SOP: 6.1 Rev. 1

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APPROVED BY: see cover page

TITLE: **Maintenance and Use of Application Equipment**

PURPOSE: Ensure that the application equipment and other field equipment, as indicated by Good Laboratory Practices, are properly operated and maintained.

SCOPE: This procedure applies to all test substance applications from supervised field trials of the Minor Uses Foundation Pesticide Magnitude of Residue Studies.

PROCEDURES:

1. Visually inspect the condition and cleanliness of each piece of equipment before its use. Check that the application equipment, such as pressure gauges, nozzles, filters, and hoses is in good condition. Test for leaks and correct or replace equipment if necessary.

2. Identify each piece of equipment and keep track of its maintenance and usage.

3. Use the proper equipment and have a similar piece of equipment available as a backup. Bring both to the field every time you perform an application.

4. Bring a field toolbox containing replacement parts like gaskets in case repairment for leaks is needed.

5. Use each piece of equipment and perform proper maintenance according to the manufacturer's recommendations.

6. Keep and document accurate maintenance records. Maintenance required because of normal wear is defined as routine maintenance. Maintenance required as a result of equipment malfunction, not normal wear, defines non-routine maintenance. In the event of non-routine maintenance or repair, a record will be kept to describe the nature of the defect, how and when it was discovered, and remedial action taken, if any.

7. After each application, clean the equipment at least three times by performing a rinse with water, followed by a soap and water rinse, followed by a final water rinse as recommended or according to the manufacturer's recommendations. Be sure to include the pumping system, boom, and hoses. Dispose of wastewater according to current regulations.

8. Exceptions to the cleaning requirements may include equipment used in applying chemicals that may require specific solvents to remove chemical residues. In this case, cleaning methods must be thoroughly documented in the field data notebook or equipment log. Includea record of dates of equipment inspection, calibration, maintenance, and cleaning. Historical records will be retained in the archives.

9. If the equipment is not in use, store it in a safe and secure location away from the TS cabinet. Ensure that the equipment is secured to prevent unauthorized access and potential human exposure.

Approved by:



October 5, 2026

Anna Gore, Executive Director
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Date