Sylvarise™ INNOVATION



Cultivating tomorrow…

PURPOSE

Sylvarise Innovation exists to develop and deliver advanced agricultural input solutions that improve crop productivity, farm profitability, and sustainable farming practices. By merging science, research, and farmer-focused innovation, we aim to empower farmers with products and technologies that optimize plant growth and enhance agricultural output.

COMPANY OVERVIEW

Sylvarise Innovation is a forward-thinking agri-tech startup based in India, dedicated to transforming modern agriculture. We specialize in crop nutrition, plant health technologies, and next-generation farming solutions that drive productivity, sustainability, and profitability.

Combining scientific expertise with farmer insights, Sylvarise delivers high-performance, technology-driven inputs that support diverse crops and farming systems. Our commitment is rooted in improving yield quality, nutrient efficiency, and resource utilization—strengthening the foundation of future-ready farming.

VISION

To become a global leader in advanced agricultural inputs and crop technologies, enabling sustainable, efficient, and profitable farming.

MISSION

- Develop science-based, reliable agricultural solutions for modern farming.
- Enhance crop productivity, soil health, and nutrient efficiency.
- Bridge the gap between global agri innovations and Indian agriculture.
- Promote sustainable, eco-friendly, and efficient farming practices.
- Build long-term partnerships with farmers, retailers, and agro distributors.

WHO WE ARE

A new-age agriculture technology company focused on empowering Indian farmers with the best global innovations in crop care, nutrition, and agri-solutions.

PRODUCT PHILOSOPHY

Each Sylvarise product is crafted with three guiding principles:

- **Efficiency –** Higher nutrient uptake and faster crop response.
- **Precision –** Targeted, science-driven formulation for optimal results.
- **Performance –** Reliable, consistent outcomes across crops, conditions, and regions.

COMMITMENT TO FARMERS

We believe farmer prosperity drives agricultural progress.
Our promise includes:

- Delivering high-quality, tested, and effective inputs.
- Providing technical crop guidance and advisory support.
- Supporting sustainable and climate-resilient farming practices.
- Continuously improving formulations through ongoing research & development.

BENEFITS

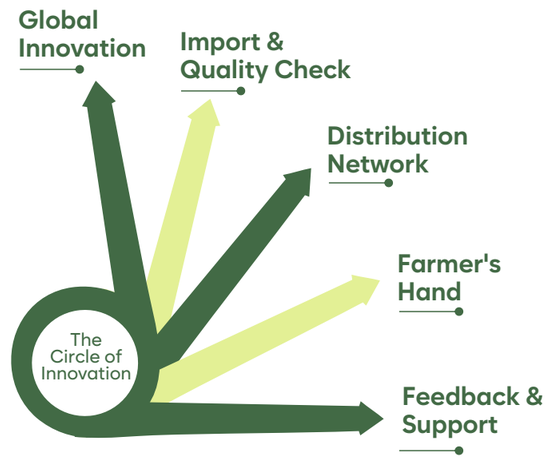
For Retailers

- Access to innovative, high-demand agricultural products.
- Competitive pricing and consistent supply.
- Product training, marketing materials, and retailer support programs.
- Dedicated relationship managers and service channels.

For Farmers

- Increased yield and profitability.
- Reduced labor and input costs.
- Improved soil health and sustainability.
- Easy-to-use, scientifically validated agricultural technologies.

OUR PROCESS



Sylvarise

SYLVARISE INDIA PRESENCE



PAN-INDIA PRESENCE

- Strong network across India's major agricultural regions.
- Expanding partnerships with leading global agri-tech manufacturers.
- Ongoing farmer training programs, workshops, and field demonstrations.
- Strategic plans for international market expansion to empower farmers worldwide.

TECHNOLOGY OF SYLVARISE

VaxtKraft Technology

Harpin Signalling Proteins
Activates natural plant defence and growth responses

Enzymatic Activity
Stimulates photosynthetic efficiency and biomass accumulation.

Structural Strength and Resilience
Promotes advanced root architecture for improved water and nutrient uptake across diverse soil conditions.

Nutrient Use Efficiency (NUE)
Enhances absorption, translocation, and assimilation of essential macro- and micronutrients.

TECHNOLOGY OF SYLVARISE

TP Technology

Osmotic Potential
Enhances cellular turgor, maintaining cell expansion and structural rigidity under variable moisture conditions.

Stomatal Function
Improves transpiration efficiency, enabling controlled water loss, sustained gas exchange, and enhanced photosynthesis.

Cell Expansion
Promotes better growth dynamics, leading to increased biomass accumulation and crop productivity.

Plant Biomechanics and Rigidity
Turgor measurement helps assess internal water pressure, supporting plant stability and resistance to wilting under environmental stress.

TECHNOLOGY OF SYLVARISE

PA Technology

Reduce Fertilizer Runoff & Eutrophication
Controlled-release formulations reduce fertilizer runoff and minimize eutrophication.

ATP and Nucleic Acid Synthesis
Enhances cellular energy transfer; improved phosphorus availability supports chlorophyll synthesis, carbohydrate metabolism, and electron transport.

Root Elongation And Surface Area
Promotes stronger, well-branched root systems with greater elongation and surface area for improved nutrient and water uptake.

P Uptake Efficiency
Advanced phosphorus technologies enhance solubility, reduce soil fixation, and significantly improve uptake and nutrient use efficiency.

Plant Health Booster



Plant Health Booster Granules



Speciality Nutrients

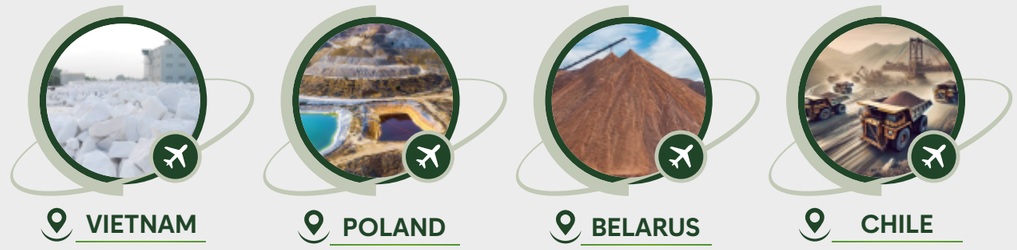


Speciality Water Soluble Fertilizer



Cultivating tomorrow...

