OREGON OSHA PESTICIDE EMPHASIS PROGRAM ANNUAL REPORT Federal Fiscal Year 2015



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Introduction:

Oregon OSHA and the United States Environmental Protection Agency (EPA), Region 10 Pesticides and Toxics Unit, collaborate on pesticide safety issues. Oregon OSHA enforces the Worker Protection Standard, which is supplemented with a pesticide emphasis program. This report is the annual review of the pesticide emphasis program for federal fiscal year 2015 (FY2015). 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 Oregon OSHA's Program Directive A-235, entitled "Local Emphasis Program for Pesticides." Inspections were completed from a programmed list selected from these North American Industrial Classification System (NAICS) codes which will be referred to as "selected NAICSs" for the purposes of this report.

NAICS 111998 General farming, field Crops, except Cash Grains, Not Elsewhere Classified NAICS 111339 Deciduous Tree Fruits NAICS 111421 Nurseries & Tree Production NAICS 111422 Floriculture Production NAICS 115112 Crop preparation including pesticide spraying

NAICS were selected based on the amount and toxicity of pesticides in use, frequency of pesticide applications, the diversity of crops, and the number of workers employed, and work practices in use. Other NAICSs inspected as a result of complaints, referrals or programmed Agricultural Health inspections are included in this report if the inspection addressed pesticide-related issues. For FY2016 two additional NAICS were added, 111332, Grape Vineyards, and 113110 Timber Tract Operations.

Data Summary:

Pesticide exposures occur throughout the handling process, from purchase to disposal. The goal of the Pesticide Emphasis Program is to reduce occupational exposures to pesticides in agriculture through enforcing the pesticiderelated standards such as the Worker Protection Standard, Hazard Communication, Respiratory Protection, Pesticide Storage, Fumigation, Thiram, and supervision. Implementation of these requirements can reduce the likelihood of exposures resulting in acute or chronic effects. The Pesticide Emphasis Program continues to be an effective tool for disseminating information, education, 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 FY2015 activity. Please see each section for tables and explanations of each.

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Inspection Activity: In FY2015, 59 inspections were done, with 50 inspections (85%) resulting in citations, and covering 2685 workers. The Worker Protection Standard (WPS) was applicable in 41 inspections, indicated by Tier 1 and Tier 2 in the table below. WPS Tier 1 inspections accounted for 59% (35/59) of the pesticide emphasis inspections, and 10% (6/59) were Tier 2. For all WPS inspections, 85% (35/41) were classified as Tier 1. Inspections where pesticides have been used within the preceding 30 days plus the restricted entry interval are classified as Tier 1; inspections where pesticides have not been used within the preceding 30 days plus the restricted entry interval are classified entry interval are classified as Tier 2.

In the selected NAICS, 31 inspections were conducted with citations issued in 26 cases, of these 84% (26/31) classified as WPS Tier 1 inspections. Of the 59 pesticide emphasis inspections, 31% (18/59) fell outside the scope of the Worker Protection Standard.

