



GUARDIAN® - DL

NITROGEN FERTILIZER ADDITIVE 15-0-0

Guard your Nitrogen Investment from Loss

Nitrogen can be one of your most expensive inputs. Guard your investment against nitrogen loss with the use of Conklin's nitrogen stabilization technology—Guardian-DL. With today's seed genetics, plants require more nitrogen later in the growing season; Guardian-DL holds nitrogen in the root zone over a longer period of time, allowing you to decrease losses, reduce nitrogen application rates up to 20%, and measurably increase crop yields. This non-toxic formula contains dicyandiamide (DCD), which has world-wide recognition for its use with ammonium-containing fertilizers.

Given the limited availability of raw materials during these unprecedented times, Conklin will be offering Guardian-DL 15-0-0 as a nitrogen fertilizer additive to help keep your nitrogen in the root zone longer for the 2022 growing season.

Benefits of Guardian-DL:

- Enhances nitrogen nutrition
- Guards against nitrogen loss
- Keeps plant-available nitrogen in the root zone longer
- Mixes with liquid nitrogen sources

Guardian-DL is a nitrogen fertilizer additive that improves the utilization of nitrogen in fluid fertilizers such as anhydrous ammonia, suspensions, urea solutions, urea ammonium nitrates (UAN), and liquid manures.



Part # Size

- | | |
|--------|---|
| 041844 | 2.5-gallon containers, 2 each – Treats 10 acres at the 2 quart/acre band application rate |
| 041848 | 250-gallon mini-bulk –Treats 500 acres at the 2 quart/acre band application rate |

"I've planted a test plot for more than 15 years and compared AgroVantage products to many others on the market. My research has consistently shown that Guardian can cut my nitrogen by 12 lb per acre, while producing the same yield year in and year out."

- Bernie H., Illinois

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Reduce Nitrogen Loss

An average of 25% of the nitrogen you apply may be lost through:

- Denitrification - nitrogen escapes to the atmosphere
- Leaching - nitrogen moves deeper into the soil, away from crops
- Runoff - nitrogen is lost to rainwater and erosion

Guardian slow-release nitrogen fertilizer additive works with your nitrogen in both light, sandy soils and wet, poorly drained soils.

Slowly available nitrogen remains in the root zone longer, giving growing plants a better opportunity to utilize it more efficiently.

Application Rates

Use 2-4 quarts per acre for band and 4-8 quarts per acre for broadcast applications. Agitation required to mix Guardian-DL 15-0-0 with liquid nitrogen sources. See label for specific rates.

Protect the Environment

The nitrogen you're losing to nitrate leaching and runoff can create groundwater contamination in some areas. When yields are improved by increasing the efficiency of plant utilization of nitrogen, less leaching and runoff will reach our valuable groundwater resources. Guardian breaks down into available nitrogen, which is used by growing plants.

Increase Yields

When Guardian is added to your nitrogen solutions, you can look forward to potential yield increases. Average yield increases of 5-25% are proven in university and independent tests, as well as in Conklin testing programs.

Increase Your Profits

Whether your goal is to reduce nitrogen costs or increase yields, Guardian delivers an excellent return on investment, with an average return of \$3 for every \$1 invested.

ACRES Research Facility - Central Iowa 2017 Guardian-L Study: Usage with UAN (Corn)

Treatments	Bu./A.	Bu./A. Difference
Control - No Nitrogen	177	--
30 lb. N (10 gpa) UAN Pre-Plant 150 lb. N (50 gpa) UAN Side-Dress	247	70
30 lb. N (10 gpa) UAN Pre-Plant 150 lb. N (50 gpa) UAN Side-Dress 1.5 qt. Guardian-L Side-Dress	257	80
30 lb. N (10 gpa) UAN Pre-Plant 84 lb. N (28 gpa) UAN Side-Dress 1.5 qt. Guardian-L Side-Dress	260	83

Your Conklin Independent Distributor is:

AgroVantage is part of the family of Conklin products designed to save fuel, energy, time, and money so you can work smarter and live better. Opportunities are available to start your own Conklin business.

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