with pesticides.
- (h) During any early-entry activity, the agricultural employer must provide decontamination supplies in accordance with Sec. 170.509, except the decontamination supplies must be outside any area being treated with pesticides or subject to a restricted-entry interval, unless the decontamination supplies would otherwise not be reasonably accessible to workers performing early-entry tasks.
- (i) If the pesticide product labeling of the product applied requires protective eyewear, the agricultural employer must provide at least one pint of water per worker in portable containers for eyeflushing that is immediately available to each worker who is performing early-entry activities.
- (j) At the end of any early-entry activities the agricultural employer must provide, at the site where the workers remove personal protective equipment, soap, single-use towels and at least three gallons of water per worker so that the workers may wash thoroughly.

Stat. Auth.: ORS 654.025(2) and 656.726(4).  
Stats. Implemented: ORS 654.001 - 654.295, 654.750 - 654.780.  
Hist.: OR-OSHA Admin. Order 1-2017, f. 2/14/17, ef. 1/1/18.

### **170.607 Exceptions to personal protective equipment requirements specified on pesticide product labeling**

#### **(a) Body protection.**

- (1) A chemical-resistant suit may be substituted for coveralls. If a chemical-resistant suit is substituted for coveralls, any labeling requirement for an additional layer of clothing beneath the coveralls is waived.
- (2) A chemical-resistant suit may be substituted for coveralls and a chemical-resistant apron.

(b) Boots. If chemical-resistant footwear with sufficient durability and a tread appropriate for wear in rough terrain is not obtainable, then leather boots may be worn in such terrain.

**Note:** Leather boots allowed to be worn for this exception are considered to be contaminated personal protective equipment. Thereafter, they must be stored separately from clean PPE, regular work clothing, and regular footwear and should not be worn for any other purpose.

(c) Gloves. If chemical-resistant gloves with sufficient durability and suppleness are not obtainable, then during activities with plants with sharp thorns, leather gloves may be worn over chemical-resistant glove liners. However, once leather gloves are worn for this use, thereafter they must be worn only with chemical-resistant liners and they must not be worn for any other use.

(d) Closed systems.

(1) When pesticides are being mixed or loaded using a closed system that meets all of the requirements in paragraph (d)(2) of this section, and the handler employer meets the requirements of paragraph (d)(3) of this section, the following exceptions to labeling-specified personal protective equipment are permitted:

(i) Handlers using a closed system to mix or load pesticides with a signal word of "DANGER" or "WARNING" may substitute a long-sleeved shirt, long pants, shoes and socks, chemical-resistant apron, protective eyewear, and any protective gloves specified on the labeling for handlers for the labeling-specified personal protective equipment.

(ii) Handlers using a closed system to mix or load pesticides other than those specified in paragraph (d)(1)(i) of this section may substitute protective eyewear, long-sleeved shirt, long pants, and shoes and socks for the labeling-specified personal protective equipment.

(2) The exceptions of paragraph (d)(1) of this section apply only in the following situations:

(i) Where the closed system removes the pesticide from its original container and transfers the pesticide product through connecting hoses, pipes and couplings that are sufficiently tight to prevent exposure of handlers to the pesticide product, except for the negligible escape associated with normal operation of the system.



- (ii) When loading intact, sealed, water soluble packaging into a mixing tank or system. If the integrity of a water soluble packaging is compromised (for example, if the packaging is dissolved, broken, punctured, torn, or in any way allows its contents to escape), it is no longer a closed system and the labeling-specified personal protective equipment must be worn.
- (3) The exceptions of paragraph (d)(1) of this section apply only where the handler employer has satisfied the requirements of Sec. 170.313 and all of the following conditions:
  - (i) Each closed system must have written operating instructions that are clearly legible and include: Operating procedures for use, including the safe removal of a probe; maintenance, cleaning and repair; known restrictions or limitations relating to the system, such as incompatible pesticides, sizes (or types) of containers or closures that cannot be handled by the system; any limits on the ability to measure a pesticide; and special procedures or limitations regarding partially-filled containers.
  - (ii) The written operating instructions for the closed system must be available at the mixing or loading site and must be made available to any handlers who use the system.
  - (iii) Any handler operating the closed system must be trained in its use and operate the closed system in accordance with its written operating instructions.
  - (iv) The closed system must be cleaned and maintained as specified in the written operating instructions and as needed to make sure the system functions properly.
  - (v) All personal protective equipment specified in the pesticide product labeling is immediately available to the handler for use in an emergency.
  - (vi) Protective eyewear must be worn when using closed systems operating under pressure.
- (e) Enclosed cabs.