| Industry (NA | | Completed | Citation issued | In compliance | Percent with citation issued | Percent in compliance | WPS Tier 1 | WPS Tier 2 | Pesticide Emphasis, Non-WPS | Employees covered |
|----------------|--------|-----------|--------------------|------------------|---------------------------------------|-----------------------|------------------|------------------|-----------------------------------|----------------------|
| Selected NAICS | 111339 | 6 | 4 | 2 | 66 | 33 | 5 | 1 | 0 | 43 |
| | 111421 | 11 | 9 | 2 | 82 | 18 | 7 | 4 | 0 | 229 |
| | 111422 | 3 | 3 | - | 100 | - | 3 | - | - | 67 |
| | 111998 | 7 | 7 | - | 100 | - | 7 | _ | - | 121 |
| | 115112 | 4 | 3 | 1 | 75 | 25 | 4 | - | - | 90 |
| | 111219 | 1 | 1 | - | 100 | - | 1 | - | - | 4 |
| | 111332 | 1 | 1 | - | 100 | - | 1 | - | - | 8 |
| | 111334 | 4 | 3 | 1 | 75 | 25 | 4 | - | - | 179 |
| | 111335 | 1 | 1 | - | 100 | - | - | 1 | - | 7 |
| | 113110 | 1 | - | 1 | - | 100 | 1 | - | - | 19 |
| | 113310 | 1 | - | 1 | - | 100 | 1 | - | - | 5 |
| | 115310 | 2 | 2 | - | 100 | - | 1 | - | 1 | 53 |
| | 221310 | 1 | 1 | - | 100 | - | - | - | 1 | 25 |
| | 238160 | 1 | 1 | - | 100 | - | - | - | 1 | 7 |
| | 331528 | 1 | 1 | - | 100 | - | - | - | 1 | 100 |
| | 424910 | 2 | 2 | - | 100 | - | - | - | 2 | 60 |
| | 444220 | 1 | 1 | - | 100 | - | - | - | 1 | 24 |
| | 488190 | 2 | 2 | - | 100 | - | - | - | 2 | 94 |
| | 541990 | 1 | 1 | - | 100 | - | - | - | 1 | 4 |
| | 561422 | 1 | - | 1 | - | 100 | - | - | 1 | 260 |
| | 561710 | 3 | 3 | - | 100 | - | - | - | 3 | 49 |
| | 561730 | 1 | 1 | - | 100 | - | - | - | 1 | 3 |
| | 562910 | 1 | 1 | - | 100 | - | - | - | 1 | 31 |
| | 622110 | 1 | 1 | - | 100 | - | - | - | 1 | 1200 |
| | 713940 | 1 | 1 | - | 100 | - | - | - | 1 | 3 |
| Total | | 59 | 50 | 9 | 85 | 15 | 35 | 6 | 18 | 2685 |

Statistics for Completed Inspections by Industry (NAICS), FY2015

Source: Information Management Division, Oregon Department of Consumer and Business Services, December 2015

Based on the types of inspections listed below, 22 were programmed planned and 19 of these were completed in the selected NAICS. There were 22 complaint inspections with 90% (20/22) receiving citations; of these 55% (11/20) had serious violations. In 2014, 51% of the complaints were unsubstantiated, compared to only 9% (2/22) in 2015. There were 10 referrals in FY2015 with, 70% (7/10) receiving citations; of these 71% (5/7) had serious violations.

| | | | Selected NAICS | | | | |
|-----------------------------|-------|--------|----------------|--------|--------|--------|----|
| | Total | 111339 | 111421 | 111422 | 111998 | 115112 | |
| Total completed inspections | 59 | 6 | 11 | 3 | 7 | 4 | 28 |
| Accident/Fatality | 2 | - | - | 1 | - | - | 1 |
| Complaint | 22 | 2 | 1 | - | 3 | - | 16 |
| Referral | 10 | - | 1 | - | - | 2 | 7 |
| Follow-up | 0 | - | - | - | - | - | - |
| Programmed Planned | 22 | 4 | 8 | 2 | 4 | 1 | 3 |
| Programmed Related | 2 | - | - | - | - | 1 | 1 |
| Un-programmed Related | 0 | - | - | - | - | - | - |
| Attempted (triple zero) | 12 | 1 | 3 | 0 | 3 | 1 | 4 |

Attempted and completed inspections by inspection type and industry (NAICS), FY2015

Source: Information Management Division, Oregon Department of Consumer and Business Services, December 2015

Violation characteristics:

The following table highlights the distribution of violations. In FY2015, there were 217 pesticide related violations cited with penalties totaling \$17,575. WPS penalties accounted for \$14,215. In the selected NAICS 130 violations were cited with penalties totaling \$11,420. WPS violations accounted for 49% (64/130) of those violations with penalties totaling \$6570. Pesticide-related violations accounted for 66 violations with penalties totaling \$4850. Other pesticide–related violations include the Oregon OSHA standards addressing hazard communication, respiratory protection, personal protective equipment, emergency eyewash, supervision, pesticide storage, fumigation, thiram, and work-site inspections.

