

## Operating Instructions

Open the lid of the Controller to gain access to the front panel. Refer to the Controller section of the manual for an explanation of the functions.

### Starting Up

- Verify that the **FLUSH** switch is **OFF**. Turn on the pump and set the desired pressure (50 psi maximum).
- Turn the **POWER** switch **ON**. The **WARM UP** indicator will flash for approximately 20-30 seconds while the electronics reach the proper operating point.
- During the warm up phase, make initial adjustments to the system for **SENSITIVITY** and **SPEED**. Use 3 or 4 as a good starting point for **Sensitivity**. Then adjust as necessary in the field. At too high of a setting, the Sensor will miss small weeds. At too low of a setting, it will be too sensitive.
- Set **SPEED** to “LO” for 3-5 mph, “MED” for 5-7 mph, and “HI” for 7-10 mph. If the vehicle speed is unknown, set **SPEED** to **Medium** and adjust as necessary once you start spraying.  
If the spray pattern falls *before* the weed, *reduce* the **SPEED** setting.  
If the spray pattern falls *after* of the weed, *increase* the **SPEED** setting.
- When the **WARM UP light** goes off the Sensors will be in **STANDBY** mode. Calibrate the Sensors for the specific soil or pavement type. Position the Sensors over a completely weed free patch of ground and press the **SOIL BASE** switch momentarily. For best results, set the soil base in the field.
- Press the **STANDBY** switch to change the Sensors from Standby mode to Operational mode; the **STANDBY** light will turn **OFF**. The **SOUND** switch may be **ON** or **OFF** as desired (Refer to the Controller section of the manual for further details).
- Verify the operation of each Sensor by waving a weed (or a leaf) under each Sensor to confirm that each unit sprays. **DO NOT COME IN CONTACT WITH THE CHEMICAL SPRAY, FOLLOW SAFE AND PROPER CHEMICAL HANDLING PROCEDURES.** If there is a problem with a sensor recognizing the weed, check the sensitivity setting. If the problem persists, refer to the *WeedSeeker*® Troubleshooting Manual.

You are now ready to begin spraying.

### Operating

Press the **SOIL BASE** switch to calibrate whenever soil conditions change. Do this over a bare (weed free) patch of ground. For best results, set the soil base at or near the area to be sprayed.

Check periodically (Recommended at the beginning of using the sprayer and at a convenient time during the day such as lunch or during tank refill) that all *WeedSeeker*® Sensors are working properly. Turn on the **FLUSH** switch, and verify that all valve cartridge LED indicators are on and each nozzle is spraying. Stop the vehicle if necessary for this step.

At the same time, check the Detector and Light Source windows on the underside of the Sensors. If they are dusty or dirty, use a soft dry rag to wipe them clean.

When traveling in an area that is not sprayed (i.e., between fields), switch to **STANDBY** to pause operation of the Sensors.

If the sprayer has a boom which is automatically lifted (such as on a Hooded Row Crop Sprayer), a lift switch can be added to remotely switch the sensors to **STANDBY** mode. The **Lift Switch** light comes on when the Lift Switch is activated. When the boom is lifted, all the Sensors are automatically put in standby to avoid inadvertent spraying.