



Pesticide Illness Surveillance  
All Event Summaries (2013)

Event	Event Narrative	#	Active Ingredient(s)
130002	A 26-year-old male building groundkeeper developed neurological and ocular symptoms after he accidentally sprayed his face with an herbicide. The spray is an aerosol that contained 2, 4-D, isopropyl alcohol and naphthalene in formulation. He washed his eyes for 15 minutes and sought medical care two hours later. Use of eye protection during application was not required by the pesticide label.	1	2, 4-Dichlorophenoxyacetic, Acid, DMA Salt Bromacil Isopropyl Alcohol Naphthalene Propane/n-Butane
130003	A 24-year-old female bank teller and her 53-year-old female supervisor reported irritant effects after entering the small bank vault that had been fumigated the previous evening for mold. File drawers were left open to allow fog to treat papers. When the teller began to scan exposed documents, she developed additional health effects and sought medical attention.	2	Potassium peroxymonosulfate Alcohols, C6, C8 & C10, e
130004	A 56-year-old truck driver experienced respiratory symptoms while on the job at a dairy. He has pre-existing conditions including cardiac disease with stent placement. He reports that he had just finished mixing herbicides and was loading them onto a truck. He smelled an odor, felt dizzy, experienced profuse sweating, went inside the truck to sit, and passed-out momentarily. Upon regaining consciousness, he drove himself to the hospital. Neurological and respiratory symptoms were observed at the emergency so he was admitted.	1	Paraquat dichloride Hexazinone
130006	A 19-year-old male and a 17-year-old female noticed a strange smell in the basement where they sleep. The smell intensified over two days before they located the source. An aerosol fogger from 1974 was	2	Ronnel Dichlorvos

	corroded and had been oozing contents onto a shelf in the basement. They developed respiratory, neurological, and other symptoms and sought health care at a hospital.		
130008	A 63-year-old male sprayed an organophosphate product outside, along the base of his house for spiders using a backpack sprayer. He was not wearing a respiratory or other personal protective equipment (PPE) at the time. About 20 minutes into the spraying, he developed symptoms characteristic of organophosphate poisoning (sweating, fatigue, headache, nausea, difficulty breathing, and confusion). He was admitted to the hospital.	1	Diazinon
130009	A 48-year-old female developed respiratory and gastrointestinal symptoms after breathing odors from an herbicide application at an alfalfa field. She was driving her car about 1/8 of a mile away from the sprayer. She reported the incident to Washington State Department of Agriculture (WSDA) two days later after she could still smell the chemical odor in her car. A day later, (three days after exposure,) WSDA collected swab samples from the windows and painted surfaces of her car. The samples showed residues of the active ingredients of the herbicides. She did not seek medical care and missed one day from work.	1	Paraquat dichloride Hexazinone Pendimethalin
130010	A 73-year-old male sprayed insecticide on his fruit trees for two hours. There was a drip on the spray wand and his bare hands were wet the whole time with insecticide. At one point, the wind blew the spray back to his face and hands. He started having neurological and gastrointestinal symptoms within the hour after spraying. After collapsing, paramedics were called and took him to the hospital where he was admitted.	1	Malathion
130011	A 22-year-old man with a history of asthma was helping his brother-in-law on a construction site. He heard a tractor and said he looked towards the applicator as he started to spray with an air blaster. He felt the mist on his face and breathed the spray. He developed gastrointestinal and respiratory symptoms within minutes of his exposure. He sought medical care five days later after experiencing persistent respiratory symptoms.	1	Chlorpyrifos
130013	A 5-month-old baby handled a can of Raid insecticide and exposed his lips and eyes to the pesticide product. He cried, and his parents took him to health care upon noticing eye and skin symptoms. He was diagnosed with chemical conjunctivitis.	1	Pyrethrins
130014	A 48-year-old man developed upper respiratory and eye irritation as well gastrointestinal and neurological symptoms after entering an apple orchard to lace pheromone strips on tree branches. The orchard was sprayed with a plant growth regulator and two adjuvants four hours and thirty minutes before his entry. The REI entry interval (REI) for these pesticides is four hours, so he complied with the REI. He sought medical care the same day, was admitted for observation and discharged approximately six hours later. He continued to have symptoms for a number of days after the incident.	1	Myristyl alcohol Calcium chloride Alcohols, C6, C8 & C10, e Benzyladenine Gibberellin A4 mixt. with

130015	A couple, husband age 61 and wife age 66 developed some gastrointestinal, neurological, and upper respiratory symptoms after a number of air-blast applications were conducted adjacent to their property. A pear orchard located across their home was sprayed with two sulfur based fungicides. They smelled the rotten odor smell characteristic of sulfur applications. Still, they could not tell the difference between the sulfur from the applications and a manure fertilizer application conducted on the orchard around the same time. WSDA samples on the home and fence were positive for sulfur residues.	2	Copper oxychloride Copper oxychloride (Cu <sub>2</sub> ) Mineral oil - includes pa Aliphatic petroleum solve Calcium polysulfide Sulfur Kaolin Cytokinin (as kinetin)
130016	A 23-year-old female reported that she and her 27-year-old brother-in-law experienced neurological, respiratory, and skin symptoms several days after her apartment was treated with ammonia and bug-bombed for fleas by the maintenance manager, an unlicensed applicator. The 23-year-old sought health care, but her brother-in-law did not. She was diagnosed with an allergic reaction. At the time of the interview three weeks after the application, she said that she was still feeling weak.	1	Ammonia Tetramethrin Cypermethrin
130017	A 31-year-old male orchard spray applicator developed dermatitis after spraying two pesticides in a tank mix. He finished spraying the product and later he noticed he had a rash. He was sure he was exposed while applying the tank mix. He did not wear an overall to go over his long-sleeve shirt and pants as required in the label. He sought medical care two days later and did not return for a follow-up.	1	Chlorpyrifos Mineral oil - includes pa Aliphatic petroleum solve
130019	An 80-year-old male experienced neurological symptoms that included dizziness and numbness in the tongue, after he inhaled vapors while he was applying an insecticide on peach trees at his home. He sought medical care one hour later. He was not wearing chemical resistant gloves while applying the spray as required in the label. He also was not wearing respirators but the label did not require the use of a respirator.	1	Carbaryl Malathion Captan
130020	A 58-year-old unemployed male with pre-existing medical conditions was spraying weeds with an herbicide outside a friend's house. While he was refilling the sprayer, a dog came by and caused some of the product to splash onto his face and into his mouth. He was not wearing any PPE at the time. Within hours, he developed respiratory and gastrointestinal symptoms. He went to the hospital where he was admitted for a week, then transferred to another hospital for a week for further evaluation. At the time of the interview one month after the event, the patient was still not feeling well.	1	Quinclorac
130022	A 36-year-old female farmworker was tying cherry trees and was exposed to drift from an air blast application to other cherry trees nearby. She developed an itchy rash and sought medical attention.	1	Propiconazole AVIGLYCINE hydrochloride
130024	Seven male and five female farmworkers reported irritation and other health effects after high toxicity fungicide applied to an adjacent apple orchard drifted onto them. At the time, they were working thinning	10	Calcium polysulfide