| Pesticide vio | | Total | | | olations | | Other P | esticide F | Related V | liolations |
|----------------|--------|------------------------------------|---------|--------------------------|----------|-----------------|---------|--------------------------|-----------|-----------------|
| Industry (NA | ICS) | Pesticide Related Violations | Serious | Other than serious | Repeat | Total penalties | Serious | Other than serious | Repeat | Total penalties |
| Selected NAICS | 111339 | 18 | - | 7 | - | - | 1 | 10 | - | \$100 |
| | 111421 | 49 | 9 | 16 | - | \$620 | 10 | 14 | - | \$510 |
| | 111422 | 8 | 1 | 2 | 1 | \$370 | - | 1 | 3 | \$360 |
| | 111998 | 34 | 4 | 15 | - | \$330 | 5 | 10 | - | \$380 |
| | 115112 | 21 | 7 | 2 | - | \$5250 | 11 | 1 | - | \$3500 |
| | Totals | 130 | 21 | 42 | 1 | \$6570 | 27 | 36 | 3 | \$4850 |
| | 111219 | 1 | - | 1 | - | - | - | - | - | - |
| | 111332 | 4 | 3 | 1 | - | \$300 | - | - | - | - |
| | 111334 | 14 | 1 | 8 | - | \$150 | 4 | 1 | - | \$300 |
| | 111335 | 2 | 2 | - | - | \$100 | - | - | - | - |
| | 115310 | 7 | 3 | - | - | \$525 | 1 | 3 | - | \$180 |
| | 221310 | 2 | - | - | - | - | 2 | - | - | \$200 |
| | 238160 | 6 | - | - | - | - | 5 | 1 | - | \$320 |
| | 331528 | 1 | - | - | - | - | 1 | - | - | \$180 |
| | 424910 | 9 | - | - | - | - | 9 | - | - | \$1040 |
| | 444220 | 1 | - | - | - | - | 1 | - | - | \$300 |
| | 488190 | 7 | - | - | - | - | 7 | - | - | \$840 |
| | 541990 | 1 | - | - | - | - | - | 1 | - | - |
| | 561710 | 4 | - | - | - | - | 3 | 1 | - | \$340 |
| | 561730 | 13 | - | - | - | - | - | 13 | - | - |
| | 562910 | 12 | - | - | - | - | 12 | | - | \$1380 |
| | 622110 | 1 | - | - | - | - | - | 1 | - | - |
| | 713940 | 2 | - | - | - | - | - | 2 | - | - |
| | Totals | 87 | 9 | 10 | - | \$1075 | 45 | 23 | - | \$5080 |
| Grand Total | | 217 | 30 | 52 | 1 | \$7645 | 72 | 59 | 3 | \$9930 |

Pesticide Violations and Penalties in FY2015 Totals

Source: Information Management Division, Oregon Department of Consumer and Business Services, December 2015 If a WPS violation is grouped with another violation, the WPS and non-WPS violations are counted separately, but the penalty amount for the whole group is retained with the WPS violation. The violations below are classified as either handler or worker related using the definitions of the Worker Protection Standard. A handler is an employee who either mixes, loads, applies, or works on spray equipment and can be exposed to the concentrated form of the pesticide. Workers are employees who are working with plant materials that may have pesticide residue on them. The most frequently violated standards were for personal protective equipment (PPE-Respirators and PPE-Other). Violations of the Fumigant and Thiram rules were also cited in FY 2015.

