



Pesticide Illness Surveillance  
All Event Summaries (2011)

Event	Event Narrative	#	Active Ingredient(s)
110007	A 4-year-old toddler got sprayed in the face with a pesticide by another child while playing outside. He experienced ocular, upper respiratory, and dermal symptoms. These symptoms lasted over a week. He received follow-up care from a dermatologist.	1	Deet
110012	A couple and their male children ages 5 and 10 developed respiratory and neurological symptoms after crack and crevice applications by a pest control company were conducted inside the apartment. The tenants re-entered their home approximately 8 and 10 hours after applications. They could still smell the pesticide inside the apartment. One of the boys had asthma and experienced exacerbated symptoms after re-entry. He was treated at a health care facility. This case was referred to Washington Department of Agriculture (WSDA) for compliance evaluation of the pesticide applications. WSDA collected physical evidence in the form of residue samples. The samples were positive for pesticide residues inside the apartment. Their investigation concluded that the pesticide applicators followed all pesticide label directions.	4	Deltamethrin Permethrin, mixed cis,tra (7S)-Hydroprene
110013	An air-blast ground sprayer was being calibrated in an orchard. It was tested using water. Two male farm workers ages 19 and 43 were being transported on the back of a pickup truck. As they passed approximately 6 meters from the ground sprayer, they reported feeling spray on their faces and detected a chemical odor. They were told that it was water only. They developed gastrointestinal and neurological symptoms following this exposure. They sought medical attention two days later. Samples of clothing tested by a WSDA laboratory were positive for four active ingredients. DOH referred the incident to the Department of Labor and Industries for compliance inspection. Workers were not asked to decontaminate after the incident.	2	Carbaryl Endosulfan Cypermethrin Myclobutanil

110014	A 7-week-old male infant became ill about four hours after his mother applied a topical permethrin cream to his face and head that had been prescribed by her physician for scabies. The infant experienced various neurological and respiratory symptoms that lasted for about a day. He was seen at two medical facilities. Symptoms had mostly resolved when the patient's mother was re-interviewed 12 days after the incident.	1	Permethrin, mixed cis,tra
110019	A 50-year-old airport maintenance & groundskeeper reports that a hose that connects to a pressure tank burst, spraying pesticide on him. He experienced neurological and dermal symptoms within 30 minutes of exposure and washed later at his home. He sought medical care the next day and was diagnosed with contact dermatitis. The physician also documented tachycardia.	1	Bromacil Diuron Glyphosate- isopropylammon
110025	A 39-year-old male pest control operator was outdoors applying a methyl carbamate insecticide dust into an external wall for carpenter ants when the wind blew some of the product back into his face. He was not wearing respiratory protection at the time. He experienced respiratory, neurological, and cardiovascular symptoms and sought medical attention the same day.	1	Deltamethrin Bendiocarb
110030	The family of a 36-year-old male reported that he applied an insecticide without wearing gloves and exposed his skin. He experienced dermal symptoms and increased sweating.	1	Azadirachtin
110031	A 67-year-old man reported concern about unsafe storage and excessive use of an herbicide at an RV Park. He describes historical practices and states that he experienced respiratory, dermal, and ocular symptoms after applications that happened in April. His symptoms lasted four or more days and he sought medical care. DOH reported this incident to the State Departments of Ecology and Agriculture. Investigation by WSDA confirmed that the herbicide was sold illegally to residents of the RV Park, who used the product independently around their properties. A subsequent application of the herbicide to common areas of the RV park in May by a broadcast ground sprayer lead to additional illness complaints. (See DOH #110052.)	1	Sodium metaborate (NaBO <sub>2</sub> ) Sodium chlorate
110033	A 27-year-old male groundskeeper at an apartment complex developed dermal irritation when the product leaked from the backpack sprayer as he loaded it for application. It went through his jacket and two shirts to his skin. He sought medical attention.	1	Sodium hypochlorite Trisodium phosphate
110034	A 56-year-old male applicator developed gastrointestinal, neurological, and dermal symptoms while applying a tank mix of pesticides by a ground airblast sprayer. He was wearing a respirator. However, he had never been fit tested for respirator use. He did not know the appropriate change schedule for respirator filters. He saw mist of the pesticide hitting his goggles while spraying. He was treated at a hospital emergency room two hours after he used the pesticides.	1	Basic cupric sulfate Chlorpyrifos Mineral oil - includes pa Aliphatic petroleum solve Sulfur
110036	A 40-year-old female developed gastrointestinal symptoms as she set off nine foggers in her townhome. She could not read the label and placed two foggers each in all three bedrooms and three foggers in the living room. She sought assistance from the apartment manager who contacted Washington Poison Center	1	N-Octyl bicycloheptene di Piperonyl butoxide Pyrethrins

