



Washington State Department of Health
 Pesticide Illness Surveillance
 All Event Summaries (2017)

SPIDER Export December 19, 2018

Event	Event Narrative	#	Pesticide Product(s) (EPA Reg. Number)	Active Ingredient(s)
170003	An 18-year-old male laborer for a general contractor was spraying a fence with two mold removal products in a backpack sprayer that leaked. He developed chemical burns on his back and legs. He sought medical care at a local hospital emergency department (ED).	1	WET & FORGET MOSS MOLD MILDEW & ALGAE STAIN REMOVER (084115-00001)	Alkyl* dimethyl benzyl ammonium chloride Sodium hypochlorite Trisodium phosphate
170007	A 31-year-old female, her 43-year-old husband, and their 5-year-old daughter developed respiratory, gastrointestinal, neurological, cardiac, and dermal symptoms after re-entering their apartment about six hours after it was treated for bed bugs by a licensed pesticide applicator. Three different insecticides were used in multiple locations throughout the apartment. The husband and daughter sought medical attention the following day. The daughter was seen for ongoing health issues several more times in the subsequent two weeks. They moved out of their apartment for a month, immediately following the application. Their apartment had also been treated the previous summer and fall by two other licensed pest control companies, months before the family moved in. The Washington State Department of Agriculture (WSDA) investigated, and collected pesticide residue samples. The samples were positive for one of the active ingredients used during the most recent pesticide application. WSDA issued the company a Notice of Correction for misapplication of a pesticide and other violations.	3	TEMPRID SC INSECTICIDE (000432-01483) TC 249 (000499-00527) TC 267 (000499-00531)	Dinotefuran Silicon dioxide beta-cyfluthrin Imidacloprid
170011	A 27-year-old female working in a fruit processing plant reached down to pick-up a trigger-pump spray bottle containing diluted bleach when it accidentally sprayed her right eye. She was brought by her supervisor to an ED two hours later and was treated for ocular chemical burn. She was discharged the same day.	1	None	Sodium hypochlorite
170012	A 22-year-old female veterinary assistant was accidentally hit on the face, nose and eyes with a sanitizing solution containing ammonium chloride. The incident occurred as she picked-up a trigger pump spray bottle by the nozzle. The nozzle was not properly secured to the bottle. The bottle fell on the ground sending the solution up to her face after it hit the floor. She immediately developed eye and	1	ROCCAL D-PLUS (065020-00012)	Alkyl* dimethyl benzyl ammonium chloride Didecyl dimethyl ammonium chloride Bis(tributyltin) oxide

	sinus irritation. She used the eyewash available to her at work to rinse her eyes and face. She sought medical treatment at an ED one hour after the incident. She returned to work after exam.			
170014	An adult female at a nursing facility developed full body hives and facial swelling the day after insecticidal cream was applied to her for scabies. She was taken to the ED initially and sought medical care a month later for the persistent dermatitis.	1	None	Permethrin, mixed cis,trans
170017	An 86-year-old woman with cardiac and other health problems developed respiratory, neurological, cardiac, and ocular symptoms after spraying an ant & roach killer containing two pyrethroid compounds underneath a sink in her residence. This occurred on two separate occasions over a one week period. Onset time was immediate. She was reported to have worn some type of protective mask, but it wasn't sealed adequately around her face. An ambulance arrived, then transported her to an area hospital.	1	CHEMSICO AEROSOL INSECTICIDE LI (009688-00246)	Imiprothrin lambda-Cyhalothrin
170018	A 48-year-old female and 54-year-old male developed number of respiratory and ocular symptoms after exposure to pesticides from an unspecified bug-bomb that drifted from the apartment above them into their basement apartment. They also applied an itch relief spray to their dog, who slept with them in their bed. Approximately 6 hours after going to bed he couple developed symptoms while they were trying to sleep. The male has a history of chronic respiratory illness and sought medical care two nights after the exposures.	2	Bug Bomb Unspecified	Pyrethroid/Pyrethrin Propylene glycol
170019	A 41-year-old female restaurant manager was working in the kitchen when a co-worker suddenly spilled a can of bleach cleanser next to her. Minutes later the same worker accidentally triggered an aerosol insecticide spray. She could smell the insecticide odor in the kitchen. Four hours later she sought medical treatment after developing some irritation and metallic taste in the mouth. She was examined and discharged home after the examination.	1	COMET (001839-00051) CB-80 INSECTICIDE (009444-00096)	Piperonyl butoxide Pyrethrins Alkyl* dimethyl benzyl ammonium chloride Alkyl* dimethyl ethylbenzyl ammonium chloride
170022	A toddler was found by his father handling and was suspected of gumming a fipronyl containing ant bait station. He developed gastro-intestinal symptoms, which lasted for four days, though reduced in intensity by the 4th day, when his parents took him to the doctor.	1	COMBAT ANT BAIT F1 (064240-00030)	Fipronil
170023	A 21-year-old female dietary aide at a retirement home developed respiratory, skin and eye irritation as she worked near an area where insecticide was sprayed for ants. The employee has a history of asthma. The product is registered for residential use. It was used on a floor and wall area which she passed by repeatedly. She went to the ED.	1	BETA-CYFLUTHRIN 0.05% ANT & ROACH KILLER PUMP SPRAY (072155-00027)	beta-cyfluthrin
170024	A 31-year-old male temporary employee for over six months in the sanitation department of a vegetable processing facility was burned in both eyes with disinfectant that spewed from a loose hose with no shut-off valve. At the beginning of his eight hour shift, the hose came loose from his grip as he was	1	BOOST 3200 (063761-00008)	Hydrogen peroxide Alkyl* dimethyl ethylbenzyl ammonium chloride

	positioned on a ladder and the pressure sprayed off his face mask. He could not see initially and rinsed eyes at the eyewash station. He postponed seeking medical attention until the end of his workday. In 2016, a 24-year-old male sanitation worker for the same company also developed corneal burn from similar disinfectants, when a hose kinked and burst. He wore safety goggles. DOSH was notified.			Potassium carbonate Sodium carbonate
170025	A 79-year-old woman sought medical care after exposure to insecticide. She reports that her home was treated with foggers. Following her return, she picked-up an apparently spent fogger to throw it in the garbage and the remaining insecticide in it discharged into her face. She experienced respiratory and dermal effects. She was monitored and released from ED after vitals returned to normal ranges.	1	None	unspecified RAID pyrethroid fogger
170031	A 45-year-old housekeeper at a nursing home got bleach in her eye when she was spraying it on a bathroom sink. She sought medical attention.	1	None	Sodium hypochlorite
170032	A 38-year-old female caregiver working in a nursing home picked-up a bottle of cleaner disinfectant by the nozzle and it was open so the bottle fell and hit the ground and splashed back the spray on her face, nose and eyes. She was taken to the eye wash by a co-worker but the pressure of the eyewash water was too strong and she could not properly wash her eyes. She sought medical treatment the same day and was discharged after examination. Her employer did not provide eye protection to handle the chemical. This incident was referred to the Washington Department of Labor and Industries (L&I).	1	CLOROX COMMERCIAL SOLUTIONS CLOROX CLEAN-UP (005813-00021)	Sodium hypochlorite
170033	Five female farmworkers ages 33 to 45 were placing pheromone tablets at an apple orchard. They started to work approximately at 7:00AM and were working adjacent of another apple orchard owned by the same company. The neighboring orchard was being sprayed by air-blast with lime sulfur solution. The wind blew toward the workers. Workers did not see the applicators, however, they could smell the distinct rotten egg smell of sulfur. They were moved to another block. There, lime sulfur solution was being applied just across a narrow road on the adjacent block. In this location, the workers indicated seeing the air-blasters at distances of 20, 50, and 100 feet away from them. Both the workers and the applicators were moving toward each other when the application stopped after the workers developed gastrointestinal, neurological and some upper respiratory irritation. According to some workers, the crew leader tried to contact the foreman but he was not available. DOH referred this incident to L&I for compliance inspection.	5	REX LIME SULFUR SOLUTION (071096-00006)	Calcium polysulfide
170034	A 51-year-old female developed ocular symptoms after using lice shampoo. She reported she fell asleep after she used the shampoo and woke-up with ocular pain in both eyes. She was not sure if she rinsed her hair thoroughly after she used the shampoo. She sought medical care the next day and continued to have symptoms.	1	None	Piperonyl butoxide Pyrethrum

	Three days later she continued to have symptoms and sought medical attention again. Twenty six days later still had signs of exposure to the lice shampoo.		
170038	A 24-year-old male farm worker was placing pheromone strips on an apple orchard. He noticed an air-blast applicator spraying the neighboring orchard and his crew decided to move away from the area. He reported smelling the spray for approximately 10 minutes before he moved. While moving out, the worker was exposed to drift of a tank mix containing chlorpyrifos and mineral oil being applied about 230 feet away. He developed neurological symptoms and was asked to change clothes and decontaminate. The Washington Department of Agriculture collected samples in the area the worker was located and analyzed also his clothing to determine if his clothes contained residues of the sprays applied. The laboratory tests of the clothing confirmed the presence of chlorpyrifos and mineral oil. The orchard is located between two weather stations and readings from one of the stations supported the above referenced drift event scenario.	1	OMNI SUPREME SPRAY (005905-00368) VULCAN (066222-00233) Chlorpyrifos Mineral oil Aliphatic petroleum solvent
170039	A 49-year-old male hop field pesticide applicator applied a tank-mix with two herbicides; and while spraying, he inhaled vapors from the application. He developed some neurological and gastrointestinal symptoms and sought medical attention the next day. One of the products he applied required the use of a respirator with a dust removing filter. One of the herbicides contained naphthalene and aromatic hydrocarbons in formulation. A dust filter will not prevent the passage of these organic vapors from entering the respiratory tract. He was examined and discharged after the examination.	1	AIM EC (000279-03241) PARAZONE 3SL (066222-00130) Paraquat dichloride Carfentrazone-ethyl
170040	A 35-year-old male orchard pesticide applicator developed a number of neurological and gastrointestinal symptoms after spraying a fungicide, and insecticide in tank mix with an insect growth regulator. The insecticide he applied contained a number of aromatic hydrocarbon inert ingredients. The label of this product require the use of a dust-mist filtering respirator. He wore a respirator and still could smell the vapors from the application. He sought medical treatment two days later and was discharged after the examination. A vapor removing respirator filter was not required in the label of the product. He wore the require PPE and still developed symptoms.	1	ESTEEM 35 WP INSECT GROWTH REGULATOR (059639-00115) Pyriproxyfen Chlorpyrifos Mineral oil Trifloxystrobin
170042	A 47-year-old male farmworker developed a rash on his face. The rash was near the edge of the partial mask he wore, which covers his moustache. He sought medical attention.	1	PN ALL SEASON SPRAY OIL (002935- 00546) BLUE SHIELD WP (045002-00007) Copper hydroxide Mineral oil Aliphatic petroleum solvent
170043	Two female farmworkers ages 32 and 38 were painting posts when tractors from the same orchard sprayed them with lime sulfur. There were tractors burning material nearby and it was very noisy. The foreman for the sprayers didn't notify them. Both workers developed headaches. They developed eye and respiratory irritation. Both sought medical attention.	2	REX LIME SULPHUR SOLUTION (071096- 00006) Calcium polysulfide

