

WSDA 2001 Case Data

<u>Case#</u> Y016 2001	<u>Designation</u> Pesticide Involved <u>License</u> Unknown	<u>Date of Incident</u> 05/19/01	<u>Severity</u> 5	<u>Application Method</u> Ground
<u>County</u> Franklin	<u>Nature of Case</u> Dog Deaths	<u>Response time</u> same day	<u>Children Involved?</u> No	<u>Application Type</u> Ag
<u>Chemicals or other material involved</u>		<u>Other Agencies/Contacts</u>	<u>Final Action</u>	<u>Target/Complaint Area</u>
rodenticide strychnine		U of I	NAI	unknown/dogs

Complaint Two dogs roamed off property. Died of strychnine ingestion.

Finding Stomach contents analyzed an University of Idaho were positive for strychnine. Could not determine source. No sales to possible applicator found in records.

<u>Case#</u> Y017 2001	<u>Designation</u> Pesticide Involved <u>License</u> Unknown	<u>Date of Incident</u> Spring, 2001	<u>Severity</u> 1	<u>Application Method</u> Unknown
<u>County</u> Benton	<u>Nature of Case</u> Drift	<u>Response time</u> same day	<u>Children Involved?</u> No	<u>Application Type</u> Ag
<u>Chemicals or other material involved</u>		<u>Other Agencies/Contacts</u>	<u>Final Action</u>	<u>Target/Complaint Area</u>
herbicide phenoxy		None	NAI	grapes

Complaint Phenoxy symptoms on grapes. Wants WSDA to document symptoms.

Finding WSDA obtained positive herbicide residue analysis. Complainant would not furnish requested information needed to continue case. Case dropped.

<u>Case#</u> Y018 2001	<u>Designation</u> Pesticide Involved <u>License</u> NA	<u>Date of Incident</u> 05/18/01	<u>Severity</u> 4	<u>Application Method</u> Ground
<u>County</u> Franklin	<u>Nature of Case</u> Direct	<u>Response time</u> same day	<u>Children Involved?</u> No	<u>Application Type</u> Ag
<u>Chemicals or other material involved</u>		<u>Other Agencies/Contacts</u>	<u>Final Action</u>	<u>Target/Complaint Area</u>
herbicide clethodim		EPA	Referred to EPA	apple nursery stock

Complaint Applied herbicide in spot treatment as per label. Damage to nursery stock estimated over one million dollars.

Finding Has used previously without problems. Manufacturer and EPA contacted. Possible contamination. Referred to EPA.

<u>Case#</u> Y019 2001	<u>Designation</u> Incident <u>License</u> Public Operator	<u>Date of Incident</u> 06/07/01	<u>Severity</u> 2	<u>Application Method</u> Ground
<u>County</u> Klickitat	<u>Nature of Case</u> Drift	<u>Response time</u> same day	<u>Children Involved?</u> No	<u>Application Type</u> ROW
<u>Chemicals or other material involved</u>		<u>Other Agencies/Contacts</u>	<u>Final Action</u>	<u>Target/Complaint Area</u>
herbicide 2,4-d		None	NAI	ROW/grapes

Complaint Herbicide symptoms in vineyard following ROW application by DOT.

Finding Symptoms were present prior to the application. No residue found in adjacent area.

NAI = No Action Indicated NOC=Notice of Correction NOI=Notice of Intent ROW=Right of Way WDO=Wood Destroying Organism RUP=Restricted Use Pesticide

WSDA 2001 Case Data

<u>Case#</u> Y020 2001	<u>Designation</u> Violation	<u>License</u> Unlicensed Dealer Mgr.	<u>Date of Incident</u> 06/14/01	<u>Severity</u> 2	<u>Application Method</u> Ground
<u>County</u> Benton	<u>Nature of Case</u> Drift		<u>Response time</u> same day	<u>Children Involved?</u> No	<u>Application Type</u> Non Ag
<u>Chemicals or other material involved</u>			<u>Other Agencies/Contacts</u>	<u>Final Action</u>	<u>Target/Complaint Area</u>
herbicide miscellaneous			None	NOCs/NOI	ROW/Trees

Complaint Damage to cottonwood trees and shrubs following a fence line application for weeds.

Finding Five sales of WSDA RUP's were made to four unlicensed individuals. All sales records were deficient. One individual applied contrary to label, causing the damage.

<u>Case#</u> Y021 2001	<u>Designation</u> Violation	<u>License</u> Commercial	<u>Date of Incident</u> 06/29/01	<u>Severity</u> 2	<u>Application Method</u> Air
<u>County</u> Benton	<u>Nature of Case</u> Bees		<u>Response time</u> same day	<u>Children Involved?</u> No	<u>Application Type</u> Ag
<u>Chemicals or other material involved</u>			<u>Other Agencies/Contacts</u>	<u>Final Action</u>	<u>Target/Complaint Area</u>
insecticide malathion			None	NOC	cherries/bees

Complaint Bee kill. Thirteen hives killed after application of malathion to cherries.

Finding Small trace of malathion found in bee sample. None in area around hives. May have encountered in the air. Wind blowing away from hives. No blooming weeds in orchard. NOC for records.

<u>Case#</u> Y022 2001	<u>Designation</u> Pesticide Involved	<u>License</u> Commercial	<u>Date of Incident</u> 02/01/01	<u>Severity</u> 1	<u>Application Method</u> Ground
<u>County</u> Yakima	<u>Nature of Case</u> Drift		<u>Response time</u> same day	<u>Children Involved?</u> No	<u>Application Type</u> Ag
<u>Chemicals or other material involved</u>			<u>Other Agencies/Contacts</u>	<u>Final Action</u>	<u>Target/Complaint Area</u>
herbicide miscellaneous			None	NAI	grapes/corn

Complaint Herbicide drift damage to grapes from application to corn.

Finding No residue of corn herbicides found in the grapes or area. Trace of glyphosate applied by complainant was found in grape leaves.

<u>Case#</u> Y023 2001	<u>Designation</u> Violation	<u>License</u> Unlicensed	<u>Date of Incident</u> 07/10/01	<u>Severity</u> 3	<u>Application Method</u> Ground
<u>County</u> Benton	<u>Nature of Case</u> Drift		<u>Response time</u> one day	<u>Children Involved?</u> No	<u>Application Type</u> Ag
<u>Chemicals or other material involved</u>			<u>Other Agencies/Contacts</u>	<u>Final Action</u>	<u>Target/Complaint Area</u>
herbicide clopyralid	herbicide 2,4-D	glyphosate	None	NOC	weeds/grapes

Complaint Drift from application to roadside weeds damaged grapes.

Finding Residue and symptoms positive for glyphosate and 2,4-D. Application made without valid license. Applied to a site that is not on the label.

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WSDA 2001 Case Data

<u>Case#</u> Y024 2001	<u>Designation</u> Violation	<u>License</u> Private Applicator	<u>Date of Incident</u> 07/20/01	<u>Severity</u> 2	<u>Application Method</u> Ground
<u>County</u> Yakima	<u>Nature of Case</u> Drift		<u>Response time</u> same day	<u>Children Involved?</u> No	<u>Application Type</u> Ag
<u>Chemicals or other material involved</u>			<u>Other Agencies/Contacts</u>	<u>Final Action</u>	<u>Target/Complaint Area</u>
fungicide myclobutanil			None	NOC	apples/apples

Complaint Smelled and observed drift from neighbors application to apple trees. Moved his orchard workers for concern they might be drifted on. (No complaints filed.)

Finding Residue found off target. Records incomplete.

<u>Case#</u> Y025 2001	<u>Designation</u> Violation	<u>License</u> Commercial	<u>Date of Incident</u> 07/24/01	<u>Severity</u> 2	<u>Application Method</u> Air
<u>County</u> Yakima	<u>Nature of Case</u> Human Exposure		<u>Response time</u> same day	<u>Children Involved?</u> No	<u>Application Type</u> Ag
<u>Chemicals or other material involved</u>			<u>Other Agencies/Contacts</u>	<u>Final Action</u>	<u>Target/Complaint Area</u>
insecticide azinphos-methyl			DOH	NOI	apples/person, horses

Complaint Aerial application to apples drifted on person in field about 100 feet from orchard. No health symptoms.

Finding Verified, residue on clothes. Person immediately showered and changed clothes.

<u>Case#</u> Y026 2001	<u>Designation</u> Violation	<u>License</u> Unlicensed	<u>Date of Incident</u> 07/12/01	<u>Severity</u> 3	<u>Application Method</u> Ground
<u>County</u> Yakima	<u>Nature of Case</u> Misuse		<u>Response time</u> same day	<u>Children Involved?</u> No	<u>Application Type</u> Ag
<u>Chemicals or other material involved</u>			<u>Other Agencies/Contacts</u>	<u>Final Action</u>	<u>Target/Complaint Area</u>
herbicide glyphosate			None	NOC	apple, chemicals/ornamentals

Complaint Complainant suspects his neighbor deliberately sprayed his lawn, roses, and barberry while he was out of town.

Finding Glyphosate applied in area at same time as orchard application. Not sure of exact property line. Evidence of drift to barberry bush.

<u>Case#</u> Y027 2001	<u>Designation</u> Violation	<u>License</u> Private Applicator	<u>Date of Incident</u> 07/31/01	<u>Severity</u> 2	<u>Application Method</u> Ground
<u>County</u> Yakima	<u>Nature of Case</u> Human Exposure		<u>Response time</u> same day	<u>Children Involved?</u> Yes	<u>Application Type</u> Ag
<u>Chemicals or other material involved</u>			<u>Other Agencies/Contacts</u>	<u>Final Action</u>	<u>Target/Complaint Area</u>
insecticide azinphos-methyl			DOH	NOI	apples/person
	myclobutanil	sulfur			

Complaint Application to apple orchard drifted on child in adjacent yard.

Finding Residue found on boy's clothing and property in area. No symptoms of pesticide exposure.

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WSDA 2001 Case Data

<u>Case#</u> Y028 2001	<u>Designation</u> Violation	<u>License</u> Private Applicator	<u>Date of Incident</u> 08/01/01	<u>Severity</u> 2	<u>Application Method</u> Ground
<u>County</u> Yakima	<u>Nature of Case</u> Human Exposure		<u>Response time</u> same day	<u>Children Involved?</u> No	<u>Application Type</u> Ag
<u>Chemicals or other material involved</u>			<u>Other Agencies/Contacts</u>	<u>Final Action</u>	<u>Target/Complaint Area</u>
insecticides miscellaneous			None	NOC	apples/person

Complaint Application to apples is causing person in adjacent residence to feel ill.

Finding Iron and manganese applied according to records. Residue detected for several insecticides. Health effects not validated.

<u>Case#</u> Y029 2001	<u>Designation</u> Violation	<u>License</u> Commercial Applicator/Unlicensed	<u>Date of Incident</u> 06/13/01	<u>Severity</u> 4	<u>Application Method</u> Ground
<u>County</u> Klickitat	<u>Nature of Case</u> Drift		<u>Response time</u> same day	<u>Children Involved?</u> No	<u>Application Type</u> Row
<u>Chemicals or other material involved</u>			<u>Other Agencies/Contacts</u>	<u>Final Action</u>	<u>Target/Complaint Area</u>
herbicide triclopyr			None	NOI	ROW/pears

Complaint Application to weeds and blackberries drifted onto pears. Damage estimate is \$6,750.00

Finding Application made without licensed person on site. Evidence of drift. Records incomplete.

