# Dramm Sprayer Operating Procedures

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

<table>
<thead>
<tr>
<th>Order</th>
<th>Step</th>
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| 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 |