

OREGON OSHA PESTICIDE EMPHASIS PROGRAM ANNUAL REPORT

Federal Fiscal Year 2006

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Oregon OSHA Pesticide Emphasis Program FY 2006 Annual Report

Introduction

This is the seventh year in a working relationship between Oregon OSHA (OR-OSHA) and the United States Environmental Protection Agency (EPA), Region 10, Pesticide Enforcement Unit. OR-OSHA enforces the Worker Protection Standard, which is supplemented with an inspection emphasis program.

This report is the annual review of the pesticide emphasis program for federal fiscal year 2006 (FFY 2006). The data elements and analysis are presented, along with recommendations for program improvements for the coming year.

Data Elements

The data elements examined in this report are based on OR-OSHA's Program Directive A-235, entitled "Local Emphasis Program for Pesticides." Inspections were completed from a programmed list selected from the following list of Standard Industrial Classifications (SICs):

- SIC 0139 Field Crops, except Cash Grains, Not Elsewhere Classified
- SIC 0175 Deciduous Tree Fruits
- SIC 0181 Nursery
- SIC 0191 General Farming
- SIC 0721 Crop preparation including pesticide spraying

Other SICs inspected as a result of complaints, referrals or programmed Agricultural Health inspections are included in this report if the inspection addressed pesticide-related issues.

Data Summary

The goal of the Pesticide Emphasis Program is to reduce occupational exposures to pesticides in agriculture. The Pesticide Emphasis Program continues to develop as an effective tool by disseminating information, education, and compliance assistance and enforcement activities to reduce occupational exposures to pesticides in the agriculture industry. The following is a brief summary of the findings resulting from the evaluation of FFY 2006 activity.

Inspection Activity

In FFY 2006, 68 inspections were completed which identified 275 pesticide-related violations. These included violations of the Worker Protection Standard (WPS) and other occupationally related standards pertaining to pesticides. Fifty-two of the 68 inspections covered SICs identified in the emphasis program (Figures 1 and 3). Employers whose SIC is identified in the Program Directive will be referred to as "selected SICs" for the purposes of this report. The 68 inspections included 58 programmed (agricultural health or pesticide emphasis), three complaints and seven referrals (Figure 2).

The 68 inspections accounted for 66 different employers, of which 39 had previous inspection activity with OR-OSHA. Of these, 8% (3/39) were in-compliance; one met the small

Agriculture Employer Exemption. Of the 29 employers who had never been inspected, 31% (9/29) were in-compliance. Overall the in-compliance rate was 18% (12/68).

Violation characteristics

Of the 275 pesticide related violations in FFY 2006, 14% (39/275) were cited as serious. Of the WPS violations, 14% (22/141) were cited as serious. There were 13 inspections with civil penalties directly related to violations of the Worker Protection Standard. Seventy-eight percent (53/68) of the inspections were classified as Tier One, those in which pesticides had been applied within the previous 30 days (Figures 3 and 4).

Handler Related:

- ◆ 182 of the 275 violations were handler related. Of these:
 - 58 were related to personal protective equipment, of these:
 - 37 related specifically to respiratory protection requirements
 - 17 were decontamination violations
 - 16 involved training issues
 - 14 were Central Posting related
 - 3 involved first aid/EMS
 - 2 were violations of the Highly Toxic Pesticide provisions
 - 50 violations involved Hazard Communication
 - 22 involved pesticide storage violations

Worker Related:

- ◆ 86 of the 270 violations were worker related. Of these:
 - 46 were Central Posting deficiencies
 - 19 involved failure to provide the “Safe Practices When Working Around Hazardous Chemicals” brochure
 - 10 were training related
 - 7 involved deficiencies in notifying workers regarding pesticide applications
 - 3 were decontamination violations
 - 1 violated early entry requirements

Repeat Violations

In FFY 2006, there were five repeat violations; while in FFY 2005 there was one. A violation is termed a repeat when a specific standard is violated, is corrected, and occurs again within a three-year period. To encourage employers to maintain diligence in preventing the reoccurrence of previously cited violations, repeat violations carry higher penalties (Figure 1).

Pesticide Analytical Response Center (PARC) Cases

In FFY 2006 there were nine, widely varying, cases investigated by Oregon OSHA that alleged adverse health effects associated with occupational exposure to pesticides. Seven cases had symptoms that were consistent with exposure routes and the pesticide involved. Investigation into the remaining two cases did not show a correlation between the pesticide used and the symptoms, or in one case, that an exposure had occurred.