- (1) If a handler applies a pesticide from inside a vehicle's enclosed cab, and if the conditions listed in paragraph (e)(2) of this section are met, exceptions to the personal protective equipment requirements specified on the product labeling for applicators are permitted as provided in paragraph (e)(3) of this section.
  - (2) All of the personal protective equipment required by the pesticide product labeling for applicators must be immediately available and stored in a sealed container to prevent contamination. Handlers must wear the applicator personal protective equipment required by the pesticide product labeling if they exit the cab within a treated area during application or when a restricted-entry interval is in effect. Once personal protective equipment is worn in a treated area, it must be removed before reentering the cab to prevent contamination of the cab.
  - (3) Handlers may substitute a long-sleeved shirt, long pants, shoes and socks for the labeling-specified personal protective equipment for skin and eye protection. If a filtering facepiece respirator (NIOSH approval number prefix TC-84A) or dust/mist filtering respirator is required by the pesticide product labeling for applicators, then that respirator need not be worn inside the enclosed cab if the enclosed cab has a properly functioning air ventilation system which is used and maintained in accordance with the manufacture's written operating instructions. If any other type of respirator is required by the pesticide labeling for applicators, then that respirator must be worn.
- (f) Aerial applications.
- (1) Use of gloves. The wearing of chemical-resistant gloves when entering or leaving an aircraft used to apply pesticides is optional, unless such gloves are required on the pesticide product labeling. If gloves are brought into the cockpit of an aircraft that has been used to apply pesticides, the gloves shall be kept in an enclosed container to prevent contamination of the inside of the cockpit.
  - (2) Open cockpit. Handlers applying pesticides from an open cockpit aircraft must use the personal protective equipment specified in the pesticide product labeling for use during application, except that chemical-resistant footwear need not be worn. A helmet may be substituted for chemical-resistant headgear. A helmet with a face shield lowered to cover the face may be substituted for protective eyewear.

- (3) Enclosed cockpit. Persons occupying an enclosed cockpit may substitute a long-sleeved shirt, long pants, shoes, and socks for labeling-specified personal protective equipment.
- (g) Crop advisors.
- (1) Provided the conditions of paragraphs (g)(2) through (g)(4) of this section are met, crop advisors and their employees entering treated areas to perform crop advising tasks while a restricted-entry interval is in effect may substitute either of the following sets of personal protective equipment for the personal protective equipment specified on the pesticide labeling for handler activities:
- (i) The personal protective equipment specified on the pesticide product labeling for early entry.
- (ii) Coveralls, shoes plus socks and chemical-resistant gloves made of any waterproof material, and eye protection if the pesticide product labeling applied requires protective eyewear for handlers.
- (2) The application has been complete for at least four hours.
- (3) No such entry is allowed until any inhalation exposure level listed in the pesticide product labeling has been reached or any ventilation criteria required by Sec. 170.405(b)(3) or the pesticide product labeling have been met.
- (4) The crop advisor or crop advisor employee who enters a treated area during a restricted-entry interval only performs crop advising tasks while in the treated area.

Stat. Auth.: ORS 654.025(2) and 656.726(4).  
Stats. Implemented: ORS 654.001 – 654.295, 654.750 – 654.780.  
Hist.: OR-OSHA Admin. Order 1-2017, f. 2/14/17, ef. 1/1/18.

