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NEW SECTION

WAC 296-307-108 General provisions.

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NEW SECTION

WAC 296-307-10805 Federal worker protection standards—Washington state department of labor and industries. This part contains the federal Environmental Protection Agency (EPA) worker protection standards as listed in 40 C.F.R., Part 170. Revisions to the federal language have been incorporated into this part in order to be consistent with other requirements of Washington state law. These rules are adopted in conjunction with rules adopted by the Washington state department of labor and industries in this chapter, Part I and the Washington state department of agriculture in chapter 16-233 WAC.

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NEW SECTION

WAC 296-307-10810 Scope and purpose—40 C.F.R., Sec. 170.301. This part contains standards designed to reduce the risks of illness or injury resulting from workers' and handlers' occupational exposures to pesticides used in the production of agricultural plants on agricultural

establishment forests and also to reduce the accidental exposure of workers and other persons to such pesticides. It requires handlers to wear the label specified clothing and personal protective equipment when performing handler activities, and to take measures to protect workers and other persons during pesticide applications. It also requires workplace practices designed to reduce or eliminate exposure to pesticides and establishes procedures for responding to exposure-related emergencies.

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NEW SECTION

WAC 296-307-10815 Applicability—40 C.F.R., Sec. 170.303. (1) 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 subsections (2) and (3) of this section.

(2) 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:

(a) 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.

(b) 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.

(c) For control of vertebrate pests, unless directly related to the production of an agricultural plant.

(d) As attractants or repellents in traps.

(e) On the harvested portions of agricultural plants or on harvested timber.

(f) For research uses of unregistered pesticides.

(g) On pasture and rangeland where the forage will not be harvested for hay.

(h) 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 noncrop areas.

(3) Where a pesticide product's labeling-specific directions for use or other labeling requirements are inconsistent with requirements of this chapter, users must comply with the pesticide product labeling, except as provided for in WAC 296-307-11405, 296-307-11410, and 296-307-11420.

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NEW SECTION

WAC 296-307-10820 Definitions—40 C.F.R., Sec. 170.305. 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 emergency" for agricultural emergencies see WAC 296-307-11410 (3)(a).

"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 while removing pesticide contents from its original container, preventing the pesticide from contacting handlers. It is used to protect handlers or other persons from pesticide exposure hazards when mixing and loading pesticides. When used properly and as intended, water-soluble packaging may qualify as a type of closed system.

"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 and who holds a current Washington state department of agriculture commercial consultant license in the agricultural areas in which they are advising. The term does not include any person who is performing hand labor tasks.

"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 WAC 296-307-10825(8) in accordance with WAC 296-307-10830(2).

"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 any type of compensation including a salary, wages, or 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 contact with pesticides that are being applied outside of the cab. Refer to WAC 296-307-11420(5).

"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 or that is covered and enclosed in a way that would obstruct natural air flow (e.g., greenhouse, mushroom houses, hoop houses, polyhouses, rhubarb houses), and that is large enough to permit a person to enter. Structures, such as shade houses with a covering made of fencing or fabric to provide shade on plants that do not have any walls are not considered enclosed spaces.

"Farm" means any operation, other than a nursery or forest, engaged in the outdoor production of agricultural plants.

"Forest" means any operation engaged in the outdoor production of any agricultural plant to produce wood fiber or timber products.

"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 surfaces (such as plants, plant parts, or soil) and other surfaces that may contain pesticide residues. These activities include, but are not limited to, harvesting,

detasseling, thinning, weeding, topping, planting, sucker removal, pruning, disbudding, roguing, and packing produce into containers in the field. Hand labor does not include performing crop advisor tasks or operating, moving, or repairing irrigation or watering equipment. For irrigation or watering equipment used during chemigation see handler activities.

"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:

- Mixing, loading, or applying pesticides.
- Disposing of pesticides.
- 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.

- Acting as a flagger.
- Cleaning, adjusting, handling, or repairing the parts of mixing, loading, or application

equipment that may contain pesticide residues, including irrigation equipment used for chemigation.

- Assisting with the application of pesticides.
- 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 in

WAC 296-307-10915 (2)(c) or the labeling has been met to operate ventilation equipment, monitor air levels, or adjust or remove coverings used in fumigation.

- 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.

- 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 in WAC 296-307-10915 (2)(c) or the pesticide product labeling has been met, and either inhalation exposure levels are below PELs in WAC 296-307-624, Part Y-6 Respiratory hazards, or respiratory protection is provided and worn according to requirements in WAC 296-307-594, Part Y-5.

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

"Immediate family" includes only spouse, children, stepchildren, foster children, parents, stepparents, foster parents, brothers, and sisters.

"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 by nonporous material. This includes shade houses without sides, that may minimally obstruct the natural airflow.

"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 chapter.

"Personal protective equipment" means devices, appliances or apparel that are worn or used to protect the body from exposure to safety and health hazards. PPE that protects against chemical hazards such as 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 (REI)" means the time after the end of a pesticide application during which entry into the treated area is restricted.

"Safety data sheet (SDS)" means written or printed material concerning a hazardous chemical that is prepared in accordance with WAC 296-901-14014.

"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:

- Preapplication activities including, but not limited to:
 - Arranging for the application of the pesticide.
 - Mixing and loading the pesticide.
 - 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.

Note: Additional requirements in WAC 296-307-097 Outdoor heat exposure, may apply between May 1st and September 30th of each year. See Part G-1.

- Application of the pesticide.
- Postapplication 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.

- 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.

"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.

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NEW SECTION

WAC 296-307-10825 Agricultural employer duties—40 C.F.R., Sec. 170.309. Agricultural employers must:

- (1) 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.
- (2) Ensure that each worker and handler subject to this part receives the protections required by this chapter part.
- (3) Ensure that any handler and any early entry worker is at least eighteen years old.
- (4) 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.
- (5) 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.
- (6) Provide emergency assistance in accordance with this subsection. 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 seventy-two 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:

(a) Make available to that person prompt 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.

(b) Provide all of the following information to that person and to the treating medical personnel:

(i) Copies of the applicable safety data sheet(s)(SDS) 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.

(iv) Antidote, first aid and other medical information from the product labeling.