	apple blossoms. Four workers sought medical attention. WSDA investigated and samples taken from foliage and worker's clothing were positive for the fungicide. Ten additional workers were also thinning in the area but were unable to be reached for interview.		
130025	A 27-year-old male asthmatic warehouse worker was cleaning the floor at his workplace after a few gallons of concentrated liquid algaecide had spilled. He was not wearing a respirator at the time. Within 10 to 15 minutes he became lightheaded, vomited, experienced burning in his throat, nose, and mouth, and developed respiratory symptoms. He was taken to a hospital for evaluation where he was diagnosed with noxious inhalation exposure. He said that he felt better by the next day.	1	Hydrogen peroxide Peroxyacetic acid
130026	Elementary school children played on playground equipment that had been sprayed with insecticide for yellow-jackets less than one and a half hours before recess. Fourteen students age six to nine year old reported dermal symptoms and eye irritation and pain. Some children reported neurological symptoms. At least three children missed one or more days of school. Based on the information reported, none of the students sought medical attention. School staff helped students wash their hands, face, and arms. A letter informing parents and guardians about the pesticide-related incident went home with the students. WSDA investigated and samples from the playground and clothing were positive for the insecticide. The pesticide equipment was not properly calibrated, resulting in over application of the pesticide.	13	beta-cyfluthrin
130030	A 20-year-old male apple tree pesticide applicator developed eye symptoms after he felt that the wind blew a small amount of pesticide into his left eye. He washed immediately after the exposure for about five minutes and sought medical care five hours later. The label of one of the products he was spraying required 15 to 20 minutes of gentle and slow eye rinsing in case of eye exposure. He only washed for five minutes.	1	Sulfur Flutriafol
130032	A 46-year-old male cherry orchard laborer who is an unlicensed applicator, was asked to fill in for another employee to mix multiple pesticide products in a tank then spray cherry orchards with the mixture. The applications occurred over a two-day period. He was exposed when wind blew some of the product back into his face and eyes as he was walking between two air blast sprayers. One of the products used in the mixture is a REI use pesticide, and three others have four or twelve-hour REIs. He wore some, but not all of the required PPE while mixing and applying the pesticides. He experienced neurological, gastrointestinal, ocular, and dermal symptoms shortly after being exposed. He sought medical care and was admitted overnight. His symptoms lasted about a week. The Washington State Department of Labor & Industries (L&I) investigated and cited the company for numerous employee health & safety violations.	1	Mineral oil - includes pa Aliphatic petroleum solve Cytokinin (as kinetin) Abamectin Triflumizole
130033	A 30-year-old farmworker developed gastrointestinal and neurological health effects after working in an orchard before the re-entry interval had been met for a fungicide application the day before. He went to the ER. L&I conducted a workplace inspection.	1	Calcium polysulfide

130035	A two-year-old female child was in the family animal feed shed and got permethrin dust on her clothes and hands, possibly ingesting some. She also ingested a liquid vitamin and mineral feed supplement. Immediately after ingesting the liquid supplement, she coughed and vomited twice. The child was treated at a health care facility where she was released the same day. Her symptoms resolved later the same day.	1	Ammonium hydroxide Copper sulfate monohydrat Ferric sulfate Magnesium sulfate Carbaryl Potassium chlorate Zinc sulfate
130037	A 45-year-old male homeowner and his 10- and 17-year-old sons were getting ready to leave their home as an applicator driving an air-blaster was spraying a cherry orchard in front of their property. The home owner noticed an overspray coming onto his property and decided to take a picture of the application. He was approximately within 50 feet away from the air-baster as he took pictures of the air-blast application. The homeowner and one of his sons developed upper respiratory symptoms later. They did not seek medical attention. WSDA samples tested positive for pesticide residues on the property and on the clothing of the homeowner. The application was made without an observer to avoid potential drift situations.	1	Sulfur Pyraclostrobin XDE - 175-J XDE - 175-L boscalid
130038	A six-year-old female developed eye symptoms after her mother applied a malathion-based lice lotion to her hair. Some of the product got into her eyes.. The Fire Department responded and rinsed her eyes. No other health care was sought for this incident. Her symptoms resolved by the following morning.	1	Malathion
130039	A 62-year-old female and her 33-year-old daughter reported a headache, respiratory difficulties and other health effects after sleeping in rooms of their home where closets had fumigant strips applied by a PMP (Pest management professional) for bed bug control. Three large strips were placed in the attic and crawl space; at least four smaller strips were hung - one each in closets throughout the approx. 2,000 sq. ft. 3-level older home. The home is very porous and closets have gaps under doors. The odor of the strips was detected. Strips were removed after eight days and symptoms subsided over time.	2	Dichlorvos
130044	A 21-year-old male pesticide applicator was spraying an apple orchard with a fungicide. He was spraying it with an air-blaster under windy conditions. He accidentally got some of the spray in his eyes but continued working. His eyes got swollen and red. He sought medical care two weeks later. He indicated the spray hit his eyes by getting through the bottom of his safety glasses.	1	Hydrogen peroxide Peroxyacetic acid
130045	A 54-year-old male farm worker was mowing an orchard that had been sprayed 48 hours earlier with two insecticides; one of them contained carbaryl. The REI for the products applied was 12 hours. The REI was observed and still the worker developed symptoms. He developed an allergic dermal reaction with upper respiratory irritation and some neurological and eye symptoms. A year earlier he had similar symptoms when he was exposed to carbaryl. He indicated smelling carbaryl while mowing the orchard. He was	1	Flubendiamide Carbaryl Flutriafol