<u>Case#</u> Y030 2001	<u>Designation</u> Pesticide Involved	<u>License</u> Unknown	<u>Date of Incident</u> 08/01/01	<u>Severity</u> 5	<u>Application Method</u> Unknown
<u>County</u> Benton	<u>Nature of Case</u> Dog Deaths		<u>Response time</u> same day	<u>Children Involved?</u> No	<u>Application Type</u> Ag
<u>Chemicals or other material involved</u>			<u>Other Agencies/Contacts</u>	<u>Final Action</u>	<u>Target/Complaint Area</u>
herbicide paraquat			WSU	NAI	unknown/dogs

Complaint Two dogs died, others are sick. Suspects paraquat poisoning.

Finding Vet states symptoms consistent with paraquat poisoning. No open, empty or unattended containers found. Two locations where paraquat may have been used.

<u>Case#</u> Y031 2001	<u>Designation</u> Pesticide Involved	<u>License</u> Commercial	<u>Date of Incident</u> 06/29/01	<u>Severity</u> 3	<u>Application Method</u> Ground
<u>County</u> Adams	<u>Nature of Case</u> Direct		<u>Response time</u> same day	<u>Children Involved?</u> No	<u>Application Type</u> Ag
<u>Chemicals or other material involved</u>			<u>Other Agencies/Contacts</u>	<u>Final Action</u>	<u>Target/Complaint Area</u>
herbicide imazethapyr			EPA	Referred to EPA	potatoes/grapes

Complaint Grapes damaged after application to potatoes during a temperature inversion. WSDA conducted a use observation.

Finding Labels lack adequate instructions for cleaning equipment. Crop damage from previous herbicide following tank cleaning. Applicator did more than label requires, but still inadequate. Referred to EPA.

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WSDA 2001 Case Data

<u>Case#</u> Y032 2001	<u>Designation</u> Incident	<u>License</u> NA	<u>Date of Incident</u> 05/01/01	<u>Severity</u> 0	<u>Application Method</u> NA
<u>County</u> Yakima	<u>Nature of Case</u> Misuse		<u>Response time</u> same day	<u>Children Involved?</u> No	<u>Application Type</u> Non Ag
<u>Chemicals or other material involved</u>			<u>Other Agencies/Contacts</u>	<u>Final Action</u>	<u>Target/Complaint Area</u>
None None			None	NAI	paint

Complaint Concerned that 20 year old paint applied in storage lockers has pesticides in it because it was old, smelled and was used to kill spiders.

Finding No residues of organochlorine pesticides found.

<u>Case#</u> Y033 2001	<u>Designation</u> Incident	<u>License</u> Commercial	<u>Date of Incident</u> 07/21/01	<u>Severity</u> 1	<u>Application Method</u> Air
<u>County</u> Yakima	<u>Nature of Case</u> Bee Kill		<u>Response time</u> three days	<u>Children Involved?</u> No	<u>Application Type</u> Ag
<u>Chemicals or other material involved</u>			<u>Other Agencies/Contacts</u>	<u>Final Action</u>	<u>Target/Complaint Area</u>
miticide propargite			None	NAI	corn/bees

Complaint Application to corn affecting two hives. Beekeeper wanted kill documented for record.

Finding Beekeeper would not state where hives were (moved) nor allow sample collection. No warning on label regarding bees.

<u>Case#</u> Y034 2001	<u>Designation</u> Violation	<u>License</u> Unlicensed	<u>Date of Incident</u> 07/02/01	<u>Severity</u> 5	<u>Application Method</u> Ground
<u>County</u> Franklin	<u>Nature of Case</u> Dog Deaths		<u>Response time</u> same day	<u>Children Involved?</u> No	<u>Application Type</u> Non Ag
<u>Chemicals or other material involved</u>			<u>Other Agencies/Contacts</u>	<u>Final Action</u>	<u>Target/Complaint Area</u>
insecticide aldicarb			Sheriff	NOC?	dogs

Complaint Neighbor allegedly baited a sheep carcass with aldicarb. Two dogs died.

Finding Verified. Final report waiting for court trial.

<u>Case#</u> Y035 2001	<u>Designation</u> Violation	<u>License</u> Private Applicator	<u>Date of Incident</u> 07/13/01	<u>Severity</u> 2	<u>Application Method</u> Ground
<u>County</u> Yakima	<u>Nature of Case</u> Misuse		<u>Response time</u> same day	<u>Children Involved?</u> No	<u>Application Type</u> ROW
<u>Chemicals or other material involved</u>			<u>Other Agencies/Contacts</u>	<u>Final Action</u>	<u>Target/Complaint Area</u>
herbicide 2,4-d			None	Verbal Warning	weeds

Complaint Applying phenoxy-type herbicide in excessive heat. WSDA recorded the temperature at 91 degrees F at 3:57 PM.

Finding WSDA observed an application phenoxy-type herbicide in excessive heat. Temperature recorded at 91 degrees. Application was stopped when WSDA informed the alleged infractor that there was an 85 degree cut off.

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WSDA 2001 Case Data

<u>Case#</u> Y036 2001	<u>Designation</u> Violation	<u>License</u> Private Applicator	<u>Date of Incident</u> 03/28/01	<u>Severity</u> 2	<u>Application Method</u> Ground
<u>County</u> Benton	<u>Nature of Case</u> Misuse		<u>Response time</u> same day	<u>Children Involved?</u> No	<u>Application Type</u> Ag
<u>Chemicals or other material involved</u>			<u>Other Agencies/Contacts</u>	<u>Final Action</u>	<u>Target/Complaint Area</u>
herbicide glyphosate			None	NOC	grapes

Complaint Applying herbicide to grapes during a temperature inversion. WSDA conducted a use observation.

Finding Verified. Also records violations.

<u>Case#</u> Y037 2001	<u>Designation</u> Pesticide Involved	<u>License</u> Unlicensed	<u>Date of Incident</u> 06/27/01	<u>Severity</u> 2	<u>Application Method</u> Air
<u>County</u> Franklin/Adams	<u>Nature of Case</u> License		<u>Response time</u> same day	<u>Children Involved?</u> No	<u>Application Type</u> Ag
<u>Chemicals or other material involved</u>			<u>Other Agencies/Contacts</u>	<u>Final Action</u>	<u>Target/Complaint Area</u>
NA NA			None	NAI	license

Complaint Making applications without having renewed commercial applicator license.

Finding Made applications without having renewed commercial applicator license. License was renewed after case was initiated.

<u>Case#</u> Y038 2001	<u>Designation</u> Violation	<u>License</u> Private Ap/ Com Consultant/ Dir Mgr	<u>Date of Incident</u> 05/06/01	<u>Severity</u> 4	<u>Application Method</u> Ground
<u>County</u> Columbia	<u>Nature of Case</u> Misuse		<u>Response time</u> same day	<u>Children Involved?</u> No	<u>Application Type</u> Ag
<u>Chemicals or other material involved</u>			<u>Other Agencies/Contacts</u>	<u>Final Action</u>	<u>Target/Complaint Area</u>
herbicide fenoxaprop-ethyl			None	NOLs/NO	timothy hay

Complaint Unlabeled herbicide application on timothy hay caused significant crop loss.

Finding Chemical company rep recommended site not on the label. No tolerance. Caused 50% yield loss. Sample of hay was negative. Use was contrary to label. Records violations.

<u>Case#</u> Y039 2001	<u>Designation</u> Violation	<u>License</u> Commercial Consultant	<u>Date of Incident</u> 04/04/01	<u>Severity</u> 4	<u>Application Method</u> Ground
<u>County</u> Benton	<u>Nature of Case</u> Direct Application		<u>Response time</u> same day	<u>Children Involved?</u> No	<u>Application Type</u> Ag
<u>Chemicals or other material involved</u>			<u>Other Agencies/Contacts</u>	<u>Final Action</u>	<u>Target/Complaint Area</u>
herbicide diuron			None	NOC	Apples

Complaint Herbicide symptoms detected in apple trees and poplar wind breaks. Requested symptoms be documented. Orchard is managed from an outside owner.

Finding Herbicide applied on sandy soils contrary to label.

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WSDA 2001 Case Data

<u>Case#</u> Y040 2001	<u>Designation</u> Violation	<u>License</u> Commercial	<u>Date of Incident</u> 08/30/01	<u>Severity</u> 3	<u>Application Method</u> Air
<u>County</u> Walla Walla	<u>Nature of Case</u> Human Exposure		<u>Response time</u> same day	<u>Children Involved?</u> Yes	<u>Application Type</u> Ag
<u>Chemicals or other material involved</u>			<u>Other Agencies/Contacts</u>	<u>Final Action</u>	<u>Target/Complaint Area</u>
fungicide chlorothalonil	insecticide permethrin		None	NOI	potatoes/persons

Complaint Application drifted onto truck and people. Some nasal irritation.

Finding Clothing samples and windshield tested positive.

<u>Case#</u> Y041 2001	<u>Designation</u> Pesticide Involved	<u>License</u> Commercial	<u>Date of Incident</u> 09/06/01	<u>Severity</u> 1	<u>Application Method</u> Air
<u>County</u> Benton	<u>Nature of Case</u> Misuse		<u>Response time</u> same day	<u>Children Involved?</u> No	<u>Application Type</u> Ag
<u>Chemicals or other material involved</u>			<u>Other Agencies/Contacts</u>	<u>Final Action</u>	<u>Target/Complaint Area</u>
herbicide picloram			None	NAI	Arid land reserve/grapes

Complaint Complaint stated that an aerial application of a phenoxy type herbicides was being made in an area closed for phenoxy type herbicides.

Finding WSDA determined that the area was not closed.

<u>Case#</u> Y042 2001	<u>Designation</u> Pesticide Involved	<u>License</u> Unknown	<u>Date of Incident</u> 07/04/01	<u>Severity</u> 1	<u>Application Method</u> Air
<u>County</u> Benton	<u>Nature of Case</u> Human Exposure		<u>Response time</u> 3 days	<u>Children Involved?</u> No	<u>Application Type</u> Ag
<u>Chemicals or other material involved</u>			<u>Other Agencies/Contacts</u>	<u>Final Action</u>	<u>Target/Complaint Area</u>
insecticide A2	fungicide miscellaneous		L&I	NAI	unknown

Complaint Referral from L&I that a possible human exposure occurred during an aerial application of pesticides.

Finding Case terminated because too much time had elapsed to obtain evidence before referral was made.

<u>Case#</u> Y043 2001	<u>Designation</u> Incident	<u>License</u> Unknown	<u>Date of Incident</u> 07/29/01	<u>Severity</u> 2	<u>Application Method</u> Ground
<u>County</u> Benton	<u>Nature of Case</u> Drift		<u>Response time</u> one day	<u>Children Involved?</u> No	<u>Application Type</u> Non Ag
<u>Chemicals or other material involved</u>			<u>Other Agencies/Contacts</u>	<u>Final Action</u>	<u>Target/Complaint Area</u>
herbicide dicamba			WSU	NAI	lawn/trees

Complaint Companies said an aerial applicator spraying nearby potato fields damaged three Sycamore trees.

Finding No aerial application was made to potatoes. Damage was caused by root uptake of dicamba to adjacent lawn. Also disease and mildew.

