BIOBELIEF

THE ORGANIC PLANT NUTRITION RANGE



European innovation. Sustainable agriculture.

Better opportunities for farmers.

ORGANIC INPUTS • AGRONOMIC PERFORMANCE

RESPONSIBLE FARMING • EXPORT READINESS

Developed and distributed from the Netherlands

www.be-botanical.com

A new belief in better farming



“A healthy harvest begins with healthy choices — for the crop, the soil, the farmer and the world we share.”

A message from Be Botanical

Every growing season, farmers are asked to do more with less. Fertilizer costs fluctuate, climatic conditions become harder to predict and buyers increasingly demand traceability, responsible production and reliable quality. We believe farmers should not have to choose between productivity and stewardship.

That is why Be Botanical introduces Biobelief: a portfolio of specialist organic-input plant nutrition products, developed and distributed from the Netherlands, drawing on formulation knowledge and laboratory expertise across Europe. Our objective is practical: help growers make intelligent nutrient decisions, improve input efficiency, strengthen crop quality and create a pathway toward valuable, long-term commercial relationships.

We see a fertilizer programme as more than a purchase. When a farmer can combine appropriate nutrition with good soil management, documented cultivation practices and a reliable market, investment in the land can also become investment in jobs, local skills and environmental progress.

What Biobelief stands for

GROW BETTER	SPEND SMARTER	OPEN MARKETS
Targeted nutrient formulations for specific crop phases; foliar or fertigation application.	Cost-per-hectare planning, matching applications to need rather than buying fertilizer by volume alone.	Support for traceability and buyer introductions, including potential European export agreements for qualified farms.

Our promise: practical agronomy, transparent product information and farmer partnerships that value commercial, social and environmental outcomes. No yield, price or export premium is guaranteed; each opportunity depends on crop performance, costs, certification and market requirements.

The science behind Biobelief



Biobelief combines plant nutrients with organic-source compounds such as amino acids and, in selected liquids, freshwater microalgae extracts. Different formulations address different plant requirements. The principle is to supply appropriate nutrients when plants need them, while supporting nutrient-management efficiency.

A simple guide to the mechanisms

COMPONENT	ROLE IN THE PLANT	WHY IT MATTERS
Nitrogen (N)	Supports chlorophyll, amino acids and vegetative growth.	Leaf development and growth potential; excessive N can undermine quality and efficiency.
Phosphorus (P)	Essential to energy transfer (ATP), roots and reproductive development.	Important around establishment and flowering.
Potassium (K)	Supports osmotic regulation, water balance and assimilate transport.	Important for fruit fill, size, ripening and stress management.
Amino acids / proteins	Provide organic nitrogen compounds; certain amino acids participate in plant metabolism.	May complement feeding programmes; outcomes depend on formulation and conditions.
Algae-derived extracts	Contain naturally occurring bioactive constituents, varying by extract.	Used to support plant nutrition and physiological response, subject to product-specific evidence.

Understanding I.C.E. — Inter Cellular Exchange

The source material describes I.C.E. (Inter Cellular Exchange) as a proposed explanation for movement of nutrients associated with its formulated biological material toward plant tissues. This concept is described through concentration gradients, water movement and cellular nutrient transfer. In practical agronomy, nutrient uptake through roots and leaves involves transport across membranes, gradients, plant physiology and environmental conditions.

Important technical clarification: direct transfer of intact bacterial cytoplasm into plant cells, and the claimed “up to 90% absorption within three hours”, have not been independently validated by the documents supplied. The I.C.E. discussion is therefore presented as a manufacturer-described formulation concept, not an established or guaranteed mechanism for the rebranded portfolio.

Biobelief | Soluble powder range



Concentrated, easy-to-handle powder formulations for foliar nutrition and fertigation. All N–P–K figures below follow the corresponding supplied technical sheets; P and K are expressed as P_2O_5 and K_2O.