FROM THE MINES OF



VIETNAM | POLAND | BELARUS | CHILE



GALACTANS Energy Source of Sea Plant



Galactans are complex polysaccharides composed of polymerized galactose units that serve critical structural and functional roles in plants, acting primarily as structural components of cell walls rather than direct, immediate sources of energy. While plants produce their own food primarily through photosynthesis, creating glucose, Galactans specifically contribute to plant growth by influencing cell wall structure, aiding in stress tolerance, and serving as a stored carbon source in certain tissues.

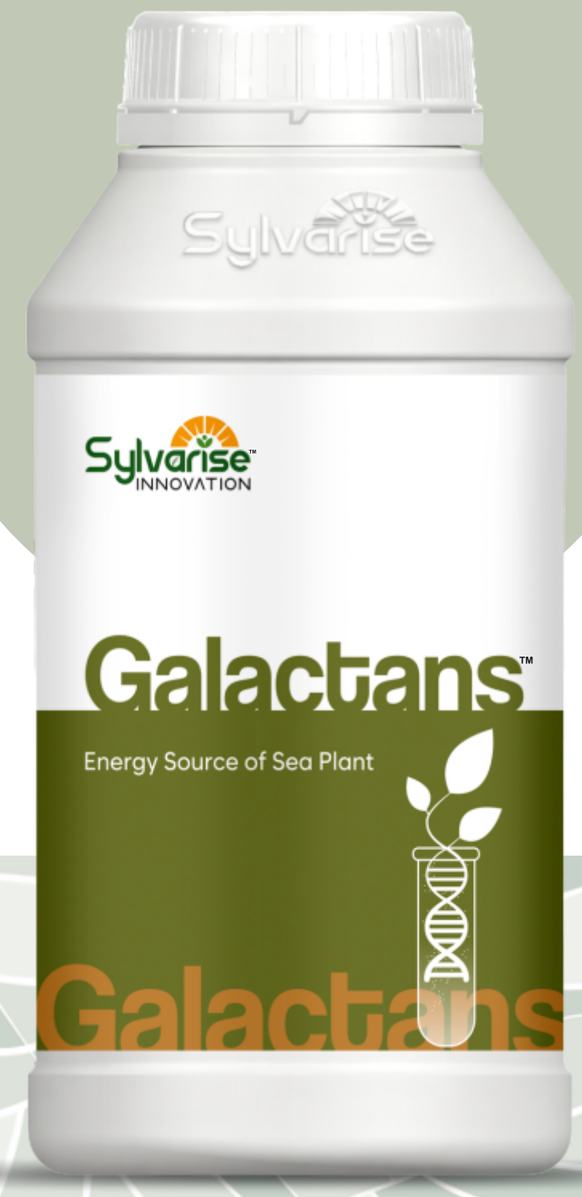
ROLE OF GALACTANS IN PLANT GROWTH	
Cell Wall Structure	Galactans is a major component of pectin (rhamnogalacturonan I) in the primary cell walls of terrestrial plants. They are essential for plant development, particularly in cell elongation, as they modify cell wall properties.
Structural Regulation	Galactans help control the crystallization of cellulose within the cell wall
Growth Support	Reductions in Galactans content have been linked to altered mechanical properties in plant tissues, such as slightly reduced stem diameters.
GALACTANS AS ENERGY/CARBON RESERVES	
Raffinose Family Oligosaccharides (RFOs)	These are soluble sugars containing galactose that act as reserve carbohydrates in plants, especially in seeds, where they aid in seed germination and abiotic stress tolerance (desiccation, cold, heat).
Mobilization	During germination, RFOs are hydrolysed by galactosidase into simple sugars, providing a, source of energy for the developing seedling.
Storage in Tissues	Plants can store these compounds in tuber or mesophyll cells, which can be broken down to support respiration.

DOSES & APPLICATION :

Crops	Stage	Reason	Dose
Vegetables & Field Crops	After Transplanting 15 days & after 20 days interval Second Spray	Promotes primary root development & Enhances Flowering	1 ML per Liter
Grapes	Rachis Elongation Stage, Sizing ESS Spray	For Good Rachis & Berry Elongation	ESS – 500 ML per acre & Spray 1 ML per Liter
Pomegranate	Flowering, Setting, Sizing, & Colour Development	Stress Release, For Better Colour Development & Sizing	1 ML per Liter
Flowers	Bud, flowering	Good Flush and Strong Petals	1 ML per Liter
Plantation	Pre flowering & Fruit Development	Strong Flush & Size Development	1 ML per Liter

Galactans™

Energy Source of Sea Plant



INDONESIA

OMNIFUSE

Delivery and Support System
Bio Chemical Balancer



OmniFuse regulates resources through complex, coordinated biochemical pathways that function synergistically. These interconnected processes work together to ensure efficient, balanced, and adaptive resource management under varying conditions.

OMNIFUSE MODE OF ACTION

- **Nutrient Mobilization:** OmniFuse (C&G) play a critical role in supporting growth by facilitating the mobilization of nutrients, amino acids, and inorganic salts towards sink tissues (leaves, fruits, embryos).
- **Vascular Differentiation:** OmniFuse triggered Auxins are central to the development of xylem and phloem, establishing the structural "delivery routes" within the plant.
- **Stomatal Support System:** OmniFuse (ABA) acts as a stress-response courier that triggers stomatal closure during drought, altering potassium and sodium uptake in guard cells to prevent water loss.
- **Metabolic Signaling:** Omnifuse (JA) regulates the synthesis of defensive compounds (like phenols) in response to biotic threats and induces the accumulation of soluble sugars.

