

## **Plimmerton Croquet Club**

### **Safe Work Procedures for C-Dax Boom Spray Unit**

#### **1. Introduction**

This Safe Work Procedure (SWP) is to be used when operating the C-Dax Boom Spray Unit at Plimmerton Croquet Club (PCC). All members of PCC and its volunteer Approved Handlers MUST adhere to the SWP when using the unit. Users should also adhere to the SWPs relating to hazardous substances and the mower when using the Spray Unit.

#### **2. Before Starting**

- Read the manufacturers' instructions carefully
- Follow the instructions at all times
- Make yourself familiar with the controls and proper use of the equipment
- Do not smoke, eat or drink while using or refilling the Spray Unit
- Never allow children or those unfamiliar with these instructions to use the Unit
- Never mow while people, children or animals are nearby.

#### **3. Important**

- While spraying, always wear substantial footwear and long trousers
- Do not operate the spray Unit barefoot or when wearing sandals
- Use ear protectors and other PPE as appropriate
- Only add fuel outside the shed
- Only add fuel before starting the engine and never remove the fuel cap while the engine is running or hot
- If petrol is spilled remove as much of the spillage as possible before starting the engine
- Before using, check that the mower and Spray Unit are in generally good condition, that all bolts and screws are secure and that the cutter assembly is not worn or damaged.

#### **4. Preparation for Spraying**

- Check that the toggle switch on the ride-on mower is "off" (up)
- Attach unit to towbar of the Ride-on Mower.
- Connect battery leads from Mower to pump leads at front of Unit.
- Check that the hose from the spray boom to the pump is attached. Also at front of the Unit. (Brass connector)
- Put 10-15 litres of water in the Unit. Replace the large top cap to complete a vacuum seal.
- Switch the pump on (black switch at front of Unit and the toggle switch on the mower) and wait until all spray nozzles are working, then switch off. In case of a faulty pump or spray nozzle see below.

- When decanting the chemical for placing into the spray tank, only do so outside the shed at the designated location using the designated receptacle
- Add the required quantity of chemical. Drive the mower to the outside tap at the junction of Lawns 4 and 5 and fill the Unit to 50 litres.
- To avoid missing, or double spraying, areas of the lawn it is useful to mark the sides of each spraying strip. The end of the spray boom should pass directly over each mark. The challenge is then to maintain a straight drive down each strip.

## 5. Pump or Nozzle Failure

- If the pump doesn't work:
  - check the connection of the leads ( there is a small screwdriver in the Clubhouse)
  - check fuse in the pull-apart cylinder above the battery of the Mower. (Spare fuses are in the tray within the poisons container.)
  - if repairs are unsuccessful then drain the Unit and seek advice from the Service Company.
- If all spray nozzles are not working properly and it is not possible to clear them then replace the nozzles (note: it is not necessary to empty the tank to do this).

## 6. Spraying

- If marking the spray area extent, the marker needs to be at the outside edge of the spray pattern rather than the end of the boom
- Drive mower to edge of lawn and then switch on the Unit's pump
- Re-start the mower and when all nozzles are working commence the spraying run
- **The Mower speed should be adjusted to provide coverage at 50 litres for half the total lawn area; the throttle setting should be marked at that speed**
- At the end of each strip make a wide circular turn to bring the Mower back on line for the next strip
- Spray any surplus, remaining in the Unit after the lawns are completed, on the lawn surrounds until the Unit is empty.

## 7. After Spraying

- Refill the Unit with 15 litres of water and spray this across the lawn surrounds to wash out the pump and spray boom.
- Remove the nozzle filters and clean. Ensure water is pumped through while the filters are removed.
- Remove the plug from the bottom of the tank and flush the tank out thoroughly.
- Leave approx 10 litres of water in the spray unit.
- Return the Unit to the Equipment Shed making sure that, when stored, the boom is supported from the centre so that the two ends and the nozzles are clear of the floor.