

Worker Protection Standards for Agricultural Pesticides Used in Tobacco Production

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The U.S. Environmental Protection Agency Worker Protection Standard is a regulation that requires actions by employers to protect agricultural workers from the risk of pesticide-related illness or injury. To protect your workers, you must be aware of the Worker Protection Standard and comply with its requirements. To plan effectively, you must also understand how compliance might affect your operation.

To fulfill the requirements imposed by the Standard, you must protect workers and pesticide applicators in three ways:

- 1. Provide training on pesticide safety and information about the specific pesticides used on the farm.** Much of this information must be posted in a central location, including specifics on recent pesticide applications (location of application, name of the pesticide, EPA registration number, active ingredient, time and date of application, restricted-entry interval, and the time when workers may reenter the field).
- 2. Ensure protection against exposure.** Employers must provide personal protective equipment and be sure it is properly used and cleaned. They must also warn workers about treated areas (through oral warnings, posting of fields, or both) and make sure that workers do not enter treated fields during restricted-entry intervals (with some very specific exceptions). This may require careful scheduling of pesticide application and field work so that they do not conflict. Personal protective equipment requirements vary from pesticide to pesticide and may be different for applicator/handlers and mixer/loaders. Protective equipment also is required for entry into fields during the restricted-entry interval. Check labels carefully for specific requirements. Restricted-entry intervals also vary by pesticide and are given on labels (generally 4, 12, 24, or 48 hours).
- 3. Provide ways for workers to mitigate or minimize the impacts of pesticide exposure.** This includes making available decontamination sites and emergency assistance in case of exposure. For full information on the Worker Protection Standard, consult your local Cooperative Extension agent.

The following table lists products, registration numbers, common names, restricted entry intervals, and posting/notification requirements for the major pesticides and growth regulators used in tobacco. This should help you to properly record and post pesticide use and to plan field operations. Remember, however, that the information in this table is presented in good faith as a reference. This information does not take the place of the product label; changes to label information can occur without notice. *Always read and follow label directions.*

Note: Changes to labels can occur at any time; this information *does not* take the place of the product label. *Always read and follow label directions.*

Product Trade Name (common name) EPA Reg. No. Company Name	Signal Word	Restricted Entry Interval (REI) ¹	Personal Protective Equipment (PPE)		Worker Notification ₂	
			Applicators and Other Handlers	To Enter Treated Area Within REI	Oral	Posted
Acephate ® 75SP AG (<i>acephate</i>) EPA Reg. No. 51036-236 Micro Flo	Caution	24 hrs.	long-sleeved shirt and long pants; waterproof gloves; shoes plus socks; chemical-resistant headgear for overhead exposure	coveralls; waterproof gloves; shoes plus socks; chemical-resistant headgear for overhead exposure	either	either
Acrobat ® MZ (<i>dimethomorph & mancozeb</i>) EPA Reg. No. 241-383 BASF Corporation	Caution	24 hrs.	coveralls over long-sleeved shirt and long pants; waterproof gloves; shoes plus socks	coveralls; waterproof gloves; shoes plus socks	either	either
Actara 25 WDG (thiamethoxam) EPA Reg. No. 100-938 Syngenta Crop Protection	Caution	12 hrs.	long-sleeved shirt and long pants; waterproof gloves; shoes plus socks	coveralls; waterproof gloves; shoes plus socks	either	either
Actigard 50 WG (acibenzolar-S-methyl) EPA Reg. No. 100-922 Syngenta Crop Protection	Caution	12 hrs.	long-sleeved shirt and long pants; chemical-resistant gloves made of any waterproof material such as polyethylene or polyvinyl chloride; shoes plus socks	coveralls; chemical-resistant gloves made of any waterproof material such as polyethylene or polyvinyl chloride; shoes plus socks	either	either
Admire 2 F (imidacloprid) EPA Reg. No. 264-758 Bayer CropScience	Caution	12 hrs.	long-sleeved shirt and long pants; chemical-resistant gloves made of any waterproof material such as, barrier laminate, butyl rubber, nitrile rubber, neoprene rubber, natural rubber, polyethylene, polyvinylchloride (PVC) or viton; shoes plus socks	chemical-resistant gloves made of any waterproof material such as, barrier laminate, butyl rubber, nitrile rubber, neoprene rubber, natural rubber, polyethylene, polyvinylchloride (PVC) or viton; shoes plus socks	either	either
Advise™ 2FL (<i>imidacloprid</i>) EPA Reg. No. 42750-110-1381 Agrilience, LLC	Caution	12 hrs.	long-sleeved shirt and long pants; chemical-resistant gloves made of any waterproof material such as, barrier laminate, butyl rubber, nitrile rubber, natural rubber polyethylene, polyvinylchloride (PVC) or Viton; shoes plus socks	coveralls; chemical-resistant gloves made of any waterproof material such as, barrier laminate, butyl rubber, nitrile rubber, natural rubber polyethylene, polyvinylchloride (PVC) or Viton; shoes plus socks	either	either

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Agree® (<i>Bacillus thuringiensis</i> <i>subspecies aizawai</i>) EPA Reg. No. 70051-47 Certis USA, L.L.C.	Caution	4 hrs.	long-sleeved shirt and long pants; waterproof gloves; shoes plus socks; protective eyewear; dust/mist filtering respirator	coveralls; waterproof gloves; shoes plus socks; protective eyewear	either	either
Aim (<i>Carfentrazone</i>) EPA Reg. No. 279-3241 FMC Corporation	Caution	12 hrs.	long-sleeved shirt and long pants; waterproof gloves; shoes plus socks	coveralls; waterproof gloves; shoes plus socks	either	either
Alias™ 2F (<i>imidacloprid</i>) EPA Reg. No. 264-758-66222 MANA - Makhteshim Agan of North America, Inc.	Caution	12 hrs.	long-sleeved shirt and long pants; chemical-resistant gloves made of any waterproof material such as, barrier laminate, butyl rubber, nitrile rubber, natural rubber polyethylene, polyvinylchloride (PVC) or Viton; shoes plus socks	coveralls; chemical-resistant gloves made of any waterproof material such as, barrier laminate, butyl rubber, nitrile rubber, natural rubber polyethylene, polyvinylchloride (PVC) or Viton; shoes plus socks	either	either
Antak® (C10 fatty alcohol) EPA Reg. No. 19713-18 Drexel Chemical Co.	Warning	24 hrs.	coveralls over short-sleeved shirt and short pants; waterproof gloves; chemical-resistant footwear plus socks; protective eyewear; chemical-resistant headgear for overhead exposure; chemical-resistant apron when cleaning equipment, mixing or loading	coveralls over short-sleeved shirt and short pants; waterproof gloves; chemical-resistant footwear plus socks; protective eyewear; chemical-resistant headgear for overhead exposure	either	either
Assail 70WP (<i>Acetamiprid</i>) EPA Reg. No. 8033-23-4581 Cerexagri	Caution	12 hrs.	long-sleeved shirt and long pants; waterproof gloves; shoes plus socks	coveralls; waterproof gloves; shoes plus socks	either	either
Belay 16WSG (<i>Clothianidin</i>) EPA Reg. No. 66330-52 Arysta LifeScience	Caution	12 hrs.	long-sleeved shirt and long pants; waterproof gloves; shoes plus socks	coveralls; waterproof gloves; shoes plus socks	either	either
Biobit HP (<i>Bacillus thuringiensis</i> <i>subspecies kurstaki</i>) EPA Reg. No. 73049-54 Valent BioSciences Corporation	Caution	4 hrs.	long-sleeved shirt and long pants; waterproof gloves; shoes plus socks	coveralls; waterproof gloves; shoes plus socks	either	either