The routes of exposure in the seven cases occurred in a variety of settings, two of which occurred in the agricultural setting; two cases as a result of drift; another involved a spill, and one involved improper disposal. Of the two occurring in the agriculture setting, one case resulted in multiple violations of the Worker Protection Standard. The other involved the product (sulfur dioxide), which, while not purchased as a pesticide, was used as such. The product label did not address its use as a pesticide, which prevented the Worker Protection Standard rules from applying. The transportation incident occurred when an herbicide had leaked on an adjacent box containing documents. Upon arriving at their destination, the recipient was not notified that the documents were contaminated.

Of the two cases where the symptoms/pesticide/exposure routes did not correlate, one was reported as a hospitalization. The investigation revealed misuse of an insecticide. A medical review of the symptoms in relation to both the active and inert ingredients was found not to correlate. The other case could not substantiate any evidence of exposure.

Conclusion

Since 1993 OR-OSHA continues to protect agricultural workers in Oregon from pesticide exposure and will continue to implement the Pesticide Emphasis Program which began in 2000. OR-OSHA, the Oregon Department of Agriculture and the Environmental Protection Agency, Region X, continues to meet annually to ensure efficient handling of pesticide related regulations.

The Pesticide Emphasis Program's inclusion of SIC 0181 Nurseries again proved to be appropriate inclusion into the program. In the 37 inspections conducted in this SIC, only three had no violations. Of the 275 pesticide related violations cited throughout the year, 159 of these violations were cited within this SIC. Nursery workers accounted for 77% of the total number of employees covered in FY 1006.

Accomplishments

- ◆ Oregon OSHA's Technical Services Section developed two pesticide related fact sheets:
 - Respirators
 - Pesticide Storage
- ◆ The Memorandums of Understanding with the Oregon Department of Agriculture and Environmental Protection Agency were reviewed and updated.
- ◆ Increased WPS compliance assistance material available through OR-OSHA's Resource Center with the updated EPA "WPS How To Comply" manual, and packets containing a variety of WPS fact sheets produced by the EPA.

Goals

- ◆ Inclusion of forestry into the Pesticide Emphasis Program for FFY 2007.
- ◆ Development of a forestry specific pesticide safety poster.
- ◆ Develop agriculture program appropriate material for conference booths
- ◆ Update the OR-OSHA Pesticide Web page.
- ◆ Expand the PESO program into agriculture and WPS.

Combined Inspection Data FY 2007

Figure 1

SIC	# INSP	INSP. W/ VIOL.	WPS VIOLATIONS		WPS # Repeat	WPS Penalties	VIOLATIONS NON/WPS		# REPEAT	NON/WPS PENALTIES	# EMPLOYEES
			SER.	OTS			SER.	OTS			
0139	6	5	0	8	0	0	0	7	0	0	89
0175	5	4	5	10	1	\$690	5	11	1	\$365	19
0181	37	34	16	74	1	\$2365	9	66	2	\$835	1841
0191	4	2	0	3	0	0	0	7	0	0	30
0134	2	1	0	2	0	0	0	1	0	0	30
0161	5	4	0	8	0	0	0	11	0	0	65
0171	3	2	0	3	0	0	0	4	0	0	161
0172	1	0	0	0	0	0	0	0	0	0	62
0179	1	1	0	2	0	0	0	0	0	0	40
0182	1	1	0	4	0	0	0	5	0	0	8
0722	1	1	1	2	0	\$165	0	2	0	0	13
0723	1	1	0	1	0	0	3	0	0	\$165	15
0761	1	0	0	0	0	0	0	0	0	0	30
TOTALS FY 2006	68	56	22	117	2	\$3220	17	114	3	\$1365	2403
TOTALS FY 2005	64	52	6	123	0	\$1250	18	124	1	\$1170	1300
TOTALS FY 2004	61	43	26	62	2	\$3580	19	90	3	\$1070	2196
TOTALS FY 2003	70	57	28	85	0	\$2925	21	118	1	\$1165	1875
TOTALS FY 2002	87	46	27	83	0	\$2900	36	90	0	\$2560	1879

* Penalty was part of a grouped violation

Figure 2 TYPES OF INSPECTIONS

SIC	0139	0175	0181	0191	0134	0161/ 0171	0172	0179	0722	0723	0182	0761	Totals
Programmed	5	3	35	4	0	8	1	1	0	0	0	1	58
Complaint	0	1	1	0	1	0	0	0	0	0	0	0	3
Referral	1	1	1	0	1	0	0	0	1	1	1	0	7

PESTICIDE ENFORCEMENT ACTIVITY IN SELECTED SICs

Figure 3

SIC	0139	0175	0181	0191	0721	TOTALS
#Attempts	7	8	39	11	2	67
# Inspections	6	5	37	4	0	52
* Tier 1	4	5	29	2	0	40
* Tier 2	2	0	8	2	0	12
# Employees	89	19	1841	30	0	1979
# With Violations	5	4	34	2	0	45
% Inspections with Violations	83%	80%	92%	50%	0	87%

