



# GUARDIAN<sup>®</sup> - L

## NITROGEN FERTILIZER ADDITIVE

**GUARDIAN<sup>®</sup>-L** is a nitrogen fertilizer additive to improve the utilization of nitrogen in fluid fertilizers such as suspensions, urea solutions, urea ammonium nitrates (UAN) and liquid manures.

**CONTAINS NON-PLANT FOOD INGREDIENTS:**

Dicyandiamide (DCD): ..... 30%  
CAS No: 461-58-5

**OTHER INERT INGREDIENTS:**

Dimethyl sulfoxide (DMSO): ..... 70%  
CAS No: 67-68-5

**Net Weight: 24.3 Pounds (11.0 kg)**

**Net Contents: 2.5 Gallons (9.46L)**

## WARNING



**Combustible liquid. Causes respiratory, skin, and eye irritation. DMSO readily penetrates skin and may carry other dissolved chemicals into the body.**

**Precautions:** Keep away from heat, sparks, open flames, and hot surfaces. No smoking. Wash thoroughly after handling. Wear butyl rubber or nitrile protective gloves, eye protection, and face protection.

**Response/First Aid:** IF ON SKIN: Wash with plenty of soap and water. IF IN EYES: Rinse continuously with water for several minutes. Remove contact lenses if present and easy to do - continue rinsing. If eye irritation persists: Get medical attention. Take off contaminated clothing and wash before reuse.

For US Health Hazard Information, call 1-888-786-0974.

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**GENERAL USE INSTRUCTIONS:** Guardian<sup>®</sup>-L nitrogen fertilizer additive is designed to be mixed with nitrogen fertilizer solutions and broadcast or banded with late fall applications or applied preplant for spring seeded crops. Guardian-L can also be applied post-emerge with early topdress or early sidedress applications of nitrogen solutions. Guardian-L is not intended to be used with starter fertilizers. Guardian-L is recommended for use in soils where nitrogen loss is most likely to occur (light, sandy soils or wet, poorly drained soils). Rinse container with nitrogen solution or water to remove any remaining material and dispose of container properly.

**MIXING INSTRUCTIONS:** Fill application tank  $\frac{1}{2}$  full with nitrogen fertilizer solution or liquid manure. Add the proper amount of Guardian-L and continue filling, mixing thoroughly prior to the addition of other materials. If adding other chemicals to the Guardian-L and nitrogen fertilizer solution, always test for chemical compatibility before large-scale mixing.

**STORAGE AND DISPOSAL:** DO NOT reuse container. Triple rinse container prior to recycling or disposal. Keep spills from waterways and sewers.

### SUGGESTED APPLICATION RATES:

**BAND APPLIED OR SOIL INJECTED** – add  $1\frac{1}{2}$  quarts Guardian-L per 10 gallons of nitrogen fertilizer solution. Do not exceed a total of 3 quarts per acre per application. Guardian-L should not be used with applications of less than 20 pounds of nitrogen per acre.

**LIQUID MANURE** – when knife-injected in late fall, add 3 quarts of Guardian-L per acre. When broadcast or sweep-injected, add 4-5 quarts of Guardian-L per acre.

**BROADCAST APPLIED** – add 3 quarts of Guardian-L per 10 gallons of nitrogen fertilizer solution, but do not exceed a total of 4-5 quarts per acre per application. Guardian-L should not be used with applications of less than 40 pounds of nitrogen per acre.

**Important:** Contact manufacturer for pertinent product information at <http://www.conklin.com/agrovantage/docs>.

Information regarding the contents and levels of metals in this product is available on the Internet at <http://www.aapfco.org/metals.htm>

**KEEP FROM FREEZING**



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