



# ST Series Seed Treater Maintenance



Proper maintenance of the ST 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
- Check drum for bends, cracks and damage.
- Remove shields to inspect bearings and tighten set screws.
- Inspect drive wheels for unordinary wear, and set screws for tightness.
- Inspect and adjust the Neoprene guide wheels located near back of drum.
- Tighten and lubricate chains.
- Inspect and re-align sprockets.

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## **MIX TANK**

- Check centrifugal agitation pump.
- Check valves, fittings, and plug on bottom of tank.

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## **PUMPS AND PLUMBING**

- Check application pump.
- Inspect tubing and valves.
- Tighten hose clamps and check filter.



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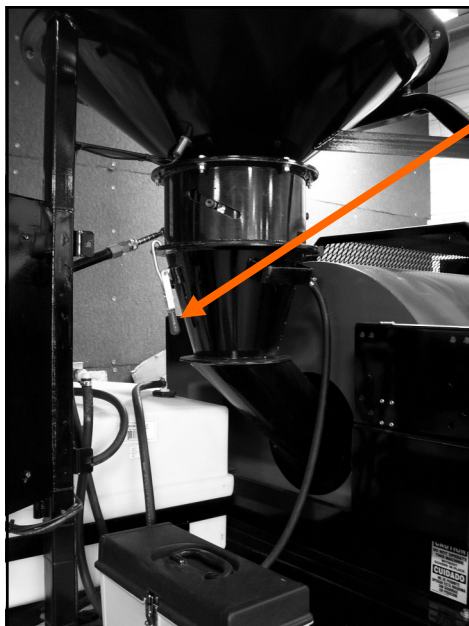


## SPRAY CHAMBER

- Remove spray chamber from treater and remove any debris or build-up.
- Check for any play in the atomizer shaft.

Below are instructions and pictures that illustrate how the spray chamber is removed.

1. Remove the two bolts that secure the control panel in place, and swing out the control panel. The inoculant tank can also be swung open at this time.
2. Release the red-handled clamp and remove the small shipping bolt. Also loosen the two 5/16" bolts, located towards the front of the chamber, which hold the top spray chamber flange tight against the adjustable seed gate flange.
3. Slide the spray chamber straight back and drop down to access the nozzle assembly.



*Red-Handled  
Clamp*

*Plumbing*



## CONTROL PANEL

- Check and tighten wire connections.
- Check starters and overloads.
- Check timers and relays.
- Check the switches on the front of the panel.
- Inspect fuses and breakers.
- Check and set the proximity switch.