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Brom-O-Gas® (95% methyl bromide) EPA Reg. No. 5785-4, -42 Great Lakes Chemical Corporation	Danger	48 hrs. and gas concentra- tion less than 5 ppm	loose-fitting or well-ventilated long-sleeved shirt and long pants; shoes and socks; full-face shield or safety glasses with brow and temple shields	non-handlers prohibited	yes	yes
Butralin FC (butralin) EPA Reg. No. 33688-4-400 Crompton/Uniroyal	Danger	12 hrs.	long-sleeved shirts and long pants; chemical-resistant gloves; shoes and socks; and protective eyewear	coveralls; chemical-resistant gloves; shoes and socks; and protective eyewear	either	either
Check M15 (maleic hydrazide) EPA Reg. No. 19713-20-5549 Coastal Chemical	Caution	12 hrs.	long-sleeved shirt and long pants; waterproof gloves; shoes plus socks; protective eyewear	coveralls; waterproof gloves; shoes plus socks; protective eyewear	either	either
Chlor-O-Pic® (99% chloropicrin) EPA Reg. No. 5785-17 Great Lakes Chemical Corporation	Danger	48 hrs. and gas concen- tration less than 0.1 ppm	loose-fitting or well-ventilated long-sleeved shirt and long pants; shoes and socks; full-face shield or safety glasses with brow and temple shields. Do not wear goggles.	Non-handlers prohibited	yes	yes
Chloropicrin 100® (99% chloropicrin) EPA Reg.No. 8536- 02-8853 Hendrix & Dail	Danger	48 hrs. and gas concen- tration less than 0.1 ppm	loose-fitting or well-ventilated long-sleeved shirt and long pants; shoes and socks; full-face shield or safety glasses with brow and temple shields. Do not wear goggles.	Non-handlers prohibited	yes	yes
Chlorpyrifos® 4E AG (chlorpyrifos) EPA Reg. No. 19713-520 Drexel Chemical Co. EPA Reg. No. 66222-19 Makhteshim Agan of N.A. EPA Reg. No. 51036-291 Micro Flo Company LLC	Warning	24 hrs.	Coveralls over short -sleeved shirt and short pants; chemical-resistant gloves; chemical-resistant shoes plus socks; protective eyewear; chemical resistant headgear for overhead exposure; chemical-resistant apron when cleaning equipment and mixing and loading	coveralls; chemical-resistant gloves; shoes plus socks	either	NR

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Chlorpyrifos® 15 G (chlorpyrifos) EPA Reg. No. 19713-505 Drexel Chemical Co.	Caution	24 hrs.	long-sleeved shirt and long pants; shoes plus socks	coveralls; waterproof gloves; shoes plus socks	either	NR
Chlorpyrifos® 15 G AG (chlorpyrifos) EPA Reg. No. 51036-300 Micro Flo Company LLC	Caution	24 hrs.	long-sleeved shirt and long pants; shoes plus socks	coveralls; waterproof gloves; shoes plus socks	either	NR
Command® 3ME (clomazone) EPA Reg. No. 279-3158 FMC Corporation	Caution	12 hrs.	long-sleeved shirt and long pants; chemical-resistant gloves, such as barrier laminate or viton; shoes plus socks; and protective eyewear.	coveralls; chemical-resistant gloves, such as barrier laminate or viton; shoes plus socks; and protective eyewear.	either	either
Condor® (<i>Bacillus thuringiensis</i> subspecies <i>kurstaki</i> strain EG 2348) EPA Reg. No. 70051-78 Certis USA, LLC	Caution	4 hrs.	long-sleeved shirt and long pants; shoes plus socks	long-sleeved shirt and long pants; shoes plus socks	either	either
Couraze™ 2F (imidacloprid) EPA Reg. No. 264758-67760 Cheminova, Inc.	Caution	12 hrs.	long-sleeved shirt and long pants; chemical-resistant gloves made of any waterproof material such as, barrier laminate, butyl rubber, nitrile rubber, natural rubber polyethylene, polyvinylchloride (PVC) or Viton; shoes plus socks	coveralls; chemical-resistant gloves made of any waterproof material such as, barrier laminate, butyl rubber, nitrile rubber, neoprene rubber, natural rubber polyethylene, polyvinylchloride (PVC) or Viton; shoes plus socks	either	either
Crymax® (<i>Bacillus thuringiensis</i> subspecies <i>kurstaki</i> EG7841 Lepidopteran active toxin) EPA Reg. No. 70051-86 Certis USA, LLC	Caution	4 hrs.	long-sleeved shirt and long pants; shoes plus socks	coveralls; waterproof gloves; shoes plus socks	either	either

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Deliver (<i>Bacillus thuringiensis</i> subspecies <i>kurstaki</i>) EPA Reg. No. 70051-69 Certis USA, LLC	Caution	4 hrs.	long-sleeved shirt and long pants; waterproof gloves; shoes plus socks	coveralls; waterproof gloves; shoes plus socks	either	either
Denim 0.16 EC (emamectin benzoate) EPA Reg. No. 100-903 Syngenta Crop Protection	Danger	48 hrs	coveralls worn over long-sleeved shirt and long pants; chemical-resistant gloves, such as barrier laminate, butyl rubber ≥ 14 mil, nitrile rubber ≥ 14 mil, neoprene rubber ≥ 14 mil, polyvinyl chloride (PVC) ≥ 14 mil, or viton ≥ 14 mil; chemical-resistant footwear plus socks; protective eyewear; chemical-resistant apron when cleaning equipment, mixing or loading	coveralls worn over long-sleeved shirt and long pants; chemical-resistant gloves, such as barrier laminate, butyl rubber ≥ 14 mil, nitrile rubber ≥ 14 mil, neoprene rubber ≥ 14 mil, polyvinyl chloride (PVC) ≥ 14 mil, or viton ≥ 14 mil; chemical-resistant footwear plus socks; protective eyewear	either	either
Devrinol® 2-EC (napropamide) EPA Reg. No. 70506-64 United Phosphorus Inc.	Danger	12 hrs.	long-sleeved shirt and long pants; shoes plus socks	coveralls; waterproof gloves; shoes plus socks	either	either
Devrinol® 50-DF (napropamide) EPA Reg. No. 70506-36 United Phosphorus Inc.	Caution	12 hrs.	long-sleeved shirt and long pants; waterproof gloves, shoes plus socks	coveralls; waterproof gloves; shoes plus socks	either	either
DiPel DF (<i>Bacillus thuringiensis</i> var <i>kurstaki</i>) EPA Reg. No. 73049-39 Valent BioSciences Corporation	Caution	4 hrs.	long-sleeved shirt and long pants; waterproof gloves; shoes plus socks	coveralls; waterproof gloves; shoes plus socks	either	either
DiPel ES (<i>Bacillus thuringiensis</i> var <i>kurstaki</i>) EPA Reg. No. 73049-17 Valent BioSciences Corporation	Caution	4 hrs.	long-sleeved shirt and long pants; chemical- resistant gloves such as barrier laminate, nitrile rubber, neoprene rubber, or viton; shoes plus socks	coveralls; chemical-resistant gloves such as barrier laminate, nitrile rubber, neoprene rubber, or viton; shoes plus socks	either	either

