

****Paper copies of solutions may not be the most current solutions****

Complaint or Symptom :

- Centrifugal pump seal may leak.
- Sprayer components clogged.
- Rubber components and/or seals may degrade prematurely.

Problem or Situation :

- After each use service interval shown in operator's manual not being performed.
- Detailed procedure of flushing system not provided in operator's manual.

Solution :

Follow the procedure below after each use of sprayer:

Important: You must always empty and clean the sprayer immediately after each use. Failure to do so may cause the chemicals to dry or thicken in the lines, clogging the pump and other components.

1. Stop the ProGator, turn off the master boom switch and all boom control switches, set the parking brake, place the range selector in the Neutral position, and turn off the engine.
2. Remove drain valve (A) from cradle (B) and place into suitable container. Open the tank drain valve by rotating yellow handle (C) to align with hose and remove any unused material from the tank and dispose of it according to local codes and the material manufacturer's instructions. See Photo: [87414_1.jpg](#)
3. Close the tank drain valve and place back into cradle.
4. Add 50 US gallons (190 L) of clean fresh water to tank via the quick fill feature (if equipped) or tank lid.

Note: You can use John Deere SprayMaster Spray Tank Cleaner #N306631 if a chemical rinse is needed. For flushing foam marker tank, use John Deere SprayMaster Foam Tank Cleaner #N305630. On the final rinse, use only clean, clear water.

5. Start the engine.
6. With the shift lever in the Neutral position, engage the PTO, and set engine speed to the normally operated RPM's
7. Backflush the inline strainer (D). See Photo: [87414_2.jpg](#)
 - 7a. Close the agitator valve by turning yellow knob (E) clockwise.
 - 7b. Open strainer valve by turning red knob (F) clockwise.
 - 7c. Set the master boom switch to the on position for 30 seconds.
 - 7d. Set the master boom switch to the off position and close strainer valve by turning counterclockwise.
 - 7e. Open the agitator valve by turning yellow knob counterclockwise.
8. Set the master boom switch and all boom control switches to the On positions to begin spraying.

Important: Spraying should be performed in open area or over previously applied area.

9. Allow all of the water in the tank to spray out through the nozzles.
 10. Check the nozzles to ensure that they are all spraying correctly.
 11. Set the master boom switch to the Off position, disengage the PTO, and stop the engine.
 12. Repeat steps 4 through 11 at least 2 more times to ensure that the spray system is fully cleaned.
 13. Drain Centrifugal pump (if equipped) at lower pipe fitting (G). See Photo: 87414_3.jpg
 14. Remove and clean the inline strainer (H), suction strainer (I) (if equipped) and foam marker strainer (J) (if equipped). See Photo's: 87414_4.jpg 87414_5.jpg
- Important: If you used wettable powder chemicals, clean the suction strainer, (if equipped), after each tank.***
15. Remove the spray nozzles and clean them by hand. Replace damaged or worn nozzles.
 16. Inspect check valves and replace if necessary.
 17. Remove and clean the spray tip strainers (if equipped).
 18. Using a garden hose, spray off the outside of the sprayer with clean water.

Additional Information :

The above procedure will be added to the operator's manual.

Important: If sprayer is being used for the last time of growing season, winterization MUST be performed. Follow procedure listed in the Operator's Manual.

HD200 Sprayer, HD300 Sprayer, 2020A, 2030A

LEAK, CCE Misc 5610, 5615