**Tier 1 Inspections: Pesticides used within the preceding 30 days plus the restricted entry interval*

** Tier 2 Inspections: Pesticides NOT used within the preceding 30 days plus the restricted entry interval*

*** One Employer met the Small Agricultural Employer exemption*

PESTICIDE ENFORCEMENT ACTIVITY IN NON-SELECTED SICs

Figure 4

SIC	0134	0161	0171	0172	0179	0182	0722	0723	0761	TOTALS
# Attempts	2	6	3	1	1	1	1	1	1	17
# Inspections	2	5	3	1	1	1	1	1	1	16
* Tier 1	2	5	1	1	1	1	1	1	0	13
* Tier 2	0	0	2	0	0	0	0	0	1	3
# Employees	30	65	161	62	40	8	13	15	30	424
# With Violations	1	4	2	0	1	1	1	1	0	11
% Inspections with Violations	50%	80%	66%	0	100%	100%	100%	100%	0	69%

**Tier 1 Inspections: Pesticides used within the preceding 30 days plus the restricted entry interval*

**Tier 2 Inspections: Pesticides NOT used within the preceding 30 days plus the restricted entry interval*

**FY 2006
Inspection History Summary**

Figure 5

<u>Tier One</u> Type of OR-OSHA Encounter	Inspections with WPS violations	Inspections with only PRV*	No violations	TOTAL
Never inspected before	17	0	5	22
Previous health inspection	13	2	2	17
Previous safety inspection	8	1	1	10
Previous Ag Labor Housing	2	1	0	3
Previous Field Sanitation insp.	1	0	0	1
Previous health > 5 years	1	0	0	1
Total:	42	4	8	54

*PRV= pesticide related violation

Figure 6

<u>Tier Two</u> Type of OR-OSHA Encounter	Inspections with only PRV	No Violations	Total
Never inspected before	3	4	7
Previous Health inspection	6	0	6
Previous safety, Ag Labor Housing or Field Sanitation	1	0	1
Total:	10	4	14

0181 Nurseries

Figure 7

HANDLERS	Times Cited	Cited as Serious	Cited as Repeat
Central Posting Area	8	0	0
Training	11	4	0
Hazard Communication	29	2	0
Storage	14	1	0
Respiratory Protection (Sub I & WPS)	18	5	1
Personal Protective Equipment	15	5	0
Decontamination (EYE)	6	3	0
Decontamination (General)	6	1	0
TOTAL HANDLER VIOLATIONS	107	21	1
WORKERS	Times Cited	Cited as Serious	Cited as Repeat
Central Posting Area	28	1	0
Training	7	1	0
Pesticide Notification	4	0	0
Decontamination	3	1	0
No "Safe Practices" brochure provided	10	0	0
TOTAL WORKER VIOLATIONS	52	3	0
COMBINED WORKER & HANDLER VIOLATIONS	Times Cited	Cited as Serious	Cited as Repeat
Central Posting Area	36	1	0
Hazard Communication	29	2	2
Training	18	5	0
Respiratory Protection (Sub I & WPS)	18	5	1
Personal Protective Equipment	15	5	0
Storage	14	1	0
No "Safe Practices" brochure provided	10	0	0
Decontamination (General)	9	1	0
Decontamination (EYE)	6	3	0
Pesticide Notification	4	1	0
Highly toxic use/ 2 hr check in	0	0	0
Early Entry	0	0	0
First Aid/EMS	0	0	0
TOTAL VIOLATIONS	159	24	3

Central Posting violations include: lack of pesticide application record, and/or lack of the WPS Pesticide Safety poster, and/or missing emergency medical information.

Hazard Communication violations include: lack of a written hazard communication program, improper labeling of secondary containers, missing MSDSs.

Respiratory Protection violations include: lack of a written respirator program, not performing medical evaluations, no fit tests, cartridges are changed at the end of the work shift, improper respirator selection, improper respirator storage.

Training violations include both lack of WPS training as well as Hazard Communication training.

Personal Protective Equipment violations include lack of appropriate ppe, improper storage & decontamination.

Decontamination violations include using hand sanitizer in lieu of soap, no soap, water, or paper towels, or lack of emergency use coveralls.

