



Biological & Organic Crop Solutions

Innovative Solutions for Healthier Crops and Sustainable Agriculture.

Protection • Nutrition • Soil Health • Productivity



<https://www.agro-next.com/>





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About Agronext



About Agronext

Driven by Science. Inspired by Nature.

Agriculture is evolving and so are the challenges faced by modern farmers. Increasing pest resistance, declining soil fertility, changing climatic conditions, and the growing demand for residue-free produce require innovative and sustainable solutions.

AgroNext International Pvt. Ltd. develops biological and organic agricultural technologies that help growers improve crop health, strengthen soil productivity, and achieve higher yields while promoting environmentally responsible farming practices.

Our comprehensive portfolio includes biological crop protection products, organic fertilizers, crop nutrition solutions, biostimulants, nutrient management products, and sustainable weed management technologies. Every solution is developed to deliver reliable field performance while supporting long-term agricultural sustainability.

With a strong commitment to innovation, quality, and technical excellence, AgroNext partners with farmers, distributors, agronomists, and agricultural professionals to deliver practical solutions that improve productivity and create lasting value for modern agriculture.



Vision Mission & Values



Our Vision

To become a globally trusted leader in biological and organic agricultural solutions by delivering innovative technologies that improve crop productivity, strengthen soil health, and support sustainable farming worldwide.

Our Mission

To develop scientifically advanced agricultural solutions that enable farmers to protect crops naturally, improve soil fertility, optimize plant nutrition, and maximize productivity while preserving environmental resources for future generations.





Our Values

INNOVATION

Developing advanced biological technologies that address the changing needs of modern agriculture.

QUALITY

Delivering consistent, reliable and high-performance products that farmers can trust

SUSTAINABILITY

Promoting environmentally responsible farming practices that protect natural ecosystems and improve soil health

PARTNERSHIP

Building long-term relationships with growers, distributors and agricultural professionals through technical expertise and dependable support.



Product Categories



Product Categories

Comprehensive Solutions for Sustainable Crop Production

AgroNext offers an integrated portfolio of biological and organic agricultural solutions designed to address every critical stage of crop production. From crop protection and disease management to soil health, plant nutrition, and sustainable weed control, each product category has been developed to help growers improve productivity while supporting environmentally responsible farming.





CROP NUTRITION

Specialized nutritional products that correct deficiencies and support vigorous vegetative growth, flowering, fruit development, and overall crop performance. Innovative biological technologies that improve nutrient availability, nutrient-use efficiency, and long-term soil fertility.



ORGANIC FERTILIZER

Organic nutrient formulations that improve soil fertility, enhance microbial activity, and promote balanced plant development.



BIOSTIMULANT

Advanced biological formulations that stimulate root development, improve nutrient uptake, increase stress tolerance, and enhance crop productivity.



INSECT, NEMATODE AND DISEASE MANAGEMENT

Biological solutions for the effective management of economically important insect pests and plant-parasitic nematodes.

Advanced biological products designed to suppress fungal and bacterial diseases while supporting healthier crop growth.



WEED MANAGEMENT

Sustainable weed management solutions developed to reduce weed competition and support healthy crop establishment.



Crop Nutrition



Nutrition That Builds the Crop and the Soil

Effective crop nutrition is more than supplying nutrients to the plant. Healthy crop development depends on nutrient availability, active soil biology, efficient nutrient cycling, and a functioning root system.

AgroNext's Crop Nutrition range combines organic carbon technologies and specialised nutritional formulations designed to support soil microbial activity, improve nutrient availability, strengthen plant growth, and maintain productive soils throughout the crop cycle.

These solutions can be integrated into existing fertility programmes and are suitable for plantation crops, orchards, vegetables, horticulture, and other intensive production systems.





Nutrix

LFOM Organic Carbon Soil Nutrition

Product Type: **ORGANIC**



Product Overview

NUTRIX is a liquid organic carbon soil nutrition product based on AgroNext's proprietary LFOM technology. It supports both the crop and the native soil microbiome by supplying soluble organic carbon that stimulates microbial activity and improves nutrient cycling. It is designed to help restore biological activity in soils affected by intensive or chemical-dependent farming while fitting alongside existing fertility programmes.

