



Meet Arginex

Arginex is a next-generation crop nutrition technology from Arevo containing both fertilizer ingredients and amino acids designed for stronger roots, healthier crops, and more sustainable harvests.

A high-purity, single-compound formula built on precision, not chance. It's engineered at the molecular level to stay stable, last longer, and perform consistently.

No live cultures. No unreliable blends. Just science that stands firm when conditions don't. So while fields dry out or flood over, Arginex keeps crops steady, season after season. Because Arginex strengthens from the ground up — producing more robust roots and more reliable harvests.

What it is

Arginex combines arginine with phosphate (and in some formulations, iron), forming a stable complex that provides controlled, long-lasting release of nutrients around the seed or in the root zone.

Arginine is the most nitrogen-rich molecule in nature.

Phosphate binds with arginine to form a stable, slow-release complex.

The result: a high-purity, non-living formulation that stays where it's applied and feeds plants over time.

Where it works

Arginex is tailored for:

Field crops – Soy, corn, potato, winter wheat, oilseed rape

Turf & sports – Resilient grass, deeper roots, longer color hold

Horticulture – Healthy, stress-tolerant plants

Forest trees & eucalyptus – Higher survival, compounding growth

How it works

Binds to soil, not runoff

Arginine is positively charged, so it attaches to soil particles instead of leaching away like nitrate.

Feeds roots directly

Plants can absorb arginine intact — skipping the energy intensive nitrate reduction steps, no energy wasted.

Builds microbial partnerships

It attracts mycorrhizal fungi and beneficial bacteria, strengthening root systems and nutrient flow.

Releases nutrients on demand

The arginine-phosphate matrix breaks down slowly, releasing nitrogen and phosphorus in perfect sync with plant uptake.

The outcome

More crop per unit of nitrogen

Healthier soils and microbial life

Less leaching, more lasting impact

Arginex activates the root zone for stronger crops, healthier soils, and more sustainable harvests.

Why it matters

Overuse of traditional mineral fertilizers waste nitrogen and damage soil life in the long run. Arginex changes that — giving farmers and growers more growth per unit of nitrogen while protecting the environment.

Arginex isn't just another input. It's a catalyst and a movement for systemic change: sparking a chain reaction that makes the whole system stronger and helps growers transition away from harmful chemicals.



Arginex = bound nitrogen + root activation + soil regeneration

How Arginex stands apart

FEATURE	AMINO ACID BIOSTIMULANT	ARGINEX
Composition	Mixed amino acids (variable)	Pure arginine complexed with phosphate
Consistency	Unstable, batch-to-batch variation	Single, defined molecule, identical every time
Release profile	Quick flush, short-lived	Controlled, long-lasting root-zone release
Effect on soil	Mixed	Boosts beneficial microbes and soil health
Nutrient uptake	Partially absorbed by plants	100% absorbed by plants
Purity	From animal hydrolysates	From clean bacterial fermentation

Proven, trusted, validated

10+ years

10+ years of research from the Swedish University of Agricultural Sciences (SLU)

60+ trials

60+ successful efficacy trials across crops and climates in three continents (EU, North and South America)

68+ patents

68+ patents and CE-marking for safety and performance



Read more at arevo.se
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