(7) Ensure that workers or other persons employed or supervised by the agricultural establishment do not clean, repair, or adjust pesticide application equipment, unless trained as a handler under WAC 296-307-11205. Before allowing any person not directly employed or supervised by the agricultural establishment to clean, repair, or adjust equipment that has been used to mix, load, transfer, or apply pesticides, the agricultural employer shall assure that pesticide residues have been removed from the equipment if feasible and must provide all of the following information to such person:

(a) Pesticide application equipment may be contaminated with pesticides.

(b) The potentially harmful effects of exposure to pesticides.

(c) Procedures for handling pesticide application equipment and for limiting exposure to pesticide residues.

(d) Personal hygiene practices and decontamination procedures for preventing pesticide exposures and removing pesticide residues.

(8) Display, maintain, and provide access to pesticide safety information and pesticide application and hazard information that is legible and in accordance with WAC 296-307-10830. If workers or handlers are on the establishment and within the last thirty days a pesticide product has been used or a restricted-entry interval for such pesticide has been in effect on the establishment.

(9) 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.

(10) 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.

(11) The agricultural employer must notify a commercial pesticide handler employer (CPHER) of any specific locations and descriptions of those treated areas and any restrictions on entering the treated areas with restricted-entry intervals (REIs) in effect whenever:

(a) A handler employed by a CIPHER will be on the agricultural establishment; and

(b) The CIPHER handler may be in or walk within a quarter mile of any pesticide treated area with restricted-entry interval (REI) in effect.

(12) 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 WAC 296-307-10830(2) 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 WAC 296-307-11410.

(13) Provide any records or other information required by this section for inspection and copying upon request by an employee of EPA, or any duly authorized representatives of the Washington state department of agriculture or department of labor and industries.

(14) Pesticide safety, application, and hazard information must remain legible at all times when the information is required to be displayed. This information must be in accordance with WAC 296-307-10830.

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NEW SECTION

WAC 296-307-10830 Display requirements for pesticide safety information and pesticide application and hazard information—40 C.F.R., Sec. 170.311. (1) Display of pesticide safety information. Whenever pesticide safety information and pesticide application and hazard information are required to be provided under WAC 296-307-10825(8), pesticide safety information must be legible and displayed in accordance with this subsection.

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

(b) The pesticide safety information must include all of the following points:

(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.

Note: Consider including other activities that could be a route of exposure such as using a phone or cell phone, or tablet, applying makeup, getting into a personal vehicle.

(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 Washington state department of agriculture and Washington state department of labor and industries, 1-800-4BE-SAFE (1-800-423-7233).

(c) **Changes to pesticide safety information.** The agricultural employer must update the pesticide safety information display within twenty-four hours of notice of any changes to the information required in (b)(ix) of this subsection.

(d) **Location.** The pesticide safety information must be displayed at each of the following sites on the agricultural establishment:

(i) The site selected pursuant to subsection (2)(b) of this section for display of pesticide application and hazard information.

(ii) Anywhere that decontamination supplies must be provided on the agricultural establishment pursuant to WAC 296-307-10930, 296-307-11225 or 296-307-11415, but only when the decontamination supplies are located at permanent sites or being provided at locations and in quantities to meet the requirements for eleven or more workers or handlers.

(e) **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.

(2) **Keeping and displaying pesticide application and hazard information.** Whenever pesticide safety information and pesticide application and hazard information is required to be provided under WAC 296-307-10825(8), pesticide application and hazard information for any pesticides that are used on the agricultural establishment must be displayed in a legible manner, retained, and made accessible in accordance with this subsection.

(a) **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 (SDS).

(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.

(b) **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.

(c) **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.

(d) **Timing.** The pesticide application and hazard information for each pesticide product applied must be displayed no later than twenty-four 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 thirty 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.

(e) **Record retention.** Whenever pesticide safety information and pesticide application and hazard information is required to be displayed in accordance with this subsection, the agricultural employer must retain the pesticide application and hazard information described in (a) of this subsection

on the agricultural establishment for seven years after the date of expiration of the restricted-entry interval applicable to the pesticide application conducted.

(f) 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 in accordance with (e) and (f) of this subsection, 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 fifteen 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, nondiscriminatory 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.

(g) 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 seven years in (f) of this subsection 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.

(h) 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 seven years in (f) of this subsection 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 fifteen days after receiving any such request, provided the request meets the requirements specified in (h)(ii) of this subsection.

(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 (h)(i) and (ii) of this subsection, 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 fifteen 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, nondiscriminatory 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.

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NEW SECTION

WAC 296-307-10835 Commercial pesticide handler employer duties—40 C.F.R., Sec.

170.313. Commercial pesticide handler employers must:

(1) 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.

(2) Ensure each handler employed by the commercial pesticide handling establishment and subject to this part receives the protections required by this part.

(3) Ensure that any handler employed by the commercial pesticide handling establishment is at least eighteen years old.

(4) 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.

(5) 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.

(6) 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.

(7) 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.

(8) 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.

(9) Provide the agricultural employer all of the following information before the application of any pesticide on an agricultural establishment:

(a) Specific location(s) and description of the area(s) to be treated.

(b) The date(s) and start and estimated end times of application.

(c) Product name, EPA registration number, and active ingredient(s).

(d) The labeling-specified restricted-entry interval applicable for the application.

(e) Whether posting, oral notification or both are required under WAC 296-307-10925.

(f) 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.

(10) If there are any changes to the information provided in subsection (9)(a), (d), (e), and (f) of this section 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 subsection (9) of this section, 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.

(11) Provide emergency assistance in accordance with this subsection. 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 seventy-two 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:

(a) Make available to that person prompt 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.

(b) Provide all of the following information to the treating medical personnel:

(i) Copies of the applicable safety data sheet(s)(SDS) 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.

(iv) Antidote, first aid and other medical information from the product labeling.

(12) 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 WAC 296-307-11205. 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 shall assure that pesticide residues have been removed from the equipment if feasible and must provide all of the following information to such persons:

(a) Notice that the pesticide application equipment may be contaminated with pesticides.

(b) The potentially harmful effects of exposure to pesticides.

(c) Procedures for handling pesticide application equipment and for limiting exposure to pesticide residues.

(d) Personal hygiene practices and decontamination procedures for preventing pesticide exposures and removing pesticide residues.

(13) 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 the Washington state department of agriculture or the department of labor and industries.

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NEW SECTION

WAC 296-307-10840 Prohibited actions—40 C.F.R., Sec. 170.315. 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 the Washington state department of agriculture, or the department of labor and industries 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 the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA), Section 12(a)(2)(G), 7 U.S.C. 136j(a)(2)(G).