KEY BENEFITS

- **Root-to-Shoot Transfer:** Synthesized in roots and moved via the xylem, they delay senescence and ensure nutrient delivery to growing shoots.
- **Germination and Elongation:** They break dormancy by promoting the synthesis of amylase, breaking down starch for early seedling nourishment.
- **Microbial Support:** Released by roots under nutrient deficiency, they attract arbuscular mycorrhizal fungi to enhance nutrient acquisition, particularly phosphate.

DOSES & APPLICATION :

Crops	Stage	Reason	Dose
Vegetables & Field Crops	After Transplanting 15 days & after 20 days interval Second Spray	Promotes primary root development & Enhances Flowering	2-3 ML per Liter
Grapes	Rachis Elongation Stage, Sizing ESS Spray	For Good Rachis & Berry Elongation	ESS – 1 Lit per acre & Spray 2-3 ML per Liter
Pomegranate	Flowering, Setting, Sizing, & Colour Development	Stress Release, For Better Colour Development & Sizing	2-3 ML per Liter
Flowers	Bud, flowering	Good Flush & Strong Petals	2-3 ML per Liter
Plantation	Pre flowering & Fruit Development	Strong Flush & Size Development	2-3 ML per Liter

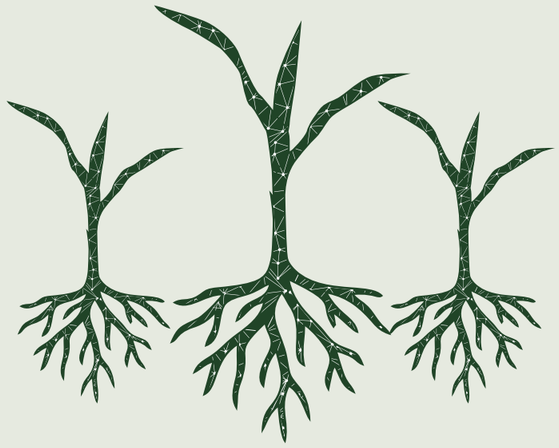
OmniFuse™

Delivery and Support System
Bio Chemical Balancer



CANADA

INZALO Powered by VaxtKraft Technology



Inzalo is a natural organic compound widely used in agriculture because it improves nutrient efficiency and overall plant health.

KEY BENEFITS ON PLANTS :

Improves nutrient uptake	Chelates micronutrients (Fe, Zn, Mn, Cu), making them easily absorbable Enhances uptake of N, P, K through roots and leaves
Promotes root growth	Stimulates root elongation and branching Improves root hair development, leading to better water and nutrient absorption
Enhances plant growth & vigor	Boosts cell division and metabolism Improves plant height, leaf size, and biomass
Improves photosynthesis	Increases chlorophyll formation Results in greener leaves and higher energy production
Stress tolerance	Helps plants withstand drought, salinity, heat, & cold stress Reduces nutrient lock-up in adverse soil conditions
Soil health improvement	Enhances microbial activity Improves soil structure and nutrient availability
Improves yield & quality	Better flowering, fruit set, and grain filling Improves size, colour, taste, and shelf life of produce
Detoxification	Reduces harmful effects of heavy metals and chemical residues in soil

DOSES & APPLICATION :

Crop	Dose	Spray Stage	No. of Sprays
Field Crops	2–3 ml / Liter	Vegetative & Pre-flowering	2
Vegetables	2–3 ml / Liter	15–20 DAT*, Flowering, Fruit Development	2–3
Fruit Crops	2–3 ml / Liter	New Flush, Flower Initiation, Fruit Growth	2–3
Flowers	2–3 ml / Liter	Tillering & Grand Growth Stage	2
Plantation Crops	2–3 ml / Liter	New Flush, Flower Initiation, Fruit Growth	3

Inzalo™

Powered by VaxtKraft Technology

Natural Organic Compound



FRANCE

ENERLIX Energy Conservation



UNLOCKING THE POWER

How Enerlix -Act as Building Blocks of Plant Proteins

- Cellular Structure
- Enzymes Instructions to manufacture enzymes
- Managing Metabolism
- Repairing and Building Tissue

Plant Growth Enhancement

Glutamic Acid
Enhances chlorophyll & nitrogen use, reducing fertilizer needs

Proline
Protects during drought or heat, reducing stress-induced losses

Glycine
Chelates micronutrients, improving mineral uptake efficiency

Arginine
Stimulates root formation, allowing better nutrient exploration

Tryptophan
Boosts hormone synthesis, promoting natural growth

DOSES & APPLICATION :

Crops	Stage	Reason	Dose
Vegetables & Field Crops	After Transplanting 15 days & after 20 days interval Second Spray	Promotes primary root development & Enhances Flowering	2 ml / liter
Grapes	Rachis Elongation Stage, Sizing ESS Spray	For Good Rachis & Berry Elongation	ESS - 1 liter per acre & Spray 2 ml per liter
Pomegranate	Flowering, Setting, Sizing, & Colour Development	Stress Release, For Better Colour Development & Sizing	2 ml per liter spray
Flowers	Bud, flowering	Good Flush & Strong Petals	2 ml per liter liter
Plantation	Pre flowering & Fruit Development	Strong Flush & Size Development	2 ml per liter liter

Enerlix™

Energy Conservation



CHILE

ROOTEASE Charged by Electrolytes



Rootease - an organic acid solution containing 22% organic acids is a high-concentration soil amendment or foliar treatment designed to enhance soil health, increase nutrient availability, and boost plant growth. These formulations are generally rich in low-molecular-weight organic acids (like humic, fulvic, citric, or malic acids) that serve as bio-stimulants.

Organic acids act as chelating agents, carbon sources for microbes, and signalling molecules that enhance plant metabolic activity.