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Di-Syston® 8 E (disulfoton) EPA Reg. No. 3125-307 Bayer CropScience	Danger Poison	48 hrs.	coveralls over long-sleeved shirt and long pants; chemical-resistant gloves; chemical-resistant footwear plus socks; protective eyewear; chemical-resistant headgear; chemical resistant apron; respirator	coveralls over long-sleeved shirt and long pants; waterproof gloves; chemical-resistant footwear plus socks; chemical-resistant headgear for overhead exposure	yes	yes
Di-Syston® 15 G (disulfoton) EPA Reg. No. 264-723 Bayer CropScience	Danger Poison	48 hrs.	coveralls over short-sleeved shirt and short pants; waterproof gloves; chemical-resistant footwear plus socks; chemical-resistant headgear; chemical-resistant apron; respirator	coveralls over short-sleeved shirt and short pants; waterproof gloves; chemical-resistant footwear plus socks; chemical-resistant headgear for overhead exposure	yes	yes
Dithane DF Rainshield (mancozeb) EPA Reg. No. 707-180 Rohm and Haas	Caution	24 hrs.	long-sleeved shirt and long pants; chemical-resistant gloves such as butyl rubber or nitrile rubber or neoprene rubber or viton; shoes plus socks; chemical-resistant apron when cleaning equipment, mixing or loading	coveralls over long-sleeved shirt and long pants; chemical-resistant gloves, such as butyl rubber or nitrile rubber or neoprene rubber or viton; shoes plus socks; protective eyewear	either	either
Fair Plus® (maleic hydrazide) EPA Reg. No. 51873-2 Fair Products, Inc.	Caution	12 hrs.	long-sleeved shirt and long pants; waterproof gloves; shoes plus socks; protective eyewear	coveralls; waterproof gloves; shoes plus socks; protective eyewear	either	either
Fair-30® (maleic hydrazide) EPA Reg. No. 51873-9 Fair Products, Inc.	Caution	12 hrs.	long-sleeved shirt and long pants; waterproof gloves; shoes plus socks; protective eyewear	coveralls; waterproof gloves; shoes plus socks; protective eyewear	either	either
Fair 80 SP® (maleic hydrazide) EPA Reg. No. 51873-17 Fair Products, Inc.	Caution	12 hrs.	long-sleeved shirt and long pants; waterproof gloves; shoes plus socks, protective eyewear	coveralls; waterproof gloves; shoes plus socks, protective eyewear	either	either
Fair 85® (C6, C8, C10, C12 fatty alcohols) EPA Reg. No. 51873-7 Fair Products, Inc.	Warning	24 hrs.	long-sleeved shirt and long pants; chemical-resistant gloves made of any waterproof material, such as nitrile, butyl, Neoprene, or barrier laminate or butyl rubber or nitrile rubber or neoprene; shoes plus socks	long-sleeved shirt and long pants; chemical-resistant gloves such as barrier laminate or butyl rubber or nitrile rubber or neoprene; shoes plus socks; protective eyewear	either	either

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Flupro (flumetralin) EPA Reg. No. 73631-2-400 Crompton/Uniroyal	Warning	24 hrs.	long-sleeved shirt and long pants; chemical-resistant gloves made of any waterproof material, such as nitrile, butyl, Neoprene, or barrier laminate; chemical-resistant footwear plus socks	coveralls over short-sleeved shirt and short pants; chemical-resistant gloves made of any waterproof material, such as nitrile, butyl, Neoprene, or barrier laminate; chemical-resistant footwear plus socks; protective eyewear	either	either
Forum™ (dimethomorph) EPA Reg. No. 241-427 BASF Corporation	Caution	12 hrs.	long-sleeved shirt and long pants; chemical resistant gloves made of any waterproof material, such as polyethelene or poly vinyl chloide; shoes plus socks	long-sleeved shirt and long pants; chemical resistant gloves made of any waterproof material, such as polyethelene or poly vinyl chloide; shoes plus socks	either	either
FST-7® (C10 fatty alcohol and maleic hydrazide) EPA Reg. No. 51873-6 Fair Products, Inc.	Danger	24 hrs.	long-sleeved shirt and long pants; chemical-resistant gloves such as barrier laminate or butyl rubber or nitrile rubber or neoprene or polyvinyl chloride or viton; shoes plus socks; protective eyewear	coveralls; chemical resistant gloves such as barrier laminate or butyl rubber or nitrile rubber or neoprene or polyvinyl chloride or viton; shoes plus socks; protective eyewear	either	either
Fulfill (pymetrozine) EPA Reg. No. 100-912 Syngenta	Caution	12 hrs.	long-sleeved shirt and long pants; waterproof gloves; shoes plus socks	long-sleeved shirt and long pants; waterproof gloves; shoes plus socks	either	either
Furadan® 4 F (carbofuran) EPA Reg. No. 279-2876 FMC Corporation	Poison	48 hrs.	long-sleeved shirt and long pants; chemical-resistant gloves such as barrier laminate or butyl rubber or nitrile rubber or neoprene or polyvinyl chloride or viton; shoes plus socks; protective eyewear when mixing or loading; respirator; when using closed systems, enclosed cabs, or aircraft in a manner that meets WPS requirements, the PPE requirements may be reduced or modified.	coveralls; chemical resistant gloves; shoes plus socks	yes	yes