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NEW SECTION

WAC 296-307-10845 Violations of this part—40 C.F.R., Sec. 170.317. (1) RCW 15.58.150 (2)(c) provides that it is unlawful for any person "...to use or cause to be used any pesticide contrary to label directions...." When 40 C.F.R., Part 170 is referenced on a label, users must comply with all of its requirements, except those that are inconsistent with product-specific instructions on the pesticide product labeling, except as provided for in WAC 296-307-11405, 296-307-11410, and 296-307-11420.

(2) A person who has a duty under this part, as referenced on the pesticide product labeling, and who fails to perform that duty, violates RCW 15.58.330 and 17.21.315, FIFRA Section 12(a)(2)(G), and is subject to civil penalties under RCW 15.58.335, 15.58.260, and 17.21.315.

(3) FIFRA Section 14(b)(4) provides that a person is liable for a penalty under FIFRA if another person employed by or acting for that person violates any provision of FIFRA. The term "acting for" includes both employment and contractual relationships including, but not limited to, labor contractors.

(4) The requirements of this part including the decontamination requirements, must not, for the purposes of Title 29 U.S.C. Sec. 653(b)(1), be deemed to be the exercise of statutory authority to prescribe or enforce standards or regulations affecting the general sanitary hazards addressed by the

WISHA Field Sanitation Standard, WAC 296-307-095, OSHA Field Sanitation Standard, 29 C.F.R. Sec. 1928.110, or other agricultural nonpesticide hazards.

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NEW SECTION

WAC 296-307-109 Requirements for protection of agricultural workers.

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NEW SECTION

WAC 296-307-10905 Training requirements for workers—40 C.F.R., Sec. 170.401. (1)

General requirement. Before any worker performs any task in a treated area on an agricultural establishment where within the last thirty 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 twelve months, except as provided in subsection (2) of this section.

Note: In addition to the training required by this section, the agricultural employer shall assure without exception, that all employees are trained in accordance with chapter 296-901 WAC, Globally harmonized system for hazard communication.

(2) Exceptions. The following workers need not be trained under this section:

(a) A worker who is currently certified as an applicator of restricted use pesticides under chapter 17.21 RCW.

(b) A worker who has satisfied the handler training requirements in WAC 296-307-11205.

(c) A worker who is certified or licensed as a crop advisor by the Washington state department of agriculture under RCW 15.58.230, provided, that a requirement for such certification or licensing is pesticide safety training that includes all the topics in WAC 296-307-11205 (3)(b) or (c) as applicable depending on the date of training.

(3) Training programs.

(a) 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 (d) of this subsection, and who must be present during the entire training program and must respond to workers' questions.

(b) The training must include, at a minimum, all of the following topics:

(i) Where and in what form pesticides may be encountered during work activities.

(ii) Hazards of pesticides resulting from toxicity and exposure, including acute and chronic effects, delayed effects, and sensitization.

(iii) Routes through which pesticides can enter the body.

(iv) Signs and symptoms of common types of pesticide poisoning.

(v) Emergency first aid for pesticide injuries or poisonings.

(vi) How to obtain emergency medical care.

(vii) Routine and emergency decontamination procedures, including emergency eye flushing techniques.

(viii) Hazards from chemigation and drift.

(ix) Hazards from pesticide residues on clothing.

(x) Warnings about taking pesticides or pesticide containers home.

(xi) Requirements of this section designed to reduce the risks of illness or injury resulting from workers' occupational exposure to pesticides, including application and entry restrictions, the design of the warning sign, posting of warning signs, oral warnings, the availability of specific information about applications, and the protection against retaliatory acts.

(c) EPA intends to make available to the public training materials that may be used to conduct training conforming to the requirements of this section. Within one hundred eighty-one days after a notice of availability of such training materials appears in the *Federal Register*, but no earlier than TBD training programs required under this section must include, at a minimum, all of the topics listed in (c)(i) through (xxiii) of this subsection instead of the topics listed in (b)(i) through (xi) of this subsection.

(i) 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.

(ii) 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.

(iii) How to follow directions and/or signs about keeping out of pesticide treated areas subject to a restricted-entry interval and application exclusion zones.

(iv) 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.

(v) Potential hazards from toxicity and exposure that pesticides present to workers and their families, including acute and chronic effects, delayed effects, and sensitization.

(vi) Routes through which pesticides can enter the body.

(vii) Signs and symptoms of common types of pesticide poisoning.

(viii) Emergency first aid for pesticide injuries or poisonings.

(ix) 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, wash or shower with soap and water, shampoo hair, and change into clean clothes.

(x) How and when to obtain emergency medical care.

(xi) When working in pesticide treated areas, 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.

Note: Consider including other activities that could be a route of exposure such as using a phone or cell phone, or tablet, applying makeup, getting into a personal vehicle.

(xii) Wash or shower with soap and water, shampoo hair, and change into clean clothes as soon as possible after working in pesticide treated areas.

(xiii) Potential hazards from pesticide residues on clothing.

(xiv) Wash work clothes before wearing them again and wash them separately from other clothes.

(xv) Do not take pesticides or pesticide containers used at work to your home.

(xvi) Safety data sheets (SDSs) 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 (SDSs) for all pesticides used on the establishment.

(B) Provide workers and handlers information about the location of the safety data sheets (SDSs) on the establishment.

(C) Provide workers and handlers unimpeded access to safety data sheets (SDSs) during normal work hours.

(xvii) This section 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.

(xviii) The responsibility of agricultural employers to provide specific information to workers before directing them to perform early entry activities. Workers must be eighteen years old to perform early entry activities.

(xix) Potential hazards to children and pregnant women from pesticide exposure.

(xx) Keep children and nonworking family members away from pesticide treated areas.

(xxi) After working in pesticide treated areas, 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.

(xxii) How to report suspected pesticide use violations to the Washington state department of agriculture.

(xxiii) This section 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 chapter part, or because the worker or handler provided, caused to be provided or is about to provide information to the employer, the EPA or its agents, or any duly authorized representative of the Washington state department of agriculture regarding conduct that the employee reasonably believes violates this chapter part, and/or made a complaint, testified, assisted, or participated in any manner in an investigation, proceeding, or hearing concerning compliance with this chapter part.