0139 Field Crops

Figure 8

HANDLERS	Times Cited	Cited as Serious	Cited as Repeat
Central Posting Area	0	0	0
Training	0	0	0
Hazard Communication	4	0	0
Storage	0	0	0
Respiratory Protection (Sub I & WPS)	4	0	0
Personal Protective Equipment	0	0	0
Decontamination (EYE)	0	0	0
Decontamination (General)	1	0	0
TOTAL HANDLER VIOLATIONS	9	0	0
WORKERS	Times Cited	Cited as Serious	Cited as Repeat
Central Posting Area	3	0	0
Training	0	0	0
Pesticide Notification	1	0	0
Decontamination	0	0	0
No "Safe Practices" brochure provided	2	0	0
TOTAL WORKER VIOLATIONS	6	0	0
COMBINED WORKER & HANDLER VIOLATIONS 0139	Times Cited	Cited as Serious	Cited as Repeat
Hazard Communication	4	0	0
Respiratory Protection (Sub I & WPS)	4	0	0
Central Posting Area	3	0	0
No "Safe Practices" brochure provided	2	0	0
Decontamination (General)	1	0	0
Pesticide Notification	1	0	0
Training	0	0	0
Storage	0	0	0
Personal Protective Equipment	0	0	0
Decontamination (EYE)	0	0	0
Highly toxic use/ 2 hr check in	0	0	0
Early Entry	0	0	0
First Aid/EMS	0	0	0
TOTAL VIOLATIONS	15	0	0

Central Posting violations include: lack of pesticide application record, and/or lack of the WPS Pesticide Safety poster, and/or missing emergency medical information.

Hazard Communication violations include: lack of a written hazard communication program, improper labeling of secondary containers, missing MSDSs.

Respiratory Protection violations include: lack of a written respirator program, not performing medical evaluations, no fit tests, cartridges are changed at the end of the work shift, improper respirator selection, improper respirator storage.

Training violations include both lack of WPS training as well as Hazard Communication training.

Personal Protective Equipment violations include lack of appropriate ppe, improper storage & decontamination.

Decontamination violations include using hand sanitizer in lieu of soap, no soap, water, or paper towels, or lack of emergency use coveralls.

0191 General Farms, primarily crop

Figure 9

HANDLERS	Times Cited	Cited as Serious	Cited as Repeat
Central Posting Area	0	0	0
Training	1	0	0
Hazard Communication	3	0	0
Storage	4	0	0
Respiratory Protection (Sub I & WPS)	0	0	0
Personal Protective Equipment	0	0	0
Decontamination (EYE)	0	0	0
Decontamination (General)	0	0	0
TOTAL HANDLER VIOLATIONS	8	0	0
WORKERS	Times Cited	Cited as Serious	Cited as Repeat
Central Posting Area	2	0	0
Training	0	0	0
Pesticide Notification	0	0	0
Decontamination	0	0	0
No "Safe Practices" brochure provided	0	0	0
TOTAL WORKER VIOLATIONS	2	0	0
COMBINED WORKER & HANDLER VIOLATIONS 0191	Times Cited	Cited as Serious	Cited as Repeat
Storage	4	0	0
Hazard Communication	3	0	0
Central Posting Area	2	0	0
Training	1	0	0
Respiratory Protection (Sub I & WPS)	0	0	0
Personal Protective Equipment	0	0	0
Decontamination (EYE)	0	0	0
Decontamination (General)	0	0	0
Highly toxic use/ 2 hr check in	0	0	0
Early Entry	0	0	0
Pesticide Notification	0	0	0
First Aid/EMS	0	0	0
No "Safe Practices" brochure provided	0	0	0
TOTAL VIOLATIONS	10	0	0

Central Posting violations include: lack of pesticide application record, and/or lack of the WPS Pesticide Safety poster, and/or missing emergency medical information.

Hazard Communication violations include: lack of a written hazard communication program, improper labeling of secondary containers, missing MSDSs.

Respiratory Protection violations include: lack of a written respirator program, not performing medical evaluations, no fit tests, cartridges are changed at the end of the work shift, improper respirator selection, improper respirator storage.

Training violations include both lack of WPS training as well as Hazard Communication training.

Personal Protective Equipment violations include lack of appropriate ppe, improper storage & decontamination.

Decontamination violations include using hand sanitizer in lieu of soap, no soap, water, or paper towels, or lack of emergency use coveralls.

0175 Deciduous Tree Fruits

Figure 10

HANDLERS	Times Cited	Cited as Serious	Cited as Repeat
Central Posting Area	3	0	1
Training	1	0	0
Hazard Communication	4	0	0
Storage	2	0	0
Respiratory Protection (Sub I & WPS)	6	5	0
Personal Protective Equipment	2	1	0
Decontamination (EYE)	0	0	0
Decontamination (General)	2	0	0
Highly toxic use/2 hour check in	2	2	0
First Aid/EMS	3	0	1
TOTAL HANDLER VIOLATIONS	25	8	2
WORKERS	Times Cited	Cited as Serious	Cited as Repeat
Central Posting Area	3	0	0
Training	1	0	0
Pesticide Notification	1	1	0
Decontamination	0	0	0
Early entry	1	1	0
No "Safe Practices" brochure provided	2	0	0
TOTAL WORKER VIOLATIONS	8	2	0
COMBINED WORKER & HANDLER VIOLATIONS 0175	Times Cited	Cited as Serious	Cited as Repeat
Central Posting Area	6	0	1
Respiratory Protection (Sub I & WPS)	6	5	0
Hazard Communication	4	0	0
First Aid/EMS	3	0	1
Training	2	0	0
Storage	2	0	0
Personal Protective Equipment	2	1	0
Decontamination (General)	2	0	0
Highly toxic use/ 2 hr check in	2	2	0
No "Safe Practices" brochure provided	2	0	0
Early Entry	1	1	0
Pesticide Notification	1	1	0
Decontamination (EYE)	0	0	0
TOTAL VIOLATIONS	33	10	2

Central Posting violations include: lack of pesticide application record, and/or lack of the WPS Pesticide Safety poster, and/or missing emergency medical information.