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WSDA 2001 Case Data

<u>Case#</u> Y044 2001	<u>Designation</u> Incident	<u>License</u> Unlicensed	<u>Date of Incident</u> 08/24/01	<u>Severity</u> 4	<u>Application Method</u> Ground
<u>County</u> Benton	<u>Nature of Case</u> Misuse		<u>Response time</u> same day	<u>Children Involved?</u> No	<u>Application Type</u> Non Ag
<u>Chemicals or other material involved</u>			<u>Other Agencies/Contacts</u>	<u>Final Action</u>	<u>Target/Complaint Area</u>
herbicide unknown			None	NAI	ornamentals, lawn

Complaint Plants and lawn were damaged and wilting.

Finding Spray pattern of damage was apparent. Possibly due to gasoline. Damage estimate \$1,200.00 Complainant went to civil court.

<u>Case#</u> Y045 2001	<u>Designation</u> Incident	<u>License</u> Unknown	<u>Date of Incident</u> 07/31/01	<u>Severity</u> 2	<u>Application Method</u> Ground
<u>County</u> Yakima	<u>Nature of Case</u> Human Exposure		<u>Response time</u> same day	<u>Children Involved?</u> No	<u>Application Type</u> Ag
<u>Chemicals or other material involved</u>			<u>Other Agencies/Contacts</u>	<u>Final Action</u>	<u>Target/Complaint Area</u>
insecticide clay			BIA	NAI	apples/person

Complaint Motorcyclist was drifted on during application to apples. No health symptoms.

Finding Product applied was Clay (Kaolin.) Evidence of residue in area. No sample collected. Indian property. Case was turned over to Bureau of Indian Affairs.

<u>Case#</u> Y046 2001	<u>Designation</u> Violation	<u>License</u> Private Applicator	<u>Date of Incident</u> 09/07/01	<u>Severity</u> 3	<u>Application Method</u> Ground
<u>County</u> Walla Walla	<u>Nature of Case</u> Drift		<u>Response time</u> same day	<u>Children Involved?</u> No	<u>Application Type</u> Ag
<u>Chemicals or other material involved</u>			<u>Other Agencies/Contacts</u>	<u>Final Action</u>	<u>Target/Complaint Area</u>
herbicide paraquat			None	NOC	alfalfa seed/alfalfa

Complaint Spotting on alfalfa fields.

Finding Desiccant drift off target.

<u>Case#</u> Y047 2001	<u>Designation</u> Pesticide Involved	<u>License</u> Private Applicator	<u>Date of Incident</u> 2001	<u>Severity</u> 3	<u>Application Method</u> Ground
<u>County</u> Yakima	<u>Nature of Case</u> Drift		<u>Response time</u> one day	<u>Children Involved?</u> No	<u>Application Type</u> Ag
<u>Chemicals or other material involved</u>			<u>Other Agencies/Contacts</u>	<u>Final Action</u>	<u>Target/Complaint Area</u>
herbicide glyphosate			None	NOC	road/grapes

Complaint Herbicide symptoms on grapes 10 rows back from road about 200 feet. Believes neighbor sprayed driveway.

Finding Glyphosate residue detected from driveway spray drift. Also 2,4-D and dicamba residue. Source unknown.

NAI = No Action Indicated NOC=Notice of Correction NOI=Notice of Intent ROW=Right of Way WDO=Wood Destroying Organism RUP=Restricted Use Pesticide

WSDA 2001 Case Data

<u>Case#</u> Y048 2001	<u>Designation</u> Violation	<u>License</u> Commercial	<u>Date of Incident</u> 09/08/01	<u>Severity</u> 5	<u>Application Method</u> Air
<u>County</u> Yakima	<u>Nature of Case</u> Human Exposure		<u>Response time</u> same day	<u>Children Involved?</u> Yes	<u>Application Type</u> Ag
<u>Chemicals or other material involved</u>			<u>Other Agencies/Contacts</u>	<u>Final Action</u>	<u>Target/Complaint Area</u>
insecticide di-syston	insecticide malathion		Poison Control, DOH	NOI	asparagus/person, animals

Complaint Aerial application to asparagus field caused death of 5 goats, 1 cow. Five year old son also ill and went to the hospital.

Finding Verified. Son treated and released. Residue found in the asparagus.

WSDA 2001 Case Data

The following four cases were not included in the analysis due to late submission.

<u>Case#</u> Y049 * 2001	<u>Designation</u> Violation	<u>License</u> Public Operator	<u>Date of Incident</u> 03/11/01	<u>Severity</u> 3	<u>Application Method</u> Ground
<u>County</u> Franklin	<u>Nature of Case</u> Drift		<u>Response time</u> same day	<u>Children Involved?</u> No	<u>Application Type</u> Non Ag
<u>Chemicals or other material involved</u>			<u>Other Agencies/Contacts</u>	<u>Final Action</u>	<u>Target/Complaint Area</u>
herbicide			None	NOC	ROW/vineyard

Complaint Suspects ROW application moving into vineyard and trees in front of house. Plants exhibiting symptoms of stunted growth and deformed leaves. Pattern observed most severely near ROW, decreasing nearly 30 feet into vineyard.

Finding Four different applications made by different applicators. Samples positive for active ingredient in ROW. Vineyard samples positive for herbicide applied by all four.

<u>Case#</u> Y050 * 2001	<u>Designation</u> Pesticide involved	<u>License</u> N/A	<u>Date of Incident</u> 10/24/01	<u>Severity</u> 2	<u>Application Method</u> Ground
<u>County</u> Yakima	<u>Nature of Case</u> Drift		<u>Response time</u> same day	<u>Children Involved?</u> No	<u>Application Type</u> Non Ag
<u>Chemicals or other material involved</u>			<u>Other Agencies/Contacts</u>	<u>Final Action</u>	<u>Target/Complaint Area</u>
herbicide glyphosate			None	NAI	Weeds/shrubs

Complaint Shrubs damaged along property line and suspects chemical trespass from herbicide spray. Neighbor treated fence line.

Finding No residue was found on arborvitae plants, but Picloram was present. Source is unknown.

<u>Case#</u> Y051 * 2001	<u>Designation</u> Violation	<u>License</u> Unknown	<u>Date of Incident</u> 11/02/01	<u>Severity</u> 1	<u>Application Method</u> Ground
<u>County</u> Benton	<u>Nature of Case</u> Direct Application		<u>Response time</u> same day	<u>Children Involved?</u> No	<u>Application Type</u> Non Ag
<u>Chemicals or other material involved</u>			<u>Other Agencies/Contacts</u>	<u>Final Action</u>	<u>Target/Complaint Area</u>
unknown			None	NOI	Unwanted application/tree

Complaint Person came to house twice insisting on applying pesticides. Made application after dark by pouring something around tree roots without giving any information about chemicals or concentration used.

Finding Had similar case several years ago with same applicator. Unable to track him down.

<u>Case#</u> Y052 * 2001	<u>Designation</u> Violation	<u>License</u> Commercial Applicator	<u>Date of Incident</u> 10/16/01	<u>Severity</u> 2	<u>Application Method</u> Ground
<u>County</u> Benton	<u>Nature of Case</u> Human Exposure		<u>Response time</u> 7 days	<u>Children Involved?</u> Yes	<u>Application Type</u> Non Ag
<u>Chemicals or other material involved</u>			<u>Other Agencies/Contacts</u>	<u>Final Action</u>	<u>Target/Complaint Area</u>
insecticide			None	NOC	house/persons

Complaint Applicator used dust to treat customer's home, leaving large amounts in treated areas. Both applicators' licenses were expired.

Finding Unlicensed commercial applicator left a large amount of pesticide dust in the house. Homeowner and son have been exposed. Sample taken two months after the application tested negative.

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Department of Health

2001 Pesticide Incidents

Annual Summary Report of Definite, Probable, and Possible

Case	Exposure Date	Incident Description
010001	01/14/2001	A 3 y/o boy found "OFF" Insect Repellant in the bathroom and discharged the aerosol into his eyes. Mother irrigated his eyes and immediately drove him to the ER where he was examined and his eyes were irrigated again. Insect repellent: DEET 1 Definite severity: Low/Mild
010003	01/16/2001	A 21 y/o male landscaper applying herbicide, continued pumping trigger on spray bottle to "pressure-away" debris and the container sprayed into his face and eye. He was seen in the ER later the same day for mild systemic and topical symptoms. Herbicide/algicide: Prometon 1 Definite severity: Low/Mild
010006	02/28/2001	A 60 y/o male applied 'Moss Out' to his lawn and splashed his eye. Emergency aid flushed his eye and took him to the emergency room for medical care. Herbicide/algicide: Ferrous sulfate monohydrate 1 Definite severity: Low/Mild
010007	03/13/2001	A 30 y/o female was pushing a spreader with Moss Out and the wind blew the material into her eyes. She flushed eyes out at home and went to ER and they had her flush eyes again. Herbicide/algicide: Ferrous sulfate monohydrate 1 Probable severity: Low/Mild
010009	03/12/2001	A 24 y/o male garbage truck driver was sprayed in the eyes by an aerosolized pesticide. The can was punctured when he pushed the truck seat into position. He sought treatment the same day for mild ocular symptoms. Insecticide: Unknown aerosol 1 Definite severity: Low/Mild
010010	03/27/2001	A 41 y/o male cleaning a nozzle of pesticide soil injector was accidentally hit with treated soil. An hour later, he developed symptoms and sought medical treatment. Insecticide: Oxamyl 1 Definite severity: Low/Mild
010011	03/21/2001	A 21 y/o male employee at a food processing plant developed systemic symptoms at work after smelling a sanitizer for food processing equipment. He sought medical treatment for systemic symptoms. Disinfectant: Hydrogen peroxide; Peroxyacetic acid 1 Possible severity: Low/Mild
010012	03/28/2001	A 34 y/o male treated his lawn for moss control. He received a splash in his face, decontaminated himself and then sought medical care for mild ocular symptoms Herbicide/algicide: Ferric sulfate 1 Possible severity: Low/Mild
010013	03/12/2001	A 37 y/o male applicator went to ER with complaints of systemic symptoms. He had been spraying pears with PPE but was exposed when wind blew the spray mist back on him. Fungicide: Copper hydroxide Insecticides: Oil; Endosulfan 1 Possible severity: Low/Mild
010015	03/22/2001	A 32 y/o male farm worker was sprayed with pesticides while cleaning a nozzle. He developed dermal symptoms after the exposure and sought medical treatment. Fungicide: Fenarimol Insecticide: Oils; Clofentezine; Chlorpyrifos 1 Possible severity: Low/Mild

