

Why You Should Be Involved?

Iowa agriculture depends on anhydrous ammonia as a low-cost form of nitrogen fertilizer on 61 percent of Iowa's 12.4 million acres of corn. Now we find a threat to that source of nutrient—the theft of anhydrous ammonia for use in making a powerful, illegal narcotic called methamphetamine. Naturally, the fertilizer industry is outraged by the illegal and illicit use of our products. We want to play a role in preventing abuse in the future. By raising awareness, knowing how to respond and using the Meth Inhibitor, fertilizer dealers can assist law enforcement in combating this illicit use of a product important to Iowa farmers.

For more information about the meth inhibitor check out the Iowa Department of Agriculture and Land Stewardship's website at www.agriculture.state.ia.us



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Des Moines, IA 50319
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www.agriculture.state.ia.us/methinhibitor.htm

Iowa Department of Agriculture
and Land Stewardship

Methamphetamine Inhibitor

Calcium Nitrate— What You Need to Know



FAQ

What is the meth inhibitor?

The chemical compound is Calcium Nitrate, a common fertilizer compound used primarily in horticulture. Calcium, Nitrate is non-toxic, safe for food supplies, and has no adverse impact on the environment or farm equipment.

How does it work?

When added to Anhydrous Ammonia in prescribed amounts, the result is a dramatic reduction in the amount of methamphetamine that can be produced. For example, meth cooks who use untreated Anhydrous Ammonia typically get 42 percent yield of pseudoephedrine for conversion to meth. However, that yield drops to two percent or less when the Calcium Nitrate inhibitor is added. The inhibitor also reduces the purity of the drug.

How will the meth inhibitor be used?

The Calcium Nitrate will be used on a voluntary basis, and will be injected as a liquid additive into Anhydrous Ammonia nurse tanks at ag retailers.

Technical Data

Manufactured by: Yara International
Tampa, Florida

Product Name: Viking Ship CN – 9
Calcium Nitrate 9% N Solution

Typical Analysis

Total Nitrogen (N)	9%
0.58% Ammoniacal Nitrogen	
8.42% Nitrate Nitrogen	
Soluble Calcium (Ca)	11%
Weight Per Gallon (Lbs.)	12.2

Formula For Use as NH3 Meth Inhibitor

Requires 9.3# Nitrate / Ton of NH3 (Must Use Liquid Calcium Nitrate)

Requires 9 Gallons of Liquid Calcium Nitrate (CN-9) / Ton of NH3
(Liquid Calcium Nitrate Must be Injected Through the Liquid Withdrawal Valve to Avoid Increasing Tank Pressure Beyond Pressure Relief Valve Setting)

Ag retailers seeking technical assistance on how to introduce the Inhibitor in NH3 nurse tanks should contact John Whipple at the Iowa Department of Agriculture and Land Stewardship. 515-281-8610 John.Whipple@idals.state.ia.us