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Golden Leaf® Tobacco Spray® (endosulfan) EPA Reg. No. 66222-63 Makhteshim-Agan of NA	Danger- Poison	24 hrs.	Coveralls over long-sleeved shirt and long pants; chemical-resistant gloves; chemical-resistant footwear plus socks; protective eyewear; chemical-resistant headgear; a respirator with either organic vapor -removing cartridge with prefilter approved for pesticides, or a canister approved for pesticides, or a NIOSH approved respirator with an organic vapor cartridge or canister with any N, R, P, or HE prefilter. Mixers and/or loaders must wear a chemical-resistant apron in addition to all the protective equipment specified for applicators	Coveralls over long-sleeved shirt and long pants; chemical-resistant gloves; chemical-resistant footwear plus socks; protective eyewear; chemical-resistant headgear	either	either
Imida E-Ag 2F (imidacloprid) EPA Reg. No. 81959-22 ETIGRA™ LLC	Caution	12 hrs.	long-sleeved shirt and long pants; chemical-resistant gloves made of any waterproof material such as, barrier laminate, butyl rubber, nitrile rubber, natural rubber polyethylene, polyvinylchloride (PVC) or Viton; shoes plus socks	coveralls; chemical-resistant gloves made of any waterproof material such as, barrier laminate, butyl rubber, nitrile rubber, natural rubber polyethylene, polyvinylchloride (PVC) or Viton; shoes plus socks; protective eyewear when working in a non-ventilated space	either	either
Javelin® WG (<i>Bacillus thuringiensis</i> , subspecies <i>kurstaki</i>) EPA Reg. No.70051-66 Certis USA, LLC	Caution	4 hrs.	long-sleeved shirt and long pants; waterproof gloves; shoes plus socks	coveralls; waterproof gloves; shoes plus socks	either	either
Kleen-Tac 85 (C8&C10 fatty alcohols) EPA Reg. No.5549-74 Coastal AgroBusiness	Warning	24 hrs.	long-sleeved shirt and long pants; chemical-resistant gloves such as barrier laminate or butyl rubber or nitrile rubber or neoprene or polyvinyl chloride or viton; shoes plus socks; protective eyewear	coveralls; chemical resistant gloves such as barrier laminate or butyl rubber or nitrile rubber or neoprene or polyvinyl chloride or viton; shoes plus socks; protective eyewear	either	either
Lannate® LV (methomyl) EPA Reg. No. 352-384 Du Pont	Danger Poison	48 hrs.	long-sleeved shirts and long-legged pants; chemical-resistant gloves; shoes plus socks; protective eyewear; exposure outdoors mist/dust filtering respirator (MSHA/NIOSH approval no. prefix TC-21C)	coveralls; chemical-resistant gloves; shoes plus socks; protective eyewear	either	either

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Lannate® SP (methomyl) EPA Reg. No. 352-342 Du Pont	Danger Poison	48 hrs.	long-sleeved shirts and long-legged pants; waterproof gloves; shoes plus socks; protective eyewear; exposure outdoors mist/dust filtering respirator (MSHA/NIOSH approval no. prefix TC-21C)	coveralls; waterproof gloves; shoes plus socks, protective eyewear	either	either
Lepinox WDG <i>(Bacillus thuringiensis</i> <i>var. kurstaki</i> EG7826 lepidopteran active toxin) EPA Reg. No. 70051-89 Certis USA LLC	Warning	12 hrs	long sleeved shirt and long pants; shoes plus socks; protective eyewear	coveralls; waterproof gloves; shoes plus socks; protective eyewear	either	either
Leven-38™ (C10 fatty alcohol and maleic hydrazide) EPA Reg. No. 19713-105 Drexel Chemical Co.	Danger	24 hrs.	coveralls over short-sleeved shirt and short pants; waterproof gloves; chemical-resistant footwear plus socks; protective eyewear; chemical-resistant headgear for overhead exposure; chemical-resistant apron when cleaning equipment, mixing or loading.	coveralls over short-sleeved shirt and short pants; chemical-resistant footwear plus socks; protective eyewear, chemical-resistant headgear for overhead exposure	either	either
Lorsban® 4E (chlorpyrifos) EPA Reg. No. 62719-220 Dow AgroSciences	Warning	24 hrs.	Long-sleeved shirt and long pants; chemical- resistant gloves; shoes plus socks	coveralls; chemical-resistant gloves; shoes plus socks	yes	NR
Lorsban® 15G (chlorpyrifos) EPA Reg. No. 62719-34 Dow AgroSciences	Caution	24 hrs.	long-sleeved shirt and long pants; shoes plus socks	coveralls; waterproof gloves; shoes plus socks	yes	NR
Lorsban® 75 WG (chlorpyrifos) EPA Reg. No. 62719-301 Dow AgroSciences	Warning	24 hrs.	Long-sleeved shirt and long pants; chemical- resistant gloves; shoes plus socks	coveralls; chemical-resistant gloves; shoes plus socks	yes	yes

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Mature XL® (ethephon) EPA Reg. No. 1812-361-51873 Fair Products, Inc.	Danger	48 hrs.	coveralls over short-sleeved shirts and short pants; waterproof gloves; shoes plus socks and protective eyewear.; chemical-resistant headgear for overhead exposure; chemical-resistant apron when cleaning equipment	coveralls; waterproof gloves; shoes plus socks; protective eyewear	yes	yes
Meth-O-Gas® (100% methyl bromide) EPA Reg. No. 5785-11, -41 Great Lakes Chemical Corporation	Danger	gas concentration less than 5 ppm	loose, long-sleeved shirts; long trousers and socks; full-face shield if SCBA not required	SCBA (self contained breathing apparatus)	NR	yes
Mocap® 10G (ethoprop) EPA Reg. No. 264-465 Bayer CropScience	Warning	48 hrs.	coveralls over short-sleeved shirt and short pants; waterproof gloves; chemical-resistant footwear plus socks; chemical-resistant headgear for overhead exposures; chemical-resistant apron when cleaning equipment, mixing and loading; dust/mist filtering respirator (MSHA/NIOSH approval number prefix TC-21C), or a NIOSH approved respirator with any N, R, P or HE filter	coveralls over short-sleeved shirt and short pants; waterproof gloves; chemical-resistant footwear plus socks; chemical-resistant headgear for overhead exposures	yes	yes
Mocap® 15G (ethoprop) EPA Reg. No. 264-457 Bayer CropScience	Danger	48 hrs.	coveralls over short-sleeved shirt and short pants; waterproof gloves; chemical-resistant footwear plus socks; chemical-resistant headgear for overhead exposures; chemical-resistant apron when cleaning equipment, mixing and loading; dust/mist filtering respirator (MSHA/NIOSH approval number prefix TC-21C), or a NIOSH approved respirator with any N, R, P or HE filter	coveralls over short-sleeved shirt and short pants; waterproof gloves; chemical-resistant footwear plus socks; chemical-resistant headgear for overhead exposures	yes	yes

