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(715) 658-2767

RED CEDAR AG

UREASE

SEE IT IN THE FIELD

Acres: 17766

	2024	2025
% High Risk	76.8%	82.0%
% Moderate Risk	15.6%	9.1%
% Low Risk	7.6%	8.9%

Our Solution

UREASE INHIBITORS

About

Elevated urease activity increases the risk of nitrogen loss when urea-based fertilizers are surface-applied and not incorporated promptly. Urease-producing microbes release the enzyme urease, which rapidly converts urea into ammonium (NH_4^+) and carbon dioxide. During this conversion, localized pH increases can promote ammonia volatilization—particularly when urea remains on the soil surface without rainfall, irrigation, or tillage incorporation.

To reduce loss risk, urease inhibitors are strongly recommended with surface-applied urea products. Incorporation through rainfall, irrigation, or tillage within 48 hours significantly lowers volatilization potential. Where timely incorporation is uncertain, consider alternative nitrogen sources such as ammonium nitrate, UAN treated with inhibitors, or ammonium sulfate, which are less vulnerable to volatilization under surface application conditions.



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