Urban Pest Management
Lessons Learned

Oregon Department of Agriculture
Michael Odenthal
Pesticide Investigation and Enforcement

The Pesticides Program regulates the sales, use and distribution of pesticides in Oregon.

To protect people and the environment from any adverse effects of pesticide use while maintaining the availability of pesticides for beneficial uses...
Investigative Districts

[Map of Oregon with districts labeled 1 to 6]
Enforcement Actions

- Letter of Advisement
- Notice of Violation
- Imposition of Civil Penalty
- Civil or Criminal Action
- Stop Sale, Use or Removal Order
- Detainment
- Referral to US EPA
- Referral to other State Agency
Legislative Actions

- Additional Investigation Staff
  - 4 additional investigators
  - 1 additional case reviewer
  - 1 citizen advocate & liaison

- Definition of a “Person”: A person (ORS 174.100), a public body (ORS 174.109) and the federal government or any of its agencies

- Aerial Application License
What to Expect

[Images of broken car windshield with repair materials]
Complainant Information:

Name: ____________________________ Home Telephone Number: ____________________________
Address: __________________________ Work Telephone Number: ____________________________
City: _____________________________ State: _____________________________ Cellular Telephone Number: ____________________________
Zip: _____________________________ County: ____________________________ E-mail Address: ____________________________

Complaint Information:

Date of incident: ____________________________ Time of Incident: ____________________________
Applicator type involved: □ Commercial Company □ Farmer □ Homeowner □ Other
Name of applicator (if known): ____________________________
Company Name (if known): ____________________________ Telephone Number: ____________________________
Address: _____________________________ Zip: _____________________________ City: _____________________________ County: ____________________________
Method of application (please check): □ Aerial □ Ground □ Granular □ Liquid Spray
Weather Information: ____________________________
Chemical involved (if known): ____________________________
Specific nature of the complaint: ____________________________
Site Visit

- Presentation of ID
- Interviews
- Samples
- Application Records
- Product Labels
- Photographs
- Equipment
# The Report/ Findings

**Case Number:** 140061  
**Case Name:** Spiess / Captain Blueberry Farm

## Overview

<table>
<thead>
<tr>
<th>Investigator</th>
<th>Case Reviewer</th>
<th>Manager</th>
<th>Date Started</th>
<th>Date Completed</th>
<th>Date ROL Sent</th>
<th>Date of Referral</th>
<th>List Test(s) Requested</th>
<th>Sample Type</th>
<th>Type of Investigation</th>
<th>Suspected Violation?</th>
<th>Date Reviewed</th>
<th>Related Cases</th>
</tr>
</thead>
<tbody>
<tr>
<td>Isaak Stapleton</td>
<td>Michael Babbitt</td>
<td></td>
<td>08/02/2013</td>
<td>09/30/2013</td>
<td>08/05/2013</td>
<td></td>
<td>Dicamba, 2,4-D, MCPA</td>
<td></td>
<td>AUF</td>
<td>Yes</td>
<td>09/30/2013</td>
<td>ROL 140068</td>
</tr>
</tbody>
</table>
Keep People & Pets off treated Areas until sprays have dried
1. The spray rig operator started on the road on the south end of the planting. He placed the left boom over the crop and sprayed the entire perimeter (25 foot wide swath).

2. After completing the perimeter spray, he went to the South East Corner and extended the right boom and made a pass the full width of the spray boom (60').

3. The operator then went back and forth working from the East to the West side of the field spraying 60 foot swathes.
DO NOT ENTER
PESTICIDE TREATMENT

NOT SAFE FOR PEOPLE OR PETS UNTIL AFTER __3/14/2015___

AREA TREATED: Flower/shrub beds around school and parking areas

PESTICIDE: gallery 73

EPA REG #: 42760-3

GLYSTAR ORGINAL
CROSSBOW
DIMENSION BROWN

POST EMERGENT HERBICIDE
POST EMERGENT HERBICIDE
PRE EMERGENT HERBICIDE
DO NOT ENTER

PESTICIDE TREATMENT

TREATMENT DATE: JULY 29, 30, 31, 2015  6:00 AM – 6:00 PM
RE ENTRY AFTER: AUGUST 1, 2015  6:00 PM
SITE: ALL HIGH SCHOOL ORNAMENTAL SHRUB BEDS
PESTICIDE: GLYSTAR ORIGINAL EPA REG # 42750-60  GALLERY SC EPA REG# 62719-658

Landscape
"When Quality Counts!"

OREGON COMMERCIAL PESTICIDE OPERATOR LICENSE
Grass Seed next to Nurseries
Garlon 4 EPA Reg. No. 62719 - label states:

General Use Precautions and Restrictions

“Do not apply to open water (such as lakes, reservoirs, rivers, streams, creeks, salt water bays, or estuaries).”

Environmental Hazard

“Do not apply directly to water, or to areas where surface water is present, or to intertidal areas below the mean high water mark.”

Product Information

“It is permissible to treat intermittently flooded low lying sites, seasonally dry flood plains and transitional areas between upland and lowland sites when no water is present.” “Do not apply directly to water.”
Dicamba Max 4

DICAMBA MAX 4 may cause injury to desirable trees and plants, particularly beans, cotton, flowers, fruit trees, grapes, ornamentals, peas, potatoes, soybeans, sunflowers, tobacco, tomatoes, and other broadleaf plants when contacting their roots, stems or foliage. These plants are most sensitive to DICAMBA MAX 4 during their development or growing stage. FOLLOW THE PRECAUTIONS LISTED BELOW WHEN USING DICAMBA MAX 4...
Avoid making applications when air currents may carry spray particles to areas where sensitive crops and plants are growing, or when temperature inversions exist. Do not spray near sensitive plants if wind is gusty or in excess of 5 mph and moving in the direction of adjacent sensitive crops. Leave an adequate buffer zone between area to be treated and sensitive plants. Coarse sprays are less likely to drift out of the target area than fine sprays.
Use coarse sprays to avoid potential herbicide drift....