2001 Pesticide Incidents

Annual Summary Report of Definite, Probable, and Possible

Case	Exposure Date	Incident Description
010016	03/14/2001	A 56 y/o male poultry worker was cleaning out grain from feed conveyor when residual formaldehyde gas was released. He had brief exposure but developed respiratory symptoms and sought medical care the next day. Disinfectant: Formaldehyde 1 Probable severity: Low/Mild
010017	03/30/2001	A 45 y/o female was in her yard and reported she was exposed to pesticide drift when the adjacent orchard was sprayed. She later became ill and related it to the spray. She sought no medical care. Tests were positive for pesticide residues on her property. Insecticide: Oil; Lime Sulfur; Chlorpyrifos 1 Probable severity: Low/Mild
010021	04/16/2001	A 45 y/o female developed symptoms after mowing her lawn that had been drifted upon from an application to a neighboring orchard 5 hrs earlier. She sought medical treatment 3 days later for respiratory symptoms. WSDA tests were positive for residues of pesticides. Fungicide: Triflumizole; Insecticide: Phosmet; Formetanate hydrochloride and Kaolin 1 Definite severity: Low/Mild
010023	04/20/2001	A 23 y/o female farm worker became ill at work while attaching pheromone strips to apple tree branches. She was wearing gloves but no safety glasses. She sought treatment for several systemic and ocular symptoms. Pheromone: Isomate-C 1 Definite severity: Low/Mild
010025	04/25/2001	A 7 y/o female developed minor allergy-type symptoms after playing with herbicide granules that she thought were birdseed. Granules had been applied to neighbors yard. She was taken to local clinic. Herbicide: Trifluralin 1 Possible severity: Low/Mild
010028	05/02/2001	A 36 y/o male became ill on the second day of spraying pesticides. He reported that he was wearing proper PPE but route of exposure is unknown. He was seen and treated at local ER for systemic and topical symptoms. Fungicide: Myclobutanil; Sulfur Insecticide: Carbaryl 1 Possible severity: Low/Mild
010030	04/08/2001	Seven male railway employees (aged 42-55) were exposed to herbicides which had been applied to the area two days before. REI was met. Samples were positive and employees had a variety of signs and symptoms. Herbicide: Sulfometuron methyl; Diuron 6 Probable severity: (6) Low/Mild
010032	04/10/2001	A 45 y/o male fieldworker was applying an herbicide when he scratched his ear with his gloves on. Two days later his ear was infected and he went to the hospital for treatment. Herbicide: Glyphosate 1 Probable severity: Low/Mild
010036	04/24/2001	A 58 y/o male correctional officer was escorting an applicator spraying weeds on prison grounds when spray from the booms hit his face. He sought treatment for eye and respiratory symptoms. Herbicide: Glyphosate; Diuron; Bromacil 1 Possible severity: Low/Mild
010039	04/27/2001	A 55 y/o male farm worker developed topical symptoms at work while cleaning up debris in an apple orchard. He related his symptoms to pesticide drift from and application to a nearby field 20 or 30 ft away. He sought medical treatment. Fungicide: Calcium oxytetracycline 1 Probable severity: Low/Mild

2001 Pesticide Incidents

Annual Summary Report of Definite, Probable, and Possible

Case	Exposure Date	Incident Description
010041	04/25/2001	A 44 y/o male pesticide applicator lifted the tractor boom while spraying wheat and was sprayed in the face. He developed corneal abrasion, cloudy vision and dizziness. He was not wearing eye protection. He sought medical treatment the same day. Herbicide: Dimethylamine 2,4-D 1 Possible severity: Low/Mild
010043	05/15/2001	A 30 y/o male farm worker sprayed sulfur based fungicide on cherry trees. He developed eye irritation 10 min. after he started. He wore no eye protection. Went to physician's office for treatment. Fungicide: Sulfur 1 Possible severity: Low/Mild
010044	05/15/2001	Five County Health Dept. workers developed mild symptoms after smelling an insecticide that was sprayed to a tree across the street from their building. None of the employees sought medical treatment. Insecticide: Dimethoate 3 Possible severity: (3) Low/Mild 2 Insufficient Information
010045	04/18/2001	A 28 y/o male applicator was exposed to pesticides while attempting to fix a pressure regulator on his spray tank. The hose burst and he wasn't wearing eye protection. He visited the ER the following day. Fungicide: Mancozeb Insecticide: Methoxyfenozide 1 Probable severity: Low/Mild
010046	05/14/2001	A 43 y/o male lawn care worker had ocular symptoms after wiping his eyes with his T-shirt that was contaminated with an insecticide. He sought medical treatment. Insecticide: Diazinon 1 Probable severity: Low/Mild
010048	05/21/2001	A 43 y/o male applicator developed systemic symptoms after he inhaled pesticide dust while he was mixing. His respirator was not fit tested. He sought medical treatment one day later. Insecticide: Imidacloprid; Azinphos-Methyl 1 Possible severity: Low/Mild
010049	05/08/2001	A 50 y/o male pesticide applicator was seen at the clinic with complaint of itchy rash on hands and arms. He had been spraying apples for three weeks and wearing PPE. Herbicide: Ethephon Insecticide: Carbaryl Growth Regulator: NAA 1 Probable severity: Low/Mild
010062	05/15/2001	A 24 y/o male applicator was spraying herbicides along farm road when the wind shifted causing the spray to drift into his face. He washed his face but developed ocular and other symptoms the following day. He sought medical treatment two days later. Herbicide: Glyphosate; 2,4-D 1 Probable severity: Low/Mild
010064	05/21/2001	A 24 y/o male applicator was fixing a sprayer and when the hose came off splashing him in the face. He was wearing PPE but still had eye exposure. He sought medical treatment six days later. Fungicide: Triflumizole Insecticide: Phosmet, Azinphos-Methyl 1 Definite severity: Low/Mild

2001 Pesticide Incidents

Annual Summary Report of Definite, Probable, and Possible

Case	Exposure Date	Incident Description
010068	05/14/2001	A 30 y/o male developed dermal and ocular symptoms while thinning pears that were sprayed two days before. He sought medical treatment two days later when symptoms became worse. Insecticide: Abamectin Growth Regulator: NAA Potassium Salt 1 Probable severity: Low/Mild
010070	06/07/2001	Six male members of a road dust abatement crew were drifted upon by an adjacent orchard application. Five sought medical care with minimal symptoms that resolved quickly. Herbicide: Ethephon Insecticide: Azinphos-Methyl 6 Probable severity: (6) Low/Mild
010071	05/10/2001	A 12 y/o female middle school student developed systemic symptoms. WSDA samples of her clothes and vegetation in the grassy area where she was sat during her PE class were positive for residues. She sought treatment at ER. Herbicide: Ethephon Insecticide: Formetanate hydrochloride Insecticide: Azinphos-Methyl, Carbaryl, Bacillus thuringiensis subsp. kurstaki Chlorinated Hydrocarbon: Endosulfan 1 Probable severity: Low/Mild
010072	06/10/2001	A 63 y/o female mistook a pesticide product for flour and used it to cook her chicken. She took one taste, noticed that it tasted unusual and spit it out. She developed some mild symptoms and sought medical care, where she was observed and released. Educational materials were mailed to her. Insecticide: Carbaryl 1 Possible severity: Low/Mild
010074	05/25/2001	A 37 y/o male developed dermal symptoms after he spilled a small amount of herbicide on his neck. He washed off but developed pruritus & rash one hour later. He sought medical treatment one day later. Herbicide: Paraquat 1 Probable severity: Low/Mild
010076	06/12/2001	A 35 y/o male applicator developed systemic symptoms after spraying an organophosphate insecticide. He was wearing PPE, but no rubber boots. He sought treatment for symptoms the following day. Insecticide: Dimethoate 1 Possible severity: Low/Mild
010081	06/15/2001	A 27 y/o female was working at a civic project when the sprayer malfunctioned causing her and sprayed her in the face. She washed her face and irrigated her eyes. She sought medical care for ocular & dermal symptoms. Herbicide: Glyphosate 1 Probable severity: Low/Mild
010082	06/21/2001	A 46 y/o female was putting an insect fogger under her house when it fell over spraying her in the eyes. She called WPC and rinsed her eyes. Discomfort continued so she sought medical attention. Insecticide: Pyrethrins; Tetramethrin ; Phenothrin 1 Definite severity: Moderate
010083	06/20/2001	A 43 y/o male was applying an herbicide at home with a backpack sprayer which leaked, soaking his clothing. He developed respiratory and dermatological symptoms and sought medical treatment the next day. Herbicide: Glyphosate, 2,4-D; Triclopyr 1 Possible severity: Low/Mild

2001 Pesticide Incidents

Annual Summary Report of Definite, Probable, and Possible

Case	Exposure Date	Incident Description
010085	06/22/2001	<p>Campers (3 females, 2 males) developed symptoms after a pesticide application drifted onto their campsite from an orchard. WSDA tests were positive for residues near campground trees. All campers had mild symptoms, one female sought medical treatment.</p> <p>Insecticide: Azinphos-Methyl 3 Probable severity: (3) Low/Mild 2 Possible severity: (2) Low/Mild</p>
010087	04/26/2001	<p>A 19 y/o male applicator developed symptoms after wrapping hormone disruptor strips around apple tree branches. He wore no gloves, goggles, or safety glasses. He rubbed his eyes while applying pheromone strips and developed a headache and ocular symptoms. Sought medical treatment 10 days later.</p> <p>Pheromone: Isomate-C 1 Definite severity: Low/Mild</p>
010092	05/25/2001	<p>A 40 y/o male landscape maintenance worker was injecting a tree when the pesticide squirted back out the bark of the tree and into his eye. He sought medical treatment for ocular symptoms.</p> <p>Insecticide: Imidacloprid 1 Definite severity: Low/Mild</p>
010094	04/20/2001	<p>A 35 y/o female walking along a road felt the spray from a nearby orchard application. She had mild ocular and respiratory symptoms but did not seek medical care. She reported seeing a magpie fall dead to the ground.</p> <p>Growth Regulator: Benzyladenine; Gibberellic Acid 1 Possible severity: Low/Mild</p>
010095	06/19/2001	<p>A 68 y/o female applied undiluted concentrate insecticide inside and outside her home. She developed systemic symptoms, left home for one night and returned, continued to feel ill, sought medical care on the 3rd day.</p> <p>Insecticide: Diazinon 1 Probable severity: Low/Mild</p>
010102	07/03/2001	<p>A 45 y/o male pesticide technician was applying an herbicide mix when the pressurized spray line ruptured spraying him in the face. He rinsed with water, but developed ocular symptoms and sought treatment.</p> <p>Herbicide: Glyphosate; 2,4-D; Triclopyr 1 Possible severity: Low/Mild</p>
010103	07/04/2001	<p>A 39 y/o male weeding onions was sprayed by an aerial application to the field. He did not wash off after the exposure. He sought medical treatment one day later for systemic and respiratory symptoms. Management reported that workers had been advised not to enter the field because of planned spraying.</p> <p>Insecticide: lambda-Cyhalothrin; Azinphos-Methyl Fungicide: Chlorothalonil 1 Possible severity: Low/Mild</p>
010106	07/09/2001	<p>An adult male developed mild systemic symptoms when his landlord applied a lawn & garden insecticide inside his house to control ants. The pesticide was labeled for outdoor use. The tenant did not seek medical care.</p> <p>Insecticide: Chlorpyrifos 1 Probable severity: Low/Mild</p>
010108	07/09/2001	<p>A 53 y/o female courthouse maintenance worker splashed an herbicide into her eyes. She experienced ocular symptoms and sought medical treatment the same day.</p> <p>Herbicide: 2,4-D; Dicamba; Mecoprop 1 Definite severity: Low/Mild</p>