- Enhanced Nutrient Uptake (Chelation)
- Improved Soil Health & Structure
- Abiotic Stress Tolerance
- Root Development & Growth Promotion
- Physiological & Metabolic Processes

DOSES & APPLICATION :

Crops	Stage	Reason	Dose
Vegetables	Setting Stage	To increase the uptake	2- 3 Liter per acre
Grapes	From 12th DAP to 90th DAP	To increase the uptake	2- 3 Liter per acre
Pomegranate	From Chowk Stage to Colour development Stage	To increase the uptake	2- 3 Liter per acre
Plantation	From Flush to Strong Fruit Development	To increase the uptake	2- 3 Liter per acre

RootEase™

Charged by Electrolytes





USA

GALACTANS Granules Energy Source of Sea Plant



Galactans Granules act as a powerful, natural soil amendment that synergistically improves soil structure, enhances nutrient availability, and boosts plant physiological performance. The combination of bioactive compounds (phytohormones, amino acids) with mineral properties offers a slow-release system that significantly improves plant growth, particularly in low-fertility or dryland soils.

KEY BENEFITS FOR THE PLANT

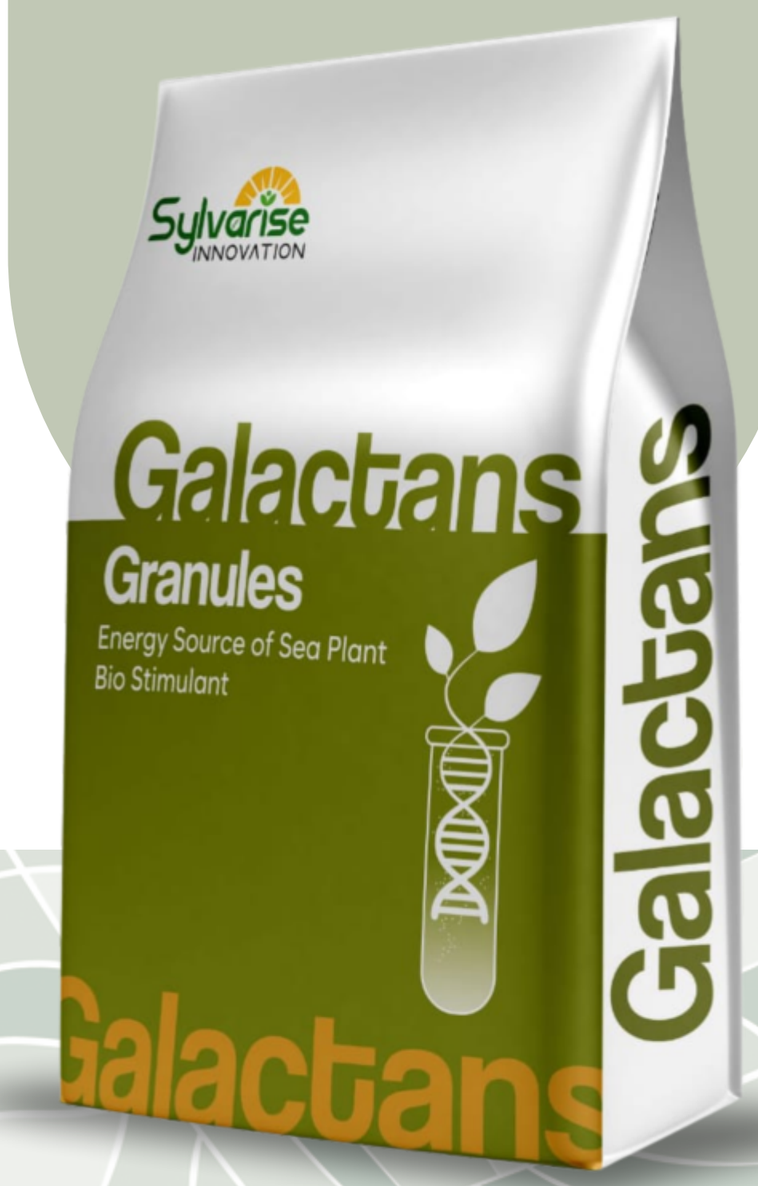
- **Boosted Root Growth and Vigor:** Galactans Granules contain natural hormones (auxins and cytokinin's) that stimulate root growth and branching, leading to stronger root systems. This combination enhances root dry weight, improving nutrient absorption.
- **Enhanced Nutrient Use Efficiency (NUE):** With a high cation exchange capacity (CEC), Galactans Granules trap essential nutrients (potassium, calcium, ammonium, and magnesium) and release them slowly. This optimizes nutrient availability and reduces leaching losses.
- **Drought and Heat Stress Management:** Galactans Granules retain water, acting as a reservoir in the rhizosphere and improving water-holding capacity. When applied as a foliar coating, they can reflect infrared radiation, lower leaf temperature and reducing water loss through transpiration.
- **Balanced Soil pH and Mineral Nutrition:** Galactans Granules supply calcium and magnesium while acting as a soil conditioner to help neutralize soil acidity. This prevents aluminium toxicity and enhances the availability of macronutrients (N, P, and K).
- **Enhanced Photosynthesis:** Galactans Granules improve chlorophyll synthesis and overall vegetative growth. They may also increase CO_2 availability near the stomata, enhancing the photosynthetic rate, particularly in C3 plants.
- **Stress Mitigation (Salinity and Heavy Metals):** Galactans Granules act as a chelating agent, helping plants tolerate salt stress and survive in saline conditions. They also immobilize heavy metals in the soil, reducing toxicity risks.
- **Acts as a Bio stimulant:** Galactans Granules enhance beneficial microbial activity in the rhizosphere and reduce nutrient leaching, creating a "smart fertilizer" effect.