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Mocap® EC (ethoprop) EPA Reg. No. 264-458 Bayer CropScience	Danger - Poison	48 hrs.	coveralls over long-sleeved shirt and long pants; chemical-resistant gloves such as barrier laminate, butyl rubber (≥14 mils), nitrile rubber (≥14 mils) or viton (≥14 mils), chemical-resistant footwear plus socks; protective eyewear; chemical-resistant headgear for overhead exposures, and chemical-resistant apron when cleaning equipment, mixing and loading, and a respirator with either an organic-vapor-removing cartridge with a prefilter approved for pesticides (MSHA/NIOSH approval number prefix TC-14G), or a NIOSH approved respirator with an organic vapor (OV) cartridge or canister with any N, R, P or HE prefilter.	coveralls over long-sleeved shirt and long pants, chemical-resistant gloves such as barrier laminate, butyl rubber (≥14 mils), nitrile rubber (≥14 mils) or viton (≥14 mils); chemical-resistant footwear plus socks; protective eyewear; chemical-resistant headgear for overhead exposures	yes	yes
M-Pede® (potassium salts of fatty acids) EPA Reg. No. 53219-6 Dow AgroSciences	Warning	12 hrs.	coveralls over short-sleeved shirt and short pants; chemical-resistant gloves such as butyl rubber, nitrile rubber, neoprene rubber or PVC, chemical-resistant footwear plus socks; protective eyewear; chemical-resistant headgear for overhead exposure; chemical-resistant apron when cleaning equipment, mixing or loading	coveralls; waterproof gloves; shoes plus socks	either	either
Nemacur 3 EC (fenamiphos) EPA Reg. No. 264-731 Bayer CropScience	Danger Poison	48 hrs.	chemical-resistant protective suit; chemical-resistant gloves, such as barrier laminate or viton, chemical-resistant footwear plus socks; protective eyewear; chemical-resistant headgear for overhead exposure; dust/mist filtering respirator (MSHA/NIOSH approval prefix TC-21C)	chemical-resistant protective suit; chemical-resistant gloves, such as barrier laminate or viton; chemical-resistant footwear plus socks; protective eyewear; chemical-resistant headgear for overhead exposure	yes	yes

Product Trade Name (common name) EPA Reg. No. Company Name	Signal Word	Restricted Entry Interval (REI) ¹	Personal Protective Equipment (PPE)		Worker Notification ²	
			Applicators and Other Handlers	To Enter Treated Area Within REI	Oral	Posted
Nuprid™ 2F (imidacloprid) EPA Reg. No. 228-484 Nufarm Americas Inc.	Caution	12 hrs.	long-sleeved shirt and long pants; chemical-resistant gloves made of any waterproof material such as, barrier laminate, butyl rubber, nitrile rubber, natural rubber polyethylene, polyvinylchloride (PVC) or Viton; shoes plus socks	coveralls; chemical-resistant gloves made of any waterproof material such as, barrier laminate, butyl rubber, nitrile rubber, neoprene rubber, natural rubber polyethylene, polyvinylchloride (PVC) or Viton; shoes plus socks	either	either
Off-Shoot T® (C6,C8,C10,C12 fatty alcohols) EPA Reg. No. 57582-3 Cochran Corporation	Warning	24 hrs.	long-sleeved shirt and long pants; waterproof gloves; shoes plus socks; protective eyewear	coveralls; waterproof gloves; shoes plus socks; protective eyewear	either	either
Orthene® 75 S (acephate) EPA Reg. No. 59639-26 Valent USA Corporation	Caution	24 hrs.	long-sleeved shirt and long pants; waterproof gloves; shoes plus socks; chemical-resistant headgear for overhead exposure	coveralls; waterproof gloves; shoes plus socks; chemical-resistant headgear for overhead exposure	either	either
Orthene 97 (acephate) EPA Reg. No. 59639-91 Valent USA Corporation	Caution	24 hrs.	long-sleeved shirt and long pants; waterproof gloves; shoes plus socks; chemical-resistant headgear for overhead exposure	coveralls; waterproof gloves; shoes plus socks; chemical-resistant headgear for overhead exposure	either	either
Pendimax® 3.3 (pendimethalin) EPA Reg. No. 68156-6-62 Dow AgroSciences LLC	Caution	24 hrs.	long-sleeved shirt and long pants; chemical-resistant gloves such as barrier laminate or viton; shoes plus socks	coveralls; chemical-resistant gloves such as barrier laminate or viton; shoes plus socks	either	either
Phaser®3EC (endosulfan) EPA Reg. No. 264-638 Bayer CropScience	Danger	24 hrs.	Coveralls over long-sleeved shirt and long pants; chemical-resistant gloves; chemical-resistant footwear plus socks; protective eyewear; chemical-resistant headgear; a respirator with either organic vapor -removing cartridge with prefilter approved for pesticides, or a canister approved for pesticides, or a NIOSH approved respirator with an organic vapor cartridge or canister with any N, R, P, or HE prefilter. Mixers and/or loaders must wear a chemical-resistant apron in addition to all the protective equipment specified for applicators	Coveralls over long-sleeved shirt and long pants; chemical-resistant gloves; chemical-resistant footwear plus socks; protective eyewear; chemical-resistant headgear	either	either

Product Trade Name (common name) EPA Reg. No. Company Name	Signal Word	Restricted Entry Interval (REI) ¹	Personal Protective Equipment (PPE)		Worker Notification ²	
			Applicators and Other Handlers	To Enter Treated Area Within REI	Oral	Posted
Platinum™ 2SC (Thiamethoxam) EPA Reg. No. 100-939 Syngenta Crop Protection	Caution	12 hrs.	long-sleeved shirt and long pants; waterproof gloves; shoes plus socks	coveralls; waterproof gloves; shoes plus socks	either	either
Poast® (sethoxydim) EPA Reg. No. 7969-58 BASF	Warning	12 hrs.	chemical-resistant gloves (see label); coveralls over short-sleeved shirt and short pants; chemical-resistant footwear plus socks; protective eyewear; chemical-resistant headgear for overhead exposure; other: chemical-resistant apron when cleaning equipment mixing and loading	chemical-resistant gloves (see label); coveralls over short-sleeved shirt and short pants; chemical-resistant footwear plus socks; protective eyewear; chemical-resistant headgear for overhead exposure; other: chemical-resistant apron when cleaning equipment mixing and loading	either	either
Prep® (ethephon) EPA Reg. No. 264-418 Bayer CropScience	Danger	48 hrs.	coveralls over short-sleeved shirt and short pants; waterproof gloves; protective eyewear; chemical-resistant footwear plus socks; chemical-resistant headgear for overhead exposures; chemical-resistant apron when cleaning equipment	coveralls over short-sleeved shirt and short pants; waterproof gloves; protective eyewear; chemical-resistant footwear plus socks; chemical-resistant headgear for overhead exposures	yes	yes
Prime + EC ® (flumetralin) EPA Reg. No. 100-640 Syngenta Crop Protection	Danger	24 hrs.	coveralls over short-sleeved shirt and short pants; chemical-resistant gloves such as barrier laminate or viton; chemical-resistant footwear plus socks; protective eyewear; chemical-resistant headgear for overhead exposure; chemical-resistant apron when cleaning equipment, mixing or loading.	coveralls over short-sleeved shirt and short pants; chemical-resistant gloves such as barrier laminate or viton; chemical-resistant footwear plus socks; protective eyewear; chemical-resistant headgear for overhead exposure	either	either
Provado®1,6 F (imidacloprid) EPA Reg. No. 264-763 Bayer CropScience	Caution	12 hrs.	long sleeved shirt and long pants; waterproof gloves; shoes plus socks	coveralls; waterproof gloves; shoes plus socks	either	either
Prowl® 3.3 (pendimethalin) EPA Reg. No. 241-337 BASF Corporation	Caution	24 hrs.	long-sleeved shirt and long pants; chemical-resistant gloves; shoes plus socks	coveralls; chemical-resistant gloves; shoes plus socks	either	either