(d) The person who conducts the training must meet one of the following criteria:

(i) Be currently designated as a trainer of certified applicators or pesticide handlers by the Washington state department of agriculture in accordance with chapters 15.58 and 17.21 RCW; or

(ii) Have completed a pesticide safety train-the-trainer program approved by the Washington state department of agriculture in accordance with chapters 15.58 and 17.21 RCW; or

(iii) Be currently certified as an applicator of restricted use pesticides under chapter 17.21 RCW.

(4) Recordkeeping.

(a) For each worker required to be trained under subsection (1) of this section, 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 subsection (3)(d) of this section at the time of training.

(v) The agricultural employer's name.

(b) An agricultural employer who provides, directly or indirectly, training required under subsection (1) of this section must provide to the worker upon request a copy of the record of the training that contains the information required under (a) of this subsection.

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NEW SECTION

WAC 296-307-10910 Establishment-specific information for workers—40 C.F.R., Sec.

170.403. Before any worker performs any activity in a treated area on an agricultural establishment where within the last thirty 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:

(1) The location of pesticide safety information required in WAC 296-307-10830(1).

(2) The location of pesticide application and hazard information required in WAC 296-307-10830(2).

(3) The location of decontamination supplies required in WAC 296-307-10930.

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NEW SECTION

WAC 296-307-10915 Entry restrictions associated with pesticide applications—40 C.F.R.,

Sec. 170.405. (1) Outdoor production pesticide applications.

(a) During any outdoor production pesticide application, 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 treated area or an application exclusion zone (AEZ) that is within the boundaries of the establishment until the application is complete.

(b) A summary of outdoor production application exclusion zones (AEZ) can be found in Table 1 and is defined as follows:

(i) The application exclusion zone is the area that extends one hundred feet horizontally from the application equipment in all directions during application when the pesticide is applied by any of the following methods:

(A) Aerially.

(B) Air blast application.

(C) As a spray using a spray quality (droplet spectrum) of smaller than medium (volume median diameter of less than 294 microns).

(D) As a fumigant, smoke, mist, or fog.

(ii) The application exclusion zone is the area that extends twenty-five feet horizontally from the application equipment in all directions during application when the pesticide is applied not as in (a)(i)(A) through (D) of this subsection and is sprayed from a height of greater than twelve inches from the planting medium using a spray quality (droplet spectrum) of medium or larger (volume median diameter of 294 microns or greater).

(iii) There is no application exclusion zone when the pesticide is applied in a manner other than those covered in (a)(i) and (ii) of this subsection.

(c) During any outdoor production pesticide application, 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 treated area or an application exclusion zone that is within the boundaries of the establishment until the application is complete.

(d) After the application is complete, the area subject to the labeling-specified restricted-entry interval and the postapplication entry restrictions specified in WAC 296-307-10920 is the treated area.

Table 1

Entry Restrictions* - During Outdoor Production Pesticide Application (AEZ)

*Note: This applies to the area within the boundaries of the establishment, outside establishment boundaries, the handler must suspend application long enough to ensure no contact with any persons within the AEZ (see WAC 296-307-11215 (1) and (2)). WAC 296-307-10915 (1)(b) and (c). During pesticide application and after application is complete, pesticide labeling-specified restricted-entry intervals and post-application restrictions apply to the treated area.

| | |
|--|---|
| <p>*During pesticides being applied: (WAC 296-307-10915)</p> | <p>Prohibit workers and any persons, other than appropriately trained and equipped handlers, from being in the AEZ:</p> |
| <p>(A) Aerially (B) Air blast application (C) As a spray using a spray quality (droplet spectrum) of smaller than medium (volume median diameter of less than 294 microns) (D) As a fumigant, smoke, mist, fog, or aerosol</p> | <p>Area that extends 100 feet horizontally in all directions from the application equipment until after the application is complete.</p> |
| <p>Not applied as (A), (B), (C), or (D) above and: - From a height of greater than 12 inches from the planting medium; and - As a spray using a medium or larger spray quality droplet spectrum of volume median diameter of 294 microns or greater.</p> | <p>Area that extends 25 feet horizontally in all directions from the application equipment until after the application is complete.</p> |
| <p>- Otherwise - No AEZ</p> | <p>Follow applicable label directions for restricted-entry intervals.</p> |

(2) Enclosed space production pesticide applications.

(a) During any enclosed space production pesticide application described in column 1 of Table 2 under (d) of this subsection, 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 application exclusion zone (AEZ) area specified in column 2 of Table 2 under (d) of this

subsection during the application and until the time specified in column 3 of Table 2 under (d) of this subsection has expired.

(b) After the time specified in column 3 of Table 2 under (d) of this subsection has expired, the area subject to the labeling-specified restricted-entry interval and the postapplication entry restrictions specified in WAC 296-307-10920 is the area specified in column 4 of Table 2 under (d) of this subsection.

(c) When column 3 of Table 2 under (d) of this subsection 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.
- (d) The following table applies to (a), (b), and (c) of this subsection.

Table 2

Entry Restrictions During Enclosed Space Production Pesticide Applications

| 1. When a pesticide is applied: | 2. Prohibit workers and any persons, other than appropriately trained and equipped handlers, from being in the AEZ: | 3. Until: | 4. After the expiration of time specified in column 3, the area subject to the restricted-entry interval is: |
|--|---|--|--|
| (a) 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 subsection (2)(c) of this section are met. | No postapplication entry restrictions required by WAC 296-307-10920 after criteria in column 3 are met. |
| (b) As a: (i) Smoke; or (ii) Mist; or (iii) Fog; or (iv) 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 subsection (2)(c) of this section are met. | Entire enclosed space. |
| (c) Not as in (a) or (b) above, the pesticide product label requires a respirator during application. | Entire enclosed space. | The ventilation criteria of subsection (2)(c) of this section are met. | Treated area. |
| (d) Not as in (a), (b), or (c), above 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. |

| | | | |
|----------------|---------------|---|-------------------|
| (e) Otherwise. | Treated area. | Follow any applicable label restrictions for reentry. | Otherwise no AEZ. |
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NEW SECTION

WAC 296-307-10920 Worker entry restrictions after pesticide applications—40 C.F.R., Sec.

170.407. (1) 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 in WAC 296-307-11410.

(2) 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 4 of the table in WAC 296-307-10915 (2)(d), 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 in WAC 296-307-11410.

(3) 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.