	wearing a dust mask and safety glasses with a white overall. He sought medical care the same day. Also, the fungicide flutriafol was applied three days prior his exposure. The label of this product indicated that under prolonged and frequent skin contact it may cause an allergic reaction. This product has a low volatility a half-life of one year in water.		
130046	A 25-year-old male farm worker was cleaning an air-blaster sprayer with a water hose. The sprayer had been used to spray the cherry orchard with two fungicides. He was wearing safety glasses and still was exposed, as some of the water he was spraying hit the sprayer and then ricocheted to his right eye. He developed eye irritation right away and washed his eye for 15 minutes. He sought medical care the next day	1	Sulfur Urea Triflumizole
130047	A 36-year-old female farmworker worked in an orchard placing pheromones in apple tree tops when she developed an allergic reaction including vomiting. She was told the orchard was sprayed three days prior. She sought medical attention. She'd had a similar reaction the prior summer working in a cherry orchard.	1	Copper hydroxide Mineral oil - includes pa Aliphatic petroleum solve Sulfur (E,E)-8,10-Dodecadien-1-o
130048	A 36-year-old male motorcycle driver was travelling from Walla Walla to the Tri-Cities when he saw a group of people working on an air-blast sprayer. The sprayer was on as he passed by, and he breathed the vapors for about 30 seconds; he also felt a mist. He quickly developed respiratory symptoms. He also developed some gastrointestinal and neurological symptoms. He reported the incident to WSDA.	1	Chlorpyrifos Phosmet Bifenthrin
130049	A 56-year-old female custodian developed a chemical burn after an insecticide sprayed in her eye as she removed the cap. She sought medical attention.	1	Pyrethrins Deltamethrin
130055	A 52-year-old female was at a neighbor's home where an application of a bird repellent was conducted. She indicated that the application was conducted as close as 20 feet away from her. She reported breathing and tasting the spray. She developed neurological, respiratory, and gastrointestinal symptoms. She sought medical care the next day. WSDA samples were negative for the product applied. A WSDA laboratory indicated the product is highly volatile and would dissipate without traces in a matter of hours after the application.	1	Methyl anthranilate
130056	A 31-year-old male pesticide applicator in an apple orchard developed skin, eye, and respiratory symptoms after he felt the pesticide mist on his face. He was wearing a respirator but still was exposed when wind picked up and blew the mist on areas of his face not covered by the respirator. He developed an allergic skin reaction to his neck and eye irritation. He was wearing safety glasses and still developed eye symptoms. He sought medical treatment the same day. His employer provided spray records. Even though the worker indicated he was applying herbicides, it was clear he was applying the two fungicide and	1	Oxytetracycline hydrochloro Streptomycin sulfate

	bactericides described in the spray records.		
130058	A 20-year-old male licensed applicator was washing out a filter when corrosive tank mix splashed into his right eye. He rinsed for three minutes and sought medical care because his eyes worsened that day.	1	Pyraflufen-ethyl Paraquat dichloride Pendimethalin
130059	A 5-year-old girl got Pet Armor (fipronyl 9.7%) drops onto her hands and then rubbed her eyes. Eye symptoms were observed by EMT, who irrigated and provided further instruction to her parent.	1	Fipronil
130062	Nine farmworkers and their foreman reported drift from the insecticide application to apples adjacent to the cherry orchard where they were on ladders pruning. A male and female who were closest to the apple orchard application developed gastrointestinal symptoms and dizziness and went to the hospital emergency department. Five other workers reported eye irritation and other symptoms. WSDA samples taken from both orchards were positive for the banned insecticide, which was only allowed to be used until existing stocks were depleted through September of 2014 (this incident was in 2013 so they were within their rights to use it).	7	Azinphos-Methyl Mineral oil - includes pa
130063	A 59-year-old female was sprayed in the face, eyes, and mouth after handling an active Raid flea fogger she placed in an upstairs hallway in her home. She immediately developed ocular, respiratory, gastrointestinal, and neurological symptoms. The symptoms mostly resolved within a few hours, but she experienced chest pain later the same day. Paramedics responded and took her to the hospital emergency department for evaluation, then admitted her overnight for observation. Five days after the event she was feeling back to normal.	1	Pyrethrins  Methoprene  Piperonyl butoxide
130067	A 64-year-old female home owner with a history of chemically related illness was visited by a pesticide applicator to let her know about his plans to spray the park, located next to her property, with an herbicide called glyphosate. The applicator parked his truck 30 to 40 feet away from her home then proceeded to inform the home owner of his plans. As he talked to the home owner, she noticed a smell and complained to the applicator. He moved his truck and left the area without conducting the application. She developed respiratory and neurological symptoms right away and had to be transported to the ER by a family member. Two days later she saw her family physician and still complained of having symptoms. WSDA investigated the incident and due to the fact that no application was conducted, no letters of corrections or citations were issued by the agency.	1	Glyphosate
130068	A 59-year-old male developed fatigue and gastrointestinal, respiratory, and neurological symptoms several hours after spraying an insecticide in his attic. He did not use respiratory or other PPE at the time. He was seen at two health care facilities two days after the spray application. His symptoms lasted several days.	1	Fluvalinate Tebuconazole Imidacloprid

130069	A 54-year-old male was checking an irrigation water box next to a cherry orchard near his home, when he was hit directly by spray from an air-blast application. The tank-mix contained an insecticide, a fungicide and a buffer. He was approximately 15 to 25 feet away from the application and was exposed for 20 seconds. He had a skin and eye exposures and developed eye symptoms right away. He also reported having respiratory symptoms 15 minutes later as he arrived home to decontaminate. He sought medical care two days later and was seen for follow-up in 11 days. He was also examined by an optometrist 24 days after the exposure. WSDA investigated the incident and a notice of correction was issued for making an application when an unprotected person was present, causing endangerment to humans and their environment. The application was determined to be made in a faulty, careless or negligent manner.	1	Carbaryl Myclobutanil
130070	A 55-year-old female and her 57-year-old husband developed gastrointestinal and other health effects several days after they put a flea collar on their Chihuahua, who regularly sits on their laps and is in close proximity to their faces. They noticed a chemical smell. They discarded the collar after about a week and consulted WA Poison Center. They did not seek medical attention.	2	Gardona (cis-isomer)
130071	A 49-year-old female held a fumigant pest strip for approximately two minutes as she tried to attach the wire hook to her garbage container. She washed her hands and had neurological symptoms within one-half hour. She did not seek medical attention.	1	Dichlorvos
130072	A 26-year-old farmworker developed gastrointestinal symptoms after pulling weeds in an onion field that was sprayed the day before. He sought medical attention.	1	Hydrogen peroxide Pendimethalin XDE - 175-J XDE - 175-L Clethodim Azadirachtin
130073	A 37-year-old male farmworker was mixing herbicide in a tank when the product splashed his lip. He was wearing all PPE but the splash occurred when he removed his mask to sneeze. He sought medical attention.	1	Glyphosate- isopropylammon Glyphosate, ammonium salt
130076	A 19-year-old female was pulling weeds when she developed an allergic reaction. She went to the ER.	1	Clethodim
130077	A 52 year-old male developed respiratory symptoms a day after spraying weeds in his yard with an herbicide containing 2,4-D. He wore some, but not all of the required PPE. He sought health care three days after the spray application. His symptoms lasted about two weeks.	1	Dimethylamine 2,4-dichlor
130078	A 26-year-old male farmworker developed a headache and gastrointestinal health effects after he inhaled fumes that drifted from an application of pesticides to potatoes next to the onion field he and others were weeding. One product was a cholinesterase inhibitor, a powerful chemical known to cause illness. He went	1	EPTC Metolachlor



