



Landscape Services

Safety Standard Operating Procedure

(Revised 2/2023)

Pesticide Application

This SSOP provides guidance on the practices established for **Pesticide Application**. As with any equipment or tools, the most basic premise for safe operation is reading and adhering to the manufacturer's instructions and warnings. This SSOP is not a substitute for the owner's manual produced by the manufacturer.

PPE Requirements: Hearing protection, safety glasses, chemical gloves, closed toe shoes, chemical suit, face shield, respirator.

Safety Requirements: Caution signs, pesticide application signs and safety cones.

Safety Hazards: Vehicle and pedestrian traffic, Underground and overhead Utilities, lifting, bending, overhead objects, dust, noise, sharp objects, blind spots, equipment malfunction, pinch points, hot or cold temperatures, and inclement weather.

Safety Precautions: Follow all instructions and precautions in the Toro Workmaster Sprayer booklet, located in the weatherproof tube behind the driver's seat. Use parking brake and turn off engine to John Deere gator, skid mount sprayer. Use all caution to keep drift away from the body.

General

- Follow all manufacturers' recommendations for mixing, applying, and handling of pesticides.
- Calibrate application equipment regularly to ensure proper application and loading rates.
- Scheduled cleaning of application equipment after each use.

Mixing

- All pesticides will be mixed inside the chemical room, Warehouse 1, room 102.
- Always mix only the minimum amount of pesticides that will be needed for the immediate job. Any remaining amount will be used in another zone. Tanks will be rinsed and cleaned with tank cleaner solvent in the chemical room.
- Impervious secondary containment will be loaded into sprayer for dispersal over designated properties.
- Triple rinse pesticide containers when emptied and place rinse water into the spray tank; empty containers are hole punched and then discarded in regular trash.

Application

- Always follow all federal and state regulations governing use, storage and disposal of pesticides and training of pesticide applicators ("Read the Label").
- Time the application of pesticides to coincide with the manufacturer's recommendation for best results.

- Never apply herbicides or pesticides if it is raining or immediately before expected rain.
- Do not apply when wind conditions could result in spray drift to areas not targeted for application.
- In the event of an accidental spill, the applicator is required to ensure that an emergency spill kit with moisture absorbent supplies is available, fully stocked and used for containment of spill.
- Use extreme caution when making application around trees. Do not drive boom sprayer into low-canopy trees. Do not allow drift into trees or other ornamental plants.
- Boom sprayer is to keep application within the designated area of application, with no overspray into bed spaces and limited overspray over sidewalks or streets.

Documentation

- Keep copies of SDS sheets for all pesticides and other hazardous products used.
- Record pesticide application activities, including date, individual who did the application, amount of product used, approximate area covered and any other required information according to Oklahoma state law. Records are to be completed at the end of the day for each application made. Records are to be scanned to Supervisor and place the hard copy in the record book.

Annual Dormant Spray Products: Dormant spray begins early January starting in Residential Life properties and moves to parking lots with an estimated completion before students return from winter break. The application advances throughout campus with an estimated completion date of April 1, weather depending.

- Indaziflam
- Prodiamine
- 2,4-D
- Glyphosate
- Simazine
- Non-ionic Penetrant
- Blue Dye
- Defoamer

Seasonal Spot Spray

- 2,4-D
- Glyphosate
- Non-ionic Penetrant
- Blue Dye
- Defoamer

Toro Workman Sprayer

- Used to make applications in wide, open areas.

Bean Sprayer with Chemlawn Application Gun

- Used to make application by foot in small, tighter areas.