(4) When two or more pesticides are applied to a treated area at the same time, the employer must provide and ensure employees, workers and handlers wear the applicable PPE to protect against all of the pesticides as a mixture and combined product.

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NEW SECTION

WAC 296-307-10925 Oral and posted notification of worker entry restrictions—40 C.F.R.,

Sec. 170.409. (1) General requirement. The agricultural employer must notify workers of all entry restrictions required in WAC 296-307-10915 and 296-307-10920 in accordance with this section.

(a) 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 subsection (2) of this section and must also provide oral notification of the application to workers in accordance with subsection (3) of this section.

(ii) Outdoor production areas subject to restricted-entry intervals greater than forty-eight hours. If a pesticide with product labeling that requires a restricted-entry interval greater than forty-eight hours is applied to an outdoor production area, the agricultural employer must notify workers of the application by posting warning signs in accordance with subsection (2) of this section.

(iii) Outdoor production areas subject to restricted-entry intervals equal to or less than forty-eight hours. If a pesticide with product labeling that requires a restricted-entry interval equal to or less than

forty-eight 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 subsection (2) of this section or by providing workers with an oral warning in accordance with subsection (3) 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 subsection (2) 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 subsection (2) of this section or by providing workers with an oral warning in accordance with subsection (3) of this section.

(b) 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 one-quarter 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 in subsection (3)(a) of this section.

(2) Requirements for posted warning signs. If notification by posted warning signs is required pursuant to subsection (1) of this section, the agricultural employer must, unless otherwise prescribed by the label, ensure that all warning signs meet the requirements of this subsection. 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 in WAC 296-307-11410.

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

(i) Be one of the three sizes specified in (c) of this subsection and comply with the posting placement and spacing requirements applicable to that sign size.

(ii) Be posted prior to but no earlier than twenty-four 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.

(A) The agricultural employer instructs any workers on the establishment that may come within one-quarter 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 in WAC 296-307-11410.

(v) Remain visible and legible during the time they are required to be posted.

(b) 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 (b)(i) of this subsection.

(c) Size and posting.

(i) The standard sign must be at least fourteen inches by sixteen 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 one hundred 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 postapplication entry restrictions specified in WAC 296-307-10920, 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 seven-eighths inch in height and the remaining letters at least one-half 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 fifty feet apart around the perimeter of the treated area in addition to the locations specified in (c)(ii) or (iii) of this subsection.

(v) If a smaller sign is used with "DANGER" and "PELIGRO" in letters at least seven-sixteenths inch in height and the remaining letters at least one-quarter inch in height and a red circle at least one and one-half inches in diameter containing an upraised hand and a stern face, the signs must be posted no farther than twenty-five feet apart around the perimeter of the treated area in addition to the locations specified in (c)(ii) or (iii) of this subsection.

(vi) A sign with "DANGER" and "PELIGRO" in letters less than seven-sixteenths inch in height or with any words in letters less than one-quarter inch in height or a red circle smaller than one and one-half inches in diameter containing an upraised hand and a stern face will not satisfy the requirements of this chapter part.

(3) Oral warnings - Requirement. If oral notification is required pursuant to subsection (1) 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:

- (a) The location(s) and description of any treated area(s) subject to the entry restrictions during and after application specified in WAC 296-307-10915 and 296-307-10920.
- (b) 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 WAC 296-307-10915 and 296-307-10920.
- (c) 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 WAC 296-307-11410.

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NEW SECTION

WAC 296-307-10930 Decontamination supplies for workers—40 C.F.R., Sec. 170.411. (1)

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.

(2) Materials and quantities. The decontamination supplies required in subsection (1) of this section must provide adequate water at a minimum to include at least one 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:

(a) 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.

(b) 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.

(3) Timing.

(a) 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 thirty days after the restricted-entry interval expires.

(b) 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.

(4) 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 one-quarter mile from where workers are working, except that where workers are working more than one-quarter mile from the nearest place of vehicular access or more than one-quarter mile from any nontreated 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.

(5) Decontamination after early entry activities. At the end of any exposure period for workers engaged in early entry activities permitted by WAC 296-307-11415 and involving 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, the agricultural employer shall provide, at the site where the workers remove personal protective equipment, soap, clean towels, and an adequate amount of water so that the workers may wash thoroughly. At least ten gallons of water for one employee and twenty gallons of water for two or more employees shall be provided at early entry sites that do not have running water.

□

NEW SECTION

WAC 296-307-112 Requirements for protection of agricultural pesticide handlers.

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NEW SECTION

WAC 296-307-11205 Training requirements for handlers—40 C.F.R., Sec. 170.501. (1)

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 twelve months, except as provided in subsection (2) of this section.

Note: In addition to the training required by this section, the agricultural employer shall assure without exception, that all employees are trained in accordance with chapter 296-901 WAC, Globally harmonized system for hazard communication.

(2) Exceptions. The following handlers need not be trained under this section:

(a) A handler who is currently certified as an applicator of restricted use pesticides under chapter 17.21 RCW.

(b) A handler who is certified or licensed as a crop advisor by the Washington state department of agriculture under RCW 15.58.230, provided that a requirement for such certification or licensing is pesticide safety training that includes all the topics set out in subsection (3)(b) or (c) of this section as applicable depending on the date of training.

(3) Training programs.

(a) 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 (d) of this subsection, and who must be present during the entire training program and must respond to handlers' questions.

(b) The pesticide safety training materials must include, at a minimum, all of the following topics:

(i) Format and meaning of information contained on pesticide labels and in labeling, including safety information such as precautionary statements about human health hazards.

(ii) Hazards of pesticides resulting from toxicity and exposure, including acute and chronic effects, delayed effects, and sensitization.

(iii) Routes by which pesticides can enter the body.

(iv) Signs and symptoms of common types of pesticide poisoning.

(v) Emergency first aid for pesticide injuries or poisonings.

(vi) How to obtain emergency medical care.

(vii) Routine and emergency decontamination procedures.

(viii) Need for and appropriate use of personal protective equipment.

(ix) Prevention, recognition, and first-aid treatment of heat-related illness.

(x) Safety requirements for handling, transporting, storing, and disposing of pesticides, including general procedures for spill cleanup.

(xi) Environmental concerns such as drift, runoff, and wildlife hazards.

(xii) Warnings about taking pesticides or pesticide containers home.