170044	A 57-year-old woman reported that she splashed disinfectant into her right eye while she was at work as an aid at a nursing care facility. She continued to work although her eye became more painful and reached the point where she could no longer open it. She reports that she had no problem with her eye before splashing the disinfectant into it. She sought care and was referred to specialists for continuing neurologic and ocular symptoms.	1	None	Sodium hypochlorite Unspecified bleach
170045	A 22-year-old male unlicensed applicator was spraying an apple orchard with the same tank mix he'd sprayed for four consecutive days prior. He wore full PPE including a respirator with 40-hour filters. He had just started spraying and didn't smell anything when he began to feel ill with neurologic and gastrointestinal symptoms. He notified his supervisor, who reviewed the pesticides and took him to the clinic.	1	BFR 440 SUPREME SPRAY OIL (007001-07781) GOVERN 4E INSECTICIDE (062719-00220) SUPER SIX LIQUID SULFUR (065343-00001)	Chlorpyrifos Mineral oil Sulfur
170048	A 42-year-old male unlicensed applicator was cleaning the machinery during a break from applying. He felt an itch on his face and scratched it without removing his chemical resistant gloves. He felt the liquid chemical on his skin. He sought medical attention.	1	DUPONT FONTELIS FUNGICIDE (000352-00834) SUPER SIX LIQUID SULFUR (065343-00001)	Sulfur Penthiopyrad
170049	A 39-year-old male applied a tank mix of herbicides to a hop field with a low-boom sprayer on a tractor. He wore his safety glasses to mix the products. However, he did take them off while he sprayed the herbicides. During the application, he felt mist hit his left eye. He continued spraying and did not decontaminate at the time. He washed his eye with water three hours later. He sought medical treatment the next day. The label of one of the products he used requires the use of eye protection for mixers and applicators.	1	None	2,4-D, alkanolamine salt Primisulfuron-methyl Prosulfuron
170050	A 21-year-old female irrigation district worker was driving through a ditch when she smelled and tasted drift from an air blast application to an apple orchard on the other side of the road. She developed respiratory pain and was taken to the clinic. Some samples collected by WSDA from the ditch are positive for the pesticides applied to the orchard.	1	OMNI SUPREME SPRAY INSECTICIDE MITICIDE (005905-00368) ESTEEM 35 WP INSECT GROWTH REGULATOR (059639-00115) VULCAN (066222-00233)	Chlorpyrifos Mineral oil Aliphatic petroleum solvent Pyriproxyfen
170051	A 2-year-old brushed her teeth with lice shampoo and vomited an hour later. She was taken to the ED.	1	None	Piperonyl butoxide Pyrethrum
170056	A 43-year-old male pear orchard pesticide applicator developed a number of ocular symptoms he experienced after he felt mist while spraying two insecticides with surfactants. He used air-blast sprayer to apply the products. As he drove the tractor up a hill, the spray mist went under his safety glasses hitting his eyes. He did not wash his eyes at the time and continued working until he finished his shift 1.5 hours later. The next day he sought medical attention after he continued to have pain and inflammation in both eyes. The label of one of the products requires the use of eye protection; and one of the adjuvants contained phosphoric acid.	1	ASSAIL 70WP INSECTICIDE (008033-00023) NEXTER MITICIDE/INSECTICIDE (081880-00004)	Acetamiprid Pyridaben Phosphoric acid, disodium salt, dihydrate

170057	A couple ages 31 and 56 reported headaches and upper respiratory symptoms after an application of herbicides was conducted inside the residential community where their home is located. They did not seek medical attention. The application consisted of two herbicides consisting of 2, 4-D and glyphosate applied by a low-boom sprayer mounted on a tractor at a distance of approximately 550 feet away from the home. One family member reported smelling odors from the application while the other did not. WSDA investigated the incident and determined that the applicator was not licensed and did not maintain application records. A civil penalty was issued by WSDA for not having a license.	1	2,4-D AMINE 4 (042750-00019) HI-YIELD SUPER CONCENTRATE KILL ZALL III (074530-00043)	Dimethylamine 2,4-dichlorophenoxyacetate Glyphosate-isopropylammonium
170058	A 48-year-old male was spraying weeds on his property with a backpack sprayer. He thought he was sweaty, but when he took off the sprayer, he saw that it had leaked on his back. The mix had blue dye. His skin was blue. He developed skin irritation and headache. He also reported chest pain. He consulted WA Poison Center (WAPC) and didn't seek medical attention.	1	2,4-D AMINE 4 (042750-00019)	Dimethylamine 2,4-dichlorophenoxyacetate
170059	A family of six, consisting of a 39-year-old female and her 48-year-old husband, two sons ages nine and four, and two daughters ages one and seven reported ocular, respiratory and gastrointestinal symptoms after multiple applications of a pesticide mixture were sprayed on an apple orchard adjacent to their property. The applications occurred over a two days for approximately five and seven hours each day. The mixture consisted of two insecticides, two fungicides, a fertilizer, and an adjuvant. An air-blast sprayer was used to apply the pesticides. WSDA investigated and collected foliage and swab samples from the property to determine if pesticides drifted onto the property. Residues of three of the product's active ingredients were detected on the family's property. One family member detected odors at the time of application. This family member developed symptoms consistent with the toxicity of the pesticides applied.	1	GOLDEN-DEW (002935-00407) PN ALL SEASON SPRAY OIL (002935-00546) GOVERN 4E INSECTICIDE (062719-00220) TOPGUARD FUNGICIDE (067760-00075)	Chlorpyrifos Mineral oil Aliphatic petroleum solvent Sulfur Flutriafol
170061	A 37-year-old male cherry orchard worker was placing nets to protect cherry trees when he noticed an air-blast application in the same block he was working. The applicator was not supposed to be spraying the same block where he was working. He signaled to the applicator to stop spraying, but the applicator continued. The spray hit his face and he inhaled the mist. He developed respiratory and neurological symptoms within 30 minutes after he was hit with the spray. He did not decontaminate after exposure. He sought medical treatment at a clinic the next day.	1	SONATA ASO (000264-01153) KUMULUS DF (051036-00352)	Bacillus pumilus strain QST Sulfur
170062	A 50-year-old male orchard irrigator got sprayed in the face by an unlicensed applicator as he drove through an apple orchard on his 4-wheeler. He developed dermal irritation on his face and went to the ED. He reported no other health effects.	1	REX LIME SULFUR SOLUTION (071096-00006)	Calcium polysulfide Calcium polysulfide
170064	A 39-year-old male pesticide applicator sprayed an apple orchard with an air-blaster. He used lime sulfur solution. He reported getting hit with the spray on his	1	None	Calcium polysulfide

	neck. He continue spraying and 30 minutes later he developed burning and pain. He sought medical treatment three hours later and was treated tropically for irritation. Calcium polysulfide the active ingredient of lime sulfur is known to be corrosive to flesh because of its caustic alkaline nature.		
170065	Six farmworkers were putting hormones on trees in an apple orchard when an air blast sprayer appeared operated by an employee from the same orchard sprayed them. Two females, ages 33 and 44 sought medical attention after they developed headache, respiratory distress and skin irritation.	2	PRASITEX (072662-00001) JET- AG (081803-00006) Hydrogen peroxide Borax Peroxyacetic acid Phosphorous acid
170066	A 55-year-old male farm worker developed ocular symptoms after he was drifted with lime sulfur. He was asked to work in another section of the orchard; and as he came out of a vehicle he was hit with the mist from an air-blast application. The applicator was spraying just across a highway separating both orchards. The distance from the applicator to the worker was approximately 300 feet. The worker decontaminated his face and eyes with water; however two hours later developed itching and pain. He sought medical treatment the next day and was discharged after treatment. This incident was referred to the Washington Department of Agriculture for investigation and collected pesticide application records for both orchards.	1	REX LIME SULFUR SOLUTION (071096-00006) Calcium polysulfide
170068	A 41-year-old female farmworker was thinning on a ladder in an apple orchard when she noticed an odor. It was windy. She developed dizziness, gastrointestinal symptoms and difficulty breathing. Her coworkers spoke of getting headaches and noted that pesticide drifted from an air blast application to the neighboring apple orchard on tribal land. She was taken to the ED and missed two days of work. The drift incident was referred to EPA for investigation.	1	REX LIME SULFUR SOLUTION (071096-00006) Calcium polysulfide Calcium polysulfide
170070	A 34-year-old woman was exposed to pesticide while she worked in an organic orchard removing the buds from apple trees. The air blast spray application happened in the early morning to an adjacent orchard an estimated distance of from 300 to 400 feet away from where she was working. The rest of her crew were positioned several rows away from her and did not report exposures. She heard the sound of the air blast sprayer approaching her but did not see it. Although she smelled a "foul odor" and began to experience stomach pain that she associated with exposure to the spray, she did not feel that she could leave her location since that was the place where she had been told to work. She experienced gastrointestinal and neurological symptoms. She informed her sister and her supervisor. Her supervisor instructed her sister to accompany her to obtain medical care in town which they did. She was treated at a clinic and released. Symptoms lasted about two days.	1	REX LIME SULFUR SOLUTION (071096-00006) Calcium polysulfide
170071	A 57-year-old male developed neurological and gastrointestinal symptoms about five hours after spraying fruit trees in his yard with a pyrethroid insecticide. His forearms and cheeks were exposed, and he received some blow-back from the	1	BUG BUSTER RTS (001021-01778) Esfenvalerate

	spray. He was not wearing respiratory protection. He sought medical attention the following day. His symptoms lasted two days.		
170072	A 39-year-old female with no prior history of allergies, developed hives and swelling around her mouth as she worked in an apple orchard hanging pheromones in the trees. A tractor also sprayed weeds in the same block as she worked and she was able to smell it. She went to the ED.	1	GRAMOXONE INTEON (000100-01217) NOMATE CM SPIRAL (036638-00030) ISOMATE CM FLEX (053575-00032) LESCO OCTANE 2% SC HERBICIDE (071711-00025) Lauryl alcohol Myristyl alcohol Pyraflufen-ethyl Paraquat dichloride (E,E)-8,10-Dodecadien-1-ol
170074	A 35-year-old male pesticide applicator applied carbaryl to an apple orchard. He read the label of the product with his supervisor and the label requires a respirable dust/mist filtering respirator. He wore a half-face mask with the required dust/mist filtering respirator. He sprayed the chemical for three days; by the 2nd day he developed a number of neurological and gastrointestinal symptoms. He could smell the product while spraying it. He sought medical treatment two days later. He had sprayed the chemical in the past wearing a half-face mask with an organic vapor filter and did not develop symptoms. He wondered why the product did not require the use of a vapor removing filter.	1	None Carbaryl
170077	A 30-year-old male was applying an herbicide containing petroleum distillates in a vineyard when he developed neurological symptoms and vomiting. He wore a mask, though not required. He went to the ED.	1	ACCLAIM EXTRA HERBICIDE (000432-00950) Fenoxaprop-p-ethyl
170079	Two female farmworkers, both 31-years of age, were thinning apples when they noted a strong odor from an air blast application of a fungicide/insecticide/matricide approximately 100 feet away. The applicator worked for the same farm as the women thinning apples. Both reported respiratory irritation, headache and nausea. One of the women sought medical attention and missed more than five days from work.	2	REX LIME SULFUR SOLUTION (071096-00006) Calcium polysulfide
170082	A 51-year-old female domestic violence advocate at a state social services agency developed respiratory, neurological, and cardiac symptoms at her workplace shortly after someone sprayed a phenolic disinfectant in the kitchen to kill ants. She inhaled some of the spray mist during, and immediately following the spray application. Paramedics responded to her workplace following the incident. Later that evening, she went to an ED for additional care. Her symptoms lasted three days.	1	IMPACT (033176-00005) Ethanol o-Phenylphenol Alkyl* dimethyl benzyl ammonium chloride
170083	A 28-year-old male pesticide applicator in an apple farm sprayed carbaryl insecticide using an air-blast sprayer. Before he finished his day of work, he poured water over his chemical resistant suit and some of the water entered his suit and moved to his abdominal area. While traveling to his home, he felt burning in the abdomen. After taking a shower at home noticed a rash in the same area. He sought medical attention three days later. Carbaryl is known to be a primary irritant and a chemical sensitizer.	1	None Carbaryl

