

Azogen

5-0-0

Technical Sheet General



DESCRIPTION

Azogen is an OMRI listed liquid, bio-based fertilizer containing a guaranteed 5% total nitrogen.

Embodying the principles of a circular economy, Azogen is produced via a closed-loop system that efficiently extracts nitrogen from manure, ensuring sustainability.

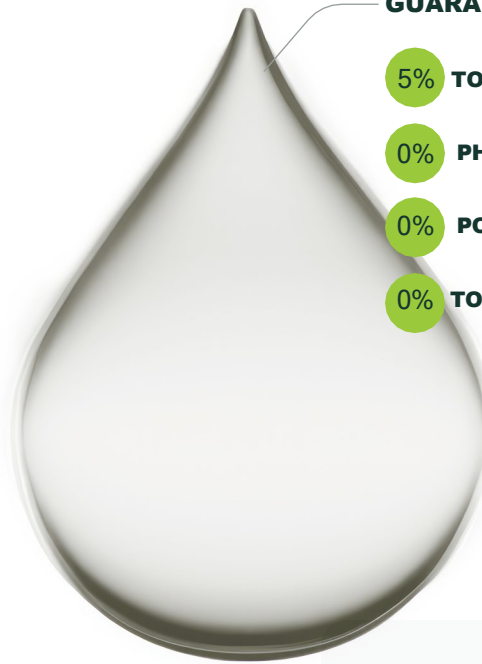
Rigorously tested, Azogen guarantees safety in its application for organic farming. As a 100% water-soluble ammoniacal nitrogen fertilizer, Azogen stands as a versatile solution designed to cater to diverse crop needs.

What distinguishes Azogen is its exceptional adaptability; whether applied foliarly, injected into irrigation systems, used in pre-planting, banded, or as a side-dressing, Azogen seamlessly integrates into various fertilization strategies.

This innovative fertilizer provides organic, plant- available nitrogen precisely when and where crops need it most. Its strategic application during critical growth stages maximizes crop yield impact, allowing you to optimize nitrogen use for superior harvests.

GUARANTEED ANALYSIS

- 5% TOTAL NITROGEN
- 0% PHOSPHORUS
- 0% POTASSIUM
- 0% TOTAL SUSPENDED MATTER



COMPATIBILITY

Azogen is compatible with a range of products, including microbials, humic substances, micro-nutrients, bio stimulants, and wetting agents. It contains no suspended matter, ensuring no clogging or precipitation issues.



Disclaimer: Solugen Global and its authorized distributors provide purely advisory suggestions and guidance regarding Azogen. As we cannot control the storage, handling, mixing, application, or usage of Azogen, and considering the variability of weather, plant, and soil conditions that may influence its performance, we disclaim any responsibility or liability for potential performance deficiencies, losses, damage, or injury (whether consequential or otherwise) arising from these aspects of its use. We strongly recommend consulting an agronomist before using Azogen. The responsibility for the use of Azogen and related products rests solely with the buyer.



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[azogen.com](https://www.azogen.com)