DOSES & APPLICATION :

Crops	Stage	Reason	Dose
Vegetables	Basal Application	To increase the uptake	5 KG Per Acre
Field Crops	Basal Application	To increase the uptake	5 KG Per Acre
Fruit Crops	Basal Application	To increase the uptake	5 KG Per Acre

Galactans™ Granules

Energy Source of Sea Plant



VOLASAIL Energy Source



Volasil granules are natural, amorphous silica-based soil conditioners used in agriculture to improve soil health, increase nutrient efficiency, and boost water retention. They strengthen plant cell walls, leading to better resistance against pests, diseases, and environmental stresses like drought.

KEY BENEFITS & USES OF VOLASIL GRANULES:

- **Soil Amendment:** Enhances soil structure, boosts aeration, and increases water-holding capacity (up to 6 times its weight).
- **Silicon Supply:** Provides soluble silicic acid (silica) which is essential for strong stems, root development, and better yield.
- **Natural Pest Control:** Acts as an insecticide against soil-dwelling pests (like nematodes) by absorbing their protective oils.
- **Nutrient Management:** Slows down the release of other fertilizers, improving overall efficiency and reducing nutrient leaching.
- **Application:** Generally safe and easy to apply; often blended with fertilizers or mixed into potting soils/growing media.
- **Silicone Pressure-Sensitive Adhesives:** Volasil improves the self-adhesive qualities of silicone adhesives, providing reduced shrinkage and increased temperature resistance. Because of this, it can be used in industrial settings where performance and longevity are essential.
- **Volasil:** enhances the characteristics of soil by raising pH and accessible phosphorus (PAS), which promotes plant growth. It works especially well on acidic soils, where it can raise pH and enhance nutrient availability.
- **Energy Applications :** Volasil is utilized in energy research and technology, offering a sustainable supply of silica and silicon-based materials for usage in biomedical engineering, electrochemistry, catalysis, and optoelectronics.
- **Soil Care:** The benefits of soil care increase the yield and quality of crops and plants, making Diatomite Silicon a valuable addition to agricultural practices

DOSES & APPLICATION :

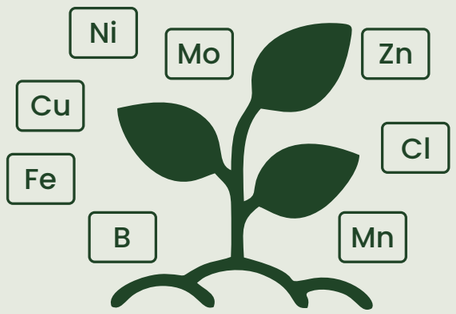
Crops	Stage	Reason	Dose
Vegetables	Basal Application	To increase the uptake	8 KG Per Acre
Field Crops	Basal Application	To increase the uptake	8 KG Per Acre
Fruit Crops	Basal Application	To increase the uptake	8 KG Per Acre

Volasail™

Energy Source



MICROKRAFT Free Berry Technology Micronutrient



"Micronutrient-free" berry technology generally refers to cultivation methods that allow growers to manage nutrient inputs precisely, offering "freedom" from relying on soil blocked compounds. This technology is essential for growing high-quality, high-yield berries, while managing the specific, often delicate, trace element requirements (Fe, Zn, Mn, B, Cu, Mo, Ni, Cl).

Role & Benefits of this Technology on Plants:

- ✓ Precision Nutrient Delivery:
- ✓ Enhanced Quality and Yield:
- ✓ Optimal Physiological Functioning:
- ✓ Disease Resistance:
- ✓ Biofortification Opportunities:
- ✓ Controlled Growth and Stress Tolerance:

DOSES & APPLICATION :

Crops	Stage	Reason	Dose
Vegetables & Field Crops	After Transplanting 35 days & after those 10days interval. In field Crop – after 25days	Improve plant Birx and nutrient rich plant	1 GM per Liter
Grapes	Rachi Elongation, Sizing - Stage, Veraison Stage	Increase Brix of Leaf	Drip-1000 GM/acre & Spray-1 GM per Liter
Pomegranate	Flowering, Setting, Sizing, & Colour Development	Increase Brix of Leaf	1 ml per Liter
Flowers	Bud, flowering	Improve plant Birx & nutrient rich plant	1 GM per Liter
Plantation	Pre flowering & Fruit Development	Improve plant Birx & nutrient rich plant	1 GM per Liter

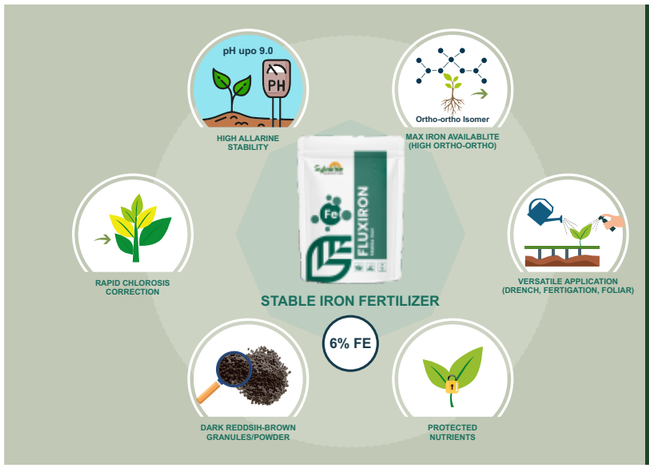
Microkraft™

Free Berry technology Micronutrient



ITALY

FLUXIRON Stable Iron



Stable Iron EDDHA (Ethylene diamine-di-hydroxyphenylacetic acid) is a highly efficient 6% ferrous iron chelate designed for preventing and correcting iron chlorosis in plants, especially in alkaline, calcareous, or high pH (up to 9.0) soils. It provides superior, long-lasting iron availability, promoting chlorophyll synthesis and boosting crop yield for fruits, vegetables, and ornamentals.

KEY FEATURES & BENEFITS

• **High Stability in Alkaline Soil :**
Unlike Fe EDTA, EDDHA-Fe stays soluble and available in soils with pH > 7, making it ideal for, alkaline soils and calcareous conditions.

