



# LX Series Treater Maintenance



Proper maintenance of the LX Series Seed Treater is critical for peak performance, reliability and accuracy of this system. The following is a guideline for the type of maintenance and servicing that should be performed on this unit. Your environment and uses may require additional maintenance and service beyond this list to assure a reliable and safe unit. The operator of this unit has ultimate responsibility to identify areas of concern and rectify them before they become a hazard or safety issue. There is no substitute for a trained, alert operator.



Do not put this unit into operation with any questionably maintained parts. Poor performance or a hazard may occur.

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## DRIVE AND DRUM

- Inspect all welds and structural components on frame and drum for bends, cracks and damage.
- Remove shields and inspect pillow block bearings.
- Inspect drive wheels for unordinary wear, and setscrews for tightness.
- Inspect the Neoprene idler wheels.
- Tighten and lubricate chain.

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## PUMPS AND PLUMBING

- Check pump in forward and reverse.
- Make sure pump heads open and close smoothly.
- Inspect tubing and for uneven wear. Replace pump tubing often to ensure high flow rates can be met.
- Check air actuated 3-way valve. Clean brass filter if necessary.
- Tighten hose clamps and check filter. Clean filter frequently to avoid blockages.
- Flush flow meter with clean water frequently to avoid chemical buildup.

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## SEED WHEEL

- Inspect all welds and structural components for bends, cracks and damage.
- Remove shields to inspect wheel, brushes and proximity switches.
- Use compressed air to blow out any seeds and excess build-up that may have occurred during operation.
- Inspect RPM indicator. If loose, tighten bolt.



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## ATOMIZER

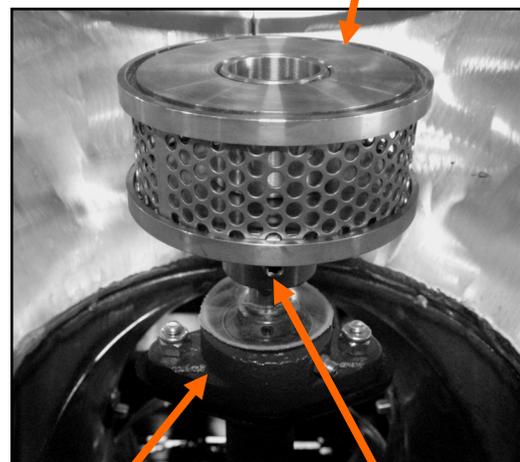
To access inside of atomizer housing, push up on the quick release handle and slide back the atomizer (see picture below).



*Quick-Release Handle*

*Atomizer Head*

- Slide back atomizer housing and grease bearing inside. Bearing needs just one pump of grease every 40 hours of use.
- Clean any build-up inside the housing and the atomizer head. To remove the atomizer head, loosen the set screw located on the bottom of the head.
- Check for any play in the atomizer shaft.
- Make sure the atomizer spins smoothly.
- Ensure the adjustable chute is fitting completely into the drum opening. Adjust if necessary.



*Bearing*

*Set Screw*



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## MIX TANK

- Check motor.
  - Check for any play in the mix tank shaft.
  - Check valves, fittings, and plug on bottom of tank for leaks.
  - Check chemical line tubing for abnormal wear.
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## CONTROL PANEL

- Check and tighten wire connections.
- Check quick connects on bottom of control panel.
- Check starters and overloads.
- Check relays and breakers.
- Check and set the proximity switches.
- Check VFD's.