	(WAPC). She and her family were housed in a separate townhome that evening while the treated home was ventilated.		Esfenvalerate Pyriproxyfen
110037	A 33-year-old male vineyard worker felt spray on his face and eyes while he was driving an air-blast ground sprayer across a grape field. He sought medical attention for ocular and dermal irritation.	1	Calcium polysulfide
110038	A 52-year-old female was driving through an orchard to visit a friend and was exposed to pesticide from a ground air blast spray application. She developed gastrointestinal, neurological, and respiratory symptoms. She sought medical attention 12 hours later.	1	Mineral oil - includes pa Calcium polysulfide
110039	A 65-year-old male was accidentally sprayed in the face while driving towards a vehicle that had been applying a Roundup product for weed control. The patient experienced dermal, ocular, and other symptoms, and sought medical attention.	1	Glyphosate- isopropylammon
110040	A 24-year-old male pesticide applicator developed ocular symptoms. He was spraying paraquat in an apple orchard to control weeds. He was using a low boom sprayer with four nozzles in front of the tractor. He felt the spray on his face and washed after he finished spraying. He developed symptoms three hours later at his home. He sought medical attention seven days later.	1	Paraquat
110041	A 60-year-old medical assistant working in a clinic developed respiratory symptoms after spraying an insecticide. She sought medical attention three day later. She was seen for follow-up seven days later and still had some hoarseness. She did not miss work.	1	Piperonyl butoxide Tetramethrin Permethrin, mixed cis,tra
110042	A 43-year-old male ex-licensed pesticide applicator arrived at a friend's home next to an irrigation canal. He smelled herbicide from a low boom application conducted next to the canal. He confronted the applicators because of what he considered windy conditions during the application. He developed mild neurological and gastrointestinal symptoms. Weather stations in the area showed average wind speeds of 5.7 to 11.4 mph.	1	Dimethylamine 2,4-dichlor Glyphosate- isopropylammon
110044	A 51-year-old laborer for a temporary employment agency was cleaning mold when he brushed the joist above his head in a crawl space with a disinfectant solution. He had no respiratory protection when he began cleaning but the employer provided it upon his request mid-way through the job. He developed respiratory irritation by the end of the day and sought medical care when it worsened.	1	Sodium hypochlorite
110045	A 59-year-old female wore nitrile gloves as she dipped a rag in diluted moss cleaning concentrate to remove moss from home siding. She worked quickly and only had a 20 foot long area to clean. She felt her fingers getting wet but continued several more dips to complete the task. Her skin stung and she rinsed under cold water. Ulcers and intense swelling of her fingers and hand developed. She went to a hospital	1	Sodium hypochlorite Trisodium phosphate

	emergency room for medical care.		
110046	A 32-year-old male got pyrethrin insecticide on his forearms while spraying the outside perimeter of his house for beetles. Symptoms developed within three hours and included diarrhea, numbness and tingling of his extremities, lightheadedness, nausea, and a productive cough. He received medical care within hours of the incident. Although the patient's condition upon discharge was good, he stated his respiratory symptoms lasted several more weeks after the incident.	1	gamma-cyhalothrin
110047	A 64-year-old male farmer was exposed to pesticide that drifted from an adjacent potato field chemigation circle while he was spraying herbicides to his own apple orchard. The potato circle is 35 feet away from the orchard. His right arm was hit with the irrigation mix of three herbicides as he tried to cover his face from the mix. He did not decontaminate after the exposure, nor did he notice he had a rash until four hours later. He did not seek medical attention and did not miss any days from work. WSDA conducted a compliance investigation and concluded the applications to the potato field were inconsistent to the label precautions. The pesticide records were missing several elements for both for the potato field application and the orchard application.	1	Metribuzin Pendimethalin Flumioxazin
110049	A 35-year-old pesticide applicator was spraying his cherry orchards when he got herbicide in his eye when a gust of wind blew it his way.. He wore safety glasses and felt mist on face.	1	Glyphosate- isopropylammon
110051	A 36-year-old farmworker got splashed with a pesticide insecticide he sprayed to organic apples. He developed dermal health effects and sought medical attention. He wore all required PPE, but some still got on his neck when a gust of wind blew.	1	Calcium polysulfide
110052	Five people reported experiencing respiratory, ocular, and other symptoms after an application of Monobor-Chlorate at an RV Park. This herbicide had been used periodically for weed control at the RV Park for several years. One of them initially reported symptoms after an application that occurred in April (DOH #110031) and described storage and use problems at that time. DOH reported concerns to WSDA and Ecology. This second reported application (DOH #110052) happened in May. DOH notified WSDA of the May application and associated health concerns, and contacted the WSU County Agricultural Extension Agent to see about provision of Integrated Pest Management (IPM) training to control weeds for residents and managers at the RV Park.	4	Sodium metaborate (NaBO <sub>2</sub> ) Sodium chlorate
110054	A 41-year-old male licensed spray applicator developed dermal symptoms after spraying two fungicides. He did not notice if or where he was exposed while spraying the fungicides. He reported not having a history of dermal related illness. He had been spraying for four years. He believed his symptoms were due to spraying the chemicals. He sought medical attention three days later. He was not wearing waterproof gloves and coveralls as required in both labels.	1	Carbonic acid, monopotass Sulfur