170084	A 39-year-old male farmworker developed respiratory symptoms and eye irritation when he worked as instructed, in a cherry orchard removing blighted tree branches. The orchard was sprayed with a fungicide at the same time. The fungicide has a 48-hour REI. He went to the ED and the incident was referred for investigation.	1	GWN-10073-10120 (010163-00330)	Copper hydroxide
170086	A 39-year-old female farmworker was working in an orchard and noted a rotten egg smell when persons sprayed in the orchard across the road and upwind from where she worked. She developed headache and gastrointestinal symptoms and went to the ED. WSDA investigation revealed multiple air blast applications for bloom thinning at different farms over a 2-day period. At WSDA's site visit, the worker's supervisor confirmed from which orchard the pesticide drifted. Winds blew at 5mph from the direction of the apple orchard that was sprayed. Samples were not collected for the incident that was 2-weeks old at the time of investigation.	1	REX LIME SULFUR SOLUTION (071096-00006)	Calcium polysulfide
170090	A 30-year-old male counselor sought medical attention after he developed eye and skin irritation when he returned to the workplace. Just prior to returning to work, a PCP made an interior insecticide crack and crevice application for ants. The counselor reported a prior history of eye irritation following previous pesticide applications at the workplace. The label for the pesticide applied requires use in well-ventilated conditions.	1	PHANTOM TERMITICIDE-INSECTICIDE (000241-00392)	Chlorfenapyr
170092	A 35-year-old female and her father were on the front deck of her father's house during a ground application of two fungicides to blueberries on an adjacent farm. She felt and smelled the spray, then developed a headache, dizziness, and upper respiratory symptoms that lasted about five hours. Her father was asymptomatic. Neither sought medical attention. She reports that helicopter and ground spraying on the adjacent blueberry field occurs up to two times a week during the growing season. The fungicides have a 12-hour and a 72-hour REI. WSDA investigated, although a site visit was not conducted, and no pesticide residue samples were collected from the resident's property. WSDA found no violations, but talked with the Farm's Agronomist about coordinating with the neighbor so they can be notified before making an application next to the property. The farm agreed to monitor applications made to the fields next to the property, and to communicate with the neighbor, prior to making pesticide applications.	1	PRISTINE FUNGICIDE (007969-00199) CAPTAN 80 WDG (066222-00058)	Captan Pyraclostrobin boscalid
170095	A 25-year-old male developed dermal symptoms on his right hand after using a towel to apply a moss out product to moss at the base of a tree. The product contained ferrous and calcium sulfate. Instead of applying the crystals to the moss, then adding water to it, he added water to the crystals, then dipped a towel into the solution before applying the product. He was only wearing mesh gardening gloves at the time. He rinsed his hand for 20 minutes following the exposure. He did not seek medical attention.	1	LILLY MILLER ULTRAGREEN MOSS CONTROL LAWN FOOD (000802-00543)	Ferrous sulfate monohydrate

170096	A 56-year-old male living in a mobile home park was outside his mobile home when a neighbor started to apply a dust formulation of carbaryl on his garden. The home owner was approximately 50 feet from the applicator and he smelled the pesticide as breeze pushed the dust towards him. Within five minutes he developed a number of gastrointestinal and neurological symptoms. Three hours later he sought medical treatment at an ED in a hospital. He was discharged the same day as he experienced symptoms until the next morning.	1	None	Carbaryl
170097	A 35-year-old male farmworker applied herbicide in a pear orchard for less than an hour. He wore protective equipment. The tractor emitted smoke. Ten minutes after finishing spraying, he developed gastrointestinal and respiratory health effects. He worked the rest of the day, but went to the ED the next day. He felt ill for a week.	1	IAP GLYPHOSATE 4DS DUAL SALT HERBICIDE (071368-00025)	Glyphosate-isopropylammonium Glyphosate, ammonium salt
170098	A farm worker was told by his boss to supervise a crew of pesticide applicators one day at work in the orchards. After discussing the day's job with a crew member, he got into his truck to drive to another location at the ranch. While in his truck he experienced drift blow-back from one of the ongoing air blast applications onto his left arm through the open window of his truck. He wore no PPE as he was not applying- only supervising others on that day. He experienced localized dermal symptoms and headache within 20 minutes of the exposure, and showered thoroughly upon returning home that day. He did not seek medical care although he contacted WAPC for health information about the product. His dermal symptoms lasted three days and headache for 1. He did not miss work. He told DOH investigator that neither he nor crew members who apply pesticides at that ranch have a pesticide handler's license nor does he recall receiving any training regarding safe use of pesticides. He did not wish to report his employers name or provide names of other workers who may have been exposed to pesticides at that time.	1	IMIDACLOPRID 4FL AG (042750-00140)	Imidacloprid
170100	A 49-year-old male licensed pesticide applicator decided to spray an herbicide around his home. He used a back-pack sprayer and reported smelling the product while conducting the application. He wore rubber gloves plus safety glasses as required in the label. He also noticed his shirt was wet, and later determined it was from the tank spilling the chemical on his back. He developed gastrointestinal (GI) symptoms 17 hours after he applied the product. He sought medical attention three hours after he started having GI symptoms. He found out that he did not properly close the cap of the tank when he sprayed the product.	1	CROSSBOW L HERBICIDE (062719-00260)	Butoxyethyl 2,4-dichlorophenoxyacetate Butoxyethyl triclopyr
170101	A 22-year-old male plant technician developed a chemical burn on his left forearm after spraying a fungicide product to plants at his workplace. The product contained two corrosive ingredients. The seal on the atomizer sprayer he was using failed, causing some of the product to drip onto his arm. He rinsed his arm with water for 15 minutes immediately following the exposure. He sought medical	1	ZEROTOL ALGAECIDE/FUNGICIDE (070299-00001)	Hydrogen peroxide

attention the same day. No other details about the event are known as an interview was not possible.

170103	A 35-year-old male pesticide applicator in a cherry farm developed a number of dermal and ocular symptoms that relate to an allergic reaction to the spray he was applying. He sprayed a botanical insecticide containing the driving an open-cab tractor with an air-blast sprayer. The applicator had sprayed the same product a week earlier and developed almost the same dermal and ocular symptoms. He sought medical treatment the second time he sprayed and was treated and discharged the same day. Prior to these applications he had never applied the product in the past and both times he sprayed it, he developed symptoms. The label of the product indicates the product might cause allergic reactions in some individuals.	1	AZA-DIRECT (071908-00001)	Azadirachtin
170105	While delivering mail on his route, a 69-year-old male postal carrier developed dermal and ocular symptoms shortly after he was exposed during an aerial application of two fungicides to a nearby wheat field. He noticed an odor and a bad taste in his mouth, and some spray landed on the windshield of the vehicle he was driving at the time. He sought medical attention the same day. WSDA investigated the same day, and collected residue samples from his vehicle and shirt. Residue from the pesticides applied by the aerial applicator were detected on all of the vehicle samples, but not on the shirt sample.	1	PRIAXOR XEMIUM BRAND FUNGICIDE (007969-00311) WILLOWOOD PROPICON 3.6 EC FUNGICIDE (087290-00007)	Pyraclostrobin Propiconazole Fluxapyroxad
170109	A 34-year-old male farm worker reported mixing and spraying an herbicide. He indicated that while mixing the herbicide he breathed the vapors from it and developed upper respiratory irritation. He reported wearing a paper mask while mixing. He did not know the name of the product he mixed. His employer knew what he mixed and it was an herbicide containing glyphosate as the active ingredient. He sought medical treatment nine days later. It has been noted that some people who have reported breathing mist from herbicide products containing glyphosate have felt upper respiratory irritation.	1	SLAM PLUS (080967-00001)	Glyphosate-isopropylammonium
170110	A 30-year-old male dairy worker was disinfecting the cow's udder when it moved its foot and spray got in his eye. He rinsed out his eye, which was painful and irritated and went to the ED. He missed three days of work.	1	None	Iodine
170111	A 63-year-old male developed neurological and ocular symptoms, and a 66-year-old female developed neurological symptoms after being exposed to an organophosphate insecticide product that also contained petroleum distillates, after an old plastic container of it dropped and broke on a concrete floor in their basement. They both noticed a strong odor after the container broke. His exposure was only inhalational, while hers was inhalational and dermal (exposed her hand when she picked up the broken container and cleaned up the spill). He sought medical attention two days later. She did not seek medical attention. Their symptoms lasted 1-2 days.	2	ORTHO DIAZINON INSECT SPRAY (000239-02364)	Diazinon

170113	A 37-year-old male developed respiratory symptoms after a friend spread a dry formula moss out product on his lawn. The product contained ferrous sulfate. It was windy at the time, creating a dust cloud. The following day, and for several more days following the exposure, he experienced various respiratory symptoms. He sought health care three days after the incident.	1	LILLY MILLER ULTRAGREEN MOSS CONTROL LAWN FOOD (000802-00543)	Ferrous sulfate monohydrate
170117	A 38-year-old female with no prior history of asthma or allergies developed a cough two hours after the herbicide she sprayed to bamboo blew with the wind and she inhaled it several times. Her cough worsened in the night and she went to the ED wheezing.	1	ROUNDUP WEED & GRASS KILLER READY-TO-USE PLUS (071995-00033)	Glyphosate-isopropylammonium Nonanoic acid
170120	A 58-year-old male farm worker working on cherry farm was to asked store a container of a fungicide containing hydrogen peroxide and peroxyacetic acid as active ingredients He placed the container on his shoulders. The container cap was open and some of the fungicide felt on his shoulder burning it. He washed two minutes later and still continued to have irritation. He sought medical attention two days later. The product is labeled as corrosive and can cause skin burns and discoloration of the skin. His skin was still discolored three months later.	1	JET- AG (081803-00006)	Hydrogen peroxide Peroxyacetic acid
170121	A 29-year-old female developed neurological, gastrointestinal, and cardiac symptoms after her cat shook as she was washing/treating it for fleas in the tub with a pyrethrin-based flea & tick shampoo. She was splashed on her clothes, in her face, and also inhaled some. She sought health care the same day. Her symptoms resolved later the same day.	1	ADVANTAGE TREATMENT SHAMPOO FOR CATS & KITTENS (001021-01723)	N-Octyl bicycloheptene dicarboximide Piperonyl butoxide Pyrethrins
170122	A 26-year-old female with a history of asthma was helping a friend move. She was working with her hands in a carpeted area for 10-15 minutes and noticed green powder all over her hands. Her friend didn't have the package initially but later identified the rodenticide. She washed her hands and the next morning awoke with blisters all over her hands, followed by a one-day fever. She developed gastrointestinal symptoms two days following her exposure and went to a clinic and the ED.	1	TOMCAT WITH BROMETHALIN BAIT CHUNX (012455-00132)	Bromethalin
170123	A 59-year-old woman was putting Advantage on her dog to treat for fleas, when she got a drop into her right eye. She experienced immediate onset of eye pain and rinsed her eye with tap water at home. She phoned poison control and was instructed to rinse here eye more thoroughly, suggesting in the shower for 10 minutes, which she did. Her eye pain continued, and she noticed photophobia, mild blurry vision. She sought medical care the same day and was diagnosed and treated for right corneal abrasion.	1	ADVANTAGE II EXTRA LARGE DOG (011556-00130)	Pyriproxyfen Imidacloprid
170124	A 68-year-old male with a significant medical history developed respiratory and cardiac symptoms after inhaling fumes from an insecticide he sprayed in his carport. He sought medical attention the same day, where he was diagnosed with an acute bronchospasm. His symptoms resolved later the same day.	1	ANT & ROACH KILLER PUMP SPRAY B (072155-00080)	Sodium o-phenylphenate beta-cyfluthrin