Hazard Communication violations include: lack of a written hazard communication program, improper labeling of secondary containers, missing MSDSs.

Respiratory Protection violations include: lack of a written respirator program, not performing medical evaluations, no fit tests, cartridges are changed at the end of the work shift, improper respirator selection, improper respirator storage.

Training violations include both lack of WPS training as well as Hazard Communication training.

Personal Protective Equipment violations include lack of appropriate ppe, improper storage & decontamination.

Decontamination violations include using hand sanitizer in lieu of soap, no soap, water, or paper towels, or lack of emergency use coveralls.

0161 Vegetables and Melons

Figure 11

HANDLERS	Times cited	Cited as Serious	Cited as Repeat
Central Posting Area	1	0	0
Training	0	0	0
Hazard Communication	5	0	0
Storage	2	0	0
Respiratory Protection (Sub I & WPS)	3	0	0
Personal Protective Equipment	2	0	0
Decontamination (EYE)	0	0	0
Decontamination (General)	1	0	0
TOTAL HANDLER VIOLATIONS	14	0	0
WORKERS	Times Cited	Cited as Serious	Cited as Serious
Central Posting Area	3	0	0
Training	1	0	0
Pesticide Notification	0	0	0
Decontamination	0	0	0
No "Safe Practices" brochure provided	1	0	0
TOTAL WORKER VIOLATIONS	5	0	0
COMBINED WORKER & HANDLER VIOLATIONS 0161	Times Cited	Cited as Serious	Cited as Repeat
Hazard Communication	5	0	0
Central Posting Area	4	0	0
Respiratory Protection (Sub I & WPS)	3	0	0
Storage	2	0	0
Personal Protective Equipment	2	0	0
Training	1	0	0
Decontamination (General)	1	0	0
No "Safe Practices" brochure provided	1	0	0
Decontamination (EYE)	0	0	0
Highly toxic use/ 2 hr check in	0	0	0
Early Entry	0	0	0
Pesticide Notification	0	0	0
First Aid/EMS	0	0	0
TOTAL VIOLATIONS	19	0	0

Central Posting violations include: lack of pesticide application record, and/or lack of the WPS Pesticide Safety poster, and/or missing emergency medical information.

Hazard Communication violations include: lack of a written hazard communication program, improper labeling of secondary containers, missing MSDSs.

Respiratory Protection violations include: lack of a written respirator program, not performing medical evaluations, no fit tests, cartridges are changed at the end of the work shift, improper respirator selection, improper respirator storage.

Training violations include both lack of WPS training as well as Hazard Communication training.

Personal Protective Equipment violations includes lack of appropriate ppe, improper storage & decontamination.

Decontamination violations include using hand sanitizer in lieu of soap, no soap, water, or paper towels, or lack of emergency use coveralls.

0171 Berry Crops

Figure 12

HANDLERS	Times Cited	Cited Serious	Cited Repeat
Central Posting Area	0	0	0
Training	1	0	0
Hazard Communication	2	0	0
Storage	0	0	0
Respiratory Protection (Sub I & WPS)	0	0	0
Personal Protective Equipment	0	0	0
Decontamination (EYE)	0	0	0
Decontamination (General)	0	0	0
TOTAL HANDLER VIOLATIONS	3	0	0
WORKERS	Times Cited	Cited Serious	Cited Repeat
Central Posting Area	2	0	
Training	1	0	0
Pesticide Notification	0	0	0
Decontamination	0	0	0
No "Safe Practices" brochure provided	1	0	0
TOTAL WORKER VIOLATIONS	4	0	0
COMBINED WORKER & HANDLER VIOLATIONS 0171	Times Cited	Cited as Serious	Cited as Repeat
Central Posting Area	2	0	0
Training	2	0	0
Hazard Communication	2	0	0
No "Safe Practices" brochure provided	1	0	0
Storage	0	0	0
Respiratory Protection (Sub I & WPS)	0	0	0
Personal Protective Equipment	0	0	0
Decontamination (EYE)	0	0	0
Decontamination (General)	0	0	0
Highly toxic use/ 2 hr check in	0	0	0
Early Entry	0	0	0
Pesticide Notification	0	0	0
First Aid/EMS	0	0	0
TOTAL VIOLATIONS	7	0	0

Central Posting violations include: lack of pesticide application record, and/or lack of the WPS Pesticide Safety poster, and/or missing emergency medical information.