Comparing Azogen to Other Forms of Nitrogen

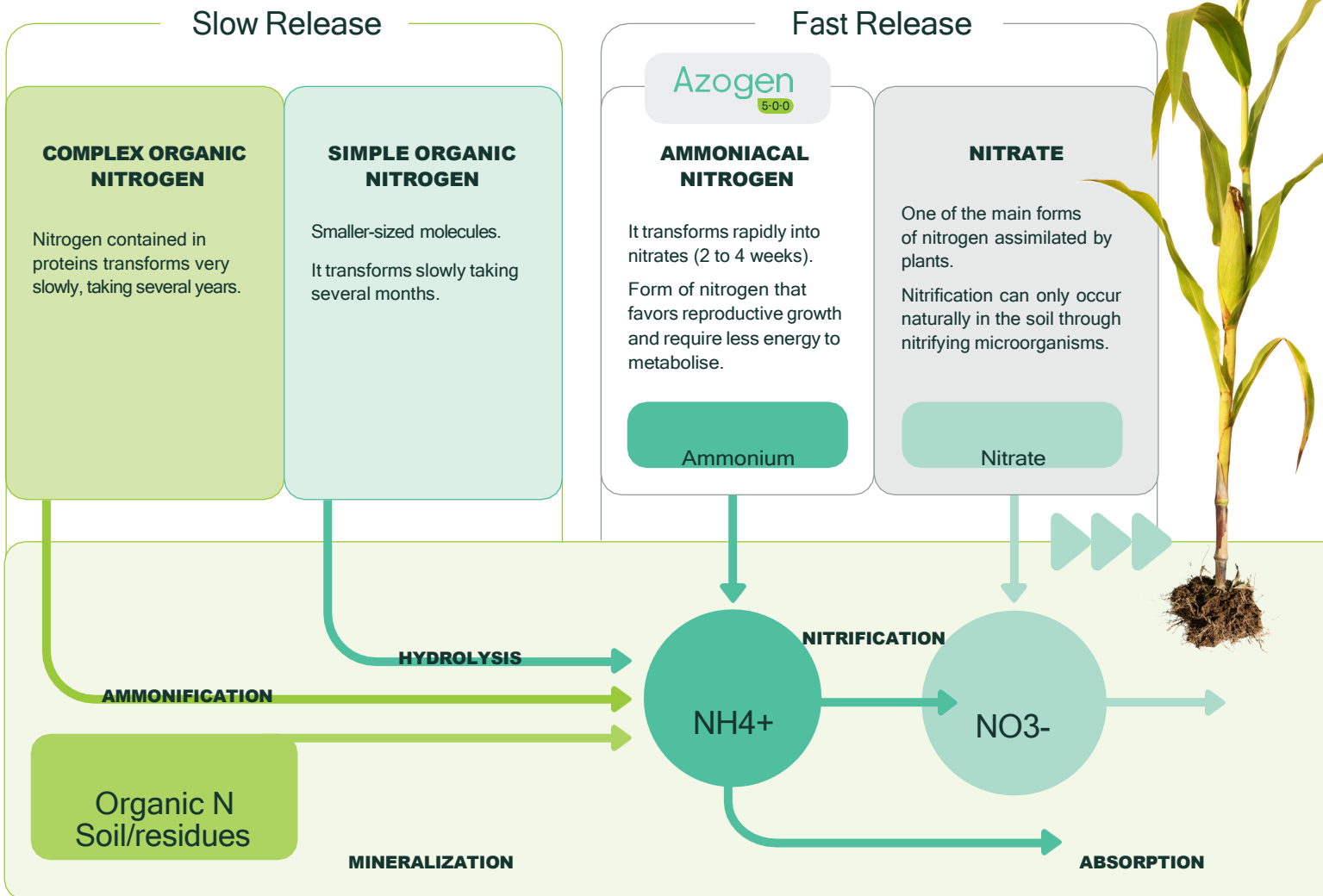
Why Azogen?

- ✔ Nitrogen source: Ammonia-based
- ✔ Can be used at any temperature
- ✔ No suspended matter
- ✔ Easy to use: No agitation required before use
- ✔ Versatile application methods

Key Differentiators

Fast release: Ammonium requires less energy from the plant for utilization compared to protein sources.

- ✔ Early-season booster: Azogen enhances plant growth during the early part of the season.
- ✔ Easy to use: No agitation required.
- ✔ Contribution to emissions reduction: The more Azogen you buy, the more you contribute to reducing greenhouse gas emissions.



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Instructions and Application Rates