110056	An aerial applicator sprayed a wheat field next to fruit tree nursery fields. He was spraying a tank mix of an insecticide with a fungicide. Twenty female laborers ages 23 to 44 were pruning cherry trees at the time or worked in the area within hours of the application. Most of the workers felt or smelled the spray; some reported feeling a mist or breeze from the application. Two workers sought medical attention the same day. The rest of the workers did not seek medical treatment. Sixteen of the 20 workers reported two or more health effects. The most commonly reported health effects were respiratory, gastrointestinal, and neurological. WSDA collected foliage samples in different areas of the field where workers were located at the time of the incident. These samples were positive for residues of the active ingredient of the insecticide applied. A clothing sample tested negative for the pesticides applied.	16	Propiconazole lambda-Cyhalothrin
110057	A 64-year-old and a 61-year-old female were riding their motorcycle and became ill about four hours after a licensed aerial applicator applied a fungicide to a field. The spray drifted onto and exposed the two riders. The riders reported seeing the plane and the spray coming from the plane. Both riders were wearing riding leathers, gloves, and headgear, so the exposures were most likely only from inhalation of the product. The riders experienced similar symptoms that included gastrointestinal and neurological effects. Samples taken from the motorcycle by WSDA confirmed presence of the fungicide.	2	Propiconazole Azoxystrobin
110059	A 63-year-old male was driving a vehicle for his job when he swerved to miss the spray from an airplane spraying a wheat field west of the road in front of him. His windows were down at the time and the herbicide drifted in his vehicle. He noted a strong unpleasant odor and felt mist on his skin and eye. He developed respiratory and dermal health effects and sought medical attention. He attempted to identify products sprayed by inquiring at a hangar nearby, where he was told it was probably a fungicide. WSDA investigation revealed that herbicides were applied and samples collected from the right of way and road reflectors were positive for residue. WSDA issued an advisory letter to the pilot.	1	Pyrasulfotole Technical MCPA, 2-ethylhexyl ester Bromoxynil octanoate Bromoxynil heptanoate
110064	A 23-year-old male aerial applicator clipped a power line and his plane landed abruptly causing it to spill fuel and herbicide in the area. In the process of checking the plane after the crash, he got some herbicide mixed with gasoline on his left foot. He did not wash it until he sought medical attention two hours later. He was examined for minor physical injuries due to the crash and one chemical dermal injury probably caused by his contact with the spill. He was discharged the same evening. He believed his symptoms were not due to the herbicide, but to the fuel spilled after the landing. He indicated only having 2 to 4 gallons of the herbicide in the spray tank. WSDA was informed of the incident.	1	Propiconazole
110065	A 57-year-old male developed dermal swelling after spraying herbicides with a backpack sprayer wearing no PPE on a hot day. He touched various parts of his body before showering and those areas swelled over the next several days. He sought medical attention at the emergency room.	1	Acetic acid, (2,4-dichlor Glyphosate- isopropylammon
110066	A 63-year-old female, 67-year-old male, and 42-year-old caretaker developed respiratory irritation and	1	lambda-Cyhalothrin

	illness when a PCO sprayed insecticide around the next door neighbor's home, less than 15 feet away from the balcony on which they stood. The 63-year-old female is registered with WSDA as pesticide sensitive and sought medical attention. Certified applicators are required to notify registered sensitive individuals of landscape or right-of-way applications made to an adjoining property. The perimeter application made around the neighbor's home is exempt from notification requirements. WSDA investigated and samples collected from the balcony were negative.		
110068	Five male junior high school students ages 12-14 were assigned by their science teacher to clean out a greenhouse scheduled for demolition. For the last several years, the greenhouse was used solely for storage. While cleaning, a container of slug-cide broke and splashed on one of the student's jeans and shoes. The students were in the greenhouse for approximately five minutes after the container broke. The science teacher hosed off the jeans and shoes and sent the boys to the school nurse. They reported headache, gastrointestinal, and upper respiratory health effects. The students remained at school that day but two boys stayed home the following day. One of the student's relatives called WAPC, but they did not return DOH messages.. The students were interviewed by the school nurse. WSDA investigated and the school was issued a notice of correction for several improper storage infractions. WSDA personnel oversaw proper cleanup and disposal of the eight slug-cide products in the greenhouse.	5	Metaldehyde
110070	A 27-year-old male licensed spray applicator was checking a low-boom spray nozzle when the hose feeding the nozzle separated hitting his face and hair with the tank mix. He was wearing a half-face mask and safety glasses, so his eyes and mouth were not hit with the mixture. However, when he washed his face and hair five minutes later he got some of the spray in his nose. He developed nasal symptoms by the time he got home one hour later. He sought medical attention one day later.	1	Bifenazate Bifenthrin
110071	A 17-month-old male in good health suddenly stopped breathing after he'd eaten cherries that he and his father had picked 20 minutes before in an orchard recently sprayed with insecticide. Before going to pick cherries, his parents applied mosquito repellent with high concentration active ingredient to his clothing. He accompanied his father on an all-terrain vehicle through some cherry orchards sprayed earlier that morning. The boy ate several cherries from other trees, which were sprayed two days earlier. He was taken to the nearest hospital where severe neurological and respiratory symptoms were observed. He was transferred to another hospital for intensive pediatric care. While at the 2 <sup>nd</sup> hospital, his symptoms reversed promptly and he was discharged the following day and had no further symptoms. Samples taken from clothing were positive for mosquito repellent and insecticide.	1	Carbaryl Deet lambda-Cyhalothrin Trifloxystrobin
110072	A 21-year-old was thinning apple trees adjacent to a neighboring farm while an airblast spray application was occurring. He smelled spray and felt in on his face. He developed ocular symptoms and sought medical attention six days later. The management of the farm did not have contact information for the neighboring	1	Sulfur

	farm and the employee did not want DOH to refer the incident to a compliance agency.		
110074	A 49-year-old male farm worker developed ocular symptoms after a drop of undiluted herbicide hit his right eye while he was pouring it into a tank. He washed his eye after he was exposed and sought medical attention the same day. He was not wearing eye protection. However, the label did not require the use of eye protection.	1	Glyphosate
110075	A 33-year-old applicator at a wholesale nursery developed symptoms after inhaling some pesticides he sprayed on plants. He went to a hospital emergency department for medical care.	1	1,2,4-Triazin-3(2H)-one, Thiophanate-methyl Etoxazole Abamectin
110077	A doctor reported through Washington Poison Center (WAPC) that a 16-year-old patient got Green Thumb insect killer (cyfluthrin) in her eye. She developed corneal abrasion of her right eye. She was treated and released from a hospital emergency department.	1	Cyfluthrin
110078	A 43-year-old female developed gastrointestinal health effects and chest pain when she entered her house three hours after fogging in order to ventilate. She immediately sought medical care at a hospital..	1	N-Octyl bicycloheptene di Piperonyl butoxide Pyrethrins Tetramethrin Esfenvalerate Ethofenprox Pyriproxyfen
110081	While at work at an auto repair shop, a 37-year-old male auto mechanic applied a mosquito repellent containing 40% DEET to his hands, neck, arms, and face. Sweat caused some of the product to get into his eyes and mouth. The man experienced gastrointestinal and neurological symptoms about two and a half hours after the application, but did not seek medical attention. He showered himself off when symptoms developed and, when interviewed a day later, stated he felt better.	1	Deet
110082	A 52-year-old male was riding his bike along a public recreational lake trail when he was suddenly sprayed with herbicide. He stopped and looked up 10-15 feet to see a truck with 8 feet extension sprayers near the railroad. He had gastrointestinal and eye symptoms. The cyclist sought care that day at a hospital emergency room.	1	Dicamba, dimethylamine sa Metsulfuron-methyl Fluroxypyr 1-methylheptyl
110085	A 47-year-old female property manager for a storage rental business sprayed grass growing pesticide through the concrete. It was a calm day and she wore no eye protection, but it got in her eye when the wind picked up. She went to an urgent care clinic.	1	Glyphosate