• **Maximum Iron Availability :**
Features a high ortho-ortho isomer percentage (often 3.0% to 4.8% of the total 6% Fe) for rapid absorption.

• **Rapid Correction of Chlorosis :**
Quickly treats yellowing leaves and restores chlorophyll production.

• **Versatile Application :**
Suitable for soil drenching, fertigation (drip irrigation), and sometimes foliar spray.

• **Composition :**
Typically supplied as a dark reddish-brown, water-soluble granule or powder.
Common Applications

• **Fruit Crops :** Grapes, Pomegranates, Citrus, Banana, Papaya.

• **Vegetables :** Tomatoes, Chillies, Onions, Brinjal.

• **Ornamentals & Turf :** Flowers and shrubbery.

Application Guidelines
• **Soil Application :** 500g per acre
• **Timing :** Apply during early growth stages, and before

Fluxiron™

Stable Iron





GRID FLOW Energy Carrier at Cellular Level

In plant nutrition, Grid Flow forms a critical "power trio" for energy metabolism, photosynthesis, and structural growth.

GRID FLOW KEY BENEFITS:

- **Energy & Metabolism:**
  Grid Flow is an essential cofactor for the enzymes that produce and utilize ATP, which is the plant's energy molecule.
- **Photosynthesis:**
  Grid Flow is the centre atom of the chlorophyll molecule, which allows the plant to efficiently absorb and use solar energy while still preserving the integrity of cell membranes.
- **Growth & Yield:**
  Grid Flow encourages early plant vigour and root development. It has been demonstrated that balanced application increases crop biomass and seed production more than the sum of their separate impacts.

DOSES & APPLICATION :

Crops	Stage	Reason	Dose
Vegetables & Field Crops	After Transplanting 35 days and after those 10 days interval.	For Proper Flowering	2 to 3 gm per litre of water
Grapes	Bud Break Stage	To make the bunch Strong	2 to 3 gm per litre of water
Pomegranate	Before Flowering	For proper flowering	2 to 3 gm per litre of water
Flowers	Bud, flowering	For more buds & strong Petals	2 to 3 gm per litre of water
Plantation	Pre flowering & Fruit Development	For Good Flush and Fruits	2 to 3 gm per litre of water

Grid Flow™

Energy Carrier at Cellular Level



GAELIC The Architect - Cell Binding Element



Gaelic is a highly effective, fast-acting, and concentrated source of calcium for plants. It is commonly used as a foliar application to correct calcium deficiencies. When formulated as a suspension or liquid (SL), it allows for efficient nutrient uptake.

Gaelic - The Architect – Cell Binding Element

USES	USES
Fast-acting liquid calcium source	Stregthrins fruit structure & cell walls
Corrects calcium deficiency and dissorders such blossom end rot, bitter pit, and tip burn	Improves tolerance to drought & salinity stress
Raises soil pH in acidic conditions	Improved mobility within the plant
Rapid foliar nutrient absorption	Immediate availability compared to granular lime

DOSES & APPLICATION :

Crops	Stage	Reason	Dose
Vegetables & Field Crops	After Transplanting 35 days & after those 10days interval. In field Crop – after 25days	Improves plant bacterial deficiency	2 ML per Liter
Grapes	Rachi Elongation, Sizing Stage	Size & Lustre, Increase strength of plants, Smoothness to fruits	2 ML per Liter
Pomegranate	Flowering, Setting, Sizing, & Colour Development	Lustre and Size, Smoothness to fruits	2 ML per Liter
Flowers	Bud, flowering	Improves plant bacterial deficiency	2 ML per Liter
Plantation	Pre flowering & Fruit Development	Improves plant bacterial deficiency	2 ML per Liter

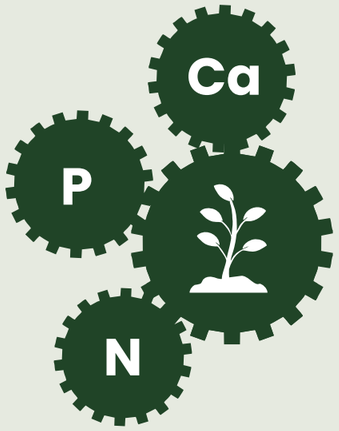
Gaelic™

The Architect – Cell Binding Element



VIETNAM

FOSKAGROW Engine of Plant Growth



Foska Grow plays a critical role in plant energy transfer primarily by providing a highly water-soluble source of phosphorus. It enhances energy metabolism by supplying phosphorus to produce Adenosine Triphosphate (ATP), the primary energy carrier in plant cells.

KEY BENEFITS :

ATP Production & Energy Transfer	Photosynthesis and Growth	Calcium Synergy
Soluble Phosphorus Source	Enhanced Photosynthesis	Cell Wall Strength
ATP synthesis	Carbon Fixation	Ion Regulations
Energy Transport	Root & Shoot Development	Stress Resistance

DOSAGE & APPLICATION :

Crop Type	Dosage & Application	Time of Application
Vegetables	2–3 ml / litre	Vegetative stage, flowering, fruit development
Fruit Crops	2–3 ml / litre	Pre-flowering & fruit development
Field Crops	2 ml / litre	Early growth & flowering stage
Plantation Crops	2–3 ml / litre	Pre-flowering & fruit development
Flowers	2–3 ml / litre	Strong Stem Development and good Petal Strength

DRIP / FERTIGATION :

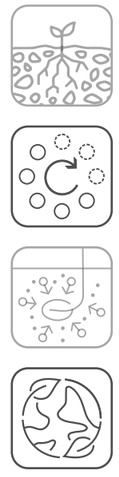
Crop Type	Dosage per Acre	Frequency
Vegetables	1–1.5 litre	2–3 applications
Fruit crops	1.5–2 litre	As per growth stage