Product Trade Name (common name) EPA Reg. No. Company Name	Signal Word	Restricted Entry Interval (REI) ¹	Personal Protective Equipment (PPE)		Worker Notification ²	
			Applicators and Other Handlers	To Enter Treated Area Within REI	Oral	Posted
Prowl® H₂O (pendimethalin) EPA Reg. No. 241-418 BASF Corporation	Caution	24 hrs.	long-sleeved shirt and long pants; chemical-resistant gloves; shoes plus socks	coveralls; chemical-resistant gloves; shoes plus socks	either	either
Quadris® (azoxystrobin) EPA Reg. No. 100-1098 Syngenta Crop Protection	Caution	4 hrs.	Long-sleeved shirt; long pants; chemical resistant gloves mad of any waterproof material such as polyvinyl chloride, nitrile rubber and butyl rubber; shoes plus socks.	coveralls; chemical resistant gloves mad of any waterproof material such as polyvinyl chloride, nitrile rubber and butyl rubber; shoes plus socks.	either	either
Ridomil Gold EC ® (mefenoxam) EPA Reg. No. 100-801 Syngenta Crop Protection	Caution	48 hrs.	Long-sleeved shirt; long pants; waterproof gloves; shoes plus socks; protective eyewear	coveralls; waterproof gloves; shoes plus socks; protective eyewear	either	either
Ridomil Gold™ WSP (mefenoxam) EPA Reg. No. 100-802 Syngenta Crop Protection	Caution	48 hrs.	long-sleeved shirt; long pants; waterproof gloves; shoes plus socks	coveralls; waterproof gloves; shoes plus socks	either	either
Royal MH-30® (maleic hydrazide) EPA Reg. No. 400-84 Crompton/Uniroyal	Caution	12 hrs.	long-sleeved shirt and long pants; waterproof gloves; shoes plus socks	coveralls; waterproof gloves; shoes plus socks	either	either
Royal MH-30® SG (maleic hydrazide) EPA Reg. No. 400-165 Crompton/Uniroyal	Caution	12 hrs.	long-sleeved shirt and long pants; waterproof gloves; shoes plus socks	coveralls; waterproof gloves; shoes plus socks	either	either
Royal MH-30® XTRA (maleic hydrazide) EPA Reg. No. 400-452 Crompton/Uniroyal	Caution	12 hrs.	long-sleeved shirt and long pants; waterproof gloves; shoes plus socks	coveralls; waterproof gloves; shoes plus socks	either	either
Royaltac® - M (C6,C8,C10,C12 fatty alcohols) EPA Reg. No. 400-451 Crompton/Uniroyal	Danger	24 hrs.	long-sleeved shirt and long pants; waterproof gloves; shoes plus socks; protective eyewear	coveralls; waterproof gloves; shoes plus socks; protective eyewear	either	either

Product Trade Name (common name) EPA Reg. No. Company Name	Signal Word	Restricted Entry Interval (REI) ¹	Personal Protective Equipment (PPE)		Worker Notification ²	
			Applicators and Other Handlers	To Enter Treated Area Within REI	Oral	Posted
Sevin® 4F (carbaryl) EPA Reg. No. 264-349 Bayer CropScience	Caution	12 hrs.	long-sleeved shirt and long pants; chemical-resistant gloves such as barrier laminate, butyl rubber, nitrile rubber, neoprene rubber, polyvinyl chloride (PVC), or viton; shoes plus socks and chemical-resistant headgear for overhead exposure	coveralls; chemical-resistant gloves such as barrier laminate, butyl rubber, nitrile rubber, neoprene rubber, polyvinyl chloride (PVC), or viton; shoes plus socks and chemical-resistant headgear for overhead exposure	either	either
Sevin® 80S (carbaryl) EPA Reg. No. 264-316 Bayer CropScience	Warning	12 hrs.	long-sleeved shirt and long pants; waterproof gloves; shoes plus socks and chemical-resistant headgear for overhead exposure	coveralls; waterproof gloves; shoes plus socks and chemical-resistant headgear for overhead exposure	either	either
Sevin® XLR Plus (carbaryl) EPA Reg. No. 264-333 Bayer CropScience	Caution	12 hrs.	long-sleeved shirt and long pants; chemical-resistant gloves such as barrier laminate, butyl rubber, nitrile rubber, neoprene rubber, polyvinyl chloride (PVC), or viton; shoes plus socks and chemical-resistant headgear for overhead exposure	coveralls; chemical-resistant gloves such as barrier laminate, butyl rubber, nitrile rubber, neoprene rubber, polyvinyl chloride (PVC), or viton; shoes plus socks and chemical-resistant headgear for overhead exposure	either	either
Spartan 4F (sulgentrazone) EPA Reg. No. 279-3220 FMC Corporation	Caution	12 hrs.	long-sleeved shirt and long pants; shoes plus socks; waterproof gloves	coveralls over long-sleeved shirt and long pants; waterproof gloves; shoes plus socks	either	either
Sucker Plucker® (C6, C8, C10, C12 fatty alcohols) EPA Reg. No. 19713-35 Drexel Chemical Co.	Warning	24 hrs.	coveralls over short-sleeved shirt and short pants; waterproof gloves; protective eyewear; chemical-resistant footwear plus socks; chemical-resistant headgear for overhead exposure; chemical-resistant apron when cleaning equipment, mixing or loading	coveralls over short-sleeved shirt and short pants; waterproof gloves; protective eyewear; chemical-resistant footwear plus socks; chemical-resistant headgear for overhead exposure	either	either
Sucker Stuff® (maleic hydrazide) EPA Reg. No. 19713-1 Drexel Chemical Corporation	Caution	12 hrs.	long-sleeved shirt and long pants; shoes plus socks; waterproof gloves	coveralls; waterproof gloves; shoes plus socks	either	either

Product Trade Name (common name) EPA Reg. No. Company Name	Signal Word	Restricted Entry Interval (REI) ¹	Personal Protective Equipment (PPE)		Worker Notification ₂	
			Applicators and Other Handlers	To Enter Treated Area Within REI	Oral	Posted
Sucker Stuff® 60 WS (maleic hydrazide) EPA Reg. No. 19713-371 Drexel Chemical Co.	Caution	12 hrs.	long-sleeved shirt and long pants; shoes plus socks	coveralls; waterproof gloves; shoes plus socks	either	either
Super Boll (ethephon) EPA Reg. No. 1812-361 Griffin LLC	Danger	48 hrs.	chemical-resistant gloves (see label); coveralls over short-sleeved shirt and short pants; chemical-resistant footwear plus socks; protective eyewear; chemical-resistant headgear for overhead exposure; other: chemical-resistant apron when cleaning equipment mixing and loading	chemical-resistant gloves (see label); coveralls over short-sleeved shirt and short pants; chemical-resistant footwear plus socks; protective eyewear; chemical-resistant headgear for overhead exposure; other: chemical-resistant apron when cleaning equipment mixing and loading	either	either
Super Sucker Stuff® (maleic hydrazide) EPA Reg. No. 19713-20 Drexel Chemical Co.	Caution	12 hrs.	long-sleeved shirt and long pants; shoes plus socks; waterproof gloves	coveralls; waterproof gloves; shoes plus socks	either	either

