

DEPARTMENT OF FOOD AND AGRICULTURE

Pierce's Disease Control Program
1220 N Street
Sacramento, CA 95814
Form 7.107 (Rev. 04/16)

**Pierce's Disease Control Program
Exhibit # X2****Program Management Practices for Ground/Foliar Spray and Soil Treatments****Program Management Practices**

The following management practices (MPs) will be implemented when conducting ground spray or soil treatments.

1. Conduct a site Assessment

- Verify site to be treated.
- Take note of site conditions, such as soil texture, slope, water bodies, host plants, irrigation, and storm drains.
- Identify and make plans to avoid streamside management areas and surface water.

2. Properly clean and calibrate all equipment to apply chemicals uniformly and in the correct quantities

- Calibrate spray equipment per label instructions.
- Perform equipment screening tests and tank sampling when appropriate.
- Use dedicated specific equipment for specific products when appropriate.
- Ensure equipment is cleaned properly per the manufacturer's specifications and pesticide label directions.
- Select the appropriate nozzle to ensure proper coverage.
- Maintain an equipment log to track calibration, cleaning, and repairs.
- Conduct visual inspections of equipment before use. Check all equipment for leaking hoses, connections, and nozzles.
- Monitor the operation of nozzles during the application.
- Discontinue use immediately if equipment malfunctions or fails to pass screening tests.

3. Follow appropriate ground-rig foliar treatment procedures

- Avoid direct applications to water bodies.
- Maintain a 30-foot buffer around water bodies per National Pollutant Discharge Elimination System (NPDES) permit.
- Use dripless nozzles or fan-type nozzles at low psi if available.
- Spray guns, wands and nozzles should be selected for the type of plant material being sprayed, and to ensure pesticide coverage on all upper and lower leaf surfaces.
- Assess spray coverage by using water sensitive cards as needed.
- When using a blower boom, direct the blower boom to the precise angle needed to treat host plants.
- Ensure the spray boom is equipped with an electric on/off switch to treat the precise target areas where host plants occur.
- Monitor wind conditions. Delay or do not apply foliar sprays if wind speeds are over 10 miles per hour.
- Perform ground-rig foliar treatments at low pressure, to reduce the quantity of fine droplet particles where applicable.
- Allow only staff or private entities under contract to perform ground-rig spot treatments.
- Check weather service prior to application. Delay foliar treatments if there is a 40% or higher chance of rain forecast to occur 24 hours before or after the planned application.

4. Follow pesticide application laws and regulations, and label directions

- Read pesticide label.
- Ensure staff is trained to properly apply pesticide.
- Be aware of any regulations or internal procedures before applications.
- Use appropriate application methods and rates.
- Mix and load chemicals in areas where spills can be contained. Limit mixing and loading in the field.
- Provide annual safety training for all treatment personnel.

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5. Follow appropriate low-pressure backpack treatment procedures

- Avoid direct applications to water bodies.
- Maintain a 30-foot buffer from water bodies per NPDES permit. Use dripless nozzles where applicable.
- Direct the nozzle at the target to minimize drift.
- Monitor wind conditions. Delay or do not apply foliar sprays if wind speeds are over 10 miles per hour.
- Allow only trained staff to perform backpack spot treatments.
- Monitor weather conditions. Delay foliar treatments if there is a 40% or higher chance of rain forecast to occur 24 hours.

6. Train personnel in proper use of pesticides

- Conduct training for personnel in the safe and proper mixing, loading, and application of pesticides, in compliance with both federal and State pesticide regulations and the product label.
- Require employees who supervise the handling and application of pesticides maintain a Qualified Applicator Certificate, issued by CDPR or have County License for Pesticide Regulation.

7. Enforce runoff and drift prevention

- Carefully monitor and evaluate weather conditions within potential treatment areas to determine the effectiveness of control applications immediately before deciding whether to proceed with a treatment and during the course of treatment.
 - Monitor weather conditions before and during applications.
 - Comply with NPDES Permit.

8. Clean equipment and dispose of rinse water per label directions

- Rinse equipment according to manufacturer's label instructions.
- Discharge rinse water only in areas that are part of the application site or at a certified waste treatment facility.
- Dispose of surplus chemical and containers according to label instructions.

9. Follow appropriate product storage procedures

- Ensure proper storage of all pesticides per label instructions.
- Ensure all pesticides removed from their original container are properly sealed for use within a service container.
- Seal all service containers within a tool box.
- Lock tool boxes when unattended.

Special Instructions: _____

Printed name (Owner/Manager)

Signature

Date

Failure to comply with stipulations outlined above may result in civil penalties pursuant to California Food and Agricultural Code Section 5705 and/or revocation of this Agreement.