Methods	Instructions and Timing
<p>FOLIAR Application Rates 0.5-1.5 quarts per 20gal N applied: 2 lbs/ac</p>	<p>Dilution: For higher water rates application, do not exceed 1.5L of Azogen per 100L of water. Pre-Application Testing: Before full-scale application, test-spray a small crop portion, especially for sensitive foliage. This ensures compatibility and safety. Timing: Adjust application frequency as needed based on farm practices and crop monitoring for optimal results. Apply from seedling stage (min. 6 inches high) and cease close to harvest. Environmental Considerations: Ensure ideal environmental conditions for foliar application, including temperature, humidity, and wind speed, to achieve effective foliar coverage.</p>
<p>DRIP IRRIGATION Application Rates 50-150 ppm N</p>	<p>Apply every week through drip irrigation. We recommend smaller rates every week, rather than a single massive application</p>
<p>FALL/SPRING APPLICATION</p> <ul style="list-style-type: none"> ◆ Pre-Planting Injection ◆ Surface Application <p>APPLICATION RATES 20-50 gal/ac N applied: 11 to 30 lbs/ac</p>	<p>FOR FALL APPLICATION: Timing: Apply in the fall when soil temperature is below 50°F. Lower temperatures slow nitrification. By 40°F, most applied ammonia remains ammonium, reducing loss risk.</p> <p>FOR BOTH FALL AND SPRING: Timing: Apply Azogen 1-3 weeks before planting. Depth: Minimize ammonia volatilization with a minimum 3-inch soil injection depth and a secure seal. Surface Application: When using a stream bar or streamer nozzle, incorporate Azogen into the soil for optimized effectiveness. Moist Soil Benefit: Application in moist soil conditions can reduce ammonia volatilization.</p>
<p>STARTER BANDED INJECTION</p> <p>APPLICATION RATES 10-35 gal/ac N applied: 5 to 20 lbs/ac</p>	<p>Depth: Apply Azogen at a minimum depth of 3-6 inches into the soil. Ensure a secure and effective seal of the injection track. Seedling/Transplant Distance: When using a banded application method, position the fertilizer band 3-6 inches away from the seedling or transplant. Soil and Environmental Considerations: In sandy soil or under dry conditions, consider increasing the distance between the Azogen band and the seedling or transplant for optimal results.</p>
<p>SIDE-DRESS</p> <ul style="list-style-type: none"> ◆ Injection ◆ Stream bar/nozzle <p>APPLICATION RATES 0-35 gal/ac N applied: 5 to 20 lbs/ac</p>	<p>Injection: Apply Azogen at a minimum depth of 3-6 inches into the soil, ensuring a secure seal of the injection track. Distance from the Row: The distance between the Azogen band and the crop row may vary depending on the crop type. Adjust the distance between 3 and 12 inches from the row based on the specific crop being grown. Soil and Environmental Considerations: Consider the soil type and environmental conditions when determining the distance from the row. In sandy soil or under dry conditions, it is advisable to increase the distance to promote better nutrient distribution.</p>



Lexical

AZOGEN:

OMRI listed Liquid Bio-Based Fertilizer.

OMRI LISTED:

Azogen is an OMRI listed liquid bio-fertilizer, ensuring the highest standards for organic farming.

5% TOTAL NITROGEN CONTENT:

Derived from manure, Azogen guarantees a 5% total nitrogen content, making it a reliable source of essential nutrient.

SUSPENDED MATTER-FREE:

Our product is free from any suspended matter, ensuring a clean and efficient application.

HIGH AMMONIACAL NITROGEN:

Azogen contains a high ammoniacal nitrogen content, making it an excellent choice for organic farming.

VERSATILE APPLICATION:

Azogen stands out for its exceptional versatility. It can be seamlessly integrated into various crop and fertilization management strategies.

MULTIPLE APPLICATION METHODS:

Azogen can be applied through various methods, including foliar application, injection into irrigation/drip systems/pivot, fall/spring pre-planting, banding, or side-dressing.

TAILORED TO YOUR NEEDS:

Every farm is unique. Azogen adapts to your specific requirements and preferences.

PLANT-AVAILABLE:

Our innovative fertilizer provides organic, plant-available, and 100% water-soluble nitrogen.

PRECISE NUTRIENT DELIVERY:

Azogen ensures precise delivery of nitrogen when and where your crops need it the most.

OPTIMIZED GROWTH STAGES:

With Azogen, you can strategically apply nitrogen at critical growth stages, maximizing its impact on your crop's yield.



Azogen is your trusted partner for enhancing crop yield in an organic and sustainable manner. Choose Azogen for precision, reliability, and versatility in organic farming.



Precautions For Use

Causes severe skin burns and eye damage. May cause respiratory irritation.

Precautionary Statements: Wear protective gloves, protective clothing and eye or face protection. Use only outdoors or in a well-ventilated area. Avoid release to the environment. Avoid breathing vapor. Wash thoroughly after handling.

If Inhaled: Move affected person to fresh air and keep comfortable for breathing. Immediately call a POISON CENTER or doctor.

If Swallowed: Immediately call a POISON CENTER or doctor. Rinse mouth. Do NOT induce vomiting.

If on Skin or Hair: Take off immediately all contaminated clothing. Rinse skin with water. Immediately call a POISON CENTER or doctor.

Wash contaminated clothing before reuse.

If in Eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

Immediately call a POISON CENTER or doctor.

Storage and Disposal: Store locked up. Store in a well-ventilated place. Keep container tightly closed. Dispose of contents and container in accordance with all federal, state, and local laws and regulations.



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