**Note:** Oregon OSHA did not adopt Sec. 170.609 Equivalency requests.



## Notes

### Historical Notes for Subdivision W

**Note:** The Environmental Protection Agency (EPA), published in the September 1, 2004 Federal Register, amendments to 40 CFR 170, Worker Protection Standard. EPA amended the 1992 Pesticide Worker Protection Standard to permit optional use of separable glove liners beneath chemical-resistant gloves. This amendment also makes optional the provision that agricultural pilots wear gloves when entering or leaving aircraft. All other provisions of the Worker Protection Standard are unaffected by this rule. EPA believes that these changes will reduce the cost of compliance and will increase regulatory flexibility without increasing potential risks.

Oregon OSHA adopted these changes as published. These changes are in OR-OSHA's Division 4/W, Agriculture/Worker Protection Standard.

This is OR-OSHA Admin. Order 7-2004, filed 12/30/04, effective 12/30/04.

**Note:** In Oregon, Oregon OSHA administers and enforces the pesticide Worker Protection Standard (WPS: 40 CFR 170) as adopted in Division 4, Agriculture, Subdivision W, OAR 437-004-6000.

This rulemaking amends OAR 437-004-6000 to reflect non-substantive corrections and technical amendments that were published in the Federal Register from 2006 through 2009.

Oregon OSHA is also amending the pesticide Worker Protection Standard (WPS) in Division 7, Forest Activities, Subdivision A, General Requirements, OAR 437-007-0010, to clarify the references in Division 7 to the WPS in Division 4.

In addition, Oregon OSHA is amending Division 2, General Industry, Subdivision Z, Toxic and Hazardous Substances, by adopting a new rule (OAR 437-002-0170) to clarify that under certain circumstances all parts of the Worker Protection Standard (WPS) apply to general industry workplaces, and are a part of Division 2 in addition to, and not instead of, any other part of Division 2.

Members of the public submitting written comments expressed support for the changes but noted that the proposed amendments (being non-substantive) do not go far enough to improve the protection of Oregon's affected workers from exposure to pesticides. The changes suggested by these commenters were outside the parameters of this rulemaking.

This is Oregon OSHA Administrative Order 9-2009, adopted and effective September 21, 2009.

**Note:** Oregon Occupational Safety and Health Division (Oregon OSHA) administers and enforces the employee safety and health part of the U.S. Environmental Protection Agency (EPA)'s pesticide Worker Protection Standard (WPS) as adopted in Division 4/ Agriculture as adopted at OAR 437-004-6000. The standard aims to protect workers – those who work in pesticide-treated crop areas – and handlers – those who mix, load, and apply pesticides. EPA modified the WPS at the federal level (40 CFR 170) in the November 2, 2015 Federal Register. In response, Oregon OSHA initiated the rule-making process working with an advisory committee – including representatives of labor, employers, grower organizations, and government and nonprofit agencies, and other stakeholders – and reviewed extensive public comments received both orally at three public hearings held around the state, and in written format following formal proposal in late 2016.

Oregon OSHA is adopting most of the modified rules initiated by the EPA as well as several Oregon-initiated rules introduced to reflect the unique circumstances for employers in Oregon. The agency will continue to enforce the existing WPS through the end of 2017.

The rule changes are expected to lead to an overall reduction in incidents of unsafe pesticide exposure and to improve the occupational health of agricultural workers and pesticide handlers.