	to the hospital emergency department.		
130079	Two adult office employees experienced headaches, nausea, and vertigo shortly after their company's maintenance person, an unlicensed applicator, sprayed an insecticide below the desks along the baseboards where they were sitting. One of the employees went to the hospital emergency department shortly after the incident. The other sought health care several days after the incident. Three days after the incident the employees' symptoms had resolved except for a lasting headache for one of the employees. L&I investigated and found that the ventilation system in the office was poor, leading to air stagnation and an inefficient removal of air contaminants inside the office.	2	Deltamethrin
130080	A 28-year-old female walked through her pasture, which had been sprayed with herbicide the same day. She developed neurologic and gastrointestinal symptoms within one-half hour. She sought medical attention.	1	Aminopyralid
130081	A 49-year-old male storage facility manager experienced a rash, burning sensations, and inflammation on his forearms and thighs several hours after spraying a malathion product to control tent caterpillars outside of his workplace. He received blow-back spray from wind, exposing his clothes, arms, legs, chest, and thighs. He was unlicensed and not wearing all of the required PPE. He sought health care two weeks after the incident. At the time of the interview with him a month after the incident, the patient was still experiencing dermal symptoms.	1	Malathion
130082	A 68-year-old male farmworker was cleaning grapes when he developed a skin reaction. He went to a hospital emergency department for medical care.	1	Sulfur Triflumizole
130083	A 32-year-old male farm worker was applying herbicide and adjuvant in an apple orchard. He was on top of a tractor using a hand wand sprayer as he was spot treating weeds. Wind picked-up and the spray accidentally hit the left side of his face including his left eyes. He was wearing safety glasses, but the herbicide passed under the eye protection. He washed his eye one minute later for 15 minutes at a work station. He sought medical treatment two days later for persistent ocular symptoms.	1	Glyphosate Alkylphenol ethoxylate, Butyl alcohol Dimethylpolysiloxane
130084	A 55-year-old farm worker experienced eye exposure to herbicide and adjuvant while he was applying them. He said that the wind was blowing strongly at the time. Though he reports that he was wearing safety glasses, he said that the lenses filled with spray mist. He developed burning sensation immediately. He knew of no eye wash close to him and so was unable to rinse his eyes right-away. He was not licensed to handle or apply pesticides. His ocular symptoms continued to worsen and he sought medical treatment, five days after this incident. He was diagnosed with corneal abrasion in both eyes.	1	Glyphosate Ammonium sulfate
130085	A 29-year-old farmworker developed gastrointestinal and neurological health effects as she worked	1	Gibberellic acid Quinoxifen

	thinning apples in an orchard that was also being sprayed with airblast equipment. She sought healthcare.		Spinosad
130086	A 5-year-old child with a history of seizures, autism, and other health issues was treated by her mother at home with a pyrethroid-based lice shampoo that also contained piperonyl butoxide. Two hours after the application, the child experienced a seizure. The shampoo did not get into the child's mouth or eyes during the treatment, but the child reportedly was touching the shampoo so could have gotten a small amount into her mouth. The child was taken by ambulance to the hospital emergency department after experiencing a longer than usual seizure. She was treated and released from the ER the same day.	1	Piperonyl butoxide Pyrethrins
130087	A 21-year-old male was asked to work in a hop field at the time the field was applied with a 2, 4-D herbicide. He smelled, tasted and saw the spray mist flying on the air while working five rows away from the application area. He worked inside the treated area. The REI for this product is 12 hours, so he entered before the REI had expired. He was transported to a hospital emergency department by his supervisor after he developed gastrointestinal and neurological symptoms. He was not wearing coveralls and chemical resistant gloves as required in the label of the product for early entry.	1	Acetic acid, (2,4-dichlor
130092	A 61-year-old male farm worker was thinning apple trees when he noticed an air blaster spraying approximately 175 feet away from where he was working. He saw the mist of the air blaster moving toward him and smelled a strong odor. He started developing paresthesia in the lips and tongue as well as some gastrointestinal and respiratory symptoms. He sought medical care the next day and was discharged after examination. The Department of Labor and Industries (L&I) conducted an investigation that concluded the application occurred at the distance indicated by the worker and obtained spray records of the application. L&I did not issue citations for violations and penalties were not assessed. One of the products in the tank mix was capable of producing the symptoms the worker experienced after he inhaled the vapors.	1	Abamectin Spirodiclofen
130093	A 48-year-old male farm worker entered a field to work with the irrigation system. He entered just approximately six hours after a pesticide application containing a tank mix with a growth regulator and a hormonal product used to thin apples trees. The products had a REI-entry interval of 24 and 48 hours. Therefore, he entered the field within the REI-entry interval and without the required PPE for early entry. The employee developed neurological and respiratory symptoms with high blood pressure. He sought medical care the next day and was seen for follow-up eight days later and at that time all his symptoms had resolved except for his hypertension.	1	Potassium 1-naphthaleneac Ethephon
130097	A 43-year-old female unlicensed pesticide applicator at an orchard was applying a REI use herbicide when the hose broke and splashed her. Some got in her mouth, which she washed immediately. She had just removed the paper mask from her nose and mouth due to an itch. Within one-half hour, she developed neurological symptoms and vomited multiple times. She went to the ER. She did not want to file a	1	Paraquat dichloride