2001 Pesticide Incidents

Annual Summary Report of Definite, Probable, and Possible

Case	Exposure Date	Incident Description
010109	07/02/2001	A 24 y/o male farm worker had an accidental exposure when the hose came off of a sprayer and splashed into his eyes. He experienced ocular symptoms and sought medical care. Insecticide: Endosulfan 1 Probable severity: Low/Mild
010110	06/28/2001	A 33 y/o male farm worker developed respiratory symptoms while picking cherries and sought medical treatment. Spray records indicate that insecticides were sprayed that day. Insecticide: Malathion ULV 1 Possible severity: Low/Mild
010114	05/21/2001	A 24 y/o male applicator developed ocular symptoms after spraying an herbicide. He sought medical treatment one month later when symptoms worsened. Herbicide: Paraquat dichloride 1 Probable severity: Low/Mild
010117	07/20/2001	A 20 m/o boy was found chewing on a dog flea collar. It was estimated he had it for less than a minute. Thirty minutes later the child vomited and was taken to ER for attention. He was observed and released in good condition. Insecticide: Tetrachlorvinphos 1 Possible severity: Low/Mild
010119	07/23/2001	A family of 4 (ages 19, 22, 43, 54) each developed a metallic taste in their mouth, upper respiratory and ocular irritation after a pesticide application in an orchard near their home. They did not seek medical treatment. Insecticide: Azinphos-Methyl 4 Possible severity: (4) Low/Mild
010120	07/08/2001	A 59 y/o male home builder was applying a double strength mixture of diazinon to treat a foundation. His pump sprayer ruptured a hose spraying him in the face. He sought medical treatment for systemic and topical symptoms the next day. Insecticide: Diazinon 1 Definite severity: Low/Mild
010125	07/06/2001	A 34 y/o male warehouse worker pulled weeds without gloves. The roadside and fence areas had been sprayed with pesticides earlier that day. A few days later he developed skin problems. He sought medical treatment. Herbicide: Fluroxypyr; 2,4-D; Dicamba; Diflufenzopyr 1 Probable severity: Low/Mild
010129	07/27/2001	A 39 y/o female was applying rose/flower insecticide when she received an eye and inhalation exposure. She took a shower but developed systemic, upper respiratory and ocular symptoms. She sought treatment at ER. Insecticide: Imidacloprid; Cyfluthrin; Pyrethrins 1 Definite severity: Low/Mild
010132	07/18/2001	A 44 y/o male applicator developed symptoms while spraying a corn field. He was spraying in windy conditions exposing his arms, hands and face to the spray. He sought medical treatment for systemic and upper respiratory symptoms one day later. Herbicide: Glyphosate; 2,4-D 1 Possible severity: Low/Mild
010140	07/24/2001	A 57 y/o male was making an application when a hose ruptured, spraying his face, eyes and ears. He was wearing his protective equipment but still developed ocular symptoms and sought medical treatment. Herbicide: Paraquat dichloride 1 Probable severity: Low/Mild

2001 Pesticide Incidents

Annual Summary Report of Definite, Probable, and Possible

Case	Exposure Date	Incident Description
010141	05/15/2001	A 36 y/o male applicator developed symptoms after spraying an apple orchard. He sought medical treatment 10 days later. Insecticide: Carbaryl Growth Regulators: NAA Potassium Salt 1 Possible severity: Low/Mild
010142	07/23/2001	A 57 y/o female food quality technician had an asthma attack after entering her work area. Her work area had been sprayed the previous evening. She sought medical treatment for respiratory symptoms. Insecticide: Pyrethrins 1 Possible severity: Low/Mild
010143	08/14/2001	A 33 y/o male self applied 1% Lindane topical lotion to his scalp and face. The following day he reported skin and eye irritation. He sought medical treatment. Insecticide: Lindane 1 Definite severity: Low/Mild
010144	08/20/2001	A 79 y/o woman was trying to keep a can of wasp/hornet killer from falling off a window sill and accidentally sprayed the insecticide into her left eye. She sought medical treatment for ocular symptoms. Insecticide: Pyrethrins 1 Possible severity: Low/Mild
010148	08/08/2001	A 41 year old male campus gardener was spraying weeds when the spray splashed into his eye. He immediately washed his eyes. The local fire department was summoned and irrigated his eyes, but he continued having discomfort and sought medical care. Herbicide: Glyphosate 1 Probable severity: Low/Mild
010149	08/20/2001	A 43 y/o female resident smelled a pesticide application, went outside, and later developed symptoms. She did not seek medical help. WSDA samples indicated that her property had been drifted on. Fungicide: Mancozeb Insecticide: Methamidophos 1 Probable severity: Low/Mild
010150	05/12/2001	A 44 y/o male orchard supervisor developed dermal reaction 2 days after handling chemicals. He was wearing PPE but still developed symptoms which he apparently develops every year from handling chemicals. He sought treatment for allergic dermatitis. Fungicide: Mancozeb Insecticide and other: Carbaryl Growth Regulator: NAA/ Potassium Salt 1 Definite severity: Low/Mild
010151	07/28/2001	A 39 y/o male applicator reported he received an exposure while applying to hops. He wore PPE, except for wearing leather boots. He developed systemic and topical symptoms and sought medical treatment. Fungicide: Myclobutanil; Potassium Bicarbonate; Sulfur 1 Possible severity: Low/Mild
010154	08/20/2001	A 16 m/o boy's hair was washed with lice killing shampoo by his 10 y/o sister. He went to bed shortly afterwards and awoke crying but wouldn't open his eyes. Mother took him to ER and eye specialist for treatment of ocular symptoms. Insecticide: Permethrin 1 Definite severity: Low/Mild

2001 Pesticide Incidents

Annual Summary Report of Definite, Probable, and Possible

Case	Exposure Date	Incident Description
010155	08/24/2001	A 45 y/o female sprayed wasps at her home. As the pressure in the container decreased, more liquid came out, the wind caught the spray stream and blew it back into her mouth. She sought treatment at the ER for mild upper respiratory symptoms. Insecticide: Esfenvalerate; Tetramethrin; Fenvalerate 1 Possible severity: Low/Mild
010156	08/04/2001	A 30 y/o male applicator developed burning sensation in nose & eyes after he sprayed himself with herbicides using a hand-held hose. He smelled the vapors through his paper dust mask. He sought medical treatment for upper respiratory and topical symptoms six days later. Herbicide: Glyphosate; Dicamba; 2,4-D 1 Probable severity: Low/Mild
010157	08/27/2001	A 32 y/o female used an aerosol insecticide inside her home for ants. She failed to ventilate according to the label. She remained inside after application and later developed symptoms. She sought medical treatment. Insecticide: Pyrethrins; Permethrin 1 Possible severity: Low/Mild
010165	08/08/2001	A 33 y/o male unlicensed applicator went to the ER with complaint of generalized rash that developed after he had sprayed. He wore PPE, but thought the wind may have blown the spray back towards him. Insecticide: Spinosad; Fenbutatin-oxide 1 Probable severity: Low/Mild
010167	08/02/2001	A 51 y/o social worker inhaled an insecticide applied to her indoor office area by a professional pest control company. She developed asthmatic symptoms and sought medical treatment. Insecticide: Linalool 1 Probable severity: Low/Mild
010171	09/11/2001	A 59 y/o male experienced symptoms after treating his yard for insects. He was treated in the emergency room for nausea. Symptoms resolved by the next day. Insecticide: Acephate 1 Possible severity: Low/Mild
010172	09/12/2001	A family of 3 (female age 34, males age 41 & 1) developed mild symptoms after pesticide application 25 ft from their property. WSDA tests were positive near the border of their property. Parents sought no medical treatment but took the child to see a physician. Insecticide: Acephate; Malathion 2 Possible severity: (2) Low/Mild 1 Insufficient Information severity:
010174	09/13/2001	A 5 y/o boy was exposed to an aerial application on an asparagus field behind his home. He was walking through the pasture grass assisting his parents in gathering up animals who looked ill. He became sick and was taken for treatment. Four goats and one calf died following the application. Insecticide: Methoxychlor; Malathion; Disulfoton 1 Probable severity: Low/Mild
010175	08/17/2001	15 y/o male applicator developed symptoms in his right eye after he sprayed himself with an herbicide. He washed his eye with saline solution for 5 minutes. He sought medical treatment the same day. Herbicide: Paraquat; Diuron 1 Probable severity: Low/Mild

2001 Pesticide Incidents

Annual Summary Report of Definite, Probable, and Possible

Case	Exposure Date	Incident Description
010178	04/24/2001	Three male maintenance workers (ages 53, 34, 38) were exposed to a fogger after responding to a smoke detector in a dorm room. A student had set off the fogger. All workers had respiratory and/or ocular symptoms and were treated at the emergency room. Insecticide: Cypermethrin 1 Probable severity: Low/Mild 2 Possible severity: (2) Low/Mild
010180	08/30/2001	A 59 y/o traffic control worker developed symptoms after he was drifted with pesticides by an aerial applicator. He felt the spray. He did not wash until two hours later. He sought medical treatment the same day. Fungicide: Mancozeb; Sulfur Insecticide: Methamidophos 1 Possible severity: Low/Mild
010181	09/13/2001	A 41 y/o male applicator developed symptoms after spraying herbicide. He indicated some drifted into his eye. He sought medical attention five days later. Herbicide: Clethodim 1 Probable severity: Low/Mild
010182	08/16/2001	A 29 y/o male applicator developed symptoms after repairing his sprayer. He removed his gloves to do repairs and he also indicated his gloves were in disrepair. He sought medical treatment one day later. Insecticide: Azinphos-Methyl, Fenbutatin-oxide 1 Probable severity: Low/Mild
010183	08/27/2001	A 53 y/o female business employee had a possible pesticide exposure while leaving her building. She smelled and tasted the spray. She developed upper respiratory symptoms and sought treatment at the ER. Insecticide: Bifenthrin 1 Possible severity: Low/Mild
010186	08/31/2001	A 41 y/o male museum employee transported four bales of straw that had been fumigated with methyl bromide at a pest control service. Two hours later, he had systemic and respiratory symptoms. He sought medical treatment the next day. Fumigant: Methyl bromide 1 Definite severity: Low/Mild
010188	10/05/2001	A 26 y/o male applicator developed systemic symptoms after he was drifted with an insecticide by a co-worker. He felt spray on his neck/arms. He took a shower 1.5 hours later. His symptoms resolved by the time he saw a health care provider the next day. Insecticide: Chlorpyrifos 1 Possible severity: Low/Mild
010192	10/02/2001	A 60 y/o female office worker reported feeling ill after an application was made outside her office to control wasps. She sought medical treatment for the symptoms. Insecticide: Cyfluthrin 1 Possible severity: Low/Mild
010194	09/14/2001	A 51 y/o female elementary school teacher developed symptoms after entering a building that had been treated with insecticides. She smelled the spray odor. The application was conducted next to her workspace. She sought medical treatment for respiratory symptoms. Insecticide: Tetramethrin; d- Phenothrin 1 Probable severity: Low/Mild
010196	09/08/2001	A 34 y/o male mushroom soil engineer developed ocular symptoms after using a germicidal soap. Disinfectant: Phenolic 1 Definite severity: Low/Mild