| | Violation type | Violations |
|-----------------|---|------------|
| Handler related | PPE Respirators | 30 |
| | PPE- Other | 38 |
| | Hazard communication | 27 |
| | Pesticide storage | 13 |
| | Central posting | 11 |
| | Training | 17 |
| | Decontamination | 13 |
| | Contaminated transportation | 1 |
| | Emergency eyewash | 10 |
| | Fumigants | 4 |
| | Label specific information | 1 |
| | Contact with other persons | 1 |
| | Health Hazard Control Measures/Hazard ID | 5 |
| | Thiram | 5 |
| | Emergency Aid | 1 |
| Worker related | Central posting | 20 |
| | Training | 3 |
| | Safe Practices brochure | 1 |
| | Notification to workers | 4 |
| | Early entry | 1 |
| | Decontamination | 3 |
| Other | Other (Supervision/Inspections) | 4 |
| | Non-pesticide related | 17 |

Pesticide Violations Cited in FY2015

Source: Information Management Division, Oregon Department of Consumer and Business Services, December 2015 **Pesticide Analytical Response Center (PARC) Cases:** The number of PARC cases in FY2015 tripled from the previous year. PARC cases occurred in a variety of settings, with only 16% in the traditional agricultural sector. The forestry sector was represented for the first time with 3 cases, and the other settings ranged from health care to an airport. Two cases involved hospitalizations, one occurred in a nursery and the other in a construction company performing remediation. WPS applied in only 6 cases. The pesticides involved were primarily herbicides(42%) and disinfectants (32%). Of the 6 cases with multiple exposures, 66% involved disinfectants.

| | | PARC Cas | es with Oreg | on O | SHA Involve | ment in | FY2015 | | |
|--------|------------------|--|--------------------|----------|------------------------------|----------------|--------------------|--|--------------------------------|
| Source | Exposure Type | Product | Signal Word | # Exp | Type of Establishment | WPS Applies | Citation Issued | Primary cause | Medical Treatment sought |
| OERS* | Handling product | Atrazine, Velossa Cleanslate + | Warning, Danger | 1 | Forestry | ~ | ~ | Multiple issues | Yes |
| C* | Handling product | Various herbicides | Caution | 1 | Forestry | ✓ | \checkmark | Multiple issues | Yes |
| R | Bystander | Atrazine, Velpar DF | Caution, Danger | 5 | Forestry | \checkmark | \checkmark | Failure to Notify | Yes |
| R | Handler | Glystar Plus | Caution | 1 | Farm | | \checkmark | Unsubstantiated | Yes |
| С | Bystander | Lime Sulfur | Danger | 1 | Farm | | \checkmark | | No |
| ER* | Bystander | Phosphate | Caution | 1 | Nursery | ✓ | ✓ | Inadequate notification'/ventilation | Yes |
| R | Handling product | Microthiol disperss | Caution | 1 | Vineyard | √ | \checkmark | Issues with training, PPE, & decon | Yes |
| R | Handling product | 2,4 D + Roundup | Danger, caution | 1 | Christmas trees | \checkmark | | No violations | |
| С | Handling product | Sodium silicate | Warning | 1 | Roofing | | \checkmark | Inadequate PPE | |
| ER* | Handling product | MDF-500 Part A MDF-500 Part B | Danger | 3 | Remediation | | \checkmark | Multiple issues | Yes |
| С | Handling product | Ranger Pro | Caution | 1 | Landscaping | | ✓ | Bent over & backpack leaked down spine | yes |
| С | Bystanders | Formula 3014 | Danger | 5 | Manufacturing | | ~ | Used too much | Yes |
| R | Bystander | H2Orange2 | Caution | 1 | Gym | | ~ | Failure to follow label | |
| C* | Handling product | Jon-Don Matrix Sanitizer/Cleaner #3 Celeste Sanicide | Danger Caution | 3+ | Disinfecting airplane cabins | | ~ | Inadequate PPE | |
| C* | Handling product | Jon-Don Matrix Sanitizer/Cleaner #3 Celeste | Danger Caution | 3+ | Disinfecting airplane cabins | | ✓ | Inadequate PPE | |

| Source | Exposure Type | Product | Signal Word | # Exp | Type of Establishment | WPS Applies | Citation Issued | Primary cause | Medical Treatment sought |
|--------|------------------|--------------------|-------------|----------|------------------------------------|----------------|--------------------|--|--------------------------------|
| С | Handling product | Various herbicides | Caution | 1 | Blending Bagging weed & feed | | ~ | No air monitoring to determine adequacy of respiratory protection | Yes |
| С | Bystander | Super HDQ Neutral | Danger | 1 | Hospital | | \checkmark | Volume used | Yes |
| R | Bystander | Crossbow | Caution | 1 | Retail | | ~ | Failure to provide medical aid | Yes |
| R | Bystander | Wisdom flowable | Caution | 1 | Call Center | | | | |