Hazard Communication violations include: lack of a written hazard communication program, improper labeling of secondary containers, missing MSDSs.

Respiratory Protection violations include: lack of a written respirator program, not performing medical evaluations, no fit tests, cartridges are changed at the end of the work shift, improper respirator selection, improper respirator storage.

Training violations include both lack of WPS training as well as Hazard Communication training.

Personal Protective Equipment violations include lack of appropriate ppe, improper storage & decontamination.

Decontamination violations include using hand sanitizer in lieu of soap, no soap, water, or paper towels, or lack of emergency use coveralls.

0179 Fruit & Tree Nuts (not elsewhere classified)

Figure 13

HANDLERS	Times cited	Cited Serious	Cited Repeat
Central Posting Area	0	0	0
Training	0	0	0
Hazard Communication	0	0	0
Storage	0	0	0
Respiratory Protection (Sub I & WPS)	0	0	0
Personal Protective Equipment	0	0	0
Decontamination (EYE)	0	0	0
Decontamination (General)	0	0	0
TOTAL HANDLER VIOLATIONS	0	0	0
WORKERS	Times Cited	Cited Serious	Cited Repeat
Central Posting Area	2	0	0
Training	0	0	0
Pesticide Notification	0	0	0
Decontamination	0	0	0
No "Safe Practices" brochure provided	0	0	0
TOTAL WORKER VIOLATIONS	2	0	0
COMBINED WORKER & HANDLER VIOLATIONS 0179	Times Cited	Cited as Serious	Cited as Repeat
Central Posting Area	2	0	0
Training	0	0	0
Hazard Communication	0	0	0
Storage	0	0	0
Respiratory Protection (Sub I & WPS)	0	0	0
Personal Protective Equipment	0	0	0
Decontamination (EYE)	0	0	0
Decontamination (General)	0	0	0
Highly toxic use/ 2 hr check in	0	0	0
Early Entry	0	0	0
Pesticide Notification	0	0	0
First Aid/EMS	0	0	0
No "Safe Practices" brochure provided	0	0	0
TOTAL VIOLATIONS	2	0	0

Central Posting violations include: lack of pesticide application record, and/or lack of the WPS Pesticide Safety poster, and/or missing emergency medical information.

Hazard Communication violations include: lack of a written hazard communication program, improper labeling of secondary containers, missing MSDSs.

Respiratory Protection violations include: lack of a written respirator program, not performing medical evaluations, no fit tests, cartridges are changed at the end of the work shift, improper respirator selection, improper respirator storage.

Training violations include both lack of WPS training as well as Hazard Communication training.

Personal Protective Equipment violations include lack of appropriate ppe, improper storage & decontamination.

Decontamination violations include using hand sanitizer in lieu of soap, no soap, water, or paper towels, or lack of emergency use coveralls.

0723 Crop preparation services for market

Figure 14

HANDLERS	Times Cited	Cited Serious	Cited Repeat
Central Posting Area	0	0	0
Training	0	0	0
Hazard Communication	0	0	0
Storage	0	0	0
Respiratory Protection (Sub I & WPS)	3	3	0
Personal Protective Equipment	0	0	0
Decontamination (EYE)	0	0	0
Decontamination (General)	0	0	0
TOTAL HANDLER VIOLATIONS	3	3	0
WORKERS	Times Cited	Cited Serious	Cited Repeat
Central Posting Area	1	0	0
Training	0	0	0
Pesticide Notification	0	0	0
Decontamination	0	0	0
No "Safe Practices" brochure provided	0	0	0
TOTAL WORKER VIOLATIONS	1	0	0
COMBINED WORKER & HANDLER VIOLATIONS 0723	Times Cited	Cited as Serious	Cited as Repeat
Respiratory Protection (Sub I & WPS)	3	3	0
Central Posting Area	1	0	0
Training	0	0	0
Hazard Communication	0	0	0
Storage	0	0	0
Personal Protective Equipment	0	0	0
Decontamination (EYE)	0	0	0
Decontamination (General)	0	0	0
Highly toxic use/ 2 hr check in	0	0	0
Early Entry	0	0	0
Pesticide Notification	0	0	0
First Aid/EMS	0	0	0
No "Safe Practices" brochure provided	0	0	0
TOTAL VIOLATIONS	4	3	0

Central Posting violations include: lack of pesticide application record, and/or lack of the WPS Pesticide Safety poster, and/or missing emergency medical information.

Hazard Communication violations include: lack of a written hazard communication program, improper labeling of secondary containers, missing MSDSs.