The adopted OARs:

- 437-004-6001 gives expiration and implementation dates for the existing and revised rules. The rules codified in Division 4/W as 170.1 through 170.260 will remain in effect through 2017, and expire on 12/31/2017. The new rules, codified as 170.301 through 170.607, and the other five new OARs will be implemented beginning on January 1, 2018.
- 437-004-6401 and 437-004-6501 provide specific effective dates for the revised subject matter to be included in training programs for both workers and handlers. In addition, the requirements for crop advisor training programs necessary to exempt workers and handlers from WPS training is cross-referenced to the minimum subject matter in these OARs.
- 437-004-6508 Respiratory Protection and 437-004-6509 Emergency eye-washes and eye flushing supplies maintain Oregon OSHA's more protective requirements related to respiratory protection and emergency eye-washes while fulfilling the EPA's pesticide label requirements.
- 437-004-6502 augments training requirements in Oregon for trainers of WPS handlers who use the Train-the-Trainer qualification described in 170.501(c)(4)(ii) of the WPS. The adopted rule does not apply to trainers of WPS handlers who meet the qualification as certified applicators described in 170.501(c)(4)(iii).

The agency will reconsider some details of the 2016 WPS proposal through a separate public rulemaking process centered on the Application Exclusion Zone (AEZ.) To give more time to fine-tune those provisions and to ease the transition to the modified rule requirements, Oregon OSHA is delaying implementation of the modified standard until Jan. 1, 2018. The expected result will be a revised proposal initiated in 2017, in time for it to take effect with the other modified sections of the WPS on Jan. 1, 2018.

This is Oregon OSHA Administrative Order 1-2017, adopted February 14, 2017 and effective January 1, 2018.

**Note:** Oregon OSHA administers and enforces the Environmental Protection Agency's (EPA) pesticide Worker Protection Standard (WPS) as adopted in Division 4/W (Agriculture/Worker Protection Standard), OAR 437-004-6000. Oregon OSHA has adopted two new Oregon Administrative Rules (OARs) that reflect specific requirements for employers in Oregon.

These rules complement and complete the changes adopted by Oregon OSHA on February 14th, 2017 on the amended Worker Protection Standard adopted by the EPA in the November 2, 2015 Federal Register. The rules, which exceed federal requirements, take effect January 1, 2019.

The new OARs:

OAR 437-004-6405:

Restrictions associated with outdoor production pesticide applications (which replaces 170.405(a)), is a new rule that describes the Application Exclusion Zone requirements (AEZ) including how employers ensure enclosed agricultural structures are closed properly, must provide instruction and information, and a decision matrix that navigates the rule requirements.

OAR 437-004-6406:

Pesticide spray drift and innovative methods is a new rule that describes that if issues relating to spray drift occur, then the employer is responsible for addressing those issues, and how drift reduction technologies can be used to gain approval for innovative methods through the variance process.

The WPS rules are also referenced, in Division 2, General Industry, at OAR 437-002-0170; and in Division 7, Forest Activities, at OAR 437-007-0010.

Pesticides, although a clear necessity in many workplaces, also represent varying levels of risks to workers and others (depending on both the particular pesticide used and the circumstances of the application). The Worker Protection Standard, taken as a whole, provides a number of important protective measures to reduce those risks. However, the risk of unintended exposures due to what is typically referred to as unintended "drift" can create exposure to workers outside the intended application area. In the case of worker housing, that exposure can also involve the workers' family members. The provisions of this proposed rule – as was true of the original EPA rule addressing AEZs – are intended to address that potential by providing an added measure of protection against unintended and unanticipated exposures outside of the locations where pesticides are intended to be applied. The AEZ surrounds and moves with spray equipment, beyond the safeguards enforced with respect to the treated area, must be free of all people other than appropriately trained and equipped pesticide handlers. The rule changes are expected to lead to an overall reduction in incidents of unsafe pesticide exposure and to improve the occupational health of agricultural workers and pesticide handlers.

Oregon OSHA held five hearings in multiple locations on these proposed rules. The division received 938 written comments during the extended comment period and over 100 oral comments at these hearings. These comments were vast and diverse, and all were considered by Oregon OSHA before the division adopted the rules as filed. Oregon OSHA published a summary of comments and agency decisions document on its website for viewing.

This is Oregon OSHA Administrative Order 2-2018, adopted June 29, 2018 and effective January 1, 2019.

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