170125	A 29-year-old female developed gastrointestinal and neurological symptoms, then passed out shortly after spraying two different pyrethroid insecticide products on her lawn. There was some wind at the time, and she felt some spray on her hands during the application. She was transported to an ED immediately following the incident. Most of her symptoms resolved by the following day.	1	ORTHO BUG B GON/HOME DEFENSE-RTS/CONCENTRATE (000239-02718)	Bifenthrin Zeta-Cypermethrin Bifenthrin
170126	A 46-year-old female hotel housekeeper developed bilateral eye injury after a corrosive disinfectant she was using splashed into her eyes. She rinsed her eyes with water immediately following the exposure. She sought medical attention the same day, where she was diagnosed with corneal chemical burn, scleral abrasion, and conjunctivitis.	1	DISINFECTANT CLEANER 2.0 (047371-00037)	Alkyl* dimethyl benzyl ammonium chloride Didecyl dimethyl ammonium chloride
170127	A 31-year-old unlicensed male applicator got fungicide in his eye as he sprayed an apple orchard to thin blossoms. He rinsed his eye out and used over-the-counter eye drops, but sought medical attention more than a month later for persistent eye irritation.	1	LIME-SULFUR SOLUTION (061842-00030)	Calcium polysulfide
170131	A 29-year-old male unlicensed pesticide applicator sprayed bactericides for blight in an apple orchard. He did not wear required respiratory or eye protection. Pesticide got on his face as he sprayed and he developed neurological and gastrointestinal health effects. He left to seek medical attention and returned to work the same day.	1	ACTIGARD 50WG (000100-00922) AGRI-MYCIN 17 (055146-00096) MYCOSHIELD (055146-00097)	Streptomycin sulfate Calcium oxytetracycline 1,2,3-Benzothiadiazole-7-carbothioic acid, S-methyl ester
170134	A 38-year-old female customer service employee at a farm store developed respiratory, dermal, and gastrointestinal symptoms after a bag containing a type II pyrethroid insecticide broke open, exposing her face, and other parts of her body. She inhaled and ingested some of the dust. She sought medical attention two days later.	1	PERMECTRIN FLY & LOUSE DUST (011556-00168)	Permethrin, mixed cis,trans
170135	A 57-year-old male farmworker sprayed a Restricted Use Pesticide* to vegetable crops and fruit trees with a motorized backpack sprayer from 4am-12noon. He didn't have a pesticide applicator's license or pesticide safety training. The wind picked up and he inhaled spray at times. He reported a burning sensation on his face and eyes and developed paresthesia and later gastrointestinal health effects. He didn't decontaminate until after he got off work at 7pm. He went to the ED. LNI conducted a worksite inspection and cited the farm for numerous serious occupational safety violations.	1	TUNDRA EC (001381-00196)	Bifenthrin
170136	A 46-year-old woman applied two pesticide products to the carpets in her home to control for fleas and odors. The products contained mixtures of pyrethrins, antimicrobials, petroleum distillates, and fragrance. She experienced onset of neurological and upper respiratory symptoms beginning while she applied and worsened the next day when she again applied, trying to finish the job. She sought medical care on the second day. Symptoms lasted about three days.	1	LINALOOL PLUS CARPET POWDER (002724-00777) VITAL-OXIDE (082972-00001)	Chlorine dioxide Piperonyl butoxide Pyrethrins Alkyl* dimethyl benzyl ammonium chloride Alkyl* dimethyl ethylbenzyl ammonium chloride

				Linalool Pyriproxyfen
170137	A 47-year-old female with a significant medical history developed respiratory, cardiac, neurological, and gastrointestinal symptoms after having placed six packets of mothballs in different locations throughout her house to control mice. The mothballs contained naphthalene. She sought health care about a week later. She was still experiencing upper respiratory symptoms at the time of the interview, two weeks after placing the mothballs.	1	None	Naphthalene
170142	A 56-year-old male pesticide applicator developed respiratory, neurological, and gastrointestinal symptoms shortly after the application equipment he was using malfunctioned, exposing him in the chest. He was at a customer's house spraying for insects on trees and shrubs. He was using the required personal protective equipment, but didn't remove his pants and shirt right away, which were soaked with the product. He sought health care the same day. His symptoms lasted several days.	1	None	Imidacloprid
170143	A 28-year-old male hotel maintenance worker went to check the readings for the pool chemicals. A hose burst and spewed disinfectant in both eyes, his face and clothes. He irrigated his eyes immediately. He was taken to the ED and missed three days of work.	1	None	Sodium hypochlorite
170145	A 31-year-old male licensed pesticide applicator developed erythema and paresthesia to the left side of his face and neck, and first degree burn to the left side of his face after receiving spray while applying a pyrethroid insecticide at a customer's house. He rinsed his face with hot water and soap at the customer's house immediately following the exposure. He sought medical attention the same day. His symptoms resolved later the same day.	1	DEMAND CS INSECTICIDE (000100-01066)	lambda-Cyhalothrin
170148	A 45-year-old male cleaner at a convalescent center developed chemical burns in both eyes when bleach splashed into them. He was disinfecting the pool floor with a power sprayer. Disinfectant splashed off floor and into his eyes, despite wearing safety glasses and a mask. He rinsed his eyes and sought medical attention the following day.	1	None	Sodium hypochlorite
170149	A 22-year-old male and a 58-year-old male were installing posts in an apple orchard before seven am when four air blast sprayers appeared, driven by unlicensed applicators spraying insecticide to the neighboring orchard. Both men felt the spray. The 22-year-old, who was closest to the sprayers, began vomiting and sought medical attention. The 58-year-old male developed respiratory symptoms and headache. He sought medical care and changed clothes at the end of the work day. When a co-worker of the two men asked the unlicensed pesticide applicators what was applied, they didn't provide spray information, but they did	2	WARRIOR II WITH ZEON TECHNOLOGY (000100-01295)	lambda-Cyhalothrin

	indicate that it was poisonous. WSDA collected samples from where the two men worked, which tested positive for the insecticide applied.		
170151	A 50-year-old female developed gastrointestinal, ocular, and neurological symptoms that started the morning after she began spraying her living room for fleas and bedbugs. She continued the insecticide treatment for about a week. Contrary to the label precautions, she did not wash her hands after handling the product, and before eating. She sought health care after the week-long treatment period. Her symptoms lasted about one week.	1	HOT SHOT BEDBUG & FLEA HOME INSECT KILLER2 (009688-00297) lambda-Cyhalothrin
170152	A 54-year-old female with COPD developed respiratory and cardiac symptoms after setting off an insecticide fogger inside her home, then remaining inside while it was active. Medics responded to her home, and found her outside, wheezing, with shortness of breath. They then transported her to an area hospital ED. She was discharged later the same day in stable condition.	1	RAID FOGGER K (004822-00452) Cypermethrin
170153	A 53-year-old female resident of an apartment complex decided to take her dog for a stroll on the lawn inside her apartment complex. An herbicide application was scheduled the same day to kill broadleaf weeds inside the apartment complex with an herbicide, a water conditioner, a drift management agent and a spray adjuvant. Just a few hours after an application to was made, she reported walking on treated grass. She reported smelling a paper mill like odor and her shoes got wet with what she considered the spray solution. She developed immediate skin, eye and upper respiratory irritation. She did not seek medical attention. She reported the incident to several governmental agencies as she questioned the rates of applications to be unsafe for breathing and the grass unsafe to walk on. WSDA investigated and determined that the rates of applications were in accordance with label requirements.	1	TRICLOPYR BEE + 2,4-D BEE (042750-00124) Butoxyethyl 2,4-dichlorophenoxyacetate Butoxyethyl triclopyr
170154	A 58-year-old male plant nursery worker developed ocular symptoms after he dropped an open container of water mixed with a plant adjuvant on the ground. The liquid ricochet back into his face and eyes. He wore safety glasses but the chemical solution went under the glasses hitting his eyes. He wiped his face and continue working. He did not decontaminate. Fifteen minutes later he developed irritation in the eyes decided to seek medical attention five hours later. He was examined and discharged after the examination. The product is an adjuvant that used as sanitizer for planting equipment and contains didecyl dimethyl ammonium chloride, iso-propyl alcohol and ethanol.	1	None Ethanol Propyl alcohol Didecyl dimethyl ammonium chloride
170155	A 52-year-old male crop dusting pilot developed ocular, neurological, and respiratory symptoms after spraying fields for 2-days with a "Restricted Use" insecticide. He did not wear any respiratory protection. He may also have been exposed dermally when handling spray nozzles. He reports getting product on his hands. He showered at home both evenings, but his symptoms did not improve. He sought emergency care at a community hospital. His symptoms improved	1	DUPONT LANNATE LV INSECTICIDE (000352-00384) Methomyl

	relatively rapidly while at the hospital, after about a day post-exposure. The particular type, severity, and rapid reversal of symptoms are consistent with n-methyl carbamate poisoning.		
170156	A 46-year-old female developed respiratory, neurological, and gastrointestinal symptoms, and her 38-year-old boyfriend developed respiratory and gastrointestinal symptoms beginning a day after moving into an apartment. An herbicide application consisting of a mixture of 2, 4-D, Triclopyr, and two different petroleum distillates was applied by backpack sprayer to blackberries around the outside of the apartment building the day before they moved in. Their symptoms continued on and off for the following three weeks. They both said they could smell a chemical odor inside the apartment at times, whenever their windows were open. A similar herbicide application occurred a few weeks later, with continued symptoms reported by the residents. Two days later, they sought medical attention at an ED. WSDA investigated and visited the resident's apartment. They did not detect any chemical odors during their visit. No samples were collected, and no pesticide application violations were found. Shortly thereafter, the residents moved out of the apartment.	2	CROSSBOW SPECIALTY HERBICIDE LOW VOLATILE WEED AND BRUSH HERBICIDE (062719-00260) Butoxyethyl 2,4-dichlorophenoxyacetate Butoxyethyl triclopyr
170157	A 56-year-old female developed respiratory symptoms after activating a pyrethroid fogger in her trailer. She re-entered the trailer for 1-2 minutes while the fogger was active. Emergency Medical Technicians responded.	1	RAID FOGGER K (004822-00452) Cypermethrin
170158	A 76-year-old male home owner decided to activate a container of spray fogger inside his enclosed garage. He activated the fogger and then tried to stop the application. He inhaled the mist and exposed his eyes. He developed ocular and respiratory symptoms after breathing the mist. He was taken to the ED by his wife and his eyes were washed and his chest radiographed. He was discharged after the examination and treatment.	1	RAID FOGGER K (004822-00452) Cypermethrin
170159	A 70-year-old female was painting a hand-rail at her home with a wood preservative when her brush slipped from her hand and hit her left eyelid. She felt immediate burning and rinsed her eye with three bottles of saline solution. She sought medical attention the same day and was discharged after the examination. The wood preservative contained copper naphthenate capable of causing redness to the eyes. She indicated she could have worn safety glasses when applying the product.	1	None Copper naphthenate
170161	A 12-year-old male got mosquito repellent in his right eye. It was sprayed from between 6-10 feet away. His eye became irritated and teary, and he complained of blurred vision and eye pain. He went to the ED the next day. There was no abrasion or ulceration detected.	1	None Deet
170165	A 19-year-old female fast food worker was mixing a sanitizer containing ammonium chloride in a dish washing sink. She realized the hose used to pour the	1	SUPER SAN FOOD SERVICE SANITIZER (006836-00305) Alkyl* dimethyl benzyl ammonium chloride