Source: C = Complaint filed with Oregon OSHA; R = Referral from PARC; OERS = Oregon Emergency Response System; # exp = the number exposed; ER= Report of hospitalization submitted by employer; * indicates narrative to follow.

• Six PARC Cases Highlighted

The following narratives (referenced in the previous table with an asterisk) provide a synopsis for six cases.

Referral: Pesticide exposures in the Forestry setting:

A referral from the Oregon Emergency Response System resulted after a former employee of an aerial application company presented at the Mercy Medical Center in Roseburg alleging adverse effects from exposure to herbicides over three week period. Herbicides used included Atrazine, Velossa and Cleanslate. The former employee video taped his exposures and released multiple segments to the news media. During the investigation, another employee of the company, but with a different crew, sought medical care in Oregon after exposure on a jobsite in Washington state. Both experienced difficulty breathing, sinus issues and skin irritation. Joint investigations by Oregon OSHA and the Oregon Department of Agriculture (ODA) resulted in numerous violations by Oregon OSHA and the suspension of the company's Commercial Operator's license by ODA.

Employer reports of hospitalization: 2 employees are hospitalized after pesticide exposures:

<u>Employer Report Case 1</u>: A nursery worker entered an enclosed hoop house (~5 feet high) approximately 2 hours after the area was treated with the fungicide Phosphate. The employee was taken to an immediate care facility and transferred to Salem Hospital where he was hospitalized after experiencing difficulty breathing, nausea and vomiting. The hoop structure did not have any ventilation. A hoop structure such as this is designed to offer protection from the cold, and is not designed to be a work area. The employer was cited for inadequate signage to keep employees out of the area.

<u>Employer Report Case 2</u>: A construction company that specializes in water damage remediation had an employee hospitalized with 1st and 2nd degree chemical burns over 20% of his body after applying MDF 500 Part A and Part B in a crawl space of a private residence using a pressurized hand held sprayer. Another employee received burns to the arm and shoulder. The employer received multiple violations and referrals were made to the Oregon Department of Agriculture regarding use inconsistent with the label and to Federal OSHA.

2 Complaints: Pesticide application in airline cabins:

At least three employees suffered skin rashes and eye irritation after using the disinfectants Jon-Don Matrix Sanitizer/Cleaner #3 and Celeste Sanicide to disinfect commercial airplane cabins. The employees developed the rashes just above the cuff line of the inadequate gloves they were provided. The employer was cited for multiple violations.

Consultative Services FY2015

| Consultations by NAICS in FY 2015 | Safety | Health |
|-----------------------------------|--------|--------|
| 111339 | 40 | 3 |
| 111421 | 12 | 3 |
| 111422 | 4 | 0 |
| 111998 | 12 | 3 |
| 115112 | 4 | 1 |
| 111332 | 8 | 5 |
| 113110 | 8 | 0 |
| Totals | 88 | 15 |

Source: Information Management Division, Oregon Department of Consumer and Business Services, December 2015

• External Training:

External training consists of speaking requests performed in conjunction with Oregon Department of Agriculture credit events and workshops put on by the Oregon OSHA Public Education Section. Speaking requests were conducted mostly in conjunction with day long multi-program agendas put on by grower groups, such as the Horticultural Society, the Oregon Agricultural Chemical and Fertilizer Association, the Oregon Department of Agriculture, or the Oregon State University Extension Service, for the purpose of maintaining credits for pesticide licensees.