	complaint with L&I Dept. of Occupational Safety and Health.		
130098	A 21-year-old male farm worker was thinning apple trees when he developed mild neurological, gastrointestinal, and respiratory symptoms. He indicated that the orchard he was working in was previously sprayed and attributed his illness to pesticide residues on the trees. He sought medical treatment at an ER two days later. DOH requested and obtained spray records in the orchard he was working in. Spray records provided by the employer showed an application with imidacloprid 24 or 72 hours before he worked on the field and developed symptoms. The REI for imidacloprid is 12 hours; therefore, the REI was observed as the employee came to work in the orchard 24 or 72 hours after the application. Nevertheless, the worker still developed symptoms.	1	Mineral oil - includes pa 1H-Pyrazole-5-carboxamide Imidacloprid
130100	A 60-year-old female home owner worked on her yard at the same time a PCP applied a tank mix of two pyrethroid insecticides on the yard beyond a wood fence that divided both properties. She felt a liquid hitting her back, head and arms, and minutes later she felt a misty drift. She developed some respiratory symptoms and did not seek medical attention. She contacted the WSDA and filed a complaint with them. Two days later, WSDA collected the T-shirt she used at the time of the incident. Results from the samples were positive for the bifenthrin. WSDA determined there was drift and issued penalties.	1	beta-cyfluthrin Bifenthrin
130101	Twenty-seven farm workers; eleven females and sixteen men; ages 18 to 73 were thinning apple trees when a neighboring orchard applicator applied a tank mix of two pesticides by airblast sprayer. A row of trees divided the two orchards and the workers smelled the pesticide. None of the workers felt the mist; however, some of them indicated the smell was strong. The exposure lasted for approximately 30 minutes and some of the workers developed gastrointestinal and neurological symptoms. They were later moved to another area of the orchard. However, approximately two hours later they were asked to work in the same area where they were earlier, potentially exposing themselves to pesticide residues. Most of the workers sought medical care the same day after work. Cholinesterase samples were drawn for 21 patients and all samples were within normal limits compared to the established laboratory parameters. WSDA investigated the drift incident obtaining foliar samples in areas workers were thinning. Samples tested positive for residues of spiroticlofen, one of the two active ingredients in the tank mix. DOH considered the positive samples of one of the active ingredients as positive physical evidence confirming the exposure.	25	Azinphos-Methyl Spiroticlofen
130105	A 40-year-old male farm worker was spraying conservation reserve program (CRP) grassland with a tank mix of herbicides under windy conditions. He reported smelling the spray and perhaps feeling the mist on his face. He was wearing a dust mask and rubber gloves, but no overall required for one of the pesticides in the tank mix. He started feeling inflammation in his lips, mouth and eyes that reminded him of symptoms he experienced in the past with another pesticide he said he is sensitive to. One of the herbicides in the tank mix contained the same active ingredients as the herbicide he said he was sensitive	1	Triisopropanolamine 2,4-d Glyphosate- isopropylammon Clopyralid, monoethanolam Dicamba, diglycoamine sal

	to. He felt also some neurological and gastrointestinal symptoms. His supervisor transported him to an ER after he complained of having blurry vision and trouble driving. The next day he went back to work.		
130106	A 52-year-old female developed neurological and skin health effects after she was exposed to fog from a bug bomb applied beneath her apartment in the crawl space. She sought medical attention.	1	None
130107	A 21-year-old female farmworker developed gastrointestinal and neurological symptoms after an air blast application to a pear orchard drifted to her work area, where she was thinning apples. A pesticide in the tank mix contained petroleum distillates. She sought medical attention.	1	Mineral oil - includes pa XDE - 175-J XDE - 175-L
130108	A 56-year-old male and a 34-year-old female resident of a resort subdivision neighboring a cherry orchard developed respiratory symptoms after an applicator decided to spray the trees with a repellent for mammals. Deer were entering into the orchard and were damaging newly planted trees. This incident was a referral from the county health district and WSDA. The 56-year-old male indicated that the application occurred in the morning for two hours. He was standing 60 meters away from the applicator and tried to talk to the applicator, but was concerned about the toxicity of the product. He could smell the spray and developed respiratory symptoms. The 36-year-old female developed a cough and no other symptoms. None of the residents sought medical attention; and according to the fist complainant the smell dissipated the same day. WSDA concluded that precautions were taken to avoid drift and label directives were followed. However, during their Worker Protection Standards (WOS) inspection a number of items were cited that included lack of applicator training. All of the citations were related to the orchard's own WPS program. None of the citations related to the repellent application.	1	Capsaicin (in oleoresin o
130109	A previously healthy 80-year-old man was picking up a bag of Nexter Miticide / Insecticide for use on the yard at his home. The bag burst and some powered went into his left eye. He experienced eye symptoms and swelling of the skin around the eye. He rinsed his eye for 15 to 20 minutes following exposure and sought medical care the next day. A visible burn was noted on an eye exam and he was referred to an ophthalmologist for follow-up care. Most symptoms resided three days later; however, some lingering eye irritation was noted.	1	Pyridaben
130110	A 63-year-old male experienced eye symptoms, general body aches, and felt ill immediately after spraying an insecticide for hornets outside of his house. Wind blew the spray into his eyes following the application. He sought health care the two days after the event where he was diagnosed with chemical exposure to the eyes. The patient was still experiencing eye symptoms at the time of the interview two days after the incident.	1	Cypermethrin Prallethrin
130112	A 51-year-old male developed a rash over his entire body while applying pesticide to small plants at a	1	Imidacloprid

	berry farm. The rash did not subside and he sought medical care a week after exposure. He reports that he just sprayed for one day, and that he usually drives a truck. He is not a licensed pesticide applicator. He was wearing a respirator and protective suite at the time. Investigators were not able to interview him and pulled information from medical records and Workers Compensation Claim data.		
130114	A 64-year-old woman provides yard work at private homes. She reported that a private pest control company over-sprayed plumb trees and vegetables on a half acre plot of property at a client's home. She reports that the PCP used a product called "Czymix," which contains lambda-cyhalothrin, to control for spiders on the fruit trees and vegetables grown on the property. On the day following application, she weeded in the property by hand. Within 45 minutes she reports experiencing neurologic symptoms, which lasted about two days. She reported that her son was mowing and pruning on the same plot of land a week after application and could smell the odor of pesticide. Her main concern is the safety of consuming the tree fruit and vegetables that are grown on the property. This case was referred to WSDA.	1	lambda-Cyhalothrin
130115	A 3-year-old female experienced eye irritation symptoms immediately after her sister accidentally squirted her in the eyes with a flea treatment product intended for cats. She was taken to a health care facility the same day where she was diagnosed with and treated for corneal abrasion. Symptoms were mostly resolved at the time of the interview five days after the incident.	1	Pyriproxyfen Imidacloprid
130116	A 57-year-old female developed eye irritation. She touched leaky packaging of an insecticide she'd just purchased. It had no odor. She inadvertently touched eyes after. She sought medical care after her eyes worsened instead of improving.	1	Bifenthrin Zeta-Cypermethrin
130118	Three nursery workers reported drift from an herbicide application less than 100 yards from where they worked separating cabbage plants. They reported neurological and gastrointestinal symptoms. One employee sought medical care for eye irritation. DOSH conducted a worksite inspection and DOH accompanied them to interview the workers involved.	3	Butoxyethyl 2,4-dichlorop Butoxyethyl triclopyr
130119	A 41-year-old male pesticide applicator was spraying fruit orchard grass with two herbicides. One of the herbicides in the tank mix was paraquat, a desiccant-defoliant herbicide that is known to cause substantial eye injury. A branch hit the spray tank hose dislodging it and the tank mixture hit his left eye. He sought medical care one day later. He did not miss any days from work, but experienced pain for approximately one week. He had more than two objective signs of exposure at the hospital. He was wearing safety glasses, and still was exposed to the chemical.	1	Paraquat dichloride Simazine
130120	A 52-year-old male maintenance manager at a fruit packing plant experienced eye irritation symptoms immediately after a pump hose he was handling came apart while under pressure and sprayed him in his face and eyes with a corrosive fungicide product. He was not wearing the required chemical goggles or	1	Hydrogen peroxide Peroxyacetic acid