	sanitizer was in disrepair so she decided to remove the sanitizer from the wall and pour the liquid into the water. When she placed the container back into the wall, it accidentally sprayed the sanitizer back into her face, neck and left eye. She felt burning in the eye and flushed her eye with water and felt better. The next day she woke up with blisters in areas of her face and neck she was hit. She sought medical attention the same day. Her employer provided the name of the product she worked with.			Didecyl dimethyl ammonium chloride Octyl decyl dimethyl ammonium chloride
170167	An 18-year-old male painter developed chemical conjunctivitis and dermatitis after spraying a hornet's nest with a pyrethroid insecticide while on a ladder at a residential job site. He was spraying above his head. Some of the product dripped into his right eye and right hand. He was not wearing any eye protection. He rinsed his eye with water. He sought medical attention the same day. His symptoms lasted two days.	1	SPECTRACIDE WASP & HORNET KILLER 3 (009688-00190)	Prallethrin lambda-Cyhalothrin
170168	A 30-year-old female was applying lice killing shampoo when a few drops got in her eyes, causing corneal abrasion. She reported painful burning, and removed her contacts to rinse her eyes. She went to the ED.	1	None	Piperonyl butoxide Pyrethrum
170169	A WSDA Field Inspection Supervisor developed localized dermal symptoms after entering a beet field while wearing no personal protective equipment, about two hours after it was treated with an insecticide/fungicide mixture. The field was still under a Restricted Entry Interval (REI) at the time. Shortly after entering the field, the landowner of the field informed the Inspector that the field had just been treated. There were no signs posted and the Inspector had not been verbally notified of the recent treatment before entering the field. Immediately following the event, the Inspector drove to the nearest grocery store and washed the exposed areas with soap and water. Dermal symptoms lasted about two hours and resolved without medical attention. WSDA investigated the incident.	1	ABOUND FLOWABLE FUNGICIDE (000100-01098) F9114 EC INSECTICIDE (000279-03426)	Azoxystrobin Zeta-Cypermethrin Boron
170170	A 2-year-old male was found licking a month-old roach bait that had been sprayed in the last 3-5 days with an insecticide. The roach bait was intact. The toddler vomited 10 times. Paramedics responded and took him to the ED. The child recovered and was released.	1	HOT SHOT ANT & ROACH PLUS GERM KILLER 2 (009688-00317)	Alkyl* dimethyl ethylbenzyl ammonium chloride Quaternary ammonium compounds, benzyl-C12-18-alkyldimethyl, chlorides Cypermethrin Prallethrin
170171	A 74-year-old male developed gastrointestinal symptoms after he ingested residues of an ant killer containing sodium tetraborate decahydrate or borax. The insecticide came in a liquid form and he placed the liquid on a plate mixed with sugar to attract the ants. His roommate took the plate and rinsed it and then placed it on the cupboard. Half-hour later he took the plate put it in the	1	None	Borax (B4Na2O7.10H2O) Borax (B4Na2O7.10H2O) (1303-96-4)

	microwave and ate the muffin. He developed symptoms 30 minutes later. He sought medical attention at an ED and was discharged after the examination in stable condition. He believed the plate was not properly washed by his roommate and it contained residues of the insecticide.		
170172	A 59-year-old male with respiratory disease developed respiratory, neurological, and cardiac symptoms after his roommate set off an insecticide fogger inside his home. Medics responded, and found him outside in respiratory distress. They then transported him to an area hospital ED. He was discharged later the same day in stable condition.	1	HOT SHOT FOGGER WITH ODOR NEUTRALIZER (009688-00309) Tetramethrin Cypermethrin
170173	A 25-year-old unlicensed male farmworker was applying pesticides to apple orchard, wearing appropriate PPE. While changing a filter on the equipment, his hands were exposed to the chemicals. He also had upper respiratory irritation. He sought medical attention.	1	DUPONT ALTACOR INSECT CONTROL (000352-00730) PN ALL SEASON SPRAY OIL (002935-00546) Mineral oil Aliphatic petroleum solvent 1H-Pyrazole-5-carboxamide, 3-bromo-N-[4-chloro-2-methyl-6-[(methylamino)carbonyl]phenyl]-1-(3-chloro-2-pyridinyl)-
170176	A 43-year-old male apple orchard pesticide applicator was hit with the mist from an agricultural fungicide and bactericide mixed in water. He used an air-blaster to spray the apple orchard. The product's active ingredient is copper hydroxide. He indicated that the wind picked-up the spray and pushed to his left eye. He rinsed his eye at the farm shop and continue working. He developed burning in the eye and used over-the-counter eye drops at home and still continued to have pain. He sought medical attention two days later. He was wearing sunglasses while spraying the product and did not wear the eye protection recommended in the label. Copper hydroxide is corrosive to mucous membranes and cornea.	1	NU-COP 50 WP (045002-00007) Copper hydroxide
170177	A 57-year-old male clinical support specialist at a low income residential apartment developed respiratory, neurological, and gastrointestinal symptoms after inhaling amorphous silicon dioxide (diatomaceous earth) while inside the apartment. The product had been applied to hallway floors on multiple levels of the apartment by office staff for a bed bug infestation. He sought medical attention the same day.	1	SAFER BRAND ANT AND CRAWLING INSECT KILLER (059913-00001) Silicon dioxide
170178	A 20-year-old female water technician at a nursery was asked to enter greenhouses two hours after they were sprayed with an organophosphate insecticide and a fungicide. She entered the greenhouses multiple times over several hours, during both product's REI, and without the appropriate personal protective equipment. Upon entry into the greenhouses, she noticed a strong odor. About two hours after leaving the greenhouses, she developed various gastrointestinal symptoms and a headache. Her gastrointestinal symptoms persisted for about five days. She sought initial health care two days after the incident, and at least two additional times during the following three weeks. She	1	INSIGNIA FUNGICIDE (007969-00184) DREXEL DIMETHOATE 4EC (019713-00231) Dimethoate Pyraclostrobin Dimethoate Pyraclostrobin

	<p>was off of work for a week, following the incident. Her serum and RBC cholinesterase levels were measured, and were found to be normal, but she was tested four days after the incident. She was initially thought to have Enteritis due to food poisoning, but was subsequently diagnosed with organophosphate poisoning. Labor and Industries investigated, and cited the nursery for eight violations, four of them were considered serious.</p>		
170179	<p>A 19-year-old male sanitation worker at a potato processing facility developed chemical burns to both eyes after he was sprayed with disinfectant as he helped roll up a hose. He wore the required face shield and safety glasses. He went to the ED after rinsing eyes at eye station for 20 minutes.</p>	1	<p>BOOST 3200 (063761-00008)</p> <p>Hydrogen peroxide Alkyl* dimethyl benzyl ammonium chloride Alkyl* dimethyl ethylbenzyl ammonium chloride</p>
170180	<p>A 33-year-old male dock worker at a trucking/freight business exposed his left eye after knocking over a pallet of moss-killing product. He developed ocular symptoms several hours later. He was not wearing eye protection, and did not irrigate his eyes following the incident. The following morning, he woke with mild redness and irritation. His symptoms progressed. He sought medical attention four days after the incident, then again two days later because of progressive worsening of his symptoms. He was diagnosed with acute chemical conjunctivitis.</p>	1	<p>MOSS B WARE (010699-00001) HO2 MOSS KILLER (067702-00012)</p> <p>Potassium salts of fatty acids Zinc sulfate monohydrate</p>
170182	<p>A 50-year-old female applied diluted herbicide concentrate all around her yard with a watering can, wearing flip flops. Winds were up to 10 mph. She reported getting herbicide on hands and feet. She did not rinse off and developed lethargy, and gastrointestinal, neurological and respiratory health effects. She sought medical attention.</p>	1	<p>SPECTRACIDE WEED & GRASS KILLER CONCENTRATE 2 (009688-00265)</p> <p>Dicamba, dimethylamine salt Diquat dibromide Fluazifop-P-butyl</p>
170183	<p>A 47-year-old male hop field pesticide applicator developed ocular irritation symptoms when he accidentally open a bag miticide powder and dozed both of his eyes with the powder formulation. He rinsed his eyes and used eye drops and continue working. Ten hours later he decided to seek medical attention as he continued having symptoms. He was examined, treated and discharged home. He was seen again for follow-up five days later. The active ingredient of the miticide can cause skin, eye and respiratory irritation. The label of the product does not require the use of eye protection for application or handling.</p>	1	<p>ZEAL WP MITICIDE (059639-00138)</p> <p>Etoxazole</p>
170184	<p>As a 33-year-old farmworker was applying herbicides in an apple orchard, he felt some chemical get in his eyes. His eyes were irritated and he went to the ED. Neither herbicide label requires eye protection.</p>	1	<p>IAP GLYPHOSATE 4DS DUAL SALT HERBICIDE (071368-00025) RECKON 280SL HERBICIDE (088685-00002)</p> <p>Glyphosate-isopropylammonium Glyphosate, ammonium salt Glufosinate</p>
170185	<p>A 21-year-old male potato farm worker was working at a field with a chemigation center pivot system. He tried he open the injection point and was filled with residues of a fungicide and a carbamate insecticide. There was some pressure at the injection point and as he open the valve the liquid hit his face and eyes. He</p>	1	<p>DUPONT LANNATE LV INSECTICIDE (000352-00384) DUPONT TANOS (000352-00604)</p> <p>Methomyl Famoxadone Cymoxanil</p>