Agriculturally approved drift-reducing additives may be used.

Do not apply DICAMBA MAX 4 adjacent to sensitive crops when the temperature on the day of application is expected to exceed 85° F as drift is more likely to occur.
Curtail M

- Apply only when the wind speed is 2 to 10 mph at the application site.

- Ground Application: …Avoid application under completely calm conditions which may be conducive to air inversion.
PERSONAL PROTECTIVE EQUIPMENT (PPE)

Some materials that are chemical-resistant to this product are polyethylene and polyvinylchloride. If you want more options, follow the instructions for category A on an EPA chemical-resistant category selection chart.

All mixers, loaders, applicators and other handlers must wear:

- Long-sleeved shirt and long pants.
- Shoes plus socks.

Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables exist, use detergent and hot water. Keep and wash PPE separately from other laundry. Discard clothing and other absorbent materials that have been drenched or heavily contaminated with this product's concentrate. Do not reuse them.
**Chemical-resistant gloves** — Often, the pesticide label will provide recommendations for a type of glove in the PPE section. In addition, if the label specifies chemical-resistance categories A through H, use the table below to help you decide what type to provide.

*(Note the reference to a standard glove thickness of at least 14 mils.)*

**Environmental Protection Agency chemical resistance categories for selected personal protective materials**

<table>
<thead>
<tr>
<th>Selection category listed on pesticide label</th>
<th>Type of personal protective material</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Barrier laminate</td>
</tr>
<tr>
<td>A (dry and water-based)</td>
<td>High</td>
</tr>
<tr>
<td>B</td>
<td>High</td>
</tr>
<tr>
<td>C</td>
<td>High</td>
</tr>
<tr>
<td>D</td>
<td>High</td>
</tr>
<tr>
<td>E</td>
<td>High</td>
</tr>
<tr>
<td>F</td>
<td>High</td>
</tr>
<tr>
<td>G</td>
<td>High</td>
</tr>
<tr>
<td>H</td>
<td>High</td>
</tr>
</tbody>
</table>

*Includes natural rubber blends and laminates.

**Key:**
- **High:** Highly chemical resistant. Clean or replace PPE at end of each day’s work period. Rinse off pesticides at rest breaks.
- **Moderate:** Moderately chemical resistant. Clean or replace PPE within an hour of contact.
- **Slight:** Slightly chemical resistant. Clean or replace PPE within 10 minutes of contact.
- **None:** Not chemical resistant. Do not wear this type of material as PPE when contact is possible.

**Remember that waterproof gloves are not necessarily chemical resistant.**

Chemical-resistant gloves with non-separate liners (i.e., flocking) are prohibited. You may wear shorter cotton gloves underneath the chemical-resistant ones, but they must be disposed of immediately upon contact with liquid. In addition, the cotton liners must be disposed of after 10 hours of use or within 24 hours from when they are first worn.

*Never wear cotton, leather, or canvas gloves unless the label specifies that this type is required (e.g., aluminum phosphide fumigants).*
Washing PPE

- Wash clothing before wearing again
- Handle clothing with water-proof gloves
- Rinse or soak first, using a hose or a bucket
- Wash work clothes separately from family wash
- Use detergent and hot water
- Wash a few items at a time
- Use highest water lever, longest wash time
- Line dry in the sun, when possible
- Throw away clothing that won’t wash clean
CoExist
### Daily Spray Report

**Date**: 4-20-15  
**Crew Number**: 2305  
**County**: Lincoln  
**Area Sprayed**: 28.1 Acres  
**Total Shoulder Spray**: 55.04 Miles

#### Chemicals Used

<table>
<thead>
<tr>
<th>Name</th>
<th>EPA Registration No.</th>
<th>Units</th>
<th>Rate/Acre</th>
<th>Rate/Area</th>
<th>Total Quantity</th>
</tr>
</thead>
<tbody>
<tr>
<td>Esplanade</td>
<td>432-1516</td>
<td>02</td>
<td>5</td>
<td>-</td>
<td>141</td>
</tr>
<tr>
<td>Open sight</td>
<td>62719-537</td>
<td>02</td>
<td>3.3</td>
<td>-</td>
<td>9.3</td>
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<tr>
<td>Aquamasters</td>
<td>524-343</td>
<td>02</td>
<td>6.4</td>
<td>-</td>
<td>17.99</td>
</tr>
</tbody>
</table>

#### List of Additives and Application Rates

- Grounded 1/100 gal
- Dynamic 1/100 gal

#### Site Treated

- Road
- Indoor-Office
- Indoor-Park
- Outdoor-Office
- Outdoor-Park

- Shoulder
- Median
- Ditchbank
- Culverts
- Shrub Bed

#### Type of Pesticides Treated:

- Broadleaf weeds
- Grasses

#### Spray Time

- 9:45 AM to 10:51 AM

#### Temperature

- 49° to 65° F

#### Weather Conditions

- Clear
- Partly cloudy

#### Wind Conditions

- Calm
- Light

#### Comments

- Wind start: 0  End: 5 mph

#### Sprayer Equipment Number

- 090961

#### Spray Pressure

- 40 PSI
Questions

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