BIOBELIEF FORMULATION	KEY COMPOSITION	AGRONOMIC POSITIONING
Explorer Nitrogen 16%	N: >15%; organic N: 15.8%; total amino acids: 98.6%	Specialist nitrogen and amino-acid nutrition for active growth and recovery programmes.
NPK 9-4-4	NPK: 9–4–4; amino acids: 45%; organic matter: 77.2%	Nitrogen-forward nutrition for early and vegetative phases.
NPK 10-2-8	NPK: 10–2–8; amino acids: 45%	Higher-N support where growth demand is significant.
NPK 8-3-9	NPK: 8–3–9; amino acids: 40%; fulvic acids: 20%	Balanced vegetative and potassium support; includes fulvic fraction.
NPK 7-3-7	NPK: 7–3–7; amino acids: 33.45%	Flexible general crop-feeding programme.
NPK 7-7-7*	Sheet title: 7–7–7; analysis: N 7%, P_2O_5 6%, K_2O 6%; amino acids: 33.45%	Broad nutrient support; analysis discrepancy must be resolved before commercial labeling.
NPK 6-3-18	NPK: 6–3–18	Potassium-rich nutrition for fruit development and finishing phases.

Typical use: fruit trees, horticultural crops and field crops. Powder sheets commonly describe maintenance rates of 150 g/100 L for fruit trees, 200 g/100 L for horticulture, and 100–200 g/100 L for extensive crops (often 3–4 foliar applications); fertigation commonly 2, 3 and 1–3 kg/ha respectively. These are source-sheet general recommendations, not one universal programme.

Biobelief | Liquid nutrition range



Liquid formulas allow precise placement through fertigation or foliar spray. Some contain freshwater algae extracts as well as amino acids, delivering a versatile toolkit for crop-specific schedules.

BIOBELIEF FORMULATION	GUARANTEED ANALYSIS / FEATURE	PRIMARY USE
Nitrogen 1200	12% N by weight; ≥16% N by volume	Liquid nitrogen programme to help address nitrogen deficiency.
NPK 5-5-5	5–5–5; amino acids 21.90%; algae extract 10%	Balanced nutrition across crop stages.
NPK 3-3-10	3–3–10; amino acids 15.13%; algae extract 10%	Potassium-forward foliar/fertigation programmes.
NPK 2-10-2	2–10–2	Phosphorus-focused programme around roots and reproductive stages.
Phosphorus P 0-20-0	20% P_2O_5 by weight; algae extract 25%; sheet reports pH <0.50	High-phosphorus liquid; special attention required to handling and compatibility.
PK 0-20-20	P_2O_5: 15% w/w, 20% w/v; K_2O: 20% w/w, 28% w/v	Phosphorus/potassium support for establishment, flowering and fruit development.
Potassium 20%	K_2O: 20% w/w, 26% w/v; pH 12.5 ±1	High-potassium nutrition for fruiting/ripening; observe handling guidance.

General liquid NPK sheet guidance includes 150 mL/100 L for fruit trees, 200 mL/100 L for horticultural crops and 100–200 mL/100 L for field crops, with related fertigation guidance commonly 2, 3 and 1–3 L/ha, respectively. Specialist P, PK and K products carry materially different dose ranges; use their individual approved labels.

Mixing advisory: Never assume tank-mix compatibility. Check water quality, pH, precipitation, crop sensitivity and equipment materials; conduct a small jar test and follow the current product safety data sheet, especially with highly acidic or alkaline concentrates.

Right product. Right stage. Right value.



A successful programme begins with a soil or tissue analysis, irrigation-water review and realistic crop goal. The Biobelief range is intended for selection and timing, not indiscriminate application.

