

# How to Prep Pumps Used With N-Serve® Nitrogen Stabilizer for Winter

**N-Serve®**  
Optinyte™ technology  
**NITROGEN STABILIZER**



**Winterizing fertilizer application equipment is one way to set yourself up for a successful spring – and save money in the long run.**

"Overlooking maintenance can shorten the life of equipment, increase maintenance costs, reduce efficiency and potentially cause safety concerns," says Mike Koenigs, Nutrient Maximizer Development Specialist, Corteva Agriscience. "For farmers applying N-Serve® nitrogen stabilizer this fall, taking care of the pump you use can make spring applications go smoother."

The two pumps used for applications of N-Serve nitrogen stabilizer are the direct injection pump and the stationary pump. The direct injection pump inserts N-Serve nitrogen stabilizer into anhydrous ammonia just before it's knifed into the ground, while the stationary pump places it directly into the anhydrous nurse tank.

With either pump, Koenigs recommends the following practices to winterize the application equipment for N-Serve nitrogen stabilizer and ensure it's ready for use the next time you need it.

- 1 Flush N-Serve completely from the pump.**
- 2 Fill the pump with kerosene.** Once filled with kerosene, seal the pump so the kerosene remains in it throughout the winter. Kerosene lubricates the pump and keeps out air and moisture that can be hard on the pump. Fill the pump with kerosene whether you house the pump inside or outside for the winter. If the anhydrous toolbar will be outdoors in the winter, Koenigs recommends removing the pump from the toolbar and storing it inside.
- 3 Check the condition of hoses, seals and the strainer basket.** Clean the filter screen in the strainer basket to ensure it isn't clogged. Be prepared to fix any hoses and seals that are worn, leaking or cracked before using the equipment for spring applications.

"Time is money, and breakdowns are lost profit opportunities," Koenigs says. "Investing the time for end-of-season equipment maintenance will pay large dividends in the long run."

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