Respiratory Protection violations include: lack of a written respirator program, not performing medical evaluations, no fit tests, cartridges are changed at the end of the work shift, improper respirator selection, improper respirator storage.

Training violations include both lack of WPS training as well as Hazard Communication training.

Personal Protective Equipment violations include lack of appropriate ppe, improper storage & decontamination.

Decontamination violations include using hand sanitizer in lieu of soap, no soap, water, or paper towels, or lack of emergency use coveralls.

0134 Farms engaged in the production of Potatoes

Figure 15

HANDLERS	Times cited	Cited Serious	Cited Repeat
Central Posting Area	0	0	0
Training	1	0	0
Hazard Communication	0	0	0
Storage	0	0	0
Respiratory Protection (Sub I & WPS)	0	0	0
Personal Protective Equipment	0	0	0
Decontamination (EYE)	0	0	0
Decontamination (General)	0	0	0
TOTAL HANDLER VIOLATIONS	1	0	0
WORKERS	Times Cited	Cited Serious	Cited Repeat
Central Posting Area	1	0	0
Training	0	0	0
Pesticide Notification	1	0	0
Decontamination	0	0	0
No "Safe Practices" brochure provided	2	0	0
TOTAL WORKER VIOLATIONS	4	0	0
COMBINED WORKER & HANDLER VIOLATIONS 0134	Times Cited	Cited as Serious	Cited as Repeat
Central Posting Area	1	0	0
Training	1	0	0
Pesticide Notification	1	0	0
Hazard Communication	0	0	0
Storage	0	0	0
Respiratory Protection (Sub I & WPS)	0	0	0
Personal Protective Equipment	0	0	0
Decontamination (EYE)	0	0	0
Decontamination (General)	0	0	0
Highly toxic use/ 2 hr check in	0	0	0
Early Entry	0	0	0
First Aid/EMS	0	0	0
No "Safe Practices" brochure provided	0	0	0
TOTAL VIOLATIONS	3	0	0

Central Posting violations include: lack of pesticide application record, and/or lack of the WPS Pesticide Safety poster, and/or missing emergency medical information.

Hazard Communication violations include: lack of a written hazard communication program, improper labeling of secondary containers, missing MSDSs.

Respiratory Protection violations include: lack of a written respirator program, not performing medical evaluations, no fit tests, cartridges are changed at the end of the work shift, improper respirator selection, improper respirator storage.

Training violations include both lack of WPS training as well as Hazard Communication training.

Personal Protective Equipment violations include lack of appropriate ppe, improper storage & decontamination.

Decontamination violations include using hand sanitizer in lieu of soap, no soap, water, or paper towels, or lack of emergency use coveralls.

0722 Crop Harvesting, primarily by machine

Figure 16

HANDLERS	Times Cited	Cited Serious	Cited Repeat
Central Posting Area	0	0	0
Training	0	0	0
Hazard Communication	1	0	0
Storage	0	0	0
Respiratory Protection (Sub I & WPS)	0	0	0
Personal Protective Equipment	1	0	0
Decontamination (EYE)	0	0	0
Decontamination (General)	1	0	0
TOTAL HANDLER VIOLATIONS	3	0	0
WORKERS	Times Cited	Cited Serious	Cited Repeat
Central Posting Area	1	0	0
Training	0	0	0
Pesticide Notification	0	0	0
Decontamination	0	0	0
No "Safe Practices" brochure provided	1	0	0
TOTAL WORKER VIOLATIONS	2	0	0
COMBINED WORKER & HANDLER VIOLATIONS 0722	Times Cited	Cited as Serious	Cited as Repeat
Central Posting Area	1	0	0
Hazard Communication	1	0	0
Personal Protective Equipment	1	0	0
Decontamination (General)	1	0	0
No "Safe Practices" brochure provided	1	0	0
Training	0	0	0
Storage	0	0	0
Respiratory Protection (Sub I & WPS)	0	0	0
Decontamination (EYE)	0	0	0
Highly toxic use/ 2 hr check in	0	0	0
Early Entry	0	0	0
Pesticide Notification	0	0	0
First Aid/EMS	0	0	0
TOTAL VIOLATIONS	5	0	0

Central Posting violations include: lack of pesticide application record, and/or lack of the WPS Pesticide Safety poster, and/or missing emergency medical information.

Hazard Communication violations include: lack of a written hazard communication program, improper labeling of secondary containers, missing MSDSs.

Respiratory Protection violations include: lack of a written respirator program, not performing medical evaluations, no fit tests, cartridges are changed at the end of the work shift, improper respirator selection, improper respirator storage.

Training violations include both lack of WPS training as well as Hazard Communication training.

Personal Protective Equipment violations include lack of appropriate ppe, improper storage & decontamination.