CROP MOMENT	POTENTIAL BIOBELIEF APPROACH	AGRONOMIC DECISION
Establishment / transplant	NPK 5-5-5, NPK 2-10-2 or P 0-20-0	Assess phosphorus availability, substrate and root-zone pH.
Leaf and canopy growth	Explorer N 16%, Nitrogen 1200, NPK 9-4-4 / 10-2-8	Match nitrogen to crop uptake and leaf diagnostics.
Flowering / fruit set	PK 0-20-20, NPK 8-3-9	Account for P/K demand; do not confuse biostimulation with proven fruit-set gains.
Fruit fill / ripening	NPK 6-3-18, NPK 3-3-10 or Potassium 20%	Balance K with Ca/Mg and salinity risk.
Heat, drought, salinity challenges	Amino-acid-containing formulas where suitable	Improve core irrigation and soil management first; do not promise stress immunity.

What a better cost equation looks like

Total nutrient-programme cost per hectare = product purchase + transport + dilution/application labour + equipment + testing + compliance costs. Compare that with marketable yield × realized farm-gate price, not just bag or container price.

A higher-concentration soluble formulation may reduce transport or handling per unit of applied product, but it is not automatically cheaper or more effective. Savings require side-by-side trials, locally quoted prices and robust nutrient accounting.

Illustrative buyer pathway

A pepper or horticulture grower could start by reviewing soil analyses, planning nutrition, recording every input, tracking harvest lots and arranging residue/quality tests. The farm can then present buyer-ready documentation to prospective European importers. Where acceptable certification and buyer specifications are fulfilled, Be Botanical may help facilitate potential export partnerships or supply discussions. These are opportunities, not existing purchase commitments.

Sustainability that reaches beyond the field



Environmental outcomes

Targeted plant nutrition can be part of a strategy to reduce excess nutrient application, manage runoff risks and protect the soil resource. Sustainable results depend on the complete farm system: fertilizer rates, crop rotation, organic matter, efficient irrigation, biodiversity protection and careful waste handling. Any verified reduction in emissions or nutrient losses requires measurement and a credible baseline.

Social outcomes

Be Botanical seeks collaboration with growers, local agronomists and agricultural entrepreneurs through practical training, responsible input distribution and opportunities for smallholder participation. Commercially stronger farming can help support employment in growing, grading, packaging, transport and export logistics. These are intended impact pathways, not quantified impacts already achieved.

Organic input status and certification

The supplied technical sheets generally state suitability for organic agriculture under EU Regulations 2018/848 and 2021/1165; many also reference USDA NOP and some JAS. The documents themselves are supplier technical sheets, not independent current certificates issued to Biobelief-branded SKUs. A statement such as “every Biobelief product is certified organic input” should appear on market-facing packs only once the specific formula, manufacturer, trade name, certifier, territories and certificate validity have been confirmed.

Even with a certified input, the farm and final crop need their own applicable organic certification and documented controls before marketing produce as certified organic in the EU. Buyers may also require food-safety audits, traceability, residue monitoring and additional private standards.

Responsible procurement and quality assurance

The technical sheets describe organic-source ingredients, soluble nutrient formulations and various controls. Be Botanical’s European-laboratory positioning should be substantiated through documented laboratory relationships and quality records. For each SKU, request a current certificate, safety data sheet, batch certificate of analysis, traceable origin, confirmed nutrient values and up-to-date legal label.

From the Netherlands to farms worldwide



Biobelief is positioned as more than a product line: it is a foundation for long-term collaboration between European technical know-how and ambitious agricultural producers. Our focus is simple: nutrient efficiency, farmer profitability, environmental care and traceable crops for discerning markets.

How Be Botanical works with farmers

01 · UNDERSTAND	02 · PLAN	03 · VERIFY	04 · CONNECT
Review crop, climate, soil, water and farmer objectives.	Select products, application timing and realistic costs per hectare.	Document use, measure quality and prepare required certification and traceability.	Explore qualified export-buyer relationships and sustainable commercial development.

“Do local what you can do locally. Build connections where they create greater value.”

Contact Be Botanical BV

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