

DEPARTMENT OF FOOD AND AGRICULTURE

Pierce's Disease Control Program
1220 N Street
Sacramento, CA 95814
Form 7.106 (Rev. 04/16)

**Pierce's Disease Control Program
Exhibit # X1****Program Management Practices for Aerial Spray Treatments****Program Management Practices**

The following management practices (MPs) will be implemented when conducting aerial spray treatments.

1. Use appropriate aerial spray treatment procedures

- Do not spray in urban/residential areas.
- Do not make direct application to water bodies.
- Use driplless nozzles if available.
- Verify the calibration of the contractor's spray equipment before the start of each treatment campaign.
- Make sure that the aircraft pilot is in radio communication with Proposed Program personnel on the ground, to verify wind speed and direction and location of non-target sites, including water bodies, people, vehicles, and buildings.
- Supervise mixing and loading of the aircraft.

2. 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.
- Consider integrated pest management methods designed to minimize the scale and number of pesticide applications. Consider multiple measures such as biological control, host removal, and physical barriers, such as plant screening.

3. 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.

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. Apply chemicals only under favorable weather conditions

- Monitor wind conditions. Delay or do not apply foliar sprays if wind speeds are over 10 miles per hour.
- Check weather service prior to application. Delay or do not apply foliar treatments if there is a 40% or higher chance of rain forecast to occur 24 hours before or after the planned application.

6. Follow integrated pest management and drift reduction techniques

- Use buffer zones where applicable to protect sensitive areas, such as bodies of water, critical habitat for threatened and endangered species, and other identified sensitive areas.
- Use low pressure application equipment if applicable.

7. 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.

8. 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.