(xiii) Requirements of this section that must be followed by handler employers for the protection of handlers and other persons, including the prohibition against applying pesticides in a manner that will cause contact with workers or other persons, the requirement to use personal protective equipment, the provisions for training and decontamination, and the protection against retaliatory acts.

(c) EPA intends to make available to the public training materials that may be used to conduct training conforming to the requirements of this section. Within one hundred eighty days after a notice of

availability of such training materials appears in the *Federal Register*, training programs required under this section must include, at a minimum, all of the topics listed in (c)(i) through (xiv) of this subsection instead of the points listed in (b)(i) through (xiii) of this subsection.

- (i) All the topics required in WAC 296-307-10905 (3)(c).
- (ii) Information on proper application and use of pesticides.
- (iii) Handlers must follow the portions of the labeling applicable to the safe use of the pesticide.
- (iv) Format and meaning of information contained on pesticide labels and in labeling applicable to the safe use of the pesticide.
- (v) Need for and appropriate use and removal of all personal protective equipment.
- (vi) How to recognize, prevent, and provide first-aid treatment for heat-related illness.
- (vii) Safety requirements for handling, transporting, storing, and disposing of pesticides, including general procedures for spill cleanup.
- (viii) Environmental concerns, such as drift, runoff, and wildlife hazards.
- (ix) Handlers must not apply pesticides in a manner that results in contact with workers or other persons.
- (x) 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.

(xi) Handlers must suspend a pesticide application if workers or other persons are in the application exclusion zone.

(xii) Handlers must be at least eighteen years old.

(xiii) 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.

(xiv) The responsibility of agricultural employers to post treated areas as required by this part.

(d) The person who conducts the training must have one of the following qualifications:

(i) Be currently designated as a trainer of certified applicators or pesticide handlers by the Washington state department of agriculture under chapter 15.58 or 17.21 RCW; or

(ii) Have completed a pesticide safety train-the-trainer program approved by a state, federal, or tribal agency having jurisdiction.

(iii) Be currently certified as an applicator of restricted use pesticides under chapter 17.21 RCW.

(4) Recordkeeping.

(a) 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 subsection (3)(d) of this section at the time of training.

(v) The handler employer's name.

(b) 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 (a) of this subsection.

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NEW SECTION

WAC 296-307-11210 Knowledge of labeling, application-specific, and establishment-specific information for handlers—40 C.F.R., Sec. 170.503. (1) Knowledge of labeling and application-specific information.

(a) 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.

(b) The handler employer must ensure that the handler has access to the applicable product labeling at all times during handler activities.

(c) 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 WAC 296-307-10915 and 296-307-10920 that may apply based on the handler's activity.

(2) **Knowledge of establishment-specific information.** Before any handler performs any handler activity on an agricultural establishment where within the last thirty 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:

(a) The location of pesticide safety information required in WAC 296-307-10830(1).

(b) The location of pesticide application and hazard information required in WAC 296-307-10830(2).

(c) The location of decontamination supplies required in WAC 296-307-11225.

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NEW SECTION

WAC 296-307-11215 Requirements during applications to protect handlers, workers, and other persons—40 C.F.R., Sec. 170.505. (1) 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.

(2) Suspending applications. 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 WAC 296-307-10915 (1)(a) or the area specified in column 2 of the table in WAC 296-307-10915 (2)(d).

(3) 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.

(4) Fumigant applications in enclosed space production. The handler employer must ensure all of the following:

(a) 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.

(b) 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.

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NEW SECTION

WAC 296-307-11220 Personal protective equipment—40 C.F.R., Sec. 170.507. (1) 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 WAC 296-307-11420.

(2) 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 fits, is clean and in proper operating condition. When two or more pesticides are applied to a treated area at the same time, the employer must ensure employees, workers and handlers wear the applicable PPE that would protect against all of the pesticides as a mixture and combined product. 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.

(a) 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.

(b) 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.

(c) 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.

(d) 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.

(e) 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 nonseparable absorbent lining materials are prohibited.

(iii) If used, separable glove liners must be discarded immediately after a total of no more than ten hours of use or within twenty-four 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.

(f) 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.

(g) 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.

(h) 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.

(i) 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.

Table 3

Chemical Resistance Category Selection Chart for Gloves

(For use when selecting glove types to be listed in the PPE section on pesticide label. Only select glove(s) that indicate a high level of chemical resistance.)

Note: This table below provides examples of categories of chemical resistant materials that can be used to protect against different kinds of pesticides.

| Solvent Category (see Table 4) | Barrier Laminat e | Butyl Rubbe r ≥ 14 mils | Nitrile Rubber ≥ 14 mils | Neopren e Rubber ≥ 14 mils | Natural Rubber * ≥ 14 mils | Poly-ethylene | Polyviny l Chloride (PVC) ≥ 14 mils | Vito n ≥ 14 mils |
|--|--------------------------|--------------------------------|---------------------------------|-----------------------------------|-----------------------------------|----------------------|--|-------------------------|
| A (dry and water-based formulations) | high | high | high | high | high | high | high | high |
| B | high | high | slight | slight | none | slight | slight | slight |

| | | | | | | | | |
|----------|------|--------|----------|----------|----------|----------|----------|--------|
| C | high | high | high | high | moderate | moderate | high | high |
| D | high | high | moderate | moderate | none | none | none | slight |
| E | high | slight | high | high | slight | none | moderate | high |
| F | high | high | high | moderate | slight | none | slight | high |
| G | high | slight | slight | slight | none | none | none | high |
| H | high | slight | slight | slight | none | none | none | high |

* Includes natural rubber blends and laminates.

HIGH: Highly chemical-resistant. Clean or replace PPE at end of each day's work period. Rinse off pesticides at rest breaks.

MODERATE: Moderately chemical-resistant. Clean or replace within an hour or two of contact.

SLIGHT: Slightly chemical-resistant. Clean or replace within ten minutes of contact.

NONE: No chemical-resistance.

(j) The respirator specified by the pesticide product labeling must be used. If the label does not specify the type of respirator to be used, it shall meet the requirements of Part Y-5 of this chapter.

Whenever a respirator is required by the pesticide product labeling, the handler employer must ensure that the requirements of (j)(i) through (iii) of this subsection are met before the handler performs any handler activity where the respirator is required to be worn. The respiratory protection requirements of Part Y-5 of this chapter shall apply. The handler employer must maintain for two years, on the establishment, records documenting the completion of the requirements of (j)(i) through (iii) of this subsection.

