



Nutrition | Resilience | Growth

Foliar

NRG™

Targeted Nutrition for Rapid Response and Resilient Growth

Foliar NRG is an advanced foliar formulation that delivers a powerful combination of micronutrients, natural chelators, fermentation metabolites, kelp extracts, and phosphoric acid to rapidly correct deficiencies, enhance growth, and stimulate plant resilience under stress.

Designed for high-efficiency foliar uptake and fast translocation, Foliar NRG provides crops with the tools they need to build stronger canopies, improve flowering and fruit set, and optimize photosynthetic function across a broad range of production systems.

Key Benefits of Foliar NRG

- ✓ **Rapid Delivery of Essential Nutrients**
Supplies a full spectrum of bioavailable micronutrients and trace elements including zinc, manganese, boron, copper, molybdenum, and iron—critical for enzymatic processes, flowering, and chlorophyll synthesis.
- ✓ **Kelp-Driven Metabolic Activation**
Contains naturally derived plant hormones (cytokinins, auxins, gibberellins) from kelp extract that promote cell division, shoot elongation, and flowering. Especially useful for pushing crops through critical growth transitions.
- ✓ **Phosphoric Acid for Energy and Early Growth**
Provides a readily absorbed source of phosphorus, essential for energy transfer (ATP), root activity, and the development of reproductive organs.
- ✓ **Fermentation-Derived Bioactivity**
A proprietary blend of microbial metabolites including organic acids, peptides, vitamins, and enzymes acts as a metabolic primer, enhancing photosynthesis, stress response, and nutrient mobility within the plant.



✓ **Natural Chelation with Fulvic Acid**

Low molecular weight fulvic acids improve mineral solubility and transport across cell membranes, enhancing nutrient uptake without synthetic chelators.

✓ **Stress Mitigation and Recovery**

The synergistic combination of bioactive compounds, plant hormones, and key micronutrients supports resilience to abiotic stressors including drought, heat, and salinity, while accelerating recovery after crop stress events.

This product is fermented with:

- **Lactobacillus spp.** – Produce lactic acid and antimicrobial peptides that suppress foliar pathogens and create a favourable leaf environment.
- **Photosynthetic Bacteria** – Use sunlight and CO₂ to produce beneficial metabolites and biomass, aiding leaf-level microbial stability and light-use efficiency.
- **Yeasts**– Contribute vitamins and enzymes while building microbial resilience and colonization.
- **Fermentation Metabolites** – A rich mixture of naturally occurring organic acids, amino acids, vitamins, and signalling molecules that stimulate plant responses.
- **Fulvic Acid** – A powerful organic acid that improves foliar nutrient uptake, chelates trace elements, and enhances nutrient mobility within the plant.

Component	Function
Zinc (Zn)	Enzyme cofactor for hormone production and root growth
Manganese (Mn)	Photosynthetic activation and chloroplast integrity
Boron (B)	Cell wall strength, pollen viability, sugar transport
Iron (Fe)	Chlorophyll synthesis and electron transport
Copper (Cu)	Enzymatic defence and lignin synthesis
Molybdenum (Mo)	Nitrogen metabolism and nitrate reduction
Fulvic Acid	Natural chelator for enhanced nutrient mobility
Fermentation Extracts	Amino acids, organic acids, vitamins, enzymes
Phosphoric Acid (P)	Energy transfer (ATP), cell division, flowering
Kelp Extract	Natural growth hormones to stimulate development and recovery

Note: All nutrients are in highly soluble, foliar-available forms. Nano-technology enhances particle dispersion and leaf surface absorption.



Application Guidelines*

Dilution Rate:

- 5–10 mL per 1 L of water (0.5–1.0%)
- Spray to full leaf wetness using boom sprayers, handheld applicators, or aerial misting systems.

Timing:

- Use throughout the crop cycle:
 - Early vegetative growth
 - Pre-flowering
 - Fruit or tuber bulking stages
- Reapply every **7–14 days**, especially following weather stress or during rapid growth phases.

Compatibility:

- Compatible with most low-salt foliar nutrients, biologicals, and soft chemistries. Avoid high-pH or oxidizing agents. Conduct a jar test before tank mixing.

****For your specific requirements, please contact your Multikraft specialist.***

Why Choose Foliar NRG?

Foliar NRG is a highly efficient and biologically intelligent foliar spray designed to do more than just feed the crop—it stimulates plant function. By combining the precision of nano-micronutrients with the natural growth stimulation of kelp, energy-driving phosphorus, and fermented biologicals, it primes the crop to grow stronger, respond faster, and yield more.

Whether you're pushing vegetative growth, initiating flowering, or overcoming in-season stress, Foliar NRG offers a reliable, fast-acting solution to unlock plant potential and improve productivity

Where to Use Foliar NRG

Foliar NRG is specifically formulated for use in cropping systems where **growth stimulation, metabolic support, and rapid nutrient delivery** are essential. With its blend of phosphoric acid, kelp-derived growth compounds, micronutrients, fulvic acid, and fermentation metabolites, Foliar NRG is ideally suited for helping crops transition through critical stages and recover quickly from stress events.



Ideal application settings include:

- **Vegetables and Leafy Greens**
Use on lettuce, brassicas, herbs, and other fast-growing vegetables to enhance early vegetative growth, support rapid canopy development, and maintain nutrient availability in high-turnover systems.
- **Fruit and Nut Tree Crops**
Apply to citrus, avocado, macadamia, stone fruit, and pome fruit during flowering, fruit set, and bulking stages. The phosphorus and plant hormones in Foliar NRG support strong reproductive performance and improved fruit quality.
- **Vine Crops and Berries**
Suitable for grapes, blueberries, raspberries, and cucurbits to support shoot elongation, fruit development, and recovery from pruning or environmental stress.
- **Broadacre Crops**
Use on cereals, legumes, and oilseeds to drive early biomass, improve flowering uniformity, and increase nutrient use efficiency during critical reproductive stages.
- **Protected Cropping and Intensive Systems**
In greenhouses, tunnels, and hydroponic settings, Foliar NRG provides clean, low-residue nutrient delivery with additional bioactivity for plant performance under controlled but demanding environments.
- **Stress Recovery and Transitional Growth Phases**
Especially useful during post-transplant establishment, flowering-to-fruit transitions, or recovery from drought, heat, or cold shock. The combination of phosphorus, hormones, and fermentation compounds accelerates metabolic rebalancing and regrowth.
- **Low-Salt or Biological Programs**
Foliar NRG fits seamlessly into regenerative, organic-aligned, or low-input systems that seek to avoid synthetic chelates and salt-heavy foliar nutrition.

Product Specs

- **Pack Sizes:** 20L | 1000L
- **Storage:** Store in a cool, shaded area. Once opened, use within 6–12 months.

Ready to Lead with Leaf Health?

Foliar NRG bridges the gap between traditional foliar feeding and regenerative plant stimulation. With its unique combination of biologically derived inputs, natural growth regulators, and targeted micronutrients, it offers growers a high-value solution for promoting healthier foliage, better nutrient efficiency, and stronger plant performance across a wide variety of crops.