	other PPE at the time. He was taken to a health care facility following the incident where he was diagnosed with and treated for chemical burns and chemical conjunctivitis. Symptoms were mostly resolved within a few days although he had numerous health care provider follow-up visits over the subsequent five weeks.		
130123	A 26-year-old male farm worker was working in a vineyard when he noticed an air-blaster spraying the field 20 meters away from him. He did not feel the mist but smelled the spray. He later worked in the areas the applicator just sprayed. He developed gastrointestinal and neurological symptoms and sought medical care the same day. Spray records provided by the employer indicated the application was made with the active ingredient acetamiprid.	1	Alcohols, C11-15-secondar Acetamiprid
130129	A 34-year-old male fruit warehouse employee was using a sanitizer to disinfect the floors of a controlled atmosphere room. He got a drop of the diluted product in his left eye while spraying it. He decontaminated and sought medical care one hour later. He did not use eye protection equipment while he was working as he forgot to use his safety glasses. The sanitizer is labeled as corrosive and goggles, face shield and rubber gloves are required when handling it.	1	Hydrogen peroxide Peroxyacetic acid
130130	A 44-year-old male maintenance worker wore safety glasses as he sprayed a wasp's nest at work. A breeze blew it back at him and the insecticide dripped in his eye. He immediately rinsed his eye with a hose and sought medical attention.	1	None
130131	A 42-year-old male hop ranch mechanic worked on pesticide application equipment. He removed a part of the sprayer and saw a white dust in the air. He did not develop symptoms at the time, but sometime later developed upper respiratory and gastrointestinal symptoms. He thought it was a cold and took some cold remedies, but his symptoms continued. He sought medical treatment 23 days later and was seen for follow-up six days later. It was determined his condition was not severe enough to cause the worker to miss work. He was not informed of the chemicals applied and what PPE required to work with contaminated spray equipment.	1	Pyraclostrobin Abamectin boscalid Myclobutanil Trifloxystrobin Spirotetramat
130132	A 34-year-old female experienced conjunctivitis and other eye irritation symptoms after spraying her ceiling with a pyrethroid insecticide product for spiders. A fan that was running at the time blew some of the product back into her eyes. She was not wearing eye protection. She was seen numerous times at two different health care facilities over the subsequent two weeks where she was treated for acute conjunctivitis. At the time of the interview two weeks after the incident, she was still experiencing eye redness.	1	Deltamethrin
130133	A 42-year-old female experienced eye irritation symptoms after a drop of a copper-based fungicide she was applying to a wood bulkhead with a paintbrush splashed into her left eye. Symptoms occurred immediately and resolved the following day. She was not wearing the required eye and respiratory	1	Oxine-copper

	protection at the time of the incident. She was seen and treated at an Hospital later the same day where she was diagnosed with chemical exposure to the eye and corneal abrasion.		
130134	A 31-year-old female sprayed and fogged her bedroom with a pyrethroid spray. She returned about four days later to sleep all night. She awoke the next morning with gastrointestinal symptoms.	1	Pyrethroid
130136	A 31-year-old male home owner took paraquat dichloride from work to his home. He was not certified as an applicator. He mixed the product in a trigger pump hand-held sprayer and while applying it he felt throat irritation. He was not able to go to sleep and sought medical treatment two hours later. He was anxious and hypertensive. He did not wear a particulate respirator in accordance with the requirements of the label. He also applied the product without being a licensed applicator as required by the labeling. DOH talked with him about the seriousness of the application and sent a letter to him informing him of the toxicity and restrictions for use of this particular herbicide.	1	Paraquat dichloride
130137	A 65-year-old female with a previous eczema condition experienced severe dermal symptoms on her arms and hands after washing her dog in the sink using a concentrated permethrin-based insecticide. She sought health care following the incident where she was diagnosed and treated for contact dermatitis and pruritic rash. At the time of the interview one month after the incident, she was still experiencing dermal symptoms. She was not wearing chemical-resistant gloves during the application per the manufacturer's recommendations.	1	Permethrin, mixed cis,tra
130139	A 49-year-old unemployed adult male experienced respiratory symptoms after wind blew the herbicide he was using back into his face as he was spraying blackberry bushes on his property. He was not wearing the required PPE during the application. He sought health care a week after the incident. His symptoms lasted about a week.	1	2,4-D, alkanolamine salt Naphthalene Triclopyr
130140	A 55-year-old male maintenance supervisor at a health clinic was spraying for wasps underneath the eaves of the building where he worked when wind blew some of the insecticide product back into his face. He was wearing sunglasses at the time, but some of the spray got into his eyes. The MSDS states no PPE is required. He experienced ocular irritation and burning and was seen and treated the same day at the health center where he works. He was diagnosed with conjunctivitis.	1	Permethrin, mixed cis,tra Petrolatum
130141	A 44-year-old female was talking with her landlord outside on a stairwell. When the landlord sat down, he accidentally sat on the trigger of an insecticide spray wand that splashed the woman in the eyes. She went to her apartment and showered immediately. Her eyes burned so she went to the ER.	1	Esfenvalerate
130144	A 44-year-old female experienced swollen lips and eyes and hives on her face and body the morning after a licensed PCO applied insecticide around windows, doors, and skylights inside her condo. Her symptoms lasted for about three days. The exposure is suspected to have occurred when she came into contact with	1	Deltamethrin

