

Sherpa Daily Flight & Maintenance Checklist

Use this checklist to ensure safety, consistency, and optimal performance during each flight day.

Pre-Flight Checklist

- ☐ Confirm that the RPIC has completed Sherpa Academy training.
- ☐ Inspect the drone airframe, propellers, motor arms, and landing gear for visible damage or wear.
- ☐ Ensure both batteries are charged equally to between 80% and 100%.
- ☐ Install batteries and confirm proper seating and that they are strapped down.
- ☐ Verify the remote controller is fully charged and connected to the drone.
- ☐ Check that the correct spray nozzle is securely attached.
- ☐ Inspect the payload system (standard or window) for proper connections and secure fittings.
- ☐ Confirm that the pump system is pressurized and delivering flow.
- ☐ Make sure hoses are laid out properly and cannot be kinked or tangled during flight.
- ☐ Verify airspace clearance using LAANC (if applicable).
- ☐ Review weather conditions (wind, rain risk, temperature) for safe operation.
- ☐ Conduct a communication check with all crew members on site.
- ☐ Power on the drone and controller, and confirm GPS lock and telemetry display.
- ☐ Perform a hover check in open space before starting the job.

Notes:

Post-Flight Checklist

- ☐ Power down the drone and controller safely.
- ☐ Remove both batteries and inspect for residue or damage.
- ☐ Clean the entire drone with water—pay special attention to the motors and propellers.
- ☐ Wipe down both batteries with a damp cloth if chemical was used during the operation.
- ☐ If using the window payload, remove any remaining chemical from the tank.
- ☐ Flush and rinse the window payload injection system thoroughly.
- ☐ Inspect the drone and payload system again for signs of wear or damage.
- ☐ Place batteries in storage mode if not flying again within 3 days.
- ☐ Log flight notes and any anomalies or required maintenance actions.

Notes:

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