2001 Pesticide Incidents

Annual Summary Report of Definite, Probable, and Possible

Case	Exposure Date	Incident Description
010198	09/16/2001	A 51 y/o male pest control technician applied an insecticide to control spiders and the wind blew the spray into his face. He took off his PPE on because it was fogging up. He immediately washed out his eyes. He sought medical treatment for ocular symptoms. Insecticide: Bifenthrin 1 Definite severity: Low/Mild
010201	11/10/2001	A 19 y/o male applicator reported he had been applying a soil fumigant for several days. He developed respiratory, ocular, and dermal symptoms and sought medical treatment two days later when symptoms did not resolve. Fumigant: Metam-sodium 1 Probable severity: Low/Mild
010204	09/25/2001	A 49 y/o male dairy truck driver applied a broad spectrum disinfectant to truck tires. He inhaled some of the mist when wind blew it into his face. He developed respiratory symptoms and sought medical care. Eighteen days later he was hospitalized with pneumonia. It is unknown whether the 2nd illness is related to the first. Disinfectant: Sodium chloride; Potassium peroxymonosulfate 1 Possible severity: Low/Mild
010207	10/25/2001	A 39 y/o male (unlicensed applicator) maintenance supervisor applied diazinon spray on flax plants. He removed his gloves, carried the container to truck, than rubbed his eye. He developed ocular symptoms and sought medical emergency care. Insecticide: Diazinon 1 Probable severity: Low/Mild
010208	10/19/2001	Two male police officers (age 31 & 32) developed ocular and respiratory symptoms after parking next to a chemigation application to potatoes. They sought medical treatment the same evening. Fumigant: Metam-sodium 2 Possible severity: (2) Low/Mild
010209	10/24/2001	A 21 y/o female nurse's aid experienced an asthma attack when she breathed an aerosolized lice spray that was being used in a residential care facility. She sought medical treatment. Insecticide: d- Phenothrin 1 Definite severity: Low/Mild
010210	11/09/2001	A 29 y/o male soft drink operator got cleaning solution splashed into his eyes. He irrigated both eyes for 10 minutes at work prior to seeking medical treatment. Disinfectant: Sodium hypochlorite 1 Probable severity: Low/Mild
010211	10/25/2001	A 41 y/o female apple sorter became ill after smelling a strong "chloro" like odor in the apple sorting water. Other co-workers complained of similar symptoms. She sought medical care for ocular symptoms. Disinfectant: Chlorine 1 Probable severity: Low/Mild
010213	11/21/2001	A 38 y/o janitor worked for 45 min in small office space that had been treated with insecticide foggers 7 hours earlier. No ventilation had taken place. He developed respiratory & ocular irritation. Insecticide: Pyrethrins; Permethrin 1 Possible severity: Low/Mild
010215	03/20/2001	Two 29 & 50 y/o male refuse collectors noticed chemical odor coming from their truck. Apparently a pesticide container had been placed in the trash they picked up. Their supervisor told them to shower and change clothes & boots at work. The workers began feeling ill with respiratory and systemic symptoms, the next day both sought medical evaluation. Insecticide: Diazinon 2 Probable severity: (2) Low/Mild

2001 Pesticide Incidents

Annual Summary Report of Definite, Probable, and Possible

Case	Exposure Date	Incident Description
020001	12/04/2001	<p>A 29 y/o male maintenance manager was attempting to control moss around landscaping on apartment property. Wind blew chemical spray into his eyes. He was wearing safety glasses, not goggles and no hat. He sought medical attention.</p> <p>Herbicide: Zinc chloride 1 Definite severity: Moderate</p>
020004	11/12/2001	<p>A 40 y/o male orchard employee suffered exposure from a tank mix while spraying an apple field. He was splashed in the face when the hose came off as he was trying to connect it to the sprayer. He sought treatment for contact dermatitis.</p> <p>Herbicide: Glyphosate; Oxyfluorfen; 2,4-D 1 Definite severity: Low/Mild</p>
020005	10/18/2001	<p>A 24 y/o male applicator developed burning sensation in his lungs and chest tightness after inhaling vapors from a chemigation site. He fell asleep inside his vehicle and awoke with symptoms. He sought medical treatment the same day and again 7 days later.</p> <p>Fumigant: Metam-sodium 1 Possible severity: Low/Mild</p>
020007	12/29/2001	<p>63 y/o male applied a boric acid spray insecticide around his home. He was wearing corrective glasses, but didn't have protection from getting spraying in his eyes & mouth. He developed symptoms and sought medical treatment at the ER.</p> <p>Insecticide: Boric acid 1 Definite severity: Moderate</p>

Department of Labor and Industries

**Department of Labor and Industries
Summary of Pesticide Inspections
2001**

City, County, Inspection #	Pesticides Involved	# of employees	Type of Business	How exposed	Other Agencies Involved	Incident Date	Complaint Date	Inspection Dates (Opened) (Closed)	Citations/ Costs	Type of Inspection
Oroville Okanogan 304152226	Application closed to alleged incident: Dormant Oil-petroleum distillate.	1	Cherry Orchard	Complaint allegation: Employees working in fields while spraying; directly after application. Not verifiable by inspector.	None	Approx. 9/00	01/23/01	02/07/2001 03/19/2001	No violations. No penalties assessed.	Complaint
Seattle King 304429590	Disulfoton 1% (OP) 10-8-6 Fertilizer	14	Lawn and Garden Service	Not able to establish exposure from report	None	N/A	Not available	05/18/2001 07/17/2001	General violations: No Hazard Communication program, no material safety data sheets, no accident prevention program and no personal protective equipment. No penalties assessed.	Complaint
Othello Adams 304152275	Imidan 70-W (OP), DiPel DF	19	Apple Orchard	No Worker Protection Standard violations- personal protective equipment adequate	WSDA	5/25/01	N/A	05/29/2001 05/29/2001	No violations – Employee mixing chemicals without proper personal protective equipment and putting workers at risk. No penalties assessed.	Referral
Pasco Franklin 304428170	CARZOL SP (C) Miticide Mycoshield	115	Tree Fruit Farm	Pesticides blown in face by wind.	WSDA	<i>Not recorded</i> 5/14/01- per narrative	05/31/2001	06/07/2001 08/01/2001	General violation: No decontamination supplies. No penalties assessed.	Referral
Ridgefield Cowlitz 304373251	Diuron 4 L Switch (X) fungicide Thiram Granuflo (C) fungicide	250	Berry Farm Laborer Camp	Employee working with Thiram-gloves not adequate?	DOH- worker housing	N/A	N/A	06/29/2001 07/27/2001	Serious violations for lack of medical evaluation and fit-testing of respirator users; lack of material safety data sheets, no list of hazardous chemicals. Total penalties: \$1,000.	Referral

**Department of Labor and Industries
Summary of Pesticide Inspections
2001**

City, County, Inspection #	Pesticides Involved	# of employees	Type of Business	How exposed	Other Agencies Involved	Incident Date	Complaint Date	Inspection Dates (Opened) (Closed)	Citations/ Costs	Type of Inspection
Mossyrock Lewis 302206636	Green Shield	100	Bulb and Perennial Farm	Gloves, eye protection required- not mentioned in inspection report.	None	N/A	N/A	07/02/2001 07/24/2001	Serious violations included lack of an eyewash, lack of a hazard communication program, lack of hazard communication training. Total penalties: \$450.	Referral
George Grant 304330533	Gramoxone (Paraquat), RoundUp	3	Vineyard	Inadequate Follow-up on 2000 inspection	DOH	6-7/2000	N/A	07/03/2001 07/03/2001	No violations. No penalties assessed.	Follow up
Sunnyside Yakima 304665136	Guthion (OP), Souran?, Micro Max fertilizer	2	Vineyard/Asparagus Apple Orchard	Not clear from report. Follow-up on 2000 inspection	DOH	07/06/2000	N/A	07/10/2001 07/10/2001	No violations. No penalties assessed.	Follow up
Puyallup Pierce 304432313	Round-Up, Amine 4, Crossbow, Confront, Snapshot	64	Landscape Services	Personal protective equipment adequate- no apparent exposure.	None	N/A	Not available	07/19/2001 08/22/2001	Serious violations included no hearing conservation training and lack of audiometric testing. Total penalties: \$250	Complaint
Wapato Yakima 303896161	Guthion (OP)	1	Fruit Orchard	No apparent exposure- not cited for personal protective equipment.	None	N/A	N/A	07/28/2001 07/30/2001	General – No accident prevention program, lack of material safety data sheet, pesticide posting requirements were not met. No penalties assessed.	Planned
Selah Yakima 303896203	Success (Spinosyn A, Spinosyn D) biopesticide	1	Apple Orchard	Personal hygiene, washing not followed.	None	N/A	N/A	07/28/2001 07/30/2001	Serious – No Hazard Communication training, no Accident Prevention Program, no pesticide postings, no clean storage or clothing, no written respirator training. Total penalties: \$150	Planned

**Department of Labor and Industries
Summary of Pesticide Inspections
2001**

City, County, Inspection #	Pesticides Involved	# of employees	Type of Business	How exposed	Other Agencies Involved	Incident Date	Complaint Date	Inspection Dates (Opened) (Closed)	Citations/ Costs	Type of Inspection
Quincy Grant 304665250	Herbicide-2, 4-D Amine 4, Round Up.	20	Vegetable Crops	Wind blew pesticides in employee's face.	None	07/18/2001	08/02/2001	08/07/2001 09/14/2001	Serious violations for lack of soap and towels, other decontamination supplies/ equipment, no change of clothing, and personal protective equipment used did not meet the requirements of the pesticide label. Total penalties: \$300	Referral
Naches Yakima 303896120	Guthion (OP)	1	Apple Orchard	Employees not wearing appropriate personal protective equipment when spraying.	None	08/11/2001	N/A	08/11/2001 08/14/2001	Serious violations included no hazard communication training, no fit-testing for respirator users, no pesticide safety training, lack of soap and towels, lack of an emergency eyewash, no change of clothing. Total penalties: \$1050	Planned
Naches Yakima 303896088	Guthion (OP)	1	Apple Orchard	Employees not wearing respirators and other personal protective equipment when applying Guthion	None	08/11/03-opening conference	N/A	08/11/2001 08/14/2001	Serious violations included lack of pesticide safety training, lack of soap and towels, no change of clothing, no fit-testing for respirator users, no hazard communication training, no emergency eyewash, and personal protective equipment used did not meet the requirements of the pesticide label. Total penalties: \$1750.	Planned

**Department of Labor and Industries
Summary of Pesticide Inspections
2001**

City, County, Inspection #	Pesticides Involved	# of employees	Type of Business	How exposed	Other Agencies Involved	Incident Date	Complaint Date	Inspection Dates (Opened) (Closed)	Citations/ Costs	Type of Inspection
Prosser Benton 304665292	Warrior (X), Guthion (OP), Kenetic (X) , Bravo (X)	1	Row Crops	Employee working in field during aerial application, no personal protective equipment worn by employees subjected to drift, health effects observed	DOH	07/04/01	N/A	08/15/2001 09/05/2001	Serious violations included no medical evaluations and fit-testing for respirator users, lack of soap and towels, no change of clothing, personal protective equipment used did not meet the requirements of the pesticide label, no pesticide safety training, and requirements for the notice of pesticide application were not followed. Total penalties: \$900	Referral
Redmond King 304663685	Round up	20	Nursery	Employer not applying pesticides at time of inspection. Allegation of inadequate personal protective equipment not verified.	None	N/A	Not available	08/16/2001 08/27/2001	General violations included: no written respirator program, no written hazard communication program & no personal protective equipment. No penalties assessed.	Complaint
Selah Yakima 304665375	Guthion Solupak (OP), Imidan 70 W (OP) Fungicide	50	Fruit Company	Alleged early reentry exposure. No decontamination supplies, no personal protective equipment.	DOH	7/23 to 7/27/2001	N/A	08/24/2001 09/06/2001	Serious violations for lack of decontamination supplies, no change of clothing, violation of the restricted entry interval, notification requirements of pesticide application were not met; no pesticide safety training. Total penalties: \$4200	Referral