	insecticide dust that had fallen from the treated skylights onto her bedding. She sought health care and her symptoms resolved within four days following exposure. WSDA investigated and issued a Notice of Correction to the Pest Control Company for failing to apply the insecticide in a manner as to avoid it from falling on exposed surfaces or introducing the material into the air in a manner as to cause injury to humans.		
130145	A 33-year-old pregnant female developed respiratory irritation and gastrointestinal health effects after her apartment neighbors used a fogger.	1	None
130146	A 30-year-old female fast food restaurant employee sprayed an insecticide inside the kitchen to get rid of flies. She sprayed approximately one eighth of an aerosol can intermittently for two hours. She walked through the mist and inhaled the spray inadvertently. She did not decontaminate or changed her clothes after being exposed. Within two hour she experienced uppers respiratory irritation and dizziness. When she arrived home eight hours later, her clothes still smelled like insecticide. She changed her clothes and showered. The next day she developed some gastrointestinal and neurological symptoms. She did not seek medical treatment.	1	d-trans-Allethrin Resmethrin
130148	A 26-year-old male farm worker developed skin irritation symptoms after pulling weeds by hand in an area that was recently sprayed with an herbicide and an adjuvant. He could smell the pesticide while pulling the weeds. He started to have some dermal symptoms right after pulling the weeds, but did not seek medical care until seven days slater, as he reported that his symptoms spread to other parts of this body. Spray records provided by his employer indicated that the herbicide was sprayed approximately 24 hours before he entered the field. He did not wear gloves and was using his bare hands. The REI was observed, as the pesticide had a 12 hour REI, but he still developed symptoms.	1	Glufosinate
130150	A 43-year-old male fruit juice processing plant worker developed respiratory symptoms after he inhaled vapors from a sanitizer. The sanitizer's active ingredient is phosphoric acid. He worked for four days in the area while other workers used the product and developed trouble breathing and decided to seek medical treatment. The product Material Safety Data Sheet (MSDS) clearly indicated respiratory symptoms are expected from breathing it in.	1	Phosphoric acid
130153	While treating her hair for lice, a 38-year-old female developed corneal abrasion and chemical conjunctivitis after getting some of the lice shampoo in her eyes. She was seen and treated by an ophthalmologist over a three month period. The patient declined to be interviewed so no other details about the incident are known.	1	Piperonyl butoxide Pyrethrins
130155	A 2-year-old male came into his home from the garage unsupervised and vomited twice, crying that his throat hurt. His mother saw a cup of full-strength algaecide in the garage and took her son to a hospital	1	Alkyl* dimethyl benzyl am Alkyl* dimethyl ethylbenz



	emergency department.		Alkyl* dimethyl ethylbenz
130159	A 39-year-old female used two foggers in her apartment and developed gastrointestinal and neurological symptoms after she returned home, four hours later. She went to the hospital emergency department.	1	None
130160	A 47-year-old male experienced respiratory and neurological symptoms shortly after returning home two hours after two foggers had been set off in the house. He left the house shortly afterwards and sought health care the following day. Attempts to contact the patient for an interview were unsuccessful, so no other details about the incident are available.	1	Tetramethrin Cypermethrin
130161	A 2-year-old female developed corneal abrasion after lice shampoo dripped in her eyes. Flushing her eyes afterward was difficult because she wouldn't open them. Her eyes were swollen shut the next morning so she went to the hospital emergency department.	1	Piperonyl butoxide Pyrethrum
130162	A 55-year-old female with a history of asthma entered a room that was actively being fogged for fleas. Within minutes after entering the room, she experienced respiratory and gastrointestinal symptoms. She sought health care the following day where she was treated and diagnosed with chemical pneumonitis.	1	N-Octyl bicycloheptene di Piperonyl butoxide Pyrethrins Pyrethrin I Esfenvalerate Pyriproxyfen
130164	A 40-year-old male pesticide applicator in an apple orchard developed respiratory, dermal, and neurological and some gastrointestinal symptoms while spraying a plant growth regulator. He reported having initial upper respiratory symptoms. He sought medical care the same day. He tried to wear a respirator after his initial symptoms. The label of the product does not require the use of a respirator. The worker complied with label requirements and still developed symptoms.	1	Potassium 1-naphthaleneac
130165	A 44-year-old female hospital patient registrar developed neurological and respiratory health effects when she worked at her desk. An insecticidal gel had just been applied underneath the desk for roaches. She went to the hospital emergency department.	1	Abamectin
130166	A 28-year-old female developed ocular edema and conjunctivitis after rubbing her eye while she was treating her puppy for lice with a topical lice killing product. She sought health care following the incident where she was treated and released the same day. Her symptoms lasted three days.	1	Dinotefuran Permethrin, mixed cis,tra Pyriproxyfen
130167	A 37-year-old male utility locator for a city municipality worked at a sewage lift station when he developed gastrointestinal and respiratory health effects. Herbicide granules had just been applied before he started working at the site, and they had not been watered in. He went to the ER.	1	Dichlobenil

130168	A 45-year-old male school district groundskeeper who is a licensed pest control operator used a power sprayer on one day and a backpack sprayer two days later to apply an herbicidal soap for moss control at a school playground. On both occasions, some of the product blew back into his face. He experienced symptoms after both events, but the symptoms were worse after the second event. His symptoms were ocular and neurological. He did not seek health care or file a worker's comp. claim for either incident. He was not wearing the appropriate protective eyewear during the applications.	1	Ammonium salts of C8-18 a
130169	A 44-year-old male farmworker developed skin irritation after working with blackberries sprayed previously. He sought medical attention.	1	Fludioxonil Zeta-Cypermethrin Cyprodinil
130170	A 36-year-old male licensed pesticide applicator was loading metam sodium fumigant into a container when he was hit on his face with the product. The hose used to load the product broke spilling the chemical on his face. He also felt he ingested the chemical too. He sought medical treatment minutes later at an ER. He reported irritation on the upper respiratory tract and eyes. He was not wearing the required eye and respiratory protection to load the chemical.	1	Metam-sodium
130171	A 60-year-old female with pre-existing respiratory conditions living in a multi-unit housing complex reported gastrointestinal, neurological, and respiratory symptoms after her unit was treated for bed bugs. Her symptoms lasted two days. She did not seek health care for this event. Additional insecticide applications were made inside her unit and other units in her complex by licensed and unlicensed applicators over an 8-month period. The resident also had applied an insecticide spray inside her unit. WSDA investigated and found no application/label violations, but notified one of the product manufacturers (Cedarsiders) in Texas for distribution into Washington state of an unregistered pesticide product.	1	Cedarwood oil Silicon dioxide beta-cyfluthrin Prallethrin gamma-cyhalothrin lambda-Cyhalothrin Chlorfenapyr Imidacloprid
130174	A 13-month-old male developed a facial twitch near his eyes that was observed within 48 hours after a pyrethroid aerosol was sprayed in the playroom and other non-bedroom areas of his home for an ant problem. Additionally, different pesticides were applied indoors and outdoors beginning four days prior to symptom onset. Neither his older sibling nor his parents reported any health effects. The 13-month-old was taken to the doctor and a urine test for pyrethroid metabolites showed elevated levels of two metabolites generated from cypermethrin (trans-DCCA metabolite was >95th percentile for children in Washington). The areas sprayed were cleaned and use of the spray was discontinued. A follow-up urine sample collected seven weeks after the first sample indicated an eight-fold decrease in the trans-DCCA metabolite. The facial twitching ceased after the initial episode, which lasted approximately a week.	1	Piperonyl butoxide Pyrethrins Silica gel Limonene Bifenthrin Zeta-Cypermethrin Chlorfenapyr Imidacloprid d-Limonene