Product Trade Name (common name) EPA Reg. No. Company Name	Signal Word	Restricted Entry Interval (REI) ¹	Personal Protective Equipment (PPE)		Worker Notification ²	
			Applicators and Other Handlers	To Enter Treated Area Within REI	Oral	Posted
Telone® C-17 (1,3-dichloropropene + chloropicrin) EPA Reg. No. 62719-32 DowAgroSciences	Danger	5 days	<p>Handlers performing tasks with liquid contact potential must wear:</p> <p>Coveralls over short-sleeved shirt and short pants; Chemical-resistant gloves, such as barrier laminate (EVAL) or viton; Chemical-resistant footwear plus socks; Chemical-resistant headgear for overhead exposure Chemical-resistant apron; A face shield or safety glasses with brow and temple shields (do not wear chemical goggles)</p> <p>A half-face respirator with either an organic-vapor-removing cartridge with a prefilter approved for pesticides (MSHA/NIOSH approval number prefix TC-23C) or canister approved for pesticides (MSHA/NIOSH approval number prefix TC-14G). See further respirator requirements in the User Safety Requirements section on this label.</p> <p>Handlers performing tasks with no liquid contact potential must wear:</p> <p>Loose fitting or well ventilated long-sleeved shirt and long pants; Shoes and socks; A face shield or safety glasses with brow and temple shields (do not wear chemical goggles)</p> <p>A half-face respirator with either an organic-vapor-removing cartridge with a prefilter approved for pesticides (MSHA/NIOSH approval number prefix TC-23C) or canister approved for pesticides (MSHA/NIOSH approval number prefix TC-14G).</p>	<p>Loose fitting or well ventilated long-sleeved shirt and long pants; Shoes and socks; A face shield or safety glasses with brow and temple shields (do not wear chemical goggles); A half-face respirator with either an organic-vapor-removing cartridge with a prefilter approved for pesticides (MSHA/NIOSH approval number prefix TC-23C) or canister approved for pesticides (MSHA/NIOSH approval number prefix TC-14G).</p> <p>REFER TO THE LABEL FOR MORE SPECIFICS ON HANDLER PPE</p>	yes	yes

Product Trade Name (common name) EPA Reg. No. Company Name	Signal Word	Restricted Entry Interval (REI) ¹	Personal Protective Equipment (PPE)		Worker Notification ²	
			Applicators and Other Handlers	To Enter Treated Area Within REI	Oral	Posted
Telone® II (1,3-dichloropropene) EPA Reg. No. 62719-32 DowAgroSciences	Warning	5 days	<p>Handlers performing tasks with liquid contact potential must wear:</p> <p>Coveralls over short-sleeved shirt and short pants; Chemical-resistant gloves, such as barrier laminate (EVAL) or viton; Chemical-resistant footwear plus socks; Chemical-resistant headgear for overhead exposure Chemical-resistant apron; A face shield or safety glasses with brow and temple shields (do not wear chemical goggles)</p> <p>A half-face respirator with either an organic-vapor-removing cartridge with a prefilter approved for pesticides (MSHA/NIOSH approval number prefix TC-23C) or canister approved for pesticides (MSHA/NIOSH approval number prefix TC-14G). See further respirator requirements in the User Safety Requirements section on this label.</p> <p>Handlers performing tasks with no liquid contact potential must wear:</p> <p>Loose fitting or well ventilated long-sleeved shirt and long pants; Shoes and socks; A face shield or safety glasses with brow and temple shields (do not wear chemical goggles)</p> <p>A half-face respirator with either an organic-vapor-removing cartridge with a prefilter approved for pesticides (MSHA/NIOSH approval number prefix TC-23C) or canister approved for pesticides (MSHA/NIOSH approval number prefix TC-14G).</p>	<p>Loose fitting or well ventilated long-sleeved shirt and long pants; Shoes and socks; A face shield or safety glasses with brow and temple shields (do not wear chemical goggles); A half-face respirator with either an organic-vapor-removing cartridge with a prefilter approved for pesticides (MSHA/NIOSH approval number prefix TC-23C) or canister approved for pesticides (MSHA/NIOSH approval number prefix TC-14G).</p> <p>REFER TO THE LABEL FOR MORE SPECIFICS ON HANDLER PPE</p>	yes	yes
Temik 15 G (aldicab) EPA Reg. No. 264-330 Bayer CropScience <i>Labeled only in NC & VA</i>	Danger - Poison	48 hrs.	coveralls over short-sleeved shirt and short pants; waterproof gloves; protective eyewear; chemical-resistant footwear plus socks; chemical-resistant headgear for overhead exposure; chemical-resistant apron when cleaning equipment, mixing or loading	coveralls over short-sleeved shirt and short pants; waterproof gloves; protective eyewear; chemical-resistant footwear plus socks; chemical-resistant headgear for overhead exposure	yes	yes

Product Trade Name (common name) EPA Reg. No. Company Name	Signal Word	Restricted Entry Interval (REI) ¹	Personal Protective Equipment (PPE)		Worker Notification ²	
			Applicators and Other Handlers	To Enter Treated Area Within REI	Oral	Posted
Ten-Tac (C-10 fatty alcohols) EPA Reg. No. 5549-79 Coastal Chemical Co.	Warning	24 hrs.	coveralls over short-sleeved shirt and short pants; waterproof gloves; protective eyewear; chemical-resistant footwear plus socks; chemical-resistant headgear for overhead exposure; chemical-resistant apron when cleaning equipment, mixing or loading	coveralls over short-sleeved shirt and short pants; waterproof gloves; protective eyewear; chemical-resistant footwear plus socks; chemical-resistant headgear for overhead exposure	either	either
Terramaster 4 EC (etridiazole) EPA Reg. No. 400-422 Crompton/Uniroyal	Danger	12 hrs.	long-sleeved shirt and long pants; chemical resistant gloves such as barrier laminate or viton; shoes plus socks; NIOSH approved respirator with an organic-vapor removing cartridge withh a prefilter approved for pesticides (MSHA/NIOSH approval number prefix TC-23C), or a a canister approved for pesticides (MSHA/NIOSH approval number prefix TC-14G) or a NIOSH approved respirator with an OV cartridge or canister with an N2, R, P or HE prefilter, chemical-resistant apron when mixing, loading or cleaning equipment.	coveralls; waterproof gloves such as barrier laminate or viton or made out of any waterproof material; shoes and socks; protective eyewear	either	either
Terramaster® 35WP (etridiazole) EPA Reg. No. 400-416 24(c) Registrant: Crompton/Uniroyal	Warning	12 hrs	long-sleeved shirt and long pants; waterproof gloves; shoes plus socks; protective eyewear; dust/mist filtering respirator (MSHA/NIOSH approved number prefix TC-21C) or a NIOSH approved respirator with any N, R, P or HI filter	coveralls; waterproof gloves; shoes and socks; protective eyewear	either	either
Terr-O-Gas® (67% methyl bromide + chloropicrin) EPA Reg. No. 5785-24 Great Lakes Chemical Corporation	Danger	48 hrs. and gas concentration less than 5 ppm (methyl bromide) and 0.1 ppm chloropic-rin	loose-fitting or well-ventilated long-sleeved shirt and long pants; shoes and socks; full-face shield or safety glasses with brow and temple shields	non-handlers prohibited	yes	yes