**Department of Labor and Industries
Summary of Pesticide Inspections
2001**

City, County, Inspection #	Pesticides Involved	# of employees	Type of Business	How exposed	Other Agencies Involved	Incident Date	Complaint Date	Inspection Dates (Opened) (Closed)	Citations/ Costs	Type of Inspection
Othello Adams 304624158	Round-Up, Gramaxone (Paraquat)	3	Hay Stacking	personal protective equipment worn according to interview. Dermal contact?	Community Health Clinic, Pasco.	N/A	N/A	08/27/2001 08/27/2001	General violations included no accident prevention program, no pesticides program, no pesticide application information posted, and no Hazard Communication Program. No penalties assessed.	Referral
Quincy Grant 304665417	Azinphosmeth yl (Guthion- OP)	3	Apple Orchard	No active application during inspection. No Worker Protection Standard violations.	DOH	06/15/2001	N/A	08/29/2001 09/14/2001	No violations No penalties assessed.	Referral
Oroville Okanogan 304624232	Ziram Granuflo (C)	35	Orchard	Alleged early reentry exposure, drift exposure, label violations not substantiated by inspection.	WSDA	N/A	N/A	09/06/2001 09/19/2001	General – No Hazard Communication Program, no information posted on pesticide applications, no training, no proper respirator use. No penalties assessed.	Referral
Yakima Yakima 303917215	Not documented in inspection.	01	Apple Orchard	Employee was not fit-tested but exposure to pesticide was not verified since he was not spraying at time of inspection.	None	N/A	Not available	09/12/2001 09/12/2001	General – employer failed to train employees on details of Hazard Communication program, no spray suits or respirators provided when spraying. Equipment in poor shape. No penalties assessed.	Complaint
Wenatchee Chelan 303896351	Guthion Solupak in factory-sealed containers (supplier).	25	Farm Chemical Supplier	No history of pesticide spills/ clean up indicated in inspection report.	None	N/A	N/A	11/15/2001 11/19/2001	One serious violation because no hazard communication training was conducted. Total penalties: \$450	Planned

**Department of Labor and Industries
Summary of Pesticide Inspections
2001**

City, County, Inspection #	Pesticides Involved	# of employ- ees	Type of Business	How exposed	Other Agencies Involved	Incident Date	Complaint Date	Inspection Dates (Opened) (Closed)	Citations/ Costs	Type of Inspection
Yakima Yakima 304152267	Lorsban 4E (OP) Rubigan EC Guthion Solupak (OP)	3	Apple Orchard	Allegations in complaint included spraying when the wind is blowing, no water to wash hands, pesticide not locked up, drinking water contaminated, no drinking water, spray containers not disposed of; not advised of proper handling of chemicals	None	N/A	Not available	12/02/2002 12/02/2002	Repeat serious violations for lack of soap and towels, lack of a change of clothing, and no emergency eyewash. Serious violations included, no pesticide safety training, damaged personal protective equipment, personal protective equipment used did not meet the requirements of the pesticide label, and no medical evaluation and fit-testing for respirator users. Total penalties: \$28,400.	Complaint

Appendix D

- [WSDA Pesticide License Types](#)
- [Enforcement Action Definitions](#)

WSDA PESTICIDE LICENSE TYPES

License Type	Definition
Commercial Applicator	A person engaged in the business of applying pesticides to the land/property of another. This land can either be publicly or privately owned. Prior to license issuance, a Financial Responsibility Insurance Certificate (FRIC) must be filed with WSDA by the insuring company.
Commercial Operator	A person employed by a WSDA-licensed commercial applicator to apply pesticides to the land of another. This land can either be publicly or privately owned.
Commercial Pest Control Consultant*	A person who sells or offers pesticides for sale at other than the licensed pesticide dealer outlet from which they are employed. In addition, commercial consultants may offer or supply technical advice or make recommendations to the users of non-home and garden pesticides. They may also perform wood destroying organism inspections. Licensed and employed commercial applicators and commercial operators may act as commercial consultants without acquiring the consultant's license.
Dealer Manager*	A person who supervises the distribution of pesticides (other than home and garden products) from a licensed pesticide dealer outlet.
Private Applicator	A person who applies or supervises the application of a "Restricted Use" pesticide on land owned or rented by him or his employer for the purpose of producing an agricultural commodity.
Private Commercial Applicator	A person who applies or supervises the use of a "Restricted Use" pesticide on land owned or rented by him or his employer for purposes other than the production of an agricultural commodity.
Public Operator	A person who, while acting as an employee of a governmental agency, applies restricted use pesticides by any means or general use pesticides by power equipment on public or private property. Public operators may act as public consultants. (Public operators licensed only in the Public Health category are exempt from the fee.)
Public Pest Control Consultant*	A person who, while acting as an employee of a governmental agency, offers or supplies technical advice, supervision, aid, or makes recommendations to the user of pesticides other than home and garden products. Public Consultants may not act as public operators without the operator's license.
Demonstration and Research Applicator	A person who applies or supervises the use of any experimental or restricted use pesticide to small experimental plots at no charge. Public employees performing research applications fall under the licensing requirements of the public operator.

**License does not allow the holder to use or supervise the use of a restricted use pesticide. Refer to other types for appropriate license.*

WSDA Enforcement Action Definitions

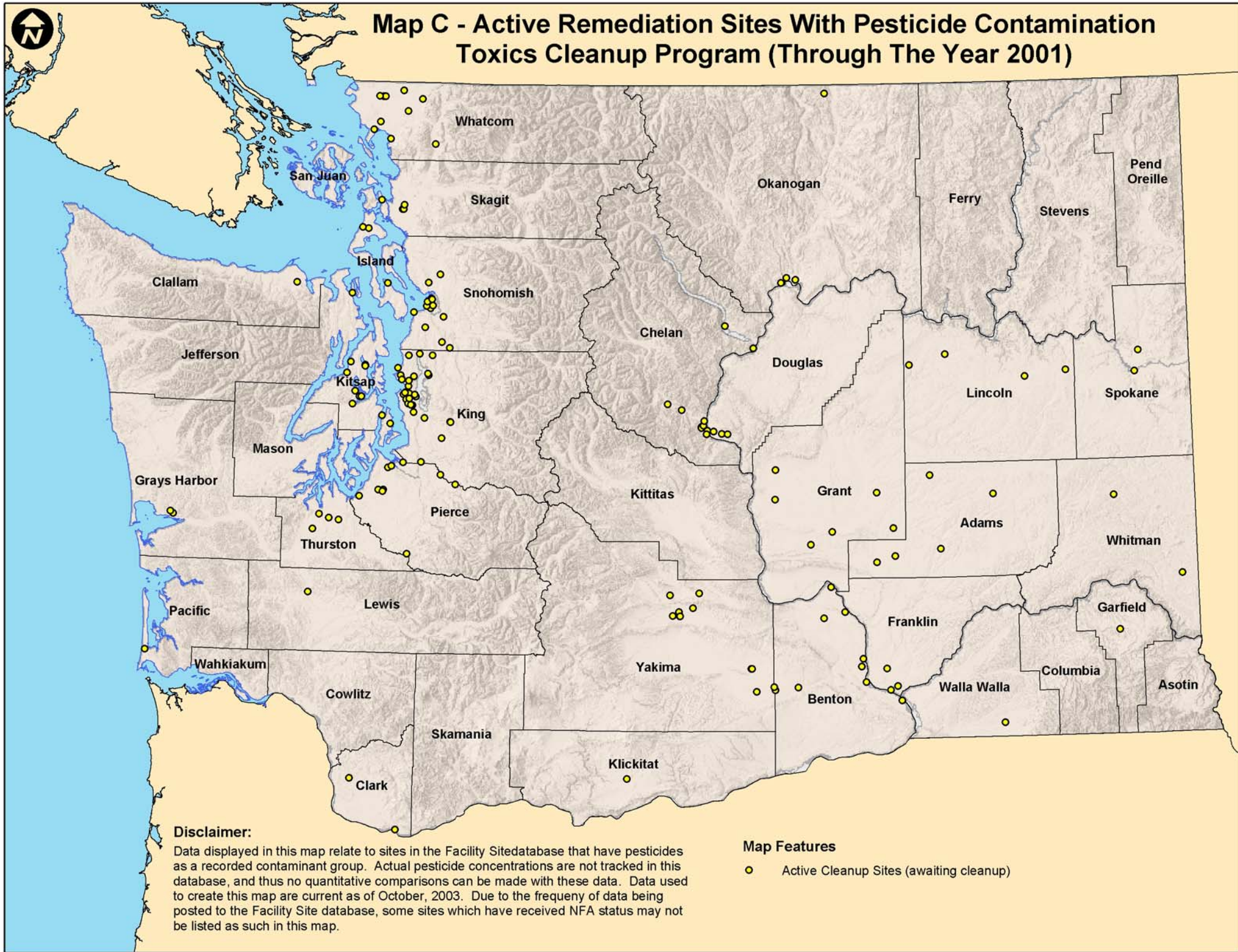
Enforcement Action	Definition
No action indicated	Not a pesticide complaint, or Not valid, or No violations noted, or No further action required.
Technical assistance	WSDA provided information only.
Verbal Warning	No evidence for further legal action but person was cautioned verbally by WSDA. No permanent record of warning.
Advisory letter/Warning letter	Some evidence of violation but not enough to take legal action. Person was warned to be more cautious.
Notice of correction	Notified that a minor violation must be corrected. Usually given thirty days. If corrected, no further action. If not corrected, further action is taken.
Notice of Intent/Administrative action Legal case	Usually results in a fine and/or license suspension for a varying interval.
Referred	Sent to another agency for action. The violation is not in WSDA jurisdiction.
Stop sale	Further sale of the product is prohibited until violation corrected. Generally an unregistered or damaged product.