110086	A 21-year-old housekeeper developed dermal irritation after she stripped bedding, including treated bed skirts, from 16 hotel rooms that were treated by a PCO for an unknown pest. She did not have any bites on her body but sought medical attention.	1	Bifenthrin
110087	A 38-year-old male spray applicator developed some dermal and respiratory symptoms after he was mixing glyphosate, oil, and paraquat with a spreader to control weeds in a grapevine. He smelled the vapors while mixing the herbicides even when he was wearing a respirator. He was possibly wearing chemical resistant pants, which, he indicated, possibly placing under the rubber boots. He developed the dermatitis in the talus areas of the feet, coinciding with such an exposure. He was wearing a removing vapor respirator and a dust filter and said that he smelled the chemicals while mixing them. He sought medical attention four days later.	1	Paraquat dichloride Mineral oil - includes pa Aliphatic petroleum solve Glyphosate- isopropylammon
110088	A 47-year-old pesticide applicator developed respiratory and eye irritation after spraying an apple orchard. He was exposed repeatedly as he turned at the end of rows. The goggles provided by his employer didn't protect his eyes and he wore a half facial mask with filters. He sought medical attention at the hospital.	1	Carbaryl Myclobutanil
110091	A 50-year-old female licensed pest control operator became ill shortly after treating a residence for spiders with two different insecticide products. She was exposed when the product blew back into her face during application. She experienced gastrointestinal and neurological symptoms shortly after the exposures, which were dermal and respiratory. She sought medical attention the same day. Symptoms lasted 2-3 days.	1	Chlorpyrifos Piperonyl butoxide Pyrethrins Silica gel
110092	A 47-year-old male was driving a 4-wheeler when some herbicide got into his right eye. He was driving while the applicator was applying on the back of the vehicle. He washed his right eye immediately. He developed pain and irritation in that eye. He sought medical care eight after the exposure.	1	Glyphosate
110094	A 43-year-old female maintenance worker sprayed bleach and water solution and another product to areas of a building with mold. The following day she developed respiratory symptoms that persisted. She sought medical attention.	1	Sodium hypochlorite
110095	A 24-year-old female apple thinner was taking a break at the edge of a block when she saw a plane flying low for a number of passes. She could smell an odor and half-hour later she developed neurological and respiratory symptoms. The airplane was spraying a fungicide and surfactant on a sunflower field. She sought medical treatment two hours later and was discharged the same day. Her employer provided spray records and indicted the area of application was from 650 to 750 feet away from the sunflower field.	1	Pyraclostrobin
110097	A 67-year-old woman reported that she sprayed a combination of Roundup Concentrate and a product called "sure kill weed spray" for three consecutive days in her yard. She began experiencing intermittent chest pain and nausea on the first day. On the third day she reports chest pain, gastrointestinal, and	1	Glyphosate- isopropylammon

	respiratory symptoms. She sought health care at the ER of a local hospital. Her heart function was monitored and several tests conducted. No problem was identified. Her condition improved after some hours and she was released.		
110101	A 34-year-old female veterinary technician developed gastrointestinal health effects upon inhaling fumes from vomitus of an ill dog in her care. The symptoms lasted approximately 20 minutes and the technician did not seek medical attention. The dog's owners brought in a package of pellets used for killing moles. They recalled applying some in the yard approximately two weeks earlier. The veterinary hospital froze the dog's vomitus and it was tested for zinc phosphide residue. Lab results were consistent with the dog's ingestion of zinc phosphide.	1	Zinc phosphide (Zn <sub>3</sub> P <sub>2</sub> )
110102	A 9-month-old male infant became ill at his residence after possibly being exposed to pyrethroid insecticide granules that were in close proximity to the child at the time. The grandmother reportedly witnessed the infant ingesting some of the granules. The infant developed cardiovascular, neurological, ocular, and respiratory health symptoms that occurred over a 2-3 day period beginning shortly after the incident.	1	Bifenthrin
110103	A 48-year-old male accidentally swallowed mosquito repellent when it got into his mouth as he sprayed his hair. He had gastrointestinal and neurological symptoms. Staff was unable to locate him for a follow-up interview.	1	Deet
110106	A 53-year-old male with a pre-existing eye condition was drifted with an insecticide used to control mosquitoes around working areas in a farm. The worker was inside a gondola picking corn when an air-blast ground sprayer drifted him. He felt the spray on his face and shirt. He was drifted a second time as the applicator made a second pass. He washed his face and arms five minutes later. He developed neurological symptoms 10 minutes after he was exposed. He sought medical attention three days later as his eye irritation worsen. He was not told about the application. The case was referred to the Department of labor and Industries industrial hygiene compliance staff who obtained the name of the insecticide.	1	Malathion
110107	A 39-year-old male pesticide applicator developed respiratory, neurological, and gastrointestinal symptoms while he was spraying an organophosphate insecticide. He was wearing a respirator and still could smell the spray. He had a beard and had not been medically evaluated to wear a respirator. He indicated it never had been fit tested. He sought medical attention the same day.	1	Azinphos-Methyl Pyraclostrobin boscalid
110111	A 35-year-old female was 30 weeks pregnant when she developed gastrointestinal and respiratory symptoms after spraying of a pear orchard adjacent to the campground she was at with her family. WSDA sampling confirmed that pesticide drift reached their campground cabin. The mother and her four daughters sought medical attention.	1	Mineral oil - includes pa Aliphatic petroleum solve Etoxazole Novaluron