130175	While diluting a biological insecticide in water, a drop of the insecticide splashed into a 33-year-old male worker's eye. The product also contains petroleum distillates. He rinsed his eye for three to five minutes following the incident, but still experienced eye irritation. The patient did not seek health care and could not be interviewed, so no other details about the incident are available.	1	Beauveria bassiana GHA
130176	A 20-month-old male coughed and vomited after he and his parent entered a home that had been fogged. Emergency medical personnel were called and the boy was doing better after the 3-4 minute exposure.	1	N-Octyl bicycloheptene di Piperonyl butoxide Pyrethrins Esfenvalerate Pyriproxyfen
130177	A 15-year-old boy developed dizziness and gastrointestinal health effects the morning after sleeping in his room that had several mothballs placed under the bed. His parent placed several mothballs in each room to prevent fleas as instructed by an internet site. He was seen in a clinic and the mothballs were removed and the home ventilated.	1	Naphthalene
130178	A 39-year-old male was using a liquid botanical herbicide product to kill weeds in his yard. Pressure built up in the sprayer preventing it from working, so he opened it up to fix it causing some of the liquid to blow back into his face and eyes. He was not wearing any PPE at the time, but showered and rinsed his eyes immediately afterwards. His eyes became irritated and he developed nausea. His symptoms lasted about two hours. He sought health care the same day, following the incident.	1	Citric acid Clove, Crushed
130179	A 63-year-old male pesticide applicator developed an allergic skin reaction after he treated an apartment with cedar oil to control bed bugs. He had been a PCO for more than 10 years and never used cedar oil previously. He did not remember a specific exposure while spraying the product, except for smelling its vapors. He later developed itching all over his body and sought medical treatment the same day. He used a tyvek suit with rubber gloves and a cap while spraying. This was the first time he experienced such symptoms.	1	Cedar leaf oil
130180	A 52-year-old carpenter was working at a job site, and identified mold on the interior attic ceiling of a wood frame building. He sprayed 30 second outdoor cleaner on moldy wood, to remove mold. He wore full respirator protection over his nose and mouth, but had no eye protection. Product mist got into his eyes as he directed the stream upwards to ceiling. He experienced immediate pain and other eye irritation symptoms. He flushed his eyes with tap water, and due to continuing eye symptoms, sought health care that day.	1	Sodium hypochlorite Trisodium phosphate

130181	A 39-year-old female in the first trimester of pregnancy developed a severe headache and gastrointestinal health effects after she inhaled an insecticide dust that puffed in her face upon removing the lid. She went to the hospital emergency department.	1	Boric acid
130183	A 33-year-old female was activating bug bombs in her home and began coughing very hard after inhaling some insecticide as she hurried outside. She reported gastrointestinal symptoms and chest pain. She went to the hospital emergency department.	1	None
130184	A 48-year-old male forklift operator at a hay storage facility was asked to store his forklift at a facility used to store containers of hay. The containers were stored and fumigated with phosphine tablets. The worker entered the facility and approximately three minutes later, started to have respiratory, gastrointestinal, and neurological symptoms. He sought medical care the same day.	1	Phosphine
130185	A 40-year-old male licensed fumigant applicator developed cardiovascular, respiratory, neurological, and eye irritation symptoms after he applied two different fumigants to a potato field to prepare the soil for planting. He used the required respiratory protection to load the fumigants into the shank or injection system. However, he did not use the respirator while driving the tractor and applying the fumigants. He went to a hospital emergency department eight hours later after feeling respiratory pain. Cardiovascular effects were confirmed by electrocardiogram.	1	1,3-Dichloropropene Metam-sodium
130186	A 21-year-old male roofing company employee was using a backpack sprayer to apply a zinc sulfate product on a customer's roof for moss control. The backpack sprayer was leaking during the application. Shortly after finishing the job, the employee noticed pain and itching on his buttocks. He went to a hospital emergency department a few hours later where he was observed to have erythematous patches across his lower back and a chemical burn on his buttocks. His symptoms lasted for at least two weeks.	1	Zinc sulfate monohydrate
130188	A 65-year-old female with a history of COPD and chemical sensitivities, developed respiratory and neurological symptoms after she noticed that an herbicide application was made adjacent to her property. This case was referred to WSDA and they collected soil and vegetation samples on her property and at the park located next to her.	1	XDE-750 Potassium salt Dicamba 2,4-D, alkanolamine salt Glycine, N-(phosphonometh Triclopyr Metsulfuron-methyl
130189	A 30-year-old male employee of a water irrigation district was in training as a fumigant applicator when he was exposed to vapors of acrolein from a faulty application set-up connection. The leak occurred where the application hose connects to the tower of the acrolein tank. Teflon tape was not used to secure a good connection between the application hose and the tank. Teflon tape is required for all fittings in the application set-up. The fitting leaked and the worker, who was wearing a previously used full face mask	1	Acrolein

	<p>with a canister filter, smelled the acrolein causing him to feel neurological symptoms at the time. He sought medical care the same day. Ten days later, he sought medical treatment again for ocular and respiratory symptoms and signs. Twenty-six days after exposure he saw an occupational &amp; environmental medicine specialist, due to continuing respiratory symptoms. L&amp;I investigated this incident and issued six serious citations with penalties.</p>		
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