Appendix E

Department of Ecology Maps



Map C - Active Remediation Sites With Pesticide Contamination Toxics Cleanup Program (Through The Year 2001)



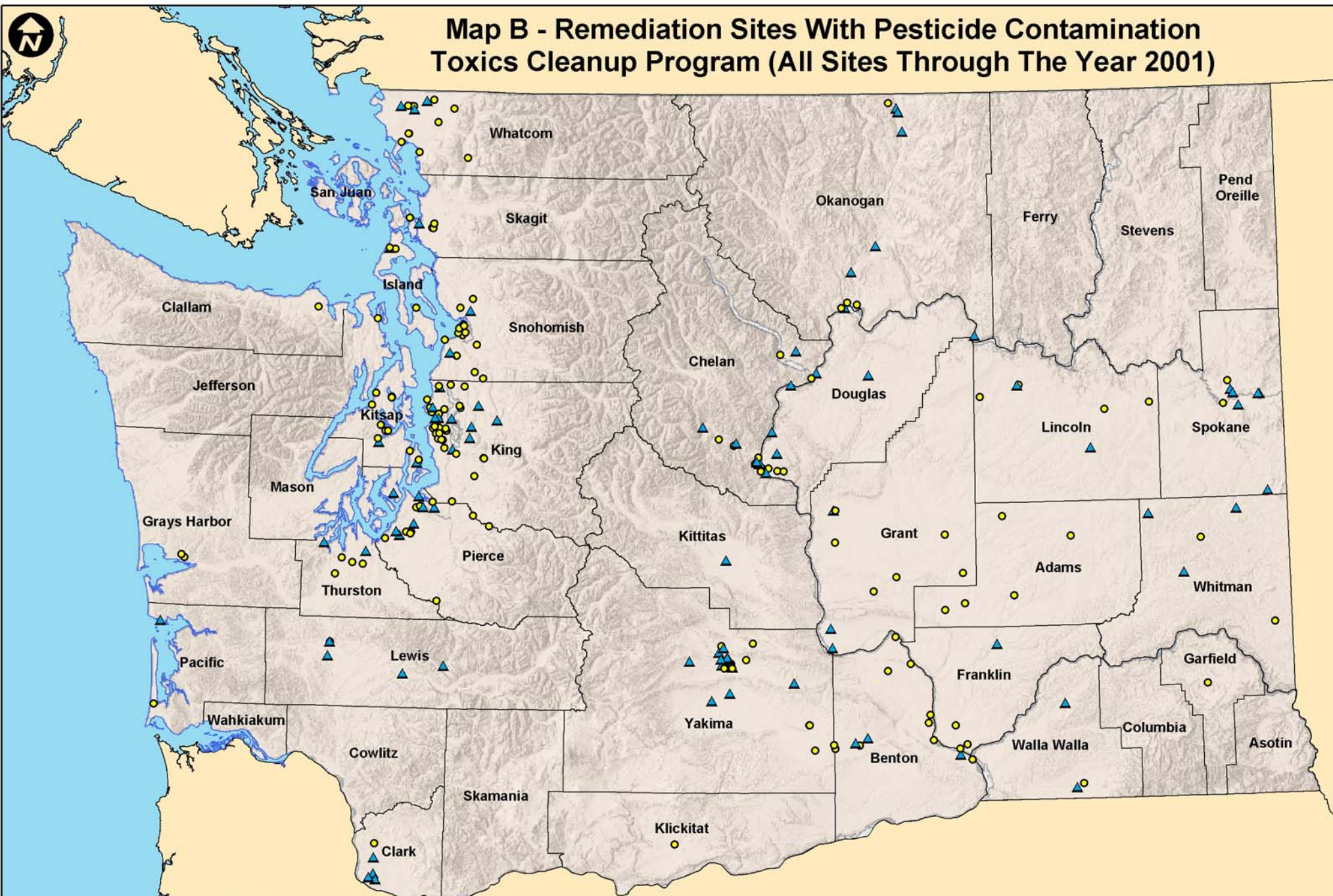
Disclaimer:

Data displayed in this map relate to sites in the Facility Sitedatabase that have pesticides as a recorded contaminant group. Actual pesticide concentrations are not tracked in this database, and thus no quantitative comparisons can be made with these data. Data used to create this map are current as of October, 2003. Due to the frequency of data being posted to the Facility Site database, some sites which have received NFA status may not be listed as such in this map.

Map Features

- Active Cleanup Sites (awaiting cleanup)

Map B - Remediation Sites With Pesticide Contamination Toxics Cleanup Program (All Sites Through The Year 2001)



Disclaimer:

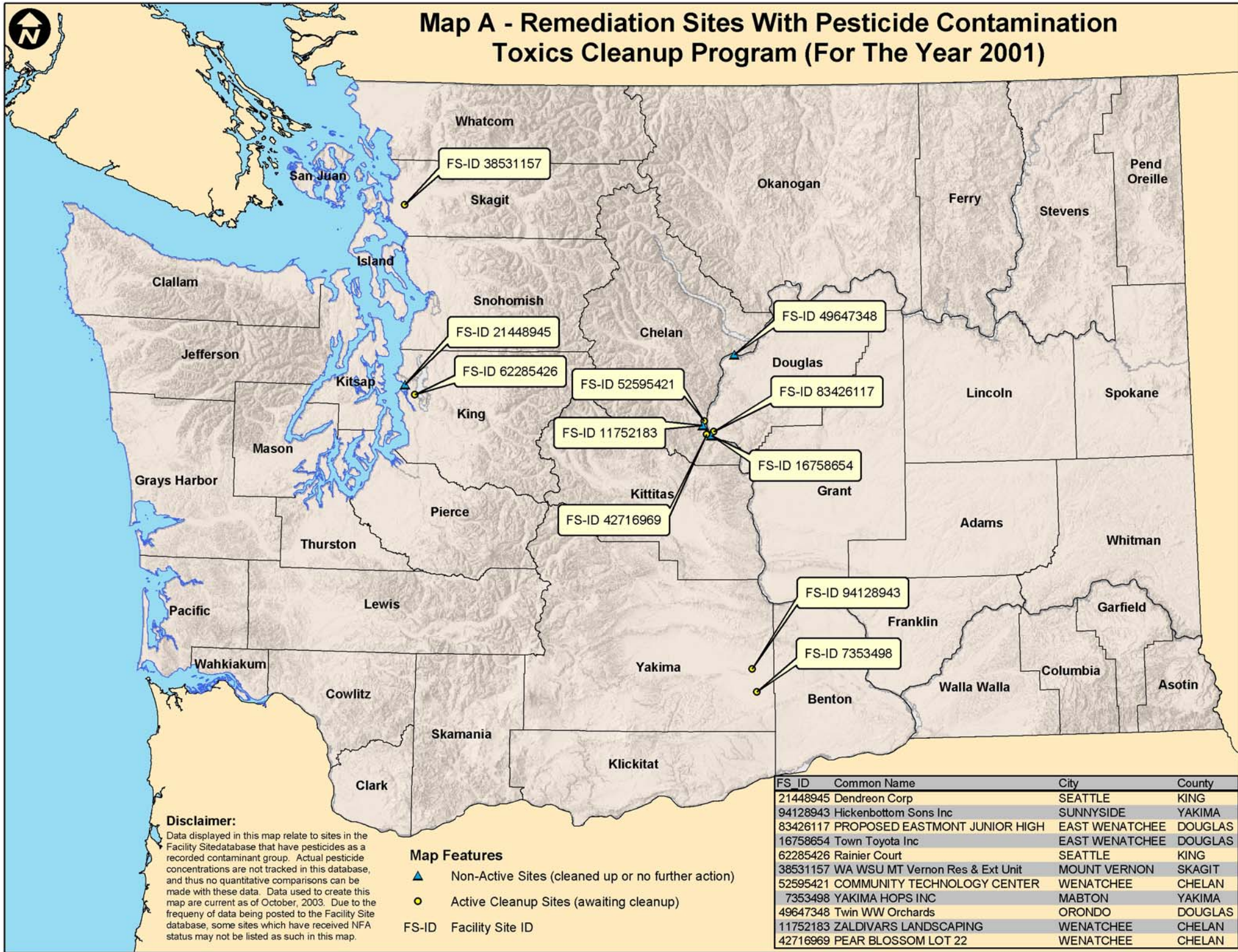
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Map Features

- ▲ Non-Active Sites (cleaned up or no further action)
- Active Cleanup Sites (awaiting cleanup)



Map A - Remediation Sites With Pesticide Contamination Toxics Cleanup Program (For The Year 2001)



Disclaimer:

Data displayed in this map relate to sites in the Facility Sitedatabase that have pesticides as a recorded contaminant group. Actual pesticide concentrations are not tracked in this database, and thus no quantitative comparisons can be made with these data. Data used to create this map are current as of October, 2003. Due to the frequency of data being posted to the Facility Site database, some sites which have received NFA status may not be listed as such in this map.

Map Features

- ▲ Non-Active Sites (cleaned up or no further action)
- Active Cleanup Sites (awaiting cleanup)
- FS-ID Facility Site ID

FS_ID	Common Name	City	County
21448945	Dendreon Corp	SEATTLE	KING
94128943	Hickenbottom Sons Inc	SUNNYSIDE	YAKIMA
83426117	PROPOSED EASTMONT JUNIOR HIGH	EAST WENATCHEE	DOUGLAS
16758654	Town Toyota Inc	EAST WENATCHEE	DOUGLAS
62285426	Rainier Court	SEATTLE	KING
38531157	WA WSU MT Vernon Res & Ext Unit	MOUNT VERNON	SKAGIT
52595421	COMMUNITY TECHNOLOGY CENTER	WENATCHEE	CHELAN
7353498	YAKIMA HOPS INC	MABTON	YAKIMA
49647348	Twin WW Orchards	ORONDO	DOUGLAS
11752183	ZALDIVARS LANDSCAPING	WENATCHEE	CHELAN
42716969	PEAR BLOSSOM LOT 22	WENATCHEE	CHELAN

Appendix F

DOH – NIOSH Grant “Improving Data Quality in Pesticide Illness Surveillance”

“Improving Data Quality in Pesticide Illness Surveillance” National Institute for Occupational Safety and Health (NIOSH) Grant, Washington State Department of Health

1. Improving the functionality and compatibility of the PIMS database management system

From 1991 through 1999, the PIMS program used an Rbase database located on a Novell server at DOH. Because of a lack of internal support for Rbase programs, DOH adoption of new software specifications and, most importantly, coded variables inconsistent with the current CDC/NIOSH standardized definitions and formats, a new database management system was created. The original database structure was revised and expanded so that data are consistent with CDC/NIOSH standard variable definitions, coding, names and formats, and can be easily exported to NIOSH, EPA and the other surveillance states in a standardized format.

2. Evaluating and improving the quality of data collected by PIMS

- a. Examination of the effect of data quality on case determination for pesticide related illness: This work has been completed and is in the process of being written up for presentation.
- b. Estimate the degree and understanding of the determinants of underreporting: As of this printing, the following activities have been initiated.

Key Informant Interviews and Worker Focus Groups have been conducted and the data are being analyzed.

DOH is presently conducting a study of hospital and emergency department outpatient records from providers in the Yakima Valley to ascertain the degree of under reporting. Each of the major health facilities in Yakima County will be contacted about outpatient encounters potentially related to pesticides during the year 2000. Potential cases will be identified by External Cause of Injury Codes (E-codes) that specify specific pesticides or agricultural chemicals, or manifestation codes indicating toxic effects of specific and non-specific pesticides and non-medical substances. The records will be matched against PIMS cases.

In the third year of the project, interviews will be targeted to providers where farm workers seek medical care without filing a Workman’s Compensation claim. These interviews will focus on the importance of the surveillance system and discuss provider procedures for reporting when suspected pesticide related illnesses are seen.

- c. Improving the quality of spatial data: Presently incident location is recorded only to the county level. This makes it impossible to use the data to target specific regions, conduct spatial analysis of where farmworkers seek medical care in relation to where they work or live, or to graphically display the location of

incidents on a statewide basis. This portion of the study will seek to improve the accuracy of the recording of incidents by geographic location. It will be undertaken in the third year of the project.

3. Enhancing the analysis of PIMS data and expanding the dissemination of program and policy relevant information derived from PIMS data.

Work on this element will be completed in the second and third years of the grant. Interviews will be conducted with those who develop interventions and those affected by interventions. Interviews will also be conducted with the PIRT Panel, employer trade organizations, grower groups and farm worker representatives. A final report based on the interviews will summarize the comments and list the suggested analyses and data products.