



Patent number: US 12,349,681

What Your Crops Deserve.

One-of-a-kind. Patented. Proven. Unlock every ounce of nitrogen. Representing a breakthrough approach, **RDX-N** is the first and only biostimulant of its kind. It is not a microbe and not a chemical delay—it's a blend of plant-active botanical extracts designed to elevate nitrogen use efficiency from within the plant itself by enhancing that plant's natural metabolism. **Unlike any other nitrogen product, it works smarter by activating metabolic pathways that support sufficient nitrogen uptake, assimilation, and utilization all season long.**

What is RDX-N?

- It is plant-active botanical extracts that naturally help your crop use nitrogen more efficiently.
- It works with plants' natural signaling processes to adapt to stress.
- It supports consistent season-long nitrogen metabolism.
- It allows you to apply less synthetic nitrogen without giving up performance, helping you save money without changing your program.

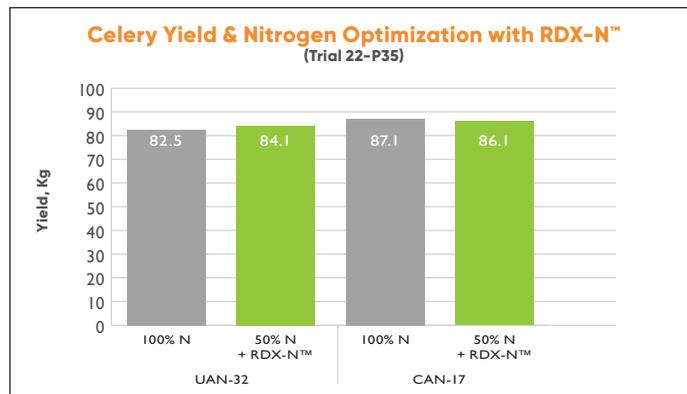
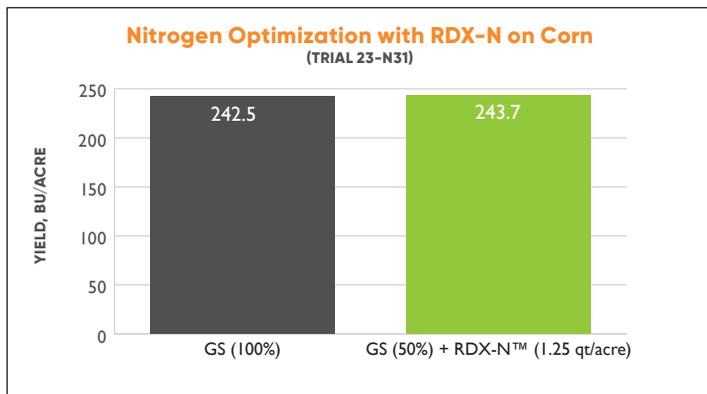
What is RDX-N not?

- Not a nitrogen stabilizer.
- Not a nitrogen-fixing bacteria.
- Not a biological.

Why Growers Choose RDX-N:

- Improves nitrogen optimization by 50%.
- Limits nitrate toxicity, leeching, and volatilization.
- Improves crop quality by reducing oxidative stress caused by nitrates.
- Improves logistics with fewer trips to the field and fewer tank refills.
- Easy to use, fits into your current fertility plan.
- Shelf stable, with a 3-year product guarantee.

RDX-N rewrites the rules of nitrogen efficiency—activating natural plant pathways for season long uptake, utilization, and performance no other product can match.



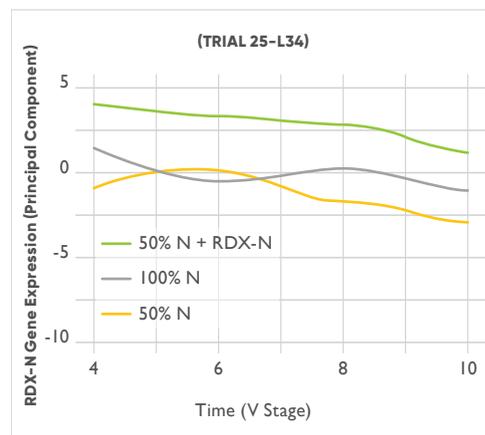
RDX-N helps improve crop performance and quality by influencing genes associated with nitrogen metabolism through the entire growth stage of the plant. This allows the plant to activate natural processes to support more nutrient uptake and overcome environmental conditions—helping your plants be more productive.

✓ **RDX-N = Smarter Nitrogen Response:**

- Improves nitrogen metabolism.
- Improves sulfur assimilation.
- Supports nitrogen metabolism through the entire growth stage.

The gene expression responses we describe in this report were stable across the growth stages tested. This was revealed through assessing their combined expression between growth stages V4 to V10.

RDX-N supports more efficient nutrient use by targeting secondary metabolic and redox-regulated pathways, helping the plant do more with less. *We are using corn in this example, but **RDX-N** has the same effect in all crops.



Suggested Rate:

Soil: Apply 1 pt - 1 qt/acre, per application, with existing liquid nitrogen program.

If Applying Without Nitrogen: Apply 1 pt - 2 qts/acre, and dilute **RDX-N** in at least **5 gallon solution per/acre**.

***RDX-N** should not be applied at the same time as anhydrous ammonia. Apply as a separate treatment - it delivers the same level of efficacy as other nitrogen sources. Visit with your sales agronomist to best determine what your precise needs are.



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