	<p>reported having eye protection but took it off while opening the valve. He washed immediately after he was hit with the solution. He reported very little irritation. However, the next day he reported some gastrointestinal, neurological, and visual disturbance. He sought medical action eight days as he continued to have visual problems. He was later referred to an optometrist for his follow up visit.</p>		
170186	<p>A 26-year-old male serviceman at an agrochemical supply company developed chemical conjunctivitis after being sprayed in the face with a sodium hypochlorite solution after the pump hose he was using was cut while under pressure. A small amount of the liquid dripped down his face and into his left eye. He was working on an onion farm at the time, and was wearing safety glasses. He immediately flushed his eye and washed his face with water after the incident. He was seen and discharged at an Emergency Department the same day.</p>	1	None Sodium hypochlorite
170187	<p>An 18-year-old male cherry picker was working in an orchard at an agricultural college experimental station. He reported a number of dermal, ocular and neurological symptoms while working a section of the orchard. That section of the orchard was sprayed with an ultra-low volume malathion insecticide sprayed by air six days earlier. The insecticide had a restricted entry interval of 12 hours. Therefore, the label was observed. Four days later he was picking in an areas that was sprayed three and a half-days after it was sprayed with the same product. The restricted entry interval was observed again. He developed similar symptoms and decided to seek medical attention at an ED. He was examined and discharged after the examination. There is a minimum application interval of seven days after each application. The last time he developed symptoms the interval between the applications was six and-a-half days instead of the seven days required in the label.</p>	1	Fyfanon ULV AG (279000-03540) Malathion
170191	<p>A 29-year-old male working in a dairy was on top of his feed truck loading it with nutrients for the dairy cattle when suddenly he was hit with a mist from an insecticide application. The applicator sprayed a formulation of a pyrethroid insecticide mixed with an aromatic hydrocarbon to suppress fly infestation in the dairy. The worker believed the applicator did not notice him when he passed just 32 feet away from the feed truck where he was standing. He was hit on the face and neck with the spray mist. He washed his face immediately and continue working. Thirty minutes later he started feeling dermal, neurological and gastrointestinal symptoms. He sought medical treatment the same day and was discharged after the examination.</p>	1	GRENADE ER INSECTICIDE (000100-01066) lambda-Cyhalothrin
170192	<p>A sixty-five-year-old male poultry farmer worked with pheasants in a net covered aviary on his property. He noticed an aerial applicator spraying pasture land to a field adjacent to him, approximately 50 feet away from his property line and 100 feet away from the aviary. When he came out of the aviary, he said that he took two whiffs of what he detected as 2, 4-D herbicide. He reported experiencing neurological, respiratory and ocular symptoms after smelling and feeling the herbicide mist on his face. He took a shower after he finished working in the</p>	1	DUPONT CIMARRON MAX HERBICIDE (000352-00615) Dicamba, dimethylamine salt Dimethylamine 2,4-dichlorophenoxyacetate Metsulfuron-methyl Diethylene glycol

	aviary. WSDA investigation determined that the aerial applicator had sprayed an herbicide containing metsulfuron methyl, Dimethylamine salt of dicamba, Dimethylamine salt of 2, 4-D and a spray adjuvant containing diethylene glycol to the neighboring pasture. WSDA detected residues of the herbicide applied in the aviary where he had been. There was also some visual damage of broadleaf weeds in the yard and pheasant enclosure.			
170193	Two sisters, ages eight and 10-years' old, were taken to the ED after they developed gastrointestinal symptoms during lice shampoo treatment by their parents. The 10-year-old was shampooed and rinsed first. She developed a mild stomachache and headache. As the parent shampooed and rinsed the 8-year-old's hair, her daughter became weak and started vomiting. The over-the-counter lice shampoo contains petroleum distillates, in addition to insecticides, including a synergist.	2	None	Piperonyl butoxide Pyrethrum
170197	A 37-year-old female farm worker arrived at a cherry orchard to pick cherries. At the same time an applicator using an air-blast sprayer applied a tank mix containing and insecticide with a fungicide mixed in the tank. She came out of her vehicle and was hit with the mist on her face and eyes. She did not decontaminate after the exposure. Approximately 10 minutes later she developed ocular and skin symptoms. Also, she reported some gastrointestinal and neurological symptoms. This incident was referred by DOH to L&I for investigation.	1	ENTRUST SC (062719-00621) Trionic 4 SC (070506-03028)	Spinosad Triflumizole
170198	A 39-year-old female developed a rash after she was asked to thin the canopy of a vineyard by pulling leaves. She was provided only rubber gloves to wear. The vineyard was sprayed four days earlier with Sulfur and a fungicide containing Tebuconazole and Fluopyram. The gloves were issue to follow early re-entry requirements for the fungicide. She started developing dermal itching and irritation on her forearms areas not covered by the rubber gloves six hours after she started to work. She continue doing the same chore for three days and continued to have the dermal symptoms for the next 10 days. She decided to seek medical attention then. She was seen again for follow-up seven days later. At that time her symptoms finally dissipated. The label of one of the products requires the use of coveralls as personal protective equipment for early re-entry workers.	1	LUNA EXPERIENCE (000264-01091) SULFUR DF (051036-00352)	Sulfur Fluopyram Tebuconazole
170199	A 24-year-old male unlicensed pesticide handler and applicator developed chemical irritation to his eye and cheek as he sprayed a cherry orchard. Though he wore a respirator, suit and safety glasses, spray deflected from a branch onto him. He went to the ED.	1	LUNA SENSATION (000264-01090) PROCURE 480SC (000400-00518) DANITOL 2.4 EC SPRAY (059639-00035) ENDORSE WATER DISPERSIBLE GRANULES (066330-00056) STIMPLEX CROP BIOSTIMULANT (075287-00003)	Fluopyram Cytokinin (as kinetin) Fenpropathrin Triflumizole Trifloxystrobin Polyoxin D zinc salt
170200	A 34-year-old male fruit packing house mechanic was working in the conveyor belt for processing cherries. He worked close to a nozzle that applied a preservative	1	SHIELD-BRITE PAA 12.0 (070299-00018)	Hydrogen peroxide Peroxyacetic acid

	and disinfectant containing hydrogen peroxide and peroxyacetic acid for the fruit on the conveyor belt. He got sprayed on his left eye with the undiluted material. He developed immediate pain in his left eye and sought medical treatment the same day. He was seen for follow up six days later and still had signs of the exposure. The product is labeled as corrosive.		
170201	A 69-year-old male developed respiratory effects after a gust of wind blew insecticide spray that he was using back into his face. The product also contained petroleum distillates. Emergency Medical Technicians responded to his residence.	1	HOT SHOT NO-MESS! FOGGER 3 WITH ODOR NEUTRALIZER (009688-00252) Piperonyl butoxide Tetramethrin Cypermethrin
170202	A 13-year-old male developed significant respiratory, cardiac, and neurological effects after putting a chlorine tablet into a bottle filled with hydrogen peroxide while outside at a friend's house. The reaction caused the bottle to explode, releasing a green-colored vapor. He inhaled some of the vapor. He was taken by ambulance to a hospital ED for evaluation and treatment.	1	3 INCH TABS (067262-00033) Trichloro-s-triazinetrione Hydrogen peroxide Chlorine
170204	A 45-year-old male with allergies developed respiratory symptoms about a half hour after spraying a pyrethroid insecticide in multiple rooms in his residence for bedbug control. While applying the product, some of it sprayed back on him. He inhaled some, and got some on his skin. He was wearing gloves, but not a respirator. He went to an Emergency Department the following day. His symptoms lasted for one day.	1	HARRIS HOME PEST CONTROL (000003-00011) Deltamethrin
170207	While spraying outdoor ornamental plants for mites, aphids, and other small insects at a customer's residence, a 22-year-old horticultural technician/licensed pest control operator was sprayed in the face after the nozzle and hose on the truck-mounted sprayer she was using detached while under pressure. The spray contained two different insecticides. She developed ocular, respiratory, and neurological symptoms following the exposure. She was wearing safety glasses and other personal protective equipment at the time, but some of the product still got in her eyes and throat. Her symptoms lasted almost two weeks, and she lost three days of work. She sought medical attention the same day.	1	FLORAMITE (000400-00481) Bifenazate Cyfluthrin
170210	A 35-year-old male farm worker at a pear orchard used a back-pack sprayer to apply an herbicide containing capric and caprylic acid mixed with a fertilizer containing calcium chloride. The bottom of the tank was cracked and the tank mix spilled over his back. He noticed the wetness three hours after he started spraying and felt some burning on his back. He did not decontaminate at that time and continued spraying for four more hours. He took a shower at his home one hour later. He continue having burning sensation and decided to seek medical attention at a clinic three days later. The herbicide and the fertilizer he sprayed are capable of producing eye and skin irritation.	1	SUPPRESS HERBICIDE EC (051517-00009) Caprylic acid Capric acid Calcium chloride

170211	While performing mechanical hedging in a wine grape vineyard block, a 47-year-old male tractor driver received spray from another employee who was spraying fungicides in another vineyard block a few hundred feet away. It was windy at the time. He noticed the spraying, and smelled a chemical odor. He was not wearing any personal protective equipment, other than a long-sleeved shirt, long pants, and boots. Immediately following the exposure, he rinsed his face and eyes, but developed dermal, respiratory, gastrointestinal, and ocular symptoms that lasted a couple of hours. He went to the ED the same day. Labor and Industries investigated and cited the farm for numerous health & safety violations.	1	VIVANDO FUNGICIDE (007969-00284) ZEROTOL 2.O (070299-00012)	P:000325 -METRAFENONE P:000595 -Hydrogen peroxide P:063201 -Peroxyacetic acid
170213	A 51-year-old male developed second and third degree burns on his arm after discharging a rodent bomb containing sulfur and sodium nitrate. He sought medical attention at an Emergency Department the same day. He was treated and released the same day. No other details about the incident were available.	1	THE GIANT DESTROYER (010551-00001)	Carbon Sodium nitrate Sulfur
170215	A 17-year-old female childcare employee went to the ED after bleach spray got in her eye. She went to the ED for the chemical burn.	1	None	Sodium hypochlorite
170216	A 2 ½ -year-old female developed blistering skin along her hairline, neck and ear after sleeping in her bed that was sprayed with an insecticidal aerosol containing petroleum distillates for lice control on surfaces. She entered her bedroom too soon after her parent sprayed the bed. She had also received lice control shampoo treatments according to label instructions over the past three weeks with no irritation. The most recent shampoo application was two nights prior to the blistering.	1	PRAMEX® MULTI- USE INSECTICIDE SPRAY 30231 (001021-02685)	Permethrin, mixed cis,trans
170218	A 41-year-old male was checking to see how much bleach was in the container when the hose got loose and sprayed in his eye. He rinsed eye 15-20 minutes immediately. He sought medical attention and had no burn or abrasion.	1	None	Sodium hypochlorite
170219	A 36-year-old female living in a home located approximately 30 feet away from a potato field reported upper respiratory, neurological and ocular symptoms after breathing vapors from an application of an herbicide and a surfactant to the field. The application was conducted with a ground-sprayer and she indicated being approximately 20 feet away from the spray equipment. She was exposed while she was on her yard picking her children's toys to protect them from potential drift. She was outside for 10 minutes and during that time she smelled and tasted the spray. The incident was referred to WSDA for investigation. They collected a number of foliage and swab samples to determine if the herbicide drifted into the property. Samples were also collected to document previous drift events as the WSDA investigator observed visual evidence of drift from previous applications. There were no positive samples indicating drift from the herbicide application. Samples were positive for residues of Mefenoxam a fungicide applied on the potato field a month earlier. Even though the WSDA samples were negative for the herbicide, the symptoms reported by the home owner might have been the	1	NUFARM DIQUAT SPC 2L (000228-00675)	Diquat dibromide Alcohols, C11-15-secondary, ethoxylated

