

# Bug Sprayer User Guide

## Unit #5 (SPR05)

### Before Leaving the Shop:

- Read entire User Guide and ask any questions you may have.
- Have County staff check the oil in the engine, gearbox and pump; as well as the pulsation damper air pressure. Damper pressure is to be 20% of sprayer operating pressure (i.e. 80 psi damper pressure for 400 psi spray pressure). Gearbox oil 90W. Engine oil 10W30. Pump oil 30W non-detergent.
- **Do not tow above 40 km/h, unless tank is empty.**

### Before Starting:

- Rinse spray tank with water to ensure it is clean, drain water from tank.
- Check water filter and rinse clean if needed. **DO NOT run pump dry!!**
- Put at least 25 gallons of clean (potable quality) water in the tank. Move Pressure Release Lever to the OFF position, then start engine. Allow engine to warm up. Rotate Pressure Adjustment Knob counter-clockwise fully to minimize pressure, open the Agitation Control Valve, then move the Pressure Release Lever to the ON position. Run spray system for a minute or two at low pressure.
- Next, set operating spray pressure: close the Agitation Control Valve, increase engine speed to  $\frac{1}{2}$  –  $\frac{3}{4}$  throttle; then rotate Pressure Adjustment Knob clockwise to desired pressure. Proper pressure is 200-400 psi. Do not over pressure the system as this could damage a very expensive pump! Test spray gun and ensure all components are working properly.
- Add to tank about  $\frac{1}{2}$  to  $\frac{3}{4}$  of the desired amount of water (\*\*refer to product label for specific information on PPE, water and product rates, mixing, cleanup, and other important information\*\*) **Now add product.** Finally, agitate if necessary, add remainder of water, and go spray!

### Spraying Tips:

- The tank holds 150 US gallons (125 IMP gallons).
- When tank empties, **immediately** move the Pressure Release Lever to the OFF position to avoid pump damage. Idle engine a minute or two before shutting off.
- This unit is intended for spraying **insecticide** only.
- If Pump Oil Reservoir becomes milky or full, a diaphragm has developed a leak. Please return to the County for repair.

### Cleanup:

- Properly dispose of any extra spray mixture (refer to product label).
- Rinse tank with water and drain from tank. Add at least 25 gallons of water.
- Run spray system, at low pressure and engine speed, for a few minutes to clean out any spray residue (Don't forget the spray gun!!!).
- Drain water/cleaning agent from tank and rinse with water again.

- Place cover back on engine.
- \* There is a minimum \$50 charge for the return of improperly cleaned equipment.

Please report any problems with the unit, upon return to the County of Wetaskiwin No. 10, so we can get them fixed.

