

Dramm Sprayer Operating Procedures

Rule of Thumb by Phil Davis: “Always start and finish with a clean sprayer!”

Order	Step
1	Choose the right sprayer for the pesticide application - Consider sprayer variables: hose lengths, tank set up, drain set up
2	Inspect sprayer parts - Tank- leaks, holes, properly marked units - Hoses- leaks, blockages, holes, attachments, length, suction hose packing (damaged or missing) - Valves- functioning and settings (If suction valve is stuck closed, remove suction hose then push valve open with small rod) - Electrical cord- condition, length - Nozzles- Clean, functioning, O-rings, seat and packing - Motor- running and priming condition
3	Post WPS warning signs in location to be sprayed
4	Set up - Unwind hose, be sure it will reach all locations to be sprayed
5	Be sure P.R.V (pressure relief valve) is on primer setting (open)
6	Prime and run sprayer with straight water to check working order - If not priming, pour small amount of water down suction hose (inlet)
7	Know where a back up sprayer is located
8	Choose right pesticide for pest problem with correct application rate
9	Shut vents and turn off fans in greenhouse
10	Mix and apply - Be sure pesticide is mixed well before spraying - Slowly increase the operating pressure by turning the P.R.V. clockwise (closed) to increase tension on the check valve - Open and adjust spray gun by rotating the handle
11	When pesticide solution is emptied from tank - Close spray gun - Turn machine OFF and to primer setting (open) - Avoid dry operation as the spray solution also acts as a pump lubricant
12	Clean up - Rinse tank three times - Run water through hoses - Flush the pump and discharge hose with warm soapy water for a few minutes - Wipe off the motor and pump housing with a damp cloth
16	Pick up - Unplug electrical cord - Properly rewind hose - Replace drain filter and cap - Remove from greenhouse
17	Storage area - Clean - Dry - Dust-free - Plastic protection cover over motor