	result if inhalation of vapors from the ingredients in the surfactant mixed with the herbicide. The surfactant contained ethoxylated phenols and alcohols capable of producing the symptoms she reported.			
170221	A 4-year-old male with a history of scabies and allergy to permethrin, developed dermal symptoms, and presented with Urticaria on his torso after a 5% permethrin cream was applied to him for scabies. The product also contained numerous inactive ingredients, including alcohols, mineral oil, sodium hydroxide, and formaldehyde. He was taken to an Emergency Department immediately following the incident. He was diagnosed with irritant contact dermatitis.	1	None	Permethrin, mixed cis,trans
170222	A 78-year-old female with history of asthma sprayed insecticide in her kitchen and didn't cover the fruit. She ate the fruit and within 20 minutes she developed gastrointestinal symptoms and dizziness. She went to the ED.	1	HOT SHOT FLYING INSECT KILLER3 (009688-00326)	Tetramethrin Permethrin, mixed cis,trans
170224	A 15-month-old male got a liquid insecticide on his hands and rubbed his face. His eyes were red and puffy. The child's mother called a consulting nurse, who contacted WAPC.	1	ORTHO HOME DEFENSE INDOOR & OUTDOOR INSECT KILLER 3 (000239-02717)	Bifenthrin Zeta-Cypermethrin
170225	While on his lunch break, a 70-year-old male volunteer at a therapeutic horsemanship center was accidentally sprayed in his face after popping threads on a container with 10% permethrin insecticide in it. He had been spraying the insecticide on horses just prior to the incident. He wasn't wearing any personal protective equipment. About 30 minutes later, he developed respiratory, ocular, and cardiac symptoms. His cardiac symptoms lasted about a week. He sought medical attention the same day.	1	PERMETHRIN 10 EWC (053883-00072)	Permethrin, mixed cis,trans Permethrin, mixed cis,trans
170226	A 73-year-old female developed ocular symptoms after accidentally spraying a pyrethroid insecticide in her left eye. She sought medical attention at an emergency department (ED) the same day, then again the following day. Her eye was irrigated while at the ED.	1	CHEMSICO WASP & HORNET KILLER LE (009688-00190)	Prallethrin lambda-Cyhalothrin
170227	A 70-year-old female with asthma set off five foggers that contain petroleum distillates, one in each room of her 3-bedroom home, including the living room and kitchen. One of her dogs ran into the home as she was exiting. She crawled in to get him as he went straight to the fogger. She got sprayed in face and couldn't breathe. Paramedics attended her. She ventilated the home afterward. Her chest and throat were sore for several days.	1	CYPER-ACTIVE E2 WB TRA (001021-02763)	Cypermethrin
170228	A 61-year-old male and his 40-year-old female housemate were very ill after a flea spray was applied by the male in a poorly ventilated room. The male sprayed his mattress, rugs, clothing and his arms and legs, thinking of repellent. He left the room and returned to lie head down on mattress 90 minutes later. He awoke several hours later vomiting. He then showered three times throughout the day. His house mate cleaned up the room, bagged sprayed items to wash and hauled the mattress outdoors to dry. She developed paresthesia, shortness of breath and	2	HOT SHOT BEDBUG & FLEA KILLER 3 (009688-00269)	Prallethrin gamma-cyhalothrin

	gastrointestinal health effects. She consulted WAPC. Staff from the pesticide manufacturer indicated that once the mattress was thoroughly dry, it could be used again and not pose a health hazard.		
170229	A 53-year-old male home owner decide to spray an insecticide containing bifenthrin around his home. He used a gallon trigger pump sprayer. He got his hands wet while handling the nozzles of the sprayer. He rubbed his eyes and developed ocular symptoms. He sought medical attention one hour later. He was discharged after examination and treatment.	1	ORTHO HOME DEFENSE INDOOR AND OUTDOOR INSECT KILLER (000239-02699) Bifenthrin
170231	A 27-year-old female and her 3-year-old daughter developed burning sensation and paresthesia on their faces after they both were inside and outside the home that had just been sprayed with insecticide concentrate, not diluted as required. Surfaces such as skylights and perimeters of doors were sprayed because the mother is allergic to bees. The insecticide label was faded and poured into another insecticide container that was previously rinsed out. Mother and daughter went to the ED.	2	TEMPO SC ULTRA PEST CONTROL CONCENTRATE (011556-00145) beta-cyfluthrin
170232	A 29-year-old male employee at a garden supply store developed acute right eye conjunctivitis and chemical injury to his cornea after a disinfectant containing sodium hypochlorite that he was using to clean a toilet splashed into his eye. He was not wearing any protective eyewear at the time. He sought medical attention the same day.	1	COBALT (067619-00016) Sodium hypochlorite Chlorine
170233	A 42-year-old male maintenance supervisor at a property and building management business developed ocular symptoms in his right eye after accidentally being sprayed with an unspecified bleach solution by another employee. He sought medical attention the same day. His symptoms lasted two weeks.	1	None Chlorine Unspecified bleach
170234	A 55-year-old man received blow-back exposure to his eye while applying moss-out product to the roof of his home. He wore no eye protection at the time. He experienced immediate onset of ocular symptoms and sought medical care. Eyes were irrigated there and he was referred to an ocular specialist.	1	LILLY/MILLER MOSS-KIL GRANULES (000802-00591) Zinc sulfate monohydrate
170235	A 19-year-old hotel administrative employee at a hotel developed dizziness and gastrointestinal health effects after cleaning office surfaces with bleach. A coworker had sprayed an essential-oil based insecticide for ants before she used the bleach. Ventilation was challenging since the wind kept shutting the door.	1	None Sodium hypochlorite Cinnamon Oil of rosemary Oil of thyme
170238	A 64-year-old female with asthma and a history of peptic ulcer disease developed respiratory, cardiac, and gastrointestinal symptoms after one of the insecticide foggers she had just activated accidentally fell backwards and sprayed her in the face, causing her to inhale some. She used a total of three unspecified Raid foggers in three different rooms for fly control. She sought medical attention the same	1	None unspecified RAID pyrethroid fogger

	day. Most of her symptoms resolved within a few days, but she was still feeling a chest burning sensation several weeks after the incident.		
170239	A 43-year-old male farm worker driving a forklift on a road adjacent to an apple orchard developed ocular symptoms after an aerial applicator sprayed a plant growth regulator with an adjuvant containing 2-butoxyethanol to an apple orchard. The worker felt the mist on his eyes and rinsed his eyes and face with water right after the exposure. He reported the incident to his supervisor and was examined at an ED two hours later. He was discharged after the examination and treatment. The incident was referred to WSDA for investigation. WSDA issued an Advisory Letter to the aerial applicator as to be cautious during applications adjacent to roadways or thoroughfares.	1	REFINE 24.2L (062097-00038) Potassium 1-naphthaleneacetate 2-Butoxyethanol
170243	A 75-year-old male with a history of COPD, diabetes, asbestosis, kidney, respiratory, and cardiac problems experienced convulsive coughing after inhalation of an unspecified bug bomb that he had used in his bedroom. He was unable to exit the room prior to the bug bomb discharging. He experienced a syncopal episode after exiting his room, and lost consciousness for about 30 seconds. Paramedics arrived at the scene, then transported him to an ED for evaluation and treatment. He was discharged later the same day in stable condition.	1	None Pyrethrins and Pyrethroids, manufg. residues unspecified bug bomb
170244	A 46-year-old was preparing to use a Raid Fogger under his house when the lid popped-off and product was discharged into his face. He wore protective goggles and a dust mask at the time. He experienced respiratory and neurological symptoms and sought medical care at a hospital ED.	1	RAID FOGGER K (004822-00452) Cypermethrin
170245	A 26-year-old male post-harvest vegetable packing facility worker splashed a corrosive skin chemical additive on his neck. His employer reported the worker was hit with the product while working with a pump. The product contains acetic acid, peroxyacetic acid and hydrogen peroxide. The SDS of the product indicates the product causes severe skin burns and eye damage. He sought medical attention at an ED three hours later and was discharged after examination and treatment. The worker suffered an ocular injury after being exposed to a sanitizer on 2016. Both years DOH could not locate the worker for interview	1	None Hydrogen peroxide Acetic acid Peroxyacetic acid
170246	A 52-year-old male mechanic at a seafood wholesaler tried to fix a pipe when it bust and a corrosive cleaning product got into both eyes. He wore safety glasses. He went to the ED.	1	None Dipropylene glycol methyl ether Potassium hydroxide (K(OH)) Sodium hydroxide
170247	While at work, a 41-year-old female hair stylist at a barbershop developed ocular symptoms in her left eye after accidentally splashing a corrosive disinfectant concentrate into her eye. She sought medical attention the following two days, where she was diagnosed with acute chemical conjunctivitis of her left eye.	1	BARBICIDE (000954-00011) Alkyl* dimethyl benzyl ammonium chloride

170249	A 32-year-old male entered his apartment to ventilate two hours after setting off a fogger. Within one-half hour of entering apartment, he developed neurologic and respiratory symptoms. He went to the ED.	1	None	Hot Shot fogger
170250	A 7-year-old female developed oral and ocular irritation and scleral redness after malathion lotion got into her eye and mouth while her mother was applying it to her head for lice control. The product also contained isopropyl alcohol, pine needle oil, and two other ingredients. Her mother took her to an Emergency Department immediately following the incident.	1	None	Isopropanol Malathion Pine oil Terpineols (unspec.) Dipentene dioxide
170251	A 33-year-old male mobile home owner decided to use at nine to 11 canisters of a debug and flea fogger inside of his three bedroom mobile home. He place the activated canisters approximately at noon and returned to his home four hours later. He noticed one of the cans was still fogging and still decided to open the windows to air out the insecticide. It took him approximately two minutes to open the windows, but in that time he inhaled the vapors from the application. He developed number of gastrointestinal, respiratory and neurological symptoms and two hours later he was examined at la local ED and discharged after the examination without treatment. He reported reading the label before fogging the home. He surpassed the number of canisters recommended in the product label for a three bedroom home.	1	HOT SHOT BEDBUG & FLEA FOGGER (001021-01674)	N-Octyl bicycloheptene dicarboximide Piperonyl butoxide Pyrethrins Esfenvalerate Pyriproxyfen
170253	A 26-year-old female activities director at a senior living facility was cleaning the interior of the facility's bus when the bleach spray deflected off metal into her eye. She rinsed for 10 minutes and sought medical attention. Her eye was irritated, but there was no abrasion or burn.	1	None	Sodium hypochlorite
170255	While at a customer's house sawing wood, a 51-year-old owner of a construction services company was exposed to wood dust suspected of being contaminated with an insecticide concentrate that the customer had sprayed on cellulose insulation in his attic and on the exterior siding of his house a week earlier to control wood-destroying insects. The homeowner had not informed him of the prior pesticide application before he began sawing. He got sawdust on his face, eyes, hands, and arms. He wore safety glasses, but no other personal protective equipment. He developed dermal burning and irritation, and ocular irritation a few hours after the exposure. He took several showers that evening. His symptoms resolved two days later. He did not seek medical attention after the event.	1	TEMPO 2.5 SC ULTRA (072155-00058)	beta-cyfluthrin Cyfluthrin
170256	A 7-year-old female received her second treatment of lice shampoo from her parent. After the required 10-minute wait, she was allowed to rinse on her own. Instead of rinsing back, water poured over her face and some got in her mouth. Her mouth was rinsed and she drank water. Within the hour, she developed coughing and wheezing. She had no further symptoms after being taken to the ED.	1	None	Piperonyl butoxide Pyrethrum

