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...
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
Imagine my surprise
Quiz

What are the two activities that put a person at a greater risk of coming in contact with a pesticide?
Quiz

What are the two activities that put a person at a greater risk of coming in contact with a pesticide?

Mixing and Loading
Quiz

What are the three primary factors that determine sprayer application rates?
Quiz

What are the three primary factors that determine sprayer application rates?

Ground speed, nozzle spacing and nozzle output
Grass Seed next to nurseries
Garlon 4 EPA Reg. No. 62719-40 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).”

Perspective EPA Reg. No. 352-846 label states:

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>Barrier laminate</th>
<th>Butyl rubber (\geq 14) mils</th>
<th>Nitrile rubber (\geq 14) mils</th>
<th>Neoprene rubber* (\geq 14) mils</th>
<th>Natural rubber (\geq 14) mils</th>
<th>Polyethylene</th>
<th>Polyvinyl chloride (PVC) (\geq 14) mils</th>
<th>Viton (\geq 14) mils</th>
</tr>
</thead>
<tbody>
<tr>
<td>A (dry and water-based)</td>
<td>High</td>
<td>High</td>
<td>High</td>
<td>High</td>
<td>High</td>
<td>High</td>
<td>High</td>
<td>High</td>
</tr>
<tr>
<td>B</td>
<td>High</td>
<td>High</td>
<td>Slight</td>
<td>Slight</td>
<td>None</td>
<td>Slight</td>
<td>Slight</td>
<td>Slight</td>
</tr>
<tr>
<td>C</td>
<td>High</td>
<td>High</td>
<td>High</td>
<td>High</td>
<td>Moderate</td>
<td>Moderate</td>
<td>High</td>
<td>High</td>
</tr>
<tr>
<td>D</td>
<td>High</td>
<td>High</td>
<td>Moderate</td>
<td>Moderate</td>
<td>None</td>
<td>None</td>
<td>None</td>
<td>None</td>
</tr>
<tr>
<td>E</td>
<td>High</td>
<td>Slight</td>
<td>High</td>
<td>High</td>
<td>Slight</td>
<td>None</td>
<td>Moderate</td>
<td>High</td>
</tr>
<tr>
<td>F</td>
<td>High</td>
<td>High</td>
<td>High</td>
<td>Moderate</td>
<td>Slight</td>
<td>None</td>
<td>Slight</td>
<td>High</td>
</tr>
<tr>
<td>G</td>
<td>High</td>
<td>Slight</td>
<td>Slight</td>
<td>Slight</td>
<td>None</td>
<td>None</td>
<td>None</td>
<td>None</td>
</tr>
<tr>
<td>H</td>
<td>High</td>
<td>Slight</td>
<td>Slight</td>
<td>Slight</td>
<td>None</td>
<td>None</td>
<td>None</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
You have a product that is labeled for use at 1 quart per acre. You have 10 acres. How much product do you mix in the tank to do all 10 acres?
You have a product that is labeled for use at 1 quart per acre. You have 10 acres. How much product do you mix in the tank to do all 10 acres?

10 quarts or 2.5 gallons
You want to apply 30 gallons spray solution per acre to the 10 acres. How much water do you add to the product in the last question?
Quiz

You want to apply 30 gallons spray solution to the 10 acres. How much water do you add to the product in the last question?

297.5 gallons
## Daily Spray Report

**Highway No.:**
- MP 27.52 to 0.0
- MP 0.0 to 27.52
- MP 27.52 to 55.04

**Crew Number:**
- 2305

**Date:**
- 4-20-15

### Chemicals Used (Product Name)
- **Espanade**: 432-1516, 02, 5, 141
- **Opensight**: 62719-537, 02, 3.3, 93
- **Aquamasters**: 524-343, 02, 64, 1799

### List of Additives and Application Rates
- **Grounded**: 1st/100 gal
- **Dynamic**: 1st/100 gal

### Site Treated:
- **Road**: [Check]
- **Indoor-Office**: [Check]
- **Indoor-Parking**: [Check]
- **Outdoor-Office**: [Check]
- **Outdoor-Parking**: [Check]

### Road Sites (Check Those That Apply)
- **Shoulder**: [Check]
- **Median**: [Check]
- **Brush**: [Check]
- **Sign Post**: [Check]
- **Ditch Bank**: [Check]
- **Laying**: [Check]
- **Culverts**: [Check]
- **Shrub Bed**: [Check]

### Site Desc.
- **Other Sites**: [Check]

### Pests
- **Weeds**: [Check]
- **Insects**: [Check]
- **Rodents**: [Check]
- **Growth Regulator**: [Check]

### Noxious Weeds
- **List "A"**: [Check]
- **List "B"**: [Check]

### Type of Pests Treated:
- Broadleaf Weeds & Grasses

### Spray Time
- **Spray Time**: 9:45 AM to 1:51 PM
- **Temperature**: 49°F
- **Weather Conditions**: Clear, Overcast, Showering
- **Wind Conditions**: Calm, Light

### Type of Application (Check One)
- **Backpack**: [Check]
- **Aerial**: [Check]
- **Grainles**: [Check]
- **Boom**: [Check]
- **Boomless Spray Head**: [Check]

### Sprayer Equipment Number
- **090941**

### Spray Pressure
- **40** PEI

### Comments (See Instructions)
- Wind Start = 0 mph
- End = 5 mph

### Dispatch Contacted - Contact Date and Time:
- [Blank]

### Distribution
- Original to District Manager
- Copy to Section Supervisor

734-34393-06
# Sensitive Crop List

<table>
<thead>
<tr>
<th>Crop</th>
<th>Herbicides of Concern</th>
<th>Timing</th>
</tr>
</thead>
<tbody>
<tr>
<td>Grapes</td>
<td>Phenoxy’s, glyphosate, herbicides</td>
<td>Bud break to leaf fall</td>
</tr>
<tr>
<td>Strawberries</td>
<td>Glyphosate</td>
<td>Spring</td>
</tr>
<tr>
<td>Pears</td>
<td>Flumioxazin</td>
<td>Anytime especially growing season</td>
</tr>
<tr>
<td>Nursery</td>
<td>Phenoxy’s</td>
<td>Growing season</td>
</tr>
<tr>
<td>Christmas Trees</td>
<td>Phenoxy’s, Glyphosate, SUs, Imazapyr</td>
<td>Bud break till harden off</td>
</tr>
<tr>
<td>Filberts</td>
<td>Phenoxy’s,</td>
<td></td>
</tr>
<tr>
<td>Grass Seed</td>
<td>Phenoxy’s</td>
<td>After jointing</td>
</tr>
<tr>
<td>Wheat</td>
<td>Phenoxy’s</td>
<td>After jointing</td>
</tr>
</tbody>
</table>
CoExist
Questions

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