

# **SOIL FUMIGATION WITH THE YELLOW FELLOW MULCH LAYER USING PRESSURIZED CYLINDERS OF METHYL BROMIDE, AND METERING DISCS**

This system needs no additional propellants. Cylinders are pressurized for application of product.

**STEP 1:** Place two fumigant cylinders on the machine, and secure **FIRMLY** with the binders.

**STEP 2:** Determine ground speed accurately.

<u>TIME IT TAKES TO COVER 100 FEET</u>	<u>SPEED IN MPH</u>
34 seconds	2.0
27 seconds	2.5
22 seconds	3.0
19 seconds	3.5

**STEP 3:** Connect swivel nuts to methyl bromide valves.

**STEP 4:** With the operator's cut off valve on the machine closed: Open methyl bromide cylinder valve.

**STEP 5:** Adjusting methyl bromide pressure: (With applicator knives in the soil)

- A – Standing on the machine, open the operator's cut-off valve.
- B – Read the pressure on the manifold gauge.
- C – Close the cut-off valve.
- D – If more pressure is needed, adjust cla valve adjusting screw clockwise to increase pressure and counter clockwise to decrease pressure.

**STEP 6:** Calibrate by fumigating a small area:

- A – Determine fraction of acre covered.
- B – Determine quantity of methyl bromide needed.
- C – After running, re-weigh the cylinder and determine amount of methyl bromide that was used.
- D – Adjust pressure accordingly.

**STEP 7:** Removing methyl bromide cylinders:

- A – Close all valves
- B – Slowly and carefully remove all lines.
- C – Replace cylinder safety caps.

**STEP 8:** Machine has two filter systems.

A – Line strainer with a blow-out valve. This is cleaned periodically by partially opening the blow-out slowly, and blowing trash and fumigant to the ground. If the filter remains clogged, then remove the bottom strainer cap and the strainer for cleaning.

B – Orifice disc strainers, located in front of each orifice disc.

**NOTE:** If the sight glass ball shows no flow, the above filters should be checked and cleaned.

**STEP 9:** Watch sight glass indicator. The sight glass will show material flowing, and when the cylinder is empty.

A – If the ball is down, and liquid in the glass – this means no flow. Cut off valve, strainers and lines.

B – If the ball is up, but no liquid is in the glass – this means the fumigant cylinder is empty.

**GENERAL NOTES AND PRECAUTIONS:**

All hoses should be checked daily for wear and leaks.

Fix all leaks on machine immediately.

Before removing any part from the fumigation system, be sure that all pressure has been relieved throughout the system. Remove parts slowly and carefully to be safe. **DO NOT EXCEED 75 PSI ON THE SYSTEM.** Use only parts obtained directly from Reddick Fumigants.

**METHYL BROMIDE IS A RESTRICTED-USE PESTICIDE DUE TO ACUTE TOXICITY.** It may be used only by Certified Applicators or persons under their direct supervision, and only for those uses covered by the certified Applicator's certification. Follow label recommendations – it is violation of Federal law to use this product in a manner inconsistent with its labeling.

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