			Spirotetramat
110113	Twenty-seven farm workers, 7 females and 20 males, ages 19 to 64, were picking cherries when a neighboring isle of pear trees next to the cherry orchard received an airblast spray application. Some of the workers felt and smelled the spray. Nine workers are known to have sought medical attention after they developed dermal, ocular, and upper respiratory irritation as well as some neurological and gastrointestinal symptoms. All WSDA samples of foliage and clothing were positive for the active ingredient of two of the three insecticides applied.	14	Mineral oil - includes pa Aliphatic petroleum solve XDE - 175-J XDE - 175-L Spirotetramat
110118	A 59-year-old retired male resident experienced ocular and dermal symptoms two hours after a pest control operator trainee accidentally sprayed him in the face with an insecticide being applied to control ants at his residence. He was evaluated at a health care facility later the same day.	1	Chlorfenapyr
110120	A crew of 24 workers was picking strawberries while a pesticide application to potatoes in an adjacent farm approximately 300 feet away was occurring. Four farmworkers, 3 females and 1 male, ages 21-, 24-, 24- and 28-years-old reported experiencing health effects after noting a strong odor. One of the females was five months pregnant at the time. The three females developed neurological and gastrointestinal health effects and went to a hospital emergency department for medical care. The male continued working and did not seek medical attention. None of the other 24 workers reported illness to their employer. WSDA investigated but no environmental samples were collected.	4	Acetic acid, (2,4-dichlor Chlorothalonil Metalaxyl-M
110121	A 31-year-old male became ill a couple of days after using a pyrethroid insecticide over a 7 to10 day period for termite control around the perimeter of his house and in his yard. He had not worn PPE during the applications nor washed his hands after the applications. He developed gastrointestinal, neurological, cardiac, renal, and dermal symptoms two days after the last application. He was admitted and remained in the hospital for three days.	1	Deltamethrin
110125	A 50-year-old clerk at a retail department store was taking defective products to claims. At the bottom of the cart, she noticed a bag with substance leaking on the floor. She thought it was water, but then she saw the pesticide name inside bag. She reviewed information about the pesticide and then put on protective gear to continue moving the product and clean the spill. She developed neurologic and respiratory symptoms. She consulted her health care provider by phone.	1	gamma-cyhalothrin
110126	A 50-year-old male was sprayed with mosquito repellent in his eye at work. He reported that his eye remained sore and irritated for more than two days but he did not seek medical care for ocular symptoms.	1	Deet
110128	A 56-year-old male air-blast applicator was drifted by another applicator. Both applicators were spraying in the same block and one of them complained of the spray and dust hitting his eyes. He developed ocular symptoms and sought medical attention two days later. His employer indicated the applicators got close to	1	Sulfur Myclobutanil

	each other while spraying. The employee was seen for follow-up four days later. The employer held a meeting with employees to discuss the dangers of spraying close to each other.		
110131	A 41-year-old male pesticide applicator was mixing a fungicide when a drop of the product bounced from the tank hitting his left eye. He felt burning in his eyes. He washed his left eye with a hose. He sought medical attention four days later. He was not wearing eye protection while mixing and the product did not require the use of it.	1	Quinoxifen
110132	A 65-year-old farmworker was poked in his left eye while pruning apple trees. He developed a full body rash and went to the emergency room. He had no history of allergic reactions. The apple trees were sprayed with insecticides and nutrients between 9 and 26 days prior to the incident.	1	Thiacloprid Ethephon lambda-Cyhalothrin
110133	A 22-year-old male Christmas Tree farm worker became ill shortly after noticing a chemical odor that he thinks came from another worker who was spraying trees in an adjacent field at the time. Although the other worker had been wearing PPE, he was not. Symptoms were primarily gastrointestinal, neurological, and cardiovascular and lasted about one day. The patient was seen at a hospital emergency room that evening.	1	Chlorpyrifos
110135	A 16-year-old female became ill after re-entering her apartment to assess the reason one of the insecticide foggers wasn't discharging properly. She had just set off the foggers. When she entered the apartment, she became exposed and developed respiratory and gastrointestinal symptoms. She was seen at a hospital emergency department and released the same day with no lasting symptoms.	1	Cypermethrin
110136	A caregiver reported a 63-year-old disabled female was given Knockout ES by a veterinarian when she took her cat to be treated for a flea problem. She has a history of chronic medical conditions including COPD, emphysema, and asthma. She sprayed about 9 ounces of the aerosol product in her residence. After application, she experienced gastrointestinal and neurological symptoms. Additionally, the woman would not get out of bed the next day, which the caregiver reports as being unusual.	1	N-Octyl bicycloheptene di Pyrethrins Permethrin, mixed cis,tra Pyriproxyfen
110137	A 49-year-old male student became ill shortly after spraying a chlorophenoxy herbicide to control weeds in his backyard. During the application, wind blew some of the product back into his eyes and onto his skin. He inhaled a little of it. He was not wearing a respirator or other recommended PPE at the time. Symptoms developed shortly after the exposure, lasted about one week, and were primarily ocular, neurological, and gastrointestinal. He sought health care 3 days after the incident and missed one week of school.	1	Dicamba, dimethylamine sa Dimethylamine 2,4-dichlor
110138	A 47-year-old female developed a rash on her hands and forearms after applying an herbicide. She wore gloves and other PPE. She sought medical attention.	1	MCPA, dimethylamine salt Diquat dibromide Glyphosate, ammonium salt Triethylamine triclopyr