| Date | Торіс | Attendees |
|------------|--|-----------|
| 11/4/2014 | Learning from History: Pesticide Spills | 120 |
| 11/5/2014 | Learning from History: Pesticide Spills | 125 |
| 11/6/2014 | Learning from History: Pesticide Spills | 250 |
| 12/5/2014 | Stories and Tales from the Field | 50 |
| 12/9/2014 | Deciphering the Pesticide Label for Proper PPE Selection | 54 |
| 12/10/2014 | Oregon Pesticide Emphasis Program | 100 |
| 1/6/2015 | Respirator Program | 200 |
| 1/12/2015 | WPS and Hazard Communication | 105 |
| 1/20/2015 | Learning from History: Transporting Pesticides | 200 |
| 1/27/2015 | Haz Com & WPS Training for Employees | 23 |
| 1/27/2015 | Heat Illness | 23 |
| 1/27/2015 | Respirators to Prevent Respiratory Disease | 23 |
| 1/27/2015 | Changes to WPS | 23 |
| 1/28/2015 | Respirators to Prevent Respiratory Disease | 13 |
| 1/28/2015 | Changes to WPS | 13 |
| 1/28/2015 | Haz Com & WPS Training for Employees | 13 |
| 1/29/2015 | Respirators to Prevent Respiratory Disease | 8 |
| 1/29/2015 | Changes to WPS | 8 |
| 1/29/2015 | Haz Com & WPS Training for Employees | 8 |
| 1/29/2015 | Solutions to Common Violations | 8 |
| 1/30/2015 | DIY Respirator Program | 120 |
| 2/4/2015 | Learning from History: Transporting Pesticides | 115 |
| 2/16/2015 | WPS in Forestry | 73 |
| 3/3/2015 | Worker Protection Standard for Forestry | 200 |
| 3/6/2015 | Respiratory Protection for Agriculture Operations | 5 |
| 3/18/2015 | Personal Protective Equipment- Pesticide Emphasis | 80 |
| 3/27/2015 | Hot Topic: Pesticide Emphasis Program | 33 |
| 9/22/2015 | Oregon OSHA Rules that Apply to Structural Pest Control | 50 |
| | | 2043 |

Oregon OSHA speaking requests in FY2015

| resticide Related interventions – External fraining, F12015 | Pesticide Related Interventions – Ex | xternal Training, FY2015 |
|---|--------------------------------------|--------------------------|
|---|--------------------------------------|--------------------------|

| Classes (Workshop & Internet) | Sessions | Attendees |
|--|----------|-----------|
| Hazard Communication – Aligned with GHS (HazCom) | 13 | 834 |
| Personal Protective Equipment (PPE) | Internet | 662 |
| Worker Protection Standard (WPS) | 5 | 76 |
| | | 1,608 |

Source: Information Management Division, Oregon Department of Consumer and Business Services, December 2015

Public Outreach: Oregon OSHA tracks publication circulation and video requests. The next few tables show activity for FY2015.

| Oregon O | SHA Public | cations in | FY2015 |
|----------|------------|------------|--------|
|----------|------------|------------|--------|

| Titles | Number Distributed |
|--|--------------------|
| Pesticide Use and Your PPE | 688 |
| Safe Practices When Working Around Agricultural Chemicals (English/Spanish) | 4929 |
| Air You Breathe: Oregon OSHA's Respiratory Protection Guide for Agricultural Employers | 409 |
| Pesticide Worker Protection Standard reference guide | 186 |
| Agricultural Activities AO 3-2014 | 68 |

