

## Operator's Instructions ES-15 and ES-25 12 volt Sprayers

**Read the pump manufacturer's owners manual prior to using your PBM Sprayer. Always use protective clothing and refer to the chemical manufacturer's recommendations when handling chemicals.**

**Important Note:** When setting up your sprayer always test with clean water only.

### Starting up your sprayer

A fully charged 12 Volt source will be needed to operate the pump to it's full potential. If an auxiliary battery is to be used we have had the best results using Deep Cycle type batteries. Refer to the pump manufacturer's owners manual for wiring instructions. Before you energize the pump make sure that any valves for booms, handguns or other accessories are in the closed positions. Once the 12 volt connections are installed to the 12 volt source, the pump will start and run until the discharge hose is filled and the pump head is brought up to pressure. The pressure switch will take over the on and off functions until you disconnect the power. **CAUTION! The discharge hose will still have residual pressure.** The pressure switch is located on the head of the pump. Pressure can be adjusted a small amount, 15-20 PSI by turning the small hex socket screw in the pressure switch. The switch is generally adjusted to achieve smoothest possible spray pattern. Turning the pressure up or down will result in the pump cycling on and off and/or the spray material will surge out of the gun. **WARNING! If nozzle is changed the pressure switch may require adjustment.** See ShurFlo owners manual for directions on how to adjust pressure switch setting.