			Fluroxypyr 1-methylheptyl
110140	A 33-year-old male insecticide applicator accidentally got hit with less than a spoonful of a granular insecticide. He was exposed while loading it into a spreader. He was not wearing a respirator and the label of the product required one. He sought medical attention one hour later after he developed gastrointestinal, neurological, and respiratory symptoms. He was discharged four hours later.	1	Aldicarb
110142	A 44-year-old male who was working for an environmental firm that specializes in cleaning homes developed dermal symptoms after spraying a cleaner that had mold killing properties. He was spraying inside a home above his head at walls and coves. He was wearing more than the required PPE for the application of this unregistered product.	1	EDTA tetrasodium salt Sodium carbonate Quaternary ammonium compo
110148	A 61-year-old female developed respiratory health effects after she was sprayed with pesticide mist by a licensed applicator who was applying it to the apple orchard adjacent to her property. She was asking him to stay on orchard property when she got sprayed. She did not seek medical attention. WSDA samples collected were positive for residue on her property.	1	Mineral oil - includes pa Aliphatic petroleum solve Acetamiprid
110149	A 19-year-old male herbicide applicator was exposed to glyphosate and then to paraquat while spraying a rose field. He used a backpack sprayer and it was leaking on top of his overalls. He continued spraying and would not wash until arriving home. He developed a dermal burn. He sought medical attention five days later and was discharged the same day. The label of the products does not require the use of a chemical resistant suit to apply it.	1	Paraquat dichloride Glyphosate- isopropylammon
110153	A 26-year-old licensed pest management professional tripped on the floor and depressed a hand-held sprayer directly onto his face. He developed ocular health effects despite wearing protective eyewear. He sought medical attention.	1	Fipronil
110154	A 24-year-old male worker was irrigating a corn field when an aerial application of propargite occurred to that field. He felt the spray on his face and also breathed the spray. He developed gastrointestinal and ocular symptoms three hours later. He decontaminated at home four hours after the exposure. He sought medical attention and was discharged the same day. He entered the same field two days after he was exposed to continue working. The restricted entry interval for propargite is 13 days. The worker could smell the pesticide in the field and his neurological and gastrointestinal symptoms continued. The worker did not want the incident to be referred for possible enforcement action.	1	Propargite
110155	A 57-year-old male sprayed weeds in his field wearing no gloves or long pants. He developed a rash the next day and sought medical attention. The rash worsened over the next five days and he sought medical attention again.	1	Dicamba 2-4,D

110156	A 25-year-old male dairy worker was spraying an insecticide to control flies outside the milking room with a back pack sprayer. He was jumping over the fences around the milking room and while doing it he spilled the insecticide on his middle back. He finished spraying in one hour. He noticed his shirt was wet and did not decontaminate. He continued working for four more hours then he went home. He sought medical attention one hour later. He did not read the label of the product he was spraying that indicates to wash after a dermal exposure.	1	lambda-Cyhalothrin
110159	Three employees of a Mental Health Crisis Response Service reported that foggers were set-off at 5 p.m. in their building. The building uses re-circulated air and employees reported that they smelled pesticide shortly after 5 p.m. Two of the three employees reported upper respiratory symptoms and coughs. One of them also reported experiencing a headache, which continued for about a day. The third employee had no symptoms. None of them sought health care immediately following this exposure.	2	Cypermethrin
110161	A 49-year-old male apple thinner developed ocular symptoms after thinning apples trees. He indicated the trees limbs and stems had dust on them that fell on his eyes while he was thinning. He sought medical attention seven days later. His employer provided the spray record that indicted the last application was conducted seven days before the worker entered the field. Two insecticides, a spreader and two fertilizers were in the tank mix for that application.	1	Diazinon Calcium oxide Imidacloprid
110164	A 27-year-old male sprayed half a can of a roach killer around his basement. He started to do exercises right after he applied the insecticide and developed respiratory symptoms. He never opened the windows in the basement while he was working out. He sought medical attention three days later for continuing symptoms.	1	Imiprothrin Deltamethrin
110170	A 31-year-old male farmworker wearing required PPE got a highly toxic herbicide in his eye when the hose ruptured as he tried to apply by tractor. The hose was clogged and apparently worn down. He rinsed his eyes with water immediately and the pain lessened. Later that day, he felt a sandy sensation in the eyes. His eyes got red and worsened over the next days so he sought medical attention. He missed two days of work and his eyes healed.	1	Paraquat dichloride
110172	A 57-year-old school principal experienced neurological, respiratory, and dermal symptoms shortly after a spray nozzle broke, exposing her right hand. She was applying an herbicide for weed control on school property. She was not wearing PPE at the time of the incident. She went to a hospital emergency department the same day and had a follow-up visit with her health care provider. Symptoms lasted two to three days.	1	Dicamba, dimethylamine sa Diquat dibromide Fluazifop-P-butyl
110173	A 26-year-old male unknowingly entered a room in his home that had just been treated with a pyrethroid insecticide. He became ill within minutes of being in the room and inhaling the product. After experiencing	1	Cyfluthrin

