

This Week's Learning Objective:

Safe Operation of a Backpack Sprayer

Materials Needed for this Session:

A copy of the "Safety Precautions, Before Starting, and Operating Instructions" sections from the sprayer manual,** enough for each attendee.

Bring one of each type of sprayer your attendees use, to the session.

** A sample is attached but you should use the manual pages from your specific sprayers

Leader Notes / Training Outline

1. Review the "Safety Precautions, Before Starting, and Operating Instructions" sections. Use the sprayer you brought to training to demonstrate the actions outlined. Encourage discussion.
2. Discuss any questions from attendees.
3. Open the discussion to the attendees. See Leader Tips below.

- _____
- _____
- _____



Leader Tips:

Announce the learning objective: Our objective today is _____

Explain to the group why this topic is being reviewed:

- Prevent you from being injured
- Prevent property damage
- Prevent injury to others
- .

Ask the **group to discuss** the subject matter and give input by drawing from their work experiences:

- Attendee to relate a personal story involving this objective
- Attendee to share something learned on the job involving this objective
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- .



PESTPRO 2000 BACKPACK SPRAYER USER'S MANUAL

Safety Precautions

- Do not fill with a flammable, acid, or caustic liquids.
- Do not adjust the tip or change spray patterns while depressing the valve trigger.
- Sprayer filled with liquid is heavy, use caution when bending, leaning, or walking; bend at the knees, not at the waist.
- Do not store or transport the unit while tank is pressurized.

Before Starting

- Inspect the hose, tank gasket, discharge valves, and nozzle for signs of wear or damage. These parts must be in full working condition to permit tank pressurization.
- Inspect the tank for unused pesticide; dispose of dilution according to label directions; clean tank before adding new insecticide.

Operating Instructions

Filling and Mixing

- Mix insecticides with the proper amount of water in a separate container.
- Note gallon marks on the side of the tank and fill accordingly.
- Add dilute insecticide to tank, then pump the sprayer handle to prime the pump and fill the pressure cylinder. The liquid in the tank will decrease as the cylinder is filled, add more liquid to fill the tank.
- Mix all insecticides according to label directions.

Pressurizing the Tank

- Pumping the sprayer handle several times will pressurize the tank.
- To relieve pressure open the cap.

Operation

The PestPro Backpack Sprayer is designed for a variety of professional uses, such as outdoor perimeter spraying for crawling insects and mosquitoes.

Application Rates: 4 Way Tip

- 50° coarse fan = 14.1 oz/min
- 80° fine fan = 6.4 oz/min
- Pin stream = 8.9 oz/min (large)
4.5 oz/min (small)

Care and Maintenance

- Flush tank, valve, and extension with clean water regularly.
- Do not use ammonia-based cleaners, these will damage the brass parts.
- Clean the filter at the hose/valve connection regularly.
- Do not use metal objects to clean the orifices in the nozzle, this will disrupt the liquid spray pattern.
- Use the B&G Cleaning Kit (#22028000) for regular maintenance and cleaning of the sprayer.



Note: Residue from wettable powder (WP), soluble powder (SP), and some flowable (F) formulations can obstruct the pump cylinder and valve of the PestPro Sprayer. Regular flushing with clean water is required to keep the sprayer operating properly. Consider weekly cleaning when the sprayer is in daily use.

Trouble Shooting

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| Problem: Tank not holding pressure | Solution: |
| | <ul style="list-style-type: none"> • Tighten tank cap • Lubricate tank gasket when dry |
| Problem: Holds pressure, but will not spray | Solution: |
| | <ul style="list-style-type: none"> • Nozzle clogged, clean with a soft brush • Clean strainer at the base of the valve, at the hose / valve junction |
| Problem: Valve body leaking | Solution: |
| | <ul style="list-style-type: none"> • Replace O-ring at base of handle; replace copper gasket at base of valve stem (in GT-100 Repair Kit) |
| Problem: Tip Leaking | Solution: |
| | <ul style="list-style-type: none"> • Clean or replace check valve at end of valve extension |
| Problem: Handle locks up as if the tank is over-pressurized | Solution: |
| | <ul style="list-style-type: none"> • Remove hose from bottom of tank (at the pump unit) to release air pocket |