(i) The handler employer shall assure that the respirator fits correctly by using the procedures consistent with Part Y-5 of this chapter.

(ii) Handler employers must provide handlers with training in the use of the respirator specified on the pesticide product labeling in a manner that conforms to the provisions of Part Y-5 of this chapter.

(iii) Handler employers must provide handlers with a medical evaluation by a physician or other licensed health care professional that conforms to the provisions of WAC 296-307-604 to ensure the handler's physical ability to safely wear the respirator specified on the pesticide product labeling.

(3) Use of personal protective equipment.

(a) 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.

(b) 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.

(4) Cleaning and maintenance.

(a) 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.

(b) 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 subsection. Handler employers must ensure that any person who handles contaminated personal protective equipment described in this subsection 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.

(c) The handler employer must ensure that contaminated personal protective equipment is kept separate from noncontaminated personal protective equipment, other clothing or laundry and washed separately from any other clothing or laundry.

(d) The handler employer must ensure that all washed personal protective equipment is dried thoroughly before being stored or reused.

(e) The handler employer must ensure that all clean personal protective equipment is stored separately from personal clothing and apart from pesticide-contaminated areas.

(f) 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 each day's work period.

(g) 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.

(ii) When the maximum use time is reached as determined by a change schedule conforming to the provisions of Part Y-5 of this chapter.

(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 each day's work period.

(h) 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.

(i) 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.

(j) 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.

(5) Heat-related illness. Where a pesticide's labeling requires the use of personal protective equipment for a handler activity, the handler employer must ensure that no handler is allowed or directed to wear personal protective equipment without implementing measures sufficient to prevent heat-related illness and that each handler is instructed in the prevention, recognition, and first-aid treatment of heat-related illness.

Note: Additional requirements in WAC 296-307-097 Outdoor heat exposure, may apply between May 1st and September 30th of each year. See Part G-1.

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NEW SECTION

WAC 296-307-11225 Decontamination and eye flushing supplies for handlers—40 C.F.R.,

Sec. 170.509. (1) 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 in WAC 296-307-11220

(4)(i).

(2) General conditions. The decontamination supplies required in subsection (1) of this section must include: At the site where handlers remove personal protective equipment, soap, clean towels, and a sufficient amount of water so that the handlers may wash thoroughly. At least ten gallons of water for one

employee and twenty gallons of water for two or more employees shall be provided at mixing and loading sites that do not have running water. The decontamination and eye flushing supplies required in subsection (1) of this section must meet all of the following requirements:

(a) 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.

(b) 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.

(c) Clean change of clothing. The handler employer must provide one clean change of clothing, such as coveralls, for use in an emergency.

(3) 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 one-quarter mile from the handler, except that where the handler activity is more than one-quarter mile from the nearest place of vehicular

access or more than one-quarter mile from any nontreated 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.

(a) Mixing sites. Decontamination supplies must be provided at any mixing site.

(b) Exception for pilots. Decontamination supplies for a pilot who is applying pesticides aerially must be in the aircraft or at the aircraft loading site.

(c) 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.

(4) Emergency eye-flushing.

(a) Whenever a handler is mixing or loading a pesticide product whose labeling requires protective eyewear for handlers, or is mixing or loading any pesticide using a closed system operating under pressure, the handler employer must provide at each mixing and loading station and handler decontamination sites, immediately available to the handler, at least one plumbed or portable eye wash system that is capable of delivering gently running water at a rate of at least 0.4 gallons (1.5 liters) per minute for at least fifteen minutes, at least six gallons of water. A plumbed or portable system meeting the above requirements shall be provided at all permanent mixing and loading sites.

(b) 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.

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NEW SECTION

WAC 296-307-114 Exemptions, exceptions and equivalency.

□

NEW SECTION

WAC 296-307-11405 Exemptions—40 C.F.R., Sec. 170.601. (1) Exemption for owners of agricultural establishments and their immediate families.

(a) 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 sections 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) WAC 296-307-10825(3).

(ii) WAC 296-307-10825 (6) through (10).

(iii) WAC 296-307-10830 or 16-233-027.

(iv) WAC 296-307-10905.

(v) WAC 296-307-10910.

(vi) WAC 296-307-10925.

(vii) WAC 296-307-10930 and 296-307-11025.

(viii) WAC 296-307-11205.

(ix) WAC 296-307-11210.

(x) WAC 296-307-11215 (2) and (3) or 296-307-11220(4).

(xi) WAC 296-307-11220 (3) through (5).

(xii) WAC 296-307-11415 (1) through (3) and (5) through (10).

(b) 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.

(2) 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 WAC 296-307-10825 (5) and (6), 296-307-10835(11), 296-307-11225(1), 296-307-11210, and 296-307-11225 do not apply to certified crop advisors provided the application is complete and all of the following conditions are met:

(a) The crop advisor is certified or licensed as a crop advisor by the Washington state department of agriculture.

(b) The certification or licensing program requires pesticide safety training that includes all the information in WAC 296-307-11205 (3)(b) or (c) as applicable depending on the date of training.

(c) The crop advisor who enters a treated area during a restricted-entry interval only performs crop advising tasks while in the treated area.

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NEW SECTION

WAC 296-307-11410 Exceptions for entry by workers during restricted-entry intervals—40

C.F.R., Sec. 170.603. 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 WAC 296-307-11415 are met.

(1) 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:

(a) 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.

(b) No such entry is allowed until any inhalation exposure level listed in the pesticide product labeling has been reached or any ventilation criteria required in WAC 296-307-10915 (2)(c) or the pesticide product labeling have been met, and either inhalation exposure levels are below PELs in WAC 296-307-624, Part Y-6 Respiratory hazards, or respiratory protection is provided and worn according to requirements in WAC 296-307-594, Part Y-5.

(2) 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:

(a) No hand labor activity is performed.

(b) The time in treated areas where a restricted-entry interval is in effect does not exceed one hour in any twenty-four-hour period for any worker.

(c) No such entry is allowed during the first four hours after the application ends.

(d) No such entry is allowed until any inhalation exposure level listed in the pesticide product labeling has been reached or any ventilation criteria required in WAC 296-307-10915 (2)(c) or the pesticide product labeling have been met, and either inhalation exposure levels are below PELs in WAC 296-307-624, Part Y-6 Respiratory hazards, or respiratory protection is provided and worn according to requirements in WAC 296-307-594, Part Y-5.