	acute respiratory distress he was transported by ambulance to the emergency department of a local hospital for evaluation and treatment, and released the next day. At the time of the interview, 17 days after the event, he was feeling better but was still experiencing chest tightness.		
110176	A 58-year-old woman ate at least 20 blueberries while she was picking them at a U-pick farm. The blueberries had been sprayed with malathion less than two days earlier. She experienced a burning sensation in the mouth and numbness of the lips. She reported that she is sensitive to perfumes and chemical smells, and that she has an allergy to sulfa.	1	Malathion
110178	A 35-year-old female developed respiratory and neurological symptoms when a Pest Control Professional applied herbicide outside her home, next to her open window where a fan drew in outside air. She had requested prior notification to protect her health, yet she found the notification paper in her yard after they had sprayed. She lives on a military base and the herbicide was applied by a landscape contractor. Swab samples taken by WSDA were positive for residue on the window and the fan.	1	Dicamba Acetic acid, (2,4-dichlor Carfentrazone-ethyl Mecoprop-P
110179	Approximately eight workers were harvesting corn when a helicopter application occurred. The workers initially moved away from the field just before the application; however, two workers reported that they were required to enter the corn field 10 minutes after the helicopter had sprayed. The other workers were not identified. Health effects reported included respiratory, dermal, and ocular symptoms. The required re-entry interval of the pesticide product applied is 24 hours.	2	lambda-Cyhalothrin
110181	A 54-year-old male vineyard worker was applying a pesticide used to control pathogenic infections in vineyards and field grown crops. The product is labeled as corrosive. He slipped and spilled some of the product just under his safety goggles and onto his clothes. He sought medical attention the next day. He developed ocular and dermal symptoms and signs of exposure.	1	Hydrogen peroxide
110182	A 37-year-old male property management worker who was remodeling a house unknowingly entered a basement room where a co-worker had just set off an insecticide fogger for spiders. When he entered the room, he noticed an ether-like odor and began experiencing respiratory symptoms.	1	N-Octyl bicycloheptene di Piperonyl butoxide Pyrethrins S-Methoprene
110183	A 28-year-old female housekeeper for a motel franchise cleaned a room for approximately 20 minutes. When she first entered, she developed itchiness on her face and upper respiratory irritation. She developed other symptoms and reported this to her supervisor. She learned that the room had been treated for bed bugs prior to her cleaning. She went home early and continued to feel bad. She went to a hospital emergency room for medical care. While there, her healthcare provider contacted her employer, then the pest control company to find out the pesticide. The Spanish-speaking housekeeper was misunderstood regarding exposure time and her exposure was considered inconsistent with symptoms	1	Deltamethrin

	with 18 hours elapsed time. Pesticide application records kept by the pest control company revealed a different pesticide applied than that provided to the health care provider on the day of exposure.		
110185	A 22-year-old male experienced multiple fainting episodes and other neurological symptoms shortly after spraying a pyrethroid insecticide for termite control around the outside of the garage at his residence. He was not wearing PPE. After the second fainting episode, he was taken to a hospital by ambulance. His symptoms resolved and he was discharged on the following day.	1	Deltamethrin
110186	A 37-year-old female developed neurological health effects after walking by an insecticide application to the outside corner of the building next to the entry to her office. She was unaware that spraying was taking place. She noted a strong floral odor and felt very dizzy. She sought medical care at a hospital emergency department. The product sprayed is a FIFRA 25b exempt insecticide. Her employer's policy has been changed to require all pesticide applications to be made outside of business hours.	1	Mineral oil - includes pa Eugenol Thyme Herbs Oil of rosemary
110191	Unlicensed apartment maintenance personnel applied six bug bombs to control fleas in an unoccupied apartment unit on the 2nd floor of a multi-unit apartment complex. Apartment personnel left the sliding glass door and bathroom windows open during the fogging. Persons in the unit below turned on their fan and window air conditioning unit, both drawing air from outside. A 62-year-old disabled female resident with asthma, living in the downstairs unit had five family members, ages 15 years and older visiting at the time. She and family members noticed a chemical odor and foggy material in the unit and experienced respiratory and other symptoms. Emergency Response (911) was called. Two male paramedics entered the unoccupied unit that had been fogged for a half-minute assessment. They noted odor and chemical taste as they ran through, and developed momentary respiratory symptoms upon exiting. They counted 21 empty bug bomb canisters, far more than required for the space. WSDA investigated and collected swab samples from the fogged unit and the unit downstairs where the family gathered. Residue samples were positive for insecticide in both units, even after the dwellings had been cleaned.	8	Piperonyl butoxide Tetramethrin Cypermethrin
110193	A 47-year-old male farmworker developed a rash and dermatologic irritation and swelling on his hands, then on his face two days after that. He harvested apples. The apples had been sprayed with fungicide and calcium approximately 34 days before. He improved over the course of the next week, but the rash returned after he worked again in the same field seven days later.	1	Ziram
110195	A 34-year-old male spray applicator applied a tank mix of two insecticides and fungicides. He indicated that during the application there were windy conditions and he felt some of the spray on his face. He was wearing a face shield and the mist came from the sides and under the face shield. He sought medical attention five days later after experiencing some pain and irritation.	1	Calcium polysulfide Sulfur
110197	A 70-year-old male developed respiratory and eye irritation after lifeguards 20 feet away sprayed	1	Esfenvalerate

