

NOVOFERT Origins

WITH PHOSPHOACTIVE

Phosphorus Efficiency & Root Bio-stimulation Technology

SOLUBILIZATION OF BLOCKED PHOSPHORUS: UNLOCKS BOUND PHOSPHORUS IN THE SOIL, CONVERTING IT INTO A READILY AVAILABLE NUTRIENT FOR THE CROP.

BOOST IN VEGETATIVE GROWTH: STIMULATES VIGOROUS AND UNIFORM CANOPY DEVELOPMENT, MAXIMIZING PHOTOSYNTHESIS AND OVERALL YIELD.

ENHANCED SOIL BIOLOGICAL ACTIVITY: REACTIVATES BENEFICIAL SOIL MICROORGANISMS, IMPROVING SOIL STRUCTURE AND NATURAL FERTILITY.

STIMULATION OF ROOT DEVELOPMENT: EXPANDS THE ROOT SYSTEM AND ROOT HAIRS TO MAXIMIZE WATER AND NUTRIENT UPTAKE.

Novofert Origins is a next-generation phosphorus efficiency optimizer **designed to protect applied phosphate and unlock native phosphorus bound in the soil.** Powered by Fertinagro's patented **Phosphoactive technology** (a bio-stimulation complex), it acts directly on the rhizosphere's biochemistry to maximize nutrient uptake, promoting vigorous root and vegetative development.

Phosphoactive technology naturally boosts the soil's existing biology through three synergistic steps:

1.Prevention of Phosphate Tie-Up (Anti-Fixation Effect)
The organic complex in Phosphoactive interferes with soil fixation reactions, preventing applied soluble phosphorus from binding with Calcium, Iron, or Aluminum.

2.Active Recruitment (Chemical Signaling)
The formula contains specific bioactive molecules that mimic natural plant root exudates. These signaling molecules attract, recruit, and feed native Phosphate Solubilizing Bacteria (PSB) already present in the soil.

3.Solubilization & Mineralization:
By feeding the local microbiota, the bacteria are stimulated to synthesize organic acids and enzymes. This process releases locked, insoluble phosphorus and mineralizes organic phosphorus, converting them into plant-available orthophosphates.

FERTINAGRO BIOTECH

NOVOFERT Origins

Type designation: SPECIAL FERTILIZER. AMINO ACIDS. Group 4.1.01 (RD 506/2013)

Declared content

	w/w
Free amino acids	6%
Total Nitrogen (N)	1%
Organic Nitrogen (N)	1%
pH	5

Dosage and instructions for use

The product can be used in three different ways:

1. **As coating for granular phosphate products:** 1-3%
2. **Direct Soil Application (At Planting / Pre-Plant)**

In-Furrow / At-Planting Application

Application Timing: Applied once per crop cycle, directly at planting or transplanting time. 0,5-2,6 L/ha

Mixing with Liquid Fertilizers

Application Timing: At planting or pre-plant incorporated into the soil.

Liquid Phosphate Fertilizer Mix Rate (e.g., 10-34-0): Mix at a rate of 0.5% to 2.5% of Novofert Origins by volume of the liquid fertilizer in the tank.

3. **Application in Herbicide Tank Mixes (Foliar / Co-Application)**

Co-applying Novofert Origins with herbicide passes is a highly successful and common practice:

Pre- or Post-Emergence Herbicide Mixes

Application Timing: Coinciding with standard post-emergence weed control windows on major crops, or pre-/post-emergence on crops like soybeans.

Specific Soybean / Row Crop Rate: Outstanding results have been achieved by tank-mixing Novofert Origins at 1 L/ha.

General Label Rate: Mix 1 L of product per 100 L of water/spray solution in the tank.

Storage and handling instructions

Keep away from sunlight and moisture.

Storage temperature: 4-35°C

Patented technologies and complexes

PHOSPHOACTIVE Technology

PHOSPHOACTIVE IS A PROPRIETARY TECHNOLOGY AWARDED BY THE UNITED STATES DEPARTMENT OF AGRICULTURE (USDA) AND THE ENVIRONMENTAL PROTECTION AGENCY (EPA) AS A NEXT-GENERATION FERTILIZER TO PROMOTE AGRICULTURAL SUSTAINABILITY.

USDA United States Department of Agriculture | EPA

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SOMOS SOSTENIBILIDAD

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