

Trailer Mounted Sprayer

Purpose:

To promote safe and responsible use of herbicides, ensuring appropriate application to prevent injury to animals and humans, or negative impact on the environment.

Safety Equipment Required:

- disposable coveralls
- nitrile gloves
- rubber boots (CSA approved)
- chemical goggles respirator with organic chemical vapor filters (optional; see Alberta Agriculture Crop Protection With Chemicals "Blue Book" for recommendations)

Operating Safety:

Trailer mounted boomless sprayer with the following specifications: 750 or 900 litre tank capacity; hand-held wand with single nozzle and adjustable spray tip, trigger release mechanism on wand. Tank is pressurized mechanically, powered by a 9 hp. Honda gasoline engine.

- 1) Output of the sprayer should be calibrated prior to use. This allows for calculating the correct amount of chemical required and avoids waste / over-application.

You may wish to use the TeeJet Calculator to help you calibrate:

<http://www.hagiehelp.com/TeeJetCalc.aspx>

- 2) Read and understand herbicide label.
- 3) Triple rise tank before use to remove any residues from last use.
- 4) Measure the required amount of chemical into a clean, graduated container.
- 5) Fill the sprayer tank 1/2 full of water.
- 6) If the pesticide is a liquid, pour the chemical into the spray tank and triple rinse the measuring container into the sprayer tank. Add water to the required level.
- 7) If a granular pesticide is being used, dissolve the required amount of chemical in water before adding it to the tank. This ensures proper mixing of the chemical. Add the solution to the sprayer tank and triple rinse the mixing container.
- 8) Fill the tank with the remaining required amount of water.
- 9) Keep the work area clean by wiping up spills and washing measuring equipment.
- 10) When spot spraying or when covering larger areas, aim the nozzle at the target vegetation only.
- 11) Some unused solutions can be stored and used at a later date. (Refer to Alberta Agriculture Crop Protection Manual "Blue Book" for recommended storage periods.) Excess solution which will not be used again, is to be disposed of in a safe and responsible manner.
- 12) Clean the sprayer tank after each use. Triple rinse with water and dispose of the rinsate in an appropriate manner, by applying over the previously treated area.