	insecticide aerosol with petroleum distillates. The lifeguards sprayed the insecticide on the wall and window of an adjacent area within the indoor public recreational pool. In the area sprayed, they had opened windows that open onto the pool area. The insecticide drifted into the pool area. The 70-year-old man sought healthcare. The incident was reported to local public health pool safety staff.		
110198	A 22-year-old male employee of a city waste to energy recycling plant developed some respiratory and neurological systems after he inhaled pesticide dust. A bag of the granular organophosphate insecticide with fertilizer broke open and approximately a teaspoon of the product fell as he inhaled the product. He sought medical attention the same day.	1	Acephate
110199	A 51-year-old female quarry attendant developed neurological and gastrointestinal symptoms after smelling vapors from an herbicide application. An herbicide was sprayed around the building she was working in. She usually leaves the windows open for ventilation and right after the application started smelling the vapors. Approximately 15 minutes later she developed symptoms. She went back to work the next day and sought medical attention one month later.	1	Butoxyethyl 2,4-dichlorop Butoxyethyl triclopyr
110200	A 3-year-old child accidentally sprayed herself with a dog repellent and complained about ocular symptoms to her mother. The mother washed her face and noticed some dermal and ocular symptoms. She sought medical attention for her daughter 30 minutes later.	1	Capsaicin (in oleoresin o
110205	A 21-year-old male landscape technician got sprayed in the face when the sprayer discharged as he put it in the truck. He had been spraying weeds. He sought medical attention for ocular symptoms.	1	Glyphosate- isopropylammon
110206	A 27-year-old male spray applicator developed ocular symptoms after spraying a fungicide. He reported wearing goggles and still got exposed to the spray. His employer provided spray records indicating he was spraying the fungicide. He sought medical attention one day later.	1	Thiophanate-methyl
110207	A 34-year-old male farmworker applied a tank mix to an apple orchard and some spray got into his spray suit. He only noticed at the end of the shift when removing his clothes. He experienced some blistering upon showering in hot water. He reported the incident to his employer several days afterward thinking it was an allergy. He sought medical care after the rash persisted for over a week.	1	Potassium 1-naphthaleneac Pyraclostrobin Ethephon boscalid
110208	A 33-year-old male was spraying a tank mix of three herbicides and a spreader around apricot trees. He was directly hit in the right eye with the solution after one of the nozzles hit a trees branch. He washed immediately with his drinking water then at the shop for 15 minutes with saline solution before getting to the ER. He was discharged one hour later. He was wearing safety glasses as required by one of the labels and still was exposed. He missed one day from work.	1	Glyphosate- isopropylammon Norflurazon Oxyfluorfen

110210	A 28-year-old was working in a potato storage facility, close to the conveyor belt where the hoses containing the fungicide sprayed the solution on to the running potatoes. He felt the mist from an application on his face, and reported getting a direct hit into his left eye. He reported onset of respiratory, gastrointestinal, and ocular symptoms from four to six hours after the exposure. He sought health care that day at a hospital emergency room.	1	Mono- and di- potassium s
110212	A 21-year-old female developed respiratory symptoms including exacerbation of asthma after exposure to a bug bomb that was used in her apartment. She consulted a healthcare provider by phone.	1	Tetramethrin Cypermethrin
110214	A 40-year-old male reported neurological, gastrointestinal, and respiratory symptoms after re-entering his home shortly after setting off pyrethroid foggers for flea control. He had re-entered his home to turn off smoke alarms that had activated after the fogging began. He did not seek health care and his symptoms resolved after the fourth day.	1	Piperonyl butoxide Tetramethrin Cypermethrin
110215	A 41-year-old male reported gastrointestinal and respiratory symptoms after re-entering his workplace shortly after setting off a flea fogger to retrieve his keys. The patient was in the treated area for about 10 minutes.	1	Methoprene
110217	An 11-year-old female went to the doctor with dermatological health effects on her ear, after her mother applied a French product for lice to her hair. The active ingredient is an organophosphate. The area affected had improved by the time they visited the doctor.	1	Malathion
110219	An 8-year-old child, developed ocular symptoms after playing with his dog that had just been treated for fleas. The child was taken to a hospital emergency department where he was diagnosed with chemical conjunctivitis and treated.	1	Cyphenothrin Pyriproxyfen
110222	A 34-year-old male pesticide applicator spraying apple trees reported contact with the spray he was applying. He was wearing raingear and still felt that his skin was exposed. He developed dermal symptoms that were consistent with the type of pesticide he was applying. One of the plant regulators he was applying is considered corrosive. He sought medical attention twice and was allowed to return to work on full duty.	1	Potassium 1-naphthaleneac Ethephon
110223	A 31-year-old male drank from a Pepsi bottle at work that someone had put herbicide concentrate into. He spit the substance out after drinking it. He vomited multiple times and went to a hospital emergency department with neurological symptoms. He improved and was discharged.	1	Glyphosate
110224	A 56-year-old female developed respiratory and gastrointestinal symptoms when she entered her newly rented apartment that had been treated excessively with concentrated foggers. She spent one night in the	1	Tetramethrin Cypermethrin

	apartment and had to stay elsewhere. Cabinets were also wet with varnish or stain. WSDA investigated.		
110226	A 3-year-old female developed vomiting and fever three days after permethrin lotion was applied to her hair for lice. The lotion was kept on the child's hair for one week. The child was taken to the hospital.	1	Permethrin, mixed cis,tra
120001	An 8-year-old male, his 43-year-old mother, and 44-year-old father developed gastrointestinal and other health effects after using organophosphate fumigant strips in their home for bed bug control. The strips were purchased online. Four strips were used on the same level of a multi-level home. The strips were applied with space heaters and fans placed behind them, to improve effectiveness of the pesticide product. The family remained in the home, but outside of the treated rooms, for two days after hanging the strips. The strips were removed four days after they were installed, and the home was aired out for three additional days, and then closed until the family returned eight days later. The parents sought healthcare for their son.	3	Dichlorvos
120010	An adult male developed respiratory irritation and a headache after he was exposed to pesticides applied to an apple orchard less than 200 feet from his home. His clothes were wet and he felt the mist on his face. The day was windy and weather records confirmed gusts up to 11 mph. The resident notified Department of Ecology staff, who forwarded the complaint to WSDA. Foliage samples from the resident's property confirmed pesticides had drifted from application site to the residence.	1	Aliphatic petroleum solve Thiophanate-methyl XDE - 175-J XDE - 175-L