170257	A 17-year-old male employee at a juice establishment was sprayed in his face, eyes, neck, and arms after the pump sprayer housing from a bleach container came loose. He was spraying bleach into a sink at the time. He immediately developed ocular symptoms in both eyes. While flushing his eyes with water following the incident, some of the rinsate went into his ear, causing tinnitus. He sought medical attention the same day, then again two days later for ongoing tinnitus.	1	BLEACH SANITIZER (003862-00183)	Sodium hypochlorite Unspecified bleach
170258	A 7-year-old female was at a friend's apartment when her friend set off a bug bomb. She was exposed for about 20 minutes. Her mother then came to get her, and was briefly exposed. The fogger had been used for ant control in an upstairs apartment unit. The daughter developed respiratory and gastrointestinal symptoms that resolved within a few hours. The mother developed a headache. No health care was sought.	2	RAID FOGGER K (004822-00452)	Cypermethrin
170259	A 22-year-old male rental assistant at a home lumber store spread a granular herbicide outside. The label required no PPE but he wore gloves. There were some wind gusts and the granules blew in his eye and mouth. He developed eye irritation, dizziness and gastrointestinal symptoms. He sought medical attention.	1	LILLY / MILLER CASORON GRANULES (000802-00536)	Dichlobenil
170262	A 46-year-old female with a history of exercise induced asthma developed respiratory irritation including wheezing and chest pain when maintenance personnel sprayed an insecticide in the office adjacent to hers for ladybugs. The office sprayed has no ventilation and the door was left open. She went outside while the office was ventilated and returned to work the rest of the day with the doors open. Upon return to work the next day, the office smelled worse. She went to a clinic and was transported to the ED. She missed two days of work. Of note, one of the main active ingredients is peanut-based. The product label does not contain notification for allergic populations.	1	None	2-Phenylethyl propionate Oil of cloves Oil of rosemary Oil of thyme
170263	A 60-year-old male foreman for a hops farm was throwing zinc phosphide and inhaled dust from the pellets. He developed neurological, gastrointestinal and respiratory symptoms that persisted three days. He went to the ED.	1	ZP AG PELLETS (012455-00017)	Zinc phosphide (Zn3P2)
170264	A 44-year-old female pesticide handler working in in an apple farm developed a number of ocular and dermal symptoms after she was exposed to a tank mix two herbicides containing paraquat dichloride and indaziflan mixed with two adjuvants. She was checking the spray pressure gauge, as it did not seem to work properly, when she powered the tractor. She proceeded to check the gauge and dropped her safety glasses on the ground. Her face was approximately 1.5 feet away from the gauge, when suddenly gauge hose dislodged spraying her face with the mixed products. She felt immediate burning sensation in her eyes and used the eyewash station located at the farm shop within one minute after the exposure, as she was located close to the shop. She flushed her eyes for over 15 minutes and sought medical attention. She was exanimated and treated within	1	INDAZIFLAM 200 SC HERBICIDE (000264-01106) PARAZONE 3SL (066222-00130)	Paraquat dichloride Triazine-2,4-diamine, N2-[(1R, 2,3-dihydro-2,6-dimethyl-1H-inden-1-yl]-6-[(1R)-1-fluoroethyl]- Paraquat

	one hour after the incident. She missed three days from work. She indicated that the cold weather might affected the performance of the spray application equipment.		
170265	A 49-year-old female sanitation worker inside a food processing plant developed ocular symptoms after a water solution containing sodium hypochlorite hit her eyes while she was scrubbing a ceiling. She sought medical attention the same day and discharged after the examination and treatment. Her employer reported she was wearing safety glasses while she scrubbed the ceiling. She was supposed to be wearing goggles for overhead exposure. She was re-trained personal protective equipment requirements for chores involving potential overhead exposure.	1	SAF-GARD (001744-20001) Sodium hypochlorite
170266	A 45-year-old female was asked to rinse an industrial oven in a meat processing facility. The oven was treated with a cleaner containing sodium hydroxide. She used a hose with hot water to rinse the product out of the oven. It was reposted that she open the water hose full board and the rinsed material ricochet onto her eye. She reported the material hitting her left eye more than once. She reported pain and rinsed her eye for 15 minutes at work. She went home and continue having ocular symptoms. She sought medical attention two days later. The product hydrogen ion concentration is more than 13.5 and SDS recommends the use of chemical splash goggles or face shield to protect the eyes. She wore safety glasses. The incident occurred on her first day at work.	1	None Sodium hydroxide
170267	A 54-year-old female financial manager for a state agency developed respiratory irritation and difficulty breathing after employees used disinfecting wipes to clean their work areas. The manager asked individuals to stop using cleaning agents that morning, but then others would use them. The office was packing up preparing for new carpet to be put in. She went to the urgent clinic.	1	CLOROX DISINFECTING WIPES (067619-00009) Alkyl* dimethyl benzyl ammonium chloride Alkyl* dimethyl ethylbenzyl ammonium chloride
170268	A 40-year-old male working in an apple orchard developed ocular symptoms after he ran over a pressurized can of behavior modifying biochemical (pheromones) for the disruption of codling moth mating. He was using an excavator tractor when he accidentally drove his tractor over the container. At the time of the incident, his face was covered with a bandana. However, he was not wearing eye protection as he reported was only excavating soil. He could not open his eyes after he was hit with the spray and decontaminated 10 minutes later. He also reported being hit with some soil after he crushed the can.	1	ISOMATE CM MIST PLUS (053575-00049) (E,E)-8,10-Dodecadien-1-ol
170269	Patient, an 11-year-old female, developed ocular, neurological, and gastrointestinal symptoms after her mother spread a borax product across a floor in their apartment. The child had been sleeping where the borax had been used. Her exposure was dermal and inhalation. She was taken to an urgent care a day after her symptoms developed. Her symptoms lasted one week.	1	None Borax (B4Na2O7.10H2O)

170270	A 22-year-old female secretary for a farm went outside to get the mail. An employee with the same farm was spraying fungicide to the orchards. She tasted the pesticide, felt it on her skin and ran back inside. She developed respiratory and dermal irritation and gastrointestinal health effects. She went to the ED.	1	NU-COP 50 DF (045002-00004)	Copper hydroxide
170272	A 7-year-old female developed ocular symptoms after her mother accidentally got some lice killing shampoo in her eyes while washing her hair at home. Following the incident, her mother rinsed her eyes, but not for the full 15 minutes advised by Poison Control. Her mother took her to an ED for follow up care shortly after the incident. She was treated, and diagnosed with corneal burn. At the time of the interview with the mother six weeks after the incident, her daughter was doing much better.	1	None	Piperonyl butoxide
170273	A 32-year-old male water irrigation district employee developed ocular symptoms after he was hit with an herbicide solution containing the herbicide Diuron. His was working with a pressure dial gage when the feeding hose dislodged discharging the solution onto his face and eyes. He rinsed his eyes for 10 minutes and removed his contaminated clothes. Half-hour later his eyes started to burn. He sought medical attention the same day. He was not wearing his eye protection when the incident occurred. The label of the product does not require the use of eye protection for applicators and handlers.	1	DREXEL DIURON 4L HERBICIDE (019713-00036)	Diuron
170274	A 52-year-old irrigation district worker received spray mist to his eyes while in a truck spraying an aquatic algacide into an irrigation canal. The wind shifted, causing some spray to enter a window in his truck. He rinsed his eyes immediately following the exposure, but still developed ocular symptoms. He went to an ED the same day, and was diagnosed with chemical conjunctivitis. His ocular symptoms resolved later the same day.	1	HYDROTHOL 191 AQUATIC ALGICIDE AND HERBICIDE (070506-00175)	Endothall, mono(N,N-dimethylcocoamine) salt
170275	A 48-year-old woman experienced respiratory and gastrointestinal symptoms after bug-bombs were set-off in the common areas of her apartment building by her landlord. She walked through the building's common areas on her way to her apartment, breathing in the spray while the bug bombs discharged. She immediately began coughing and feeling nauseous then vomited. She estimates exposure lasted about a minute. Her symptoms lasted about an hour after getting to fresh air and resolved without medical care.	1	None	unspecified bug bomb
170277	A 68-year-old female sprayed half the contents each of two insecticides around the perimeter of three rooms for ants. All windows were closed. Her socks were soaked with insecticide and she recalled that the vapor touched her face and legs. After spraying, she did not feel well and rested. She had cough, headache and nausea. She awoke to find her feet were numb. She did not open any windows in the treated rooms for over three weeks, and often worked in her office, where the insecticide smell persisted. She had used pesticides in her home in the past	1	RAID ANT & ROACH 17 (004822-00447) SAV-ON OSCO BY ALBERTSON'S FLYING INSECT KILLER (046515-00048)	d-trans-Allethrin Imiprothrin Permethrin, mixed cis,trans Cypermethrin

	without problems. After seeking medical attention for exacerbation of preexisting fibromyalgia, she began ventilating the treated areas.		
170278	A 51-year-old male apple orchard owner was digging a water trench at his farm when he reported that neighbor spraying a fungicide containing copper hydroxide on an air-blaster, drifted him. He reported seeing the mist on his eyeglasses and developed ocular symptoms. He rinsed his eyes for 10 minutes and the next day decided to visit an optometrist. He was seen twice at the eye clinic. WSDA investigated and could not verify that the alleged drift was possible due to the extensive time between the application and the complaint. Still, WSDA issued an advisory letter to the neighboring orchard indicating that the closest weather station recorded wind directions out of the east or moving in the direction of the complainant the morning of the event.	1	NU-COP 50 DF (045002-00004) Copper hydroxide
170279	A 31-year-old male filter technician at a fruit processing plant reports that he was exposed to antimicrobial pesticides while he was changing filters and adding calcium to a tank mix. While checking levels and spraying equipment down with chlorine dioxide he experienced difficulty breathing which worsened as he worked during the first hour of the morning. He reports head, chest and throat irritation, and tingling in his limbs. He sought medical care that same morning at a community hospital ED, where he was diagnosed with having experienced symptoms related to chemical exposure.	1	AQUA-CLEAR (002155-00063) Diquat dibromide Chlorine dioxide
170280	A 28-year-old female medical assistant at an orthopedic care facility was accidentally sprayed in her face and eyes with a foam hand sanitizer after pulling on the dispenser. She immediately developed ocular symptoms in both eyes. She sought medical attention the same day, and was diagnosed with chemical conjunctivitis.	1	None Alcohols, Cx - Cxx
170281	A 22-year-old female housing complex maid reported entering an apartment that was infested with fleas. She reported developing itching on her legs and her supervisor sprayed a flea fogger containing two pyrethroid active ingredients right on top of the pants she was wearing. At the time of the application she didn't smell or taste the spray. However, 10 minutes later, she developed respiratory symptoms that related to the irritant properties of the fogger. She sought medical attention four days later and was seen again for follow-up seven days after her first visit. She recovered at the time she was seen for the follow-up visit.	1	HOT SHOT FOGGER WITH ODOR NEUTRALIZER (009688-00309) Tetramethrin Cypermethrin
170283	While working inside a client's apartment, a 24-year-old female home care worker developed bilateral eye pain after a bleach product she was using sprayed into her eyes and face. The bottle was damaged, and the nozzle was not functioning properly. She sought medical attention at an emergency department the same day. Her symptoms subsided considerably after her eyes were rinsed, but at the time of the interview with the patient over two months after the incident, the patient was still experiencing eye irritation.	1	BLEACH & DISINFECTANT (061903-00001) Sodium hypochlorite Unspecified bleach

170285	A 43-year-old female hotel room attendant developed ocular symptoms in her left eye after receiving spray back into her eye from a corrosive cleaning solution she was using to clean a bathroom window. She rinsed her eye immediately following the exposure, and sought medical attention the same day.	1 63 ALKALINE BATHROOM CLEANER & DISINFECTANT (006836-00078)	Alkyl* dimethyl benzyl ammonium chloride Didecyl dimethyl ammonium chloride Octyl decyl dimethyl ammonium chloride
180002	Four 8 oz. prepackaged sachets of moth balls were placed in a multi-bedroom rental cabin. Contrary to label instructions, the sachets were placed in inaccessible but uncontained areas. A multi-family group of 24 persons, including two pregnant women and eight children younger than 8-years of age, stayed in the rental for 2-3 nights. It was winter and windows were closed. Twelve persons reported developing headache; five of them also reported gastrointestinal symptoms. No health effects were observed or reported for eight family members. Three of the four sachets were discovered and removed by family members the day after most (21) of them had arrived. Family members noted upon return home that the moth ball odor permeated clean clothing and a CPAP mask worn for sleep apnea. Family members contacted WAPC after returning home. Sachets had been removed by the time WSDA investigated on-site. The property owner identified the product he purchased and confirmed placing them around the cabin for moth control. The person who cleans the lodge did not report any health effects.	8 ENOZ OLD FASHIONED MOTH BALLS (001475-00074)	Naphthalene

Extracted from DOH-334-391 March 2018