(3) Exception for an agricultural emergency.

(a) 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.

(b) 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 Washington state department of agriculture 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 Washington state department of agriculture 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 (a) of this subsection.

(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 twenty-four-hour period in treated areas where such a restricted-entry interval is in effect.

(iv) No such entry is allowed during the first four 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 in WAC 296-307-10915 (2)(c) the pesticide product labeling have been met, and either inhalation exposure levels are below PELs in WAC 296-307-624, Part Y-6 Respiratory hazards, or respiratory protection is provided and worn according to requirements in WAC 296-307-594, Part Y-5.

(vi) A decontamination site has been provided in accordance with WISHA regulations.

(4) 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:

(a) No hand labor activity is performed.

(b) No worker is allowed in the treated area for more than eight hours in a twenty-four-hour period.

(c) No such entry is allowed during the first four hours after the application ends.

(d) No such entry is allowed until any inhalation exposure level listed in the pesticide product labeling has been reached or any ventilation criteria required in WAC 296-307-10915 (2)(c) or the pesticide product labeling have been met, and either inhalation exposure levels are below PELs in WAC 296-307-624, Part Y-6 Respiratory hazards, or respiratory protection is provided and worn according to requirements in WAC 296-307-594, Part Y-5.

(e) 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.

(f) With the exception of irrigation tasks, the need for the task could not have been foreseen.

(g) The worker has no contact with pesticide-treated surfaces other than minimal contact with feet, lower legs, hands, and forearms.

(h) 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.

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NEW SECTION

WAC 296-307-11415 Agricultural employer responsibilities to protect workers entering treated areas during a restricted-entry interval—40 C.F.R., Sec. 170.605. 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:

(1) The agricultural employer must ensure that the worker is at least eighteen years old.

(2) Prior to early entry, the agricultural employer must provide to each early entry worker the information described in (a) through (h) of this subsection. The information must be provided orally in a manner that the worker can understand.

(a) Location of early entry area where work activities are to be performed.

(b) Pesticide(s) applied.

(c) Dates and times that the restricted-entry interval begins and ends.

(d) Which exception in WAC 296-307-11410 is the basis for the early entry, and a description of tasks that may be performed under the exception.

(e) Whether contact with treated surfaces is permitted under the exception.

(f) Amount of time the worker is allowed to remain in the treated area.

(g) Personal protective equipment required by the pesticide product labeling for early entry.

(h) Location of the pesticide safety information required in WAC 296-307-10830(1) or 296-307-10835(1) and the location of the decontamination supplies required in subsection (8) of this section.

(3) 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.

(4) 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 WAC 296-307-11220 (2)(a) through (i).

(5) The agricultural employer must maintain the personal protective equipment in accordance with WAC 296-307-11220 (3) and (4).

(6) 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.

(7) 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.

Each worker is instructed in the prevention, recognition, and first-aid treatment of heat-related illness.

Note: Additional requirements in WAC 296-307-097 Outdoor heat exposure, may apply between May 1st and September 30th of each year. See Part G-1.

(8) During any early entry activity, the agricultural employer must provide decontamination supplies in accordance with WAC 296-307-11225, 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.

(9) 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 eye flushing that is immediately available to each worker who is performing early entry activities.

(10) 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 an adequate amount of water so that the workers may wash thoroughly. At least ten gallons of water for one employee and twenty gallons of water for two or more employees shall be provided at early entry sites that do not have running water.

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NEW SECTION

WAC 296-307-11420 Exceptions to personal protective equipment requirements specified on pesticide product labeling—40 C.F.R., Sec. 170.607. (1) Body protection.

(a) 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.

(b) A chemical-resistant suit may be substituted for coveralls and a chemical-resistant apron.

(2) 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.

(3) 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.

(4) Closed systems.

(a) When pesticides are being mixed or loaded using a closed system that meets all of the requirements in (b) of this subsection, and the handler employer meets the requirements in (c) of this subsection, 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 (a)(i) of this subsection may substitute protective eyewear, long-sleeved shirt, long pants, and shoes and socks for the labeling-specified personal protective equipment.

(b) The exceptions in (a) of this subsection 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.

(c) The exceptions in (a) of this subsection apply only where the handler employer has satisfied the requirements in WAC 296-307-10835 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.

(5) Enclosed cabs.

(a) If handling tasks are performed from inside a cab that has a nonporous barrier which totally surrounds the occupants of the cab and prevents contact with pesticides outside of the cab, exceptions to personal protective equipment specified on the product labeling for that handling activity are permitted as provided in (5)(b) through (d) of this subsection.

(b) Persons occupying an enclosed cab shall have all labeling-specified personal protective equipment immediately available and stored in a chemical-resistant container, such as a plastic bag. They shall wear such personal protective equipment if it is necessary to exit the cab and contact pesticide-treated surfaces in the treated area. Once personal protective equipment is worn in the treated area, it must be removed before reentering the cab.

(c) Persons occupying such an enclosed cab may substitute a long-sleeved shirt, long pants, shoes, and socks for the labeling-specified personal protective equipment. If a respiratory protection device is specified on the pesticide product labeling for the handling activity, it must be worn.

(d) Persons occupying an enclosed cab that has a properly functioning ventilation system which is used and maintained in accordance with the manufacturer's written operating instructions and which is declared in writing by the manufacturer to provide respiratory protection equivalent to or greater than a dust/mist filtering respirator may substitute a long-sleeved shirt, long pants, shoes, and socks for the

labeling-specified personal protective equipment. If a respiratory protection device other than a dust/mist-filtering respirator is specified on the pesticide product labeling, it must be worn.

(6) Aerial applications.

(a) 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.

(b) 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.

(c) Enclosed cockpit. Persons occupying an enclosed cockpit may substitute a long-sleeved shirt, long pants, shoes, and socks for labeling-specified personal protective equipment.

(7) Crop advisors.

(a) Provided the conditions in (b) through (d) of this subsection 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.

(b) The application has been complete for at least four hours.

(c) No such entry is allowed until any inhalation exposure level listed in the pesticide product labeling has been reached or any ventilation criteria required in WAC 296-307-10915 (2)(c) or the pesticide product labeling have been met, and either inhalation exposure levels are below PELs in WAC 296-307-624, Part Y-6 Respiratory hazards, or respiratory protection is provided and worn according to requirements in WAC 296-307-594, Part Y-5.

(d) 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.

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