Decontamination violations include using hand sanitizer in lieu of soap, no soap, water, or paper towels, or lack of emergency use coveralls.

0182 Crops grown undercover (Mushrooms)

Figure 17

HANDLERS	Times Cited	Cited Serious	Cited Repeat
Central Posting Area	2	0	0
Training	1	0	0
Hazard Communication	2	0	0
Storage	0	0	0
Respiratory Protection (Sub I & WPS)	3	0	0
Personal Protective Equipment	1	0	0
Decontamination (EYE)	0	0	0
Decontamination (General)	0	0	0
TOTAL HANDLER VIOLATIONS	9	0	0
WORKERS	Times Cited	Cited Serious	Cited Repeat
Central Posting Area	0	0	0
Training	0	0	0
Pesticide Notification	0	0	0
Decontamination	0	0	0
No "Safe Practices" brochure provided	0	0	0
TOTAL WORKER VIOLATIONS	0	0	0
COMBINED WORKER & HANDLER VIOLATIONS 0182	Times Cited	Cited as Serious	Cited as Repeat
Respiratory Protection (Sub I & WPS)	3	0	0
Central Posting Area	2	0	0
Hazard Communication	2	0	0
Training	1	0	0
Personal Protective Equipment	1	0	0
Storage	0	0	0
Decontamination (EYE)	0	0	0
Decontamination (General)	0	0	0
Highly toxic use/ 2 hr check in	0	0	0
Early Entry	0	0	0
Pesticide Notification	0	0	0
First Aid/EMS	0	0	0
No "Safe Practices" brochure provided	0	0	0
TOTAL VIOLATIONS	9	0	0

Central Posting violations include: lack of pesticide application record, and/or lack of the WPS Pesticide Safety poster, and/or missing emergency medical information.

Hazard Communication violations include: lack of a written hazard communication program, improper labeling of secondary containers, missing MSDSs.

Respiratory Protection violations include: lack of a written respirator program, not performing medical evaluations, no fit tests, cartridges are changed at the end of the work shift, improper respirator selection, improper respirator storage.

Training violations include both lack of WPS training as well as Hazard Communication training.

Personal Protective Equipment violations include lack of appropriate ppe, improper storage & decontamination.

Decontamination violations include using hand sanitizer in lieu of soap, no soap, water, or paper towels, or lack of emergency use coveralls.

Pesticide Related Interventions – External Training

<u>Agriculture classes</u> 401 – Worker Protection Standard, workshops and on site training 203 – Personal Protective Equipment, workshops, on-site training and Internet courses 205 – Hazard Communication Program, workshops, on-site training, and Internet courses	46 Sessions
Total in attendance	877

<u>Speaking Requests</u> Clackamas Community College (2 times) Oregon Association of Nurserymen	<u># In Attendance</u> 50 Number not gathered
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Pesticide Related Interventions – Resource Center

Pesticide Video loans	51
“Safe Practices When Handling Agricultural Chemicals” brochure	16,825
Washing pesticide contaminated clothing magnet (Spanish)	325
Cultivate a Safe Environment	400
Field Sanitation Notice	400
Agriculture Seasonal Worker Orientation	350
Division 4, Agriculture	240

Pesticide Related Interventions – Consultative Services - Conferences

Willamette Valley Ag Expo	November 2005
Oregon Landscape Expo	December 2005
Far West Ag Show	August 2006

Pesticide Related Interventions – Consultative Services – Consultations by SICs

0139	0175	0181	0191	0721	Total
6	26	20	10	0	62

**OR-OSHA RESOURCE CENTER
PESTICIDE RELATED VIDEOS
2006**

Requests filed from Oct 1, 2005 to September 30, 2006

#	Name	English	Spanish	Times Req.
464	EPA WPS for Orchard Workers	x	x	0
465	EPA WPS for Pesticide Handlers	x	x	2
474	Oregon Pesticide Safety Guide	x		5
475	Oregon Pesticide Safety Guide		x	1
381	Chasing the Sun/Siguiendo El Sol	x	x	2
384	Greenhouse Pesticide Safety Training Workers & Handlers	x	x	1
352	How to Conduct Worker Protection Training/Train the Trainer	x		6
380	Pesticide Handlers and the Worker Protection Standard	x		2
383	Pesticide Handlers and the Worker Protection Standard		x	6
600	Pesticide Safety: Help Workers Protect Themselves	x		4
608	Pesticide Safety: Help Workers Protect Themselves		x	5
323	Pesticide Safety Worker Protection Oregon	x	x	2
392	Pesticide Training for Agricultural Employees	x	x	0
327	Shedding Some Light on Pesticide Protection	x		6
332	Worker Protection Standard An Overview	x		1
1051	Protecting Yourself From Pesticide Hazards	x	x	2

Total 51