Foskagrow™

Engine of plant growth







PRIMA START Lightening of Nutrients



High-Efficacy Water-Soluble Fertilizer (N14–P5.8–K18.5 + 10.5 CaO + 1 MgO + Trace Elements)

Prima Start is a high-efficacy, water-soluble, and chloride-free nutrient solution designed to enhance plant growth during flowering and fruiting stages. With readily available nitrate nitrogen, along with high potassium and calcium, it promotes vigorous growth, improves fruit size, colour, taste, and overall yield. It strengthens cell walls, enhances fruit firmness, and helps prevent disorders like blossom end rot, while magnesium supports chlorophyll production for efficient photosynthesis. Its low salt index makes it safe for fertigation and foliar application, and its slightly acidic nature improves nutrient uptake in alkaline soils. Enriched with trace elements, Prima Start also boosts plant metabolism, reduces flower and fruit drop, and improves resistance to stress conditions like drought.

BEST USES & BENEFITS ON PLANTS

- **Fast Nutrient Uptake:** Ensures quick absorption and better efficiency, especially in foliar application.
- **Stress Resistance:** Improves tolerance to pests, diseases, and stresses like drought and frost.
- **Flowering:** Ideal during flowering and fruiting stages to improve development and quality.
- **Alkaline Soils:** Its slightly acidic nature helps neutralize alkaline soils and improves nutrient availability.
- **Rapid Growth & Higher Yield:** Nitrogen promotes vigorous growth, while potassium enhances fruit development & yield.
- **Improved Fruit Quality:** Calcium strengthens cell walls and prevents cracking, while potassium improves color, taste, and shelf life.
- **Enhanced Chlorophyll Production:** Magnesium supports photosynthesis for healthy green foliage.
- **Foliar Application & Fertigation:** Suitable for greenhouse and open field use on fruits, vegetables, and flowers.

TP TECHNOLOGY & ITS BENEFITS

TP Technology enhances the plant's internal water pressure, improving overall plant strength and stress tolerance.

- Structural Rigidity: Maintains optimal cell turgor pressure, helping plants stay upright, firm, and healthy.
- Enhanced Drought Resistance: Supports better water management within the plant. Potassium helps regulate stomatal activity, reducing water loss while maintaining photosynthesis under dry conditions.
- Reduced Transplant Shock: Promotes rapid hydration and recovery during transplantation, ensuring better plant survival and establishment.
- Improved Cell Expansion: Increased internal pressure supports faster cell expansion, resulting in vigorous growth and a more robust plant structure.

DOSES & APPLICATION :

Crops	Stage	Reason	Spray	Drip
Vegetables	20 days after Transplanting, for new flush	For fast Growth & Tillering	2-3 GM Per Liter	3-4 KG Per Acre
Fruit Crops	After setting stage	For Good Size & Growth	2-3 GM Per Liter	3-4 KG Per Acre
Plantation Crops	New Flush & Fruit development	For New Flush & Strong Fruit development	2-3 GM Per Liter	3-4 KG Per Acre
Field Crops	30 Days After Sowing	For fast Growth & Tillering	2-3 GM Per Liter	

Prima Start™

Lightening of Nutrients



NETHERLANDS

TILL FORCE

Powered by TP Technology
with – Strong Strength



10.5-42.5-9.5 (N-P-K)
enriched with trace elements

Till Force is a specialized Powered by TP Technology enriched with trace elements high-phosphorus, water-soluble fertilizer enriched with trace elements and powered by advanced TP Technology. It is designed for rapid nutrient uptake and is highly effective in promoting root development, flowering, and fruit set, while strengthening plants against stress by enhancing internal turgor pressure.

CORE BENEFITS OF TILL FORCE

• This high-phosphorus formulation is ideal for early growth stages, transplantation, and reproductive phases, where rapid nutrient availability is critical.

• **Intense Rooting & Establishment:** Till Force promotes root elongation, branching, and density, enabling plants to establish quickly and access deeper water and nutrients.

• **Superior Flowering & Fruiting:** Enhances flower initiation, reduces fruit drop, and improves fruit size and quality. It is highly suitable for fruits, vegetables, and flowering crops.

• **High Phosphorus Availability Technology:** Being 100% water-soluble (often with an acidic pH), it ensures phosphorus remains available even in alkaline soils, where it would typically become fixed or unavailable.

• **Trace Element Enrichment:** Fortified with essential micronutrients such as Zinc, Boron, and Iron, it prevents deficiencies that can lead to stunted growth during critical development stages.

• **Fast Action & Energy Transfer:** Phosphorus plays a key role in ATP (adenosine triphosphate) production—the energy currency of plants—making Till Force highly effective during energy-intensive growth phases.

DOSES & APPLICATION :

Crops	Stage	Reason	Spray	Drip
Vegetables	30 days after Transplanting, for new flush	For fast Growth, Branching & Flowering	2-3 GM Per Liter	3-4 KG Per Acre
Fruit Crops	After setting stage	For Good Size & Growth	2-3 GM Per Liter	3-4 KG Per Acre
Plantation Crops	New Flush & Fruit development	For New Flush & Strong Fruit development	2-3 GM Per Liter	3-4 KG Per Acre
Field Crops	30 Days After Sowing	For fast Growth & Tillering	2-3 GM Per Liter	

Till Force™

Powered by TP Technology with – Strong Strength





NETHERLANDS

VELKO Big Fruit – Designed with PA Technology

N 0: P 50: k 30

Velko a fertilizer with a Designed with PA technology ensures that phosphorus, which is often immobile in soil, remains accessible to the plant, making it highly effective for strengthening roots and maximizing flowering and fruiting.

