Kelley Engineering

PRECISION AG & APPLICATION SOLUTIONS

HINIKER® NITRO-LERT

ANHYDROUS AMMONIA KNIFE MONITOR

Independent system - Works with ANY NH3 system.

- Detects plugged or partially plugged knives.
- Detects if manifold port is plugged or partially plugged.
- Sizes Available - 3/8", 1/2", 3/4"
- Section Shut-Off detection supported.
  Examples: Ag Leader, John Deere, Trimble, Hiniker, Raven, and others.
- Run/Hold Switch supported.
- Works with CapstanAG's N-Ject NH3 for blockage detection.
- Audible alarm alerts operator to check row in question.
- Add to existing plumbing. No need to re-plumb.*

  * Best Practice - All hoses should be equal length. This, plus a few other things, are Best Practices whether a Nitro-Lert is installed or not. Call us today to find out more.

ROI CALCULATOR

How many acres does it take to pay for a Hiniker Nitro-Lert System?

Assumptions

30 ft 3 pt toolbar
1 knife plugged
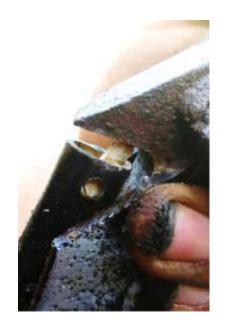$3.50 Corn
50 bu loss per 1 acre of row

Answer

Less than

173 ACRES

HOW MANY ACRES DO YOU APPLY?

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NITRO-LERT SYSTEMS AND SENSORS IN STOCK

Typical problems identified by Nitro-Lert users include:

- Nitro-Lert notified the operator of a plugged knife. Operator checked the manifold, ran a wire down the knife, and could not locate the issue. We suggested replacing the knife. When he did, he noticed a piece of corn stalk (picture to the left) that he had displaced from the tube while removing the knife.

- Nitro-Lert detected a plugged knife that occurred when the operator turned off the flow to one section of the applicator. When the section was turned back on, one of the knives had plugged with dirt, blocking flow and triggering a Nitro-Lert notification.

- Broken knives. Nitro-Lert detected a variation in flow through the broken knife and alerted the operator to the problem.

- Nitro-Lert detected partial blockage caused by welding slag that was left in the knife tubes during the manufacturing process.

With a Nitro-Lert system you'll detect problems as they occur, while they can be corrected!