Product Trade Name (common name) EPA Reg. No. Company Name	Signal Word	Restricted Entry Interval (REI) ¹	Personal Protective Equipment (PPE)		Worker Notification ₂	
			Applicators and Other Handlers	To Enter Treated Area Within REI	Oral	Posted
Thiodan® 3EC (endosulfan) EPA Reg. No. 1386-338-72693 Universal Crop Protection Alliance LLC	Warning	48 hrs.	Coveralls over long-sleeved shirt and long pants; chemical-resistant gloves; chemical-resistant footwear plus socks; protective eyewear; chemical-resistant headgear; a respirator with either organic vapor -removing cartridge with prefilter approved for pesticides, or a canister approved for pesticides, or a NIOSH approved respirator with an organic vapor cartridge or canister with any N, R, P, or HE prefilter. Mixers and/or loaders must wear a chemical-resistant apron in addition to all the protective equipment specified for applicators	Coveralls over long-sleeved shirt and long pants; chemical-resistant gloves; chemical-resistant footwear plus socks; protective eyewear; chemical-resistant headgear	either	either
Tillam® 6E (pebulate) EPA Reg. No. 10182-158 Monterey Chemical Company	Caution	12 hrs.	long-sleeved shirt and long pants; chemical-resistant gloves, such as barrier laminate or nitrile rubber or neoprene rubber or viton; shoes plus socks; protective eyewear	coveralls; chemical-resistant gloves, such as barrier laminate or nitrile rubber or neoprene rubber or viton; shoes plus socks; protective eyewear	either	either
Tracer™ (Spinosad) EPA Reg. No. 62719-267 Dow AgroSciences	Caution	4 hrs.	long-sleeved shirt and long pants; shoes plus socks; waterproof gloves	coveralls; waterproof gloves, shoes plus socks	either	either
Ultra Flourish™ (mefenoxam) EPA Reg. No. 55146-73 Nufarm America's Inc.	Warning	48 hrs.	long-sleeved shirt and long pants; chemical-resistant gloves, such as barrier laminate or viton; shoes plus socks; protective eyewear	coveralls; chemical-resistant gloves, such as barrier laminate or viton; shoes plus socks; protective eyewear	either	either

Product Trade Name (common name) EPA Reg. No. Company Name	Signal Word	Restricted Entry Interval (REI) ¹	Personal Protective Equipment (PPE)		Worker Notification ²	
			Applicators and Other Handlers	To Enter Treated Area Within REI	Oral	Posted
Vapam® HL (metam sodium) EPA Reg. No. 5481-468 Amvac Chemical Corp.	Danger	48 hrs.	coveralls over long-sleeved shirt and long pants; waterproof gloves; chemical-resistant footwear plus socks; chemical-resistant headgear for overhead exposure; chemical-resistant apron when cleaning equipment, or when mixing, loading, or transferring without dry-disconnect fittings; face-sealing goggles, unless full-face respirator is worn; a respirator with either an organic-vapor-removing cartridge with a prefilter approved for pesticides (MSHA/NIOSH approval prefix TC-23C) or canister approved for pesticides (MSHA/NIOSH approval number prefix TC-14G).	While entry is restricted only the following handling tasks may be performed in a treated area: assessing/adjusting the soil seal; assessing pest control, application technique, or application efficacy; sampling air or soil for this period. All other tasks are prohibited until the entry restriction is over. Handlers performing the above tasks must wear: coveralls over long-sleeved shirt and long pants; waterproof gloves; chemical-resistant footwear plus socks. If pungent, rotten-egg odor of this product is detected, handlers must also wear: face-sealing goggles, unless full-face respirator is worn; a respirator with either an organic-vapor-removing cartridge with a prefilter approved for pesticides (MSHA/NIOSH approval prefix TC-23C) or canister approved for pesticides (MSHA/NIOSH approval prefix TC-14G).	yes	yes
Vydate® L (oxamyl) EPA Reg. No. 352-372 Du Pont	Danger - Poison	48 hrs.	coveralls over short-sleeved shirt and short pants; chemical-resistant gloves, such as barrier laminate or butyl rubber or neoprene rubber or polyvinyl chloride (PVC) or viton or nitrile rubber; chemical-resistant footwear plus socks; protective eyewear; chemical-resistant headgear for overhead exposure; chemical-resistant apron when cleaning equipment, mixing, or loading; respirator with either an organic-vapor-removing cartridge with a prefilter approved for pesticides (MSHA/NIOSH approval number prefix TC-23C) or canister approved for pesticides (MSHA/NIOSH approval number prefix TC-14G).	coveralls over short-sleeved shirt and short pants; chemical-resistant gloves, such as barrier laminate or butyl rubber or neoprene rubber or polyvinyl chloride (PVC) or viton or nitrile rubber; chemical-resistant footwear plus socks; protective eyewear; chemical-resistant headgear for overhead exposure;	either	either

Product Trade Name (common name) EPA Reg. No. Company Name	Signal Word	Restricted Entry Interval (REI) ¹	Personal Protective Equipment (PPE)		Worker Notification ²	
			Applicators and Other Handlers	To Enter Treated Area Within REI	Oral	Posted
Warrior® Insecticide with Zeon™ Technology (lambda-cyhalothrin) EPA Reg. No. 100-1112 Syngenta Crop Protection	Warning	24 hrs.	long-sleeved shirt and long pants; chemical-resistant gloves, such as barrier laminate or butyl rubber, nitrile rubber or viton ≥ 14 mils; shoes plus socks; protective eyewear	coveralls; chemical-resistant gloves, such as barrier laminate or butyl rubber, nitrile rubber or viton ≥ 14 mils; shoes plus socks	either	either
XenTari® (<i>Bacillus thuringiensis aizawai strain</i>) EPA Reg. No. 275-85 Valent Biosciences Corporation	Caution	4 hrs.	long-sleeved shirt and long pants; waterproof gloves; shoes plus socks and dust/mist filtering respirator NIOSH standards of at least N-95, R-95 or P-95	coveralls; water proof gloves; shoes plus socks	either	either

¹Exception: If the product is soil-injected or soil-incorporated, the Worker Protection Standard, under certain circumstances, allows workers to enter the treated area if there will be no contact with anything that has been treated.

² Unless the pesticide labeling requires both types of notification, notify workers EITHER orally OR by posting warning signs at entrances to treated areas (both columns in the table with “EITHER”). You must inform workers which method of notification is being used. Some pesticide labels require you to notify workers BOTH orally AND with signs posted at entrances to the treated area. If both types of notification are required (“YES” in both columns of table), the following statement will be in the “Directions for Use” section of the pesticide labeling under the heading Agricultural Use Requirements: “Notify workers of the application by warning them orally and by posting warning signs at entrances to treated areas.