

Pasture Sprayer User Guide

Unit 2 (SPR02)

Before Leaving the Shop:

- Read entire User Guide. Ask any questions on operation of the sprayer you may have.
- This unit is intended for **permanent pasture spraying only** and may contain residues of herbicide. This herbicide may have residual activity on broadleaf vegetation. It is **not** recommended for use in crop/hay land where non-grass species are desirable. **Use only Range and Pasture labelled products.**
- **DO NOT** pull sprayer above 40 km/h, unless tank is empty.

Before Starting:

- Park sprayer so it sits level, remove grey cover from engine and set aside. Check oil. Oil level should be about ½ ways up the dipstick. Add 10W30 oil if necessary. **DO NOT OVERFILL!**
- 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 200 liters (50 gallons) of clean (potable quality) water in the tank, fully open agitation/recirculation valve. It may take a minute or two for the system to fully prime/pressurize, be patient. Run spray system for a few minutes to set pressure and ensure all is working properly.
- Spraying pressure is 20-40 psi. Adjust agitation valve for desired mixing (we suggest fully open), turn on nozzles and adjust engine speed until desired pressure is achieved. Opening nozzles should only cause pressure to drop 2-4 psi.
- Fill tank with about ½ to ¾ of the desired amount of clean water, **now add chemical** (refer to product label for specific information on safety, water and chemical rates, mixing, cleanup and other important information), finally add remainder of water, continue to agitate if necessary, and go spray!

Spraying Tips:

- When tank empties, **immediately** shut off engine to avoid pump damage.
- For application rates, see **Guideline Chart** below, this is a guideline only, user is responsible for checking calibration. **Example Metric:** Spraying at 30 psi at 6 km/h will apply 200 liters of spray mixture per hectare. The tank holds 1000 liters, so at this rate one tank will cover 5 hectares. **Example US:** Spraying at 30 psi at 3 mph will apply 22 gallons per acre. The tank holds 225 gallons, so at this rate one tank will cover 10 acres.
- The sprayer sprays about 5.5 m (18 feet) out each side, which gives a swath width of about 11 m (36 feet). Boom height is adjustable but makes very little difference to spraying width on short vegetation (36 feet in top hole, 34 feet in bottom hole).

Cleanup:

- Properly dispose of any extra spray mixture (refer to product label).
- Rinse tank with water and drain from tank.
- Add at least 200 L of water. Run spray system for a few minutes to clean out any spray residue (Don't forget the handgun!!!). Drain tank 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.

Application Speed Guideline Chart - Metric (IMP)								
Rate = L/Ha (IMP Gal/Ac)	Speed = km/h (mph)							
	3 (2)	4 (2.5)	5 (3)	6 (3.5)	7 (4)	8 (4.5)	9 (5)	
40	460 (38)	350 (31)	275 (26)	230 (22)	200 (19)	175 (17)	155 (15)	
Pressure = PSI	30	405 (34)	305 (27)	245 (22)	200 (19)	175 (17)	150 (15)	135 (13)
	20	335 (28)	250 (22)	200 (19)	170 (16)	145 (14)	125 (12)	110 (11)