BENEFITS OF VELKO

- **Boosts Flowering and Fruit Set:** Velko directly supports energy transfer, enhancing flower development and ensuring a higher rate of fruit set (1.3.8, 1.4.8).
- **PA TECHNOLOGY benefits A " higher rate of fruit set " 1.3.8, 1.4.8:** refers to a greater percentage of flowers successfully transitioning into young fruit. Fruit set is the crucial step where a pollinated flower stops growing as a flower and begins growing into some fruit.
- **Maximizes Yield and Size:** Velko make this formula ideal for "sink filling" (reproduction phase), leading to larger, more succulent fruits and vegetables.
- **Promotes Robust Root Development:** Velko acts as a root booster, strengthening the plant's foundational root system, especially in young plants or plants recovering from stress.
- **Increases Environmental Stress Tolerance:** Velko strengthens cell walls, helping plants resist drought, heat, cold, and disease.
- **Improved Nutrient Efficiency:** The high PA technology often involves water-soluble ingredients or nanotech methods, ensuring that plants take up nutrients efficiently rather than suffering from nutrient leaching (common in sandy soils).
- **Ideal for Final Growth Stages:** Lacking nitrogen (N), this fertilizer prevents leafy growth during the flowering/fruiting phase, encouraging the plant to put all its energy into production.

PA TECHNOLOGY

- **Water Solubility:** These formulations, often based on highly efficient sources such as potassium sulfate, are completely water-soluble. This ensures quick and uniform dissolution, making them highly suitable for modern application methods like foliar spraying and drip irrigation (fertigation). As a result, nutrients are delivered directly to the plant system with maximum efficiency and minimal loss.
- **Reduced Phosphorus Fixation:** In conventional fertilizers, phosphorus tends to react with elements like calcium and iron in the soil, forming insoluble compounds that are unavailable to plants. Advanced high-availability technologies are designed to minimize this fixation process, keeping phosphorus in a plant-available form for a longer duration. This significantly improves nutrient use efficiency and ensures consistent plant uptake, even in challenging soil conditions.
- **Low Salt Index:** These fertilizers are carefully formulated with a low salt index, making them safe for direct application on plant foliage. This reduces the risk of leaf burn or phytotoxicity, even with repeated applications. Consequently, farmers can apply the product more frequently to meet crop demands without causing stress or damage to the plant.

DOSES & APPLICATION :

Crops	Stage	Reason	Spray	Drip
Vegetables	Flowering & Setting Stage	For Flowering & Setting	2-3 GM Per Liter	3-4 KG Per Acre
Fruit Crops	Sizing Stage	Sizing & Colour Development Stage	2-3 GM Per Liter	3-4 KG Per Acre
Plantation Crops	Flowering & Fruiting stage	Setting & Sizing Stage	2-3 GM Per Liter	3-4 KG Per Acre
Field Crops	Flowering & Setting Stage	For Flowering & Setting	2-3 GM Per Liter	

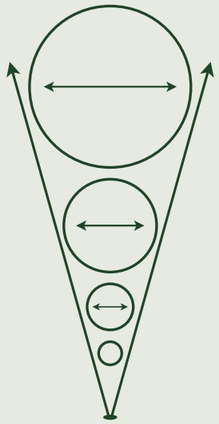
Velko™

Big Fruit – Designed with PA Technology



SPAIN

QUALISTOM Creating Cellular Hydration in Plant



Qualistom is an advanced fertilizer formulation powered by TP Technology, delivering a high concentration of readily available K_2O. It is specifically designed for the rapid maturation, flowering, & fruiting stages of plant growth. Its core strength lies in accelerating potassium absorption to optimize plant turgor pressure, ensuring stronger, healthier, and more productive crops.

KEY BENEFITS OF QUALISTOM

- **Rapid Potassium Absorption:** Qualistom is formulated for immediate uptake, being 100% water-soluble & readily available to crops. This makes it highly effective during short, high-demand periods such as flowering and fruit set.
- **Enhanced Turgor Pressure & Plant Rigidity:** Potassium plays a vital role in osmosis, facilitating water movement into plant cells and generating turgor pressure (TP). This helps plants remain firm, upright, & more resistant to wilting.
- **Improved Fruit Quality & Size:** Qualistom promotes higher accumulation of sugars and starches, resulting in larger, sweeter, and more uniformly colored fruits. It is especially beneficial for fruit-bearing crops.
- **Drought and Stress Tolerance:** High potassium levels help regulate stomatal activity (opening & closing), reducing water loss and enabling plants to better withstand drought, diseases, and pest pressure.
- **Balanced Nutrition without Excess Growth:** With zero nitrogen (N_0) and phosphorus (P_0), this formulation prevents excessive vegetative growth and directs plant energy toward fruit development, without interfering with the uptake of other essential nutrients.

MODE OF ACTION QUALISTOM & TP TECHNOLOGY

1. Osmosis Regulation: Potassium (K+) acts as a "pump" (like air in a s now globe) that moves water throughout the plant.
2. Cell Swelling: By accumulating in cells, K+ pulls in water via osmosis, causing the cells to swell and exert pressure against cell walls.
3. Stomatal Regulation: Potash controls stomata (pores on leaves), enabling the plant to retain water during dry conditions, maintaining cell turgor and preventing wilting

DOSES & APPLICATION :

Crops	Stage	Reason	Spray	Drip
Vegetables	Setting & Sizing Stage	For Setting & Sizing	2-3 GM Per Liter	3-4 KG Per Acre
Fruit Crops	Sizing & Colour Development stage	Sizing & Colour Development Stage	2-3 GM Per Liter	3-4 KG Per Acre
Plantation Crops	Flowering & Fruiting stage	Setting & Sizing Stage	2-3 GM Per Liter	3-4 KG Per Acre
Field Crops	Flowering & Setting Stage	For Flowering & Setting	2-3 GM Per Liter	

Qualistom™

Creating Cellular Hydration in Plant



CHILE



+91 99605 85043 | contact@sylvarise.com

D-402, Metrolife Maxima, Mumbai Bengaluru Highway,
Pimpri Chinchwad, Maharashtra 411033.

www.sylvarise.com