Oregon OSHA Resource Center Pesticide-related Videos, FY2015

| # | Name | English | Spanish | Requests |
|-------|--|---------|---------|----------|
| 72 | BREATHE EASY - RESPIRATOR SAFETY (E/S) | Х | х | 9 |
| 66/67 | HAZARD COMMUNICATION - AGRICULTURE SERIES | Х | Х | 9 |
| 1293 | HAZARD COMMUNICATION - AGRICULTURE SERIES | Х | | 1 |
| 352 | HOW TO CONDUCT WORKER PROTECTION TRAINING/TRAIN THE TRAINER | Х | | 3 |
| 170 | PESTICIDE HANDLERS AND THE WORKER PROTECTION STANDARD | Х | | 2 |
| 171 | PESTICIDE HANDLERS AND THE WORKER PROTECTION STANDARD | | Х | 1 |
| 151 | PESTICIDE PROTECTION TRAINING FOR AGRICULTURAL WORKERS (E/S) | Х | Х | 5 |
| 95 | PESTICIDE SAFETY WORKER PROTECTION (1987. REV 1997) | Х | Х | 1 |
| 383 | PESTICIDE HANDLERS AND THE WORKER PROTECTION STANDARD | | Х | 1 |
| | | | | 32 |

Source: Information Management Division, Oregon Department of Consumer and Business Services, December 2015

Oregon Pesticide Symposium—Multi-Agency Annual Meeting:

The annual Oregon Pesticide Symposium was held in April 2014, with representatives attending from these agencies: Oregon OSHA, Oregon Department of Agriculture, Oregon Department of Forestry, Oregon Department of Environmental Quality, Oregon Health Authority, Oregon Department of Transportation, Oregon State Fire Marshal, Oregon Institute of Occupational Health Sciences (formerly known as CROET), the National Pesticide Information Center, the Pacific Northwest Agricultural Safety and Health Center, Oregon State University and the EPA Region 10.

Conclusions:

The working relationships between Oregon OSHA and the EPA Pesticides Unit (Region 10) remain positive and productive. Oregon OSHA provided assistance to the EPA on the changes they made to the Worker Protection Standard. The Oregon Pesticide Symposium provides opportunities for agencies to collaborate and coordinate around pesticide safety and worker protection issues. The number of agencies present and people in attendance has grown. PARC remains a vital connection for communicating and coordinating agency actions related to pesticide exposure incidents.

Accomplishments:

- Oregon OSHA continued, together with EPA Region 10 and the Oregon Department of Agriculture, to pursue remedies to the significant problem with incorrect respirator language on pesticide labels with EPA. Oregon OSHA presented the issue tot the EPA's Pesticide Operations and Management (POM) meeting in September 2015. POM is a working committee of the State FIFRA Issues Research and Evaluation Group (SFIREG). The Office of Pesticide Programs then created a task force to determine the most effective solution. Oregon OSHA provided the task force with resource materials to clearly understand the scope of the problem.
- Added a fumigation page with links to the Oregon Department of Agriculture and the EPA's Soil Fumigant Toolbox. <u>http://www.orosha.org/relatedlinks/fumigation.html</u>
- Increased outreach to a diversified audience of pesticide users.
- Presented pesticide tracks at both the Governor's Occupational Safety and Health Conference and the Central Oregon Safety and Health Conference.
- Expanded the Oregon Pesticide Symposium to include all Oregon pesticide agencies that either conduct investigations or conduct activities in support of an investigation based upon each agency's regulatory authority. Participants reviewed pesticide cases to better understand each agency's roles and responsibilities, engaged in activities designed to foster information exchange and improve communication.
- Established uniform written procedures to make pesticide incident referrals to the Pesticide Analytical and Response Center (PARC).

• Goals for the coming year:

- Continue to provide technical assistance in partnership with EPA Region 10, the Oregon Department of Agriculture, Oregon Department of Forestry and Slipstream Media to finalize the first Worker Protection Standard pesticide safety training video for Forestry.
- Develop a Frequently Asked Questions section on Oregon OSHA's Pesticide Page to address questions concerning pesticide exposure.
- Develop outreach for the newly regulated marijuana industry with regards to pesticide use.
- Develop, update and provide assistance to the regulated communities regarding the changes made to the Worker Protection Standard.
- Adopt changes to the Worker Protection Standard made by EPA.