Suitable Crops

Plantation Crops

Coffee, Tea

Orchard & Fruit Crops

Avocado, Macadamia, Mango, Citrus, Banana, Passion Fruit

Vegetables & Horticulture

Tomato, French Beans, Onion, Cabbage, Capsicum, Kale, Potato, Okra



Key Benefits

- Builds soil organic carbon with regular application.
- Stimulates native beneficial microbial populations.
- Improves nutrient cycling and long-term soil productivity.
- Supports soil biological activity without disrupting existing fertility programmes.
- Suitable for drip, flood irrigation, and foliar application.

Recommended Application

Drip/Flood Irrigation: 2.0 L/acre | 5.0 L/ha

Frequency: Every 15–20 days

Foliar Spray: 3 ml/L water

Frequency: Every 15–20 days

How It Works

Carbon Delivery

The LFOM matrix supplies soluble organic carbon fractions to the soil.

Microbial Activation

These carbon compounds provide an immediate energy source for soil microorganisms, encouraging microbial multiplication.

Nutrient Chelation

Fulvic acid fractions help chelate essential nutrients and support their movement towards the plant root system.



Best Time to Apply

Use throughout the crop cycle according to crop requirement, with regular applications to maintain soil biological activity and nutrient cycling.

Field Recommendations

Combine with **AGRONEX** for accelerated soil restoration in fields transitioning towards biological management.





Agronex

Liquid LFOM Bio Growth Promoter

Product Type: **ORGANIC**



Product Overview

AGRONEX is a liquid LFOM-based organic growth promoter designed to support plant growth while improving biological activity in the soil. Its organic carbon technology helps stimulate microbial activity and nutrient cycling, creating a more productive root-zone environment

Suitable Crops

Recommended for plantation crops, orchard and fruit crops, vegetables, horticultural crops, and other crops requiring improved soil biological activity.

How It Works

AGRONEX delivers bioavailable organic carbon into the soil environment, providing an energy source for beneficial microorganisms. Increased microbial activity supports nutrient cycling and helps create a more biologically active root zone.

Key Benefits

- Supports vigorous plant growth.
- Improves soil biological activity.
- Enhances nutrient cycling and availability.
- Supports soil organic carbon development.
- Complements existing fertility and biological nutrition programmes.
- Suitable for long-term soil and crop management.

Recommended Application

Apply according to crop requirement and the recommended AgroNext technical programme.

Best Time to Apply

Particularly suitable during establishment, vegetative development, and periods when improved soil biological activity is required.

Field Recommendations

Use with **NUTRIX** as part of a broader soil restoration programme where improved organic carbon and microbial activity are required.





Carborich

Liquid Organic Carbon Soil Conditioner

Product Type: **ORGANIC**

Product Overview

CARBORICH is an organic carbon-based soil conditioner designed to improve soil biological activity and support healthier crop growth. It provides a source of bioavailable carbon that encourages microbial multiplication and contributes to improved soil fertility and nutrient cycling.



Suitable Crops

Recommended for orchard and fruit crops, plantation crops, vegetables, horticultural crops, and other crops requiring improved soil biological activity.

How It Works

Bioavailable carbon fractions provide energy to native soil microorganisms. As microbial activity increases, nutrient cycling and biological processes within the root zone are enhanced, creating a more favourable environment for crop development.

Key Benefits

- Increases bioavailable organic carbon in the soil.
- Supports beneficial microbial multiplication.
- Improves nutrient cycling.
- Helps restore soils affected by intensive cultivation.
- Supports improved soil and crop vigour.
- Suitable for integration into organic and biological farming programmes.

Recommended Application

Apply through irrigation or soil application according to crop requirement and the recommended technical programme.

Best Time to Apply

Use regularly during the growing season to maintain biological activity and support continuous soil improvement.

Field Recommendations

CARBORICH can form part of a broader soil nutrition programme alongside biological nutrient and biostimulant products.



Carborich Pro

High-Carbon LFOM Organic Soil Nutrition

Product Type: **ORGANIC**

Product Overview

CARBORICH PLUS is a higher-organic-carbon formulation based on the LFOM technology used in CARBORICH. It is designed for intensive cropping systems where faster soil biological recovery and increased organic carbon availability are required.



Suitable Crops

Orchard & Fruit Crops

Avocado, Macadamia, Mango, Citrus, Banana, Passion Fruit

Floriculture

Roses, Carnations, Chrysanthemum, Hypericum

How It Works

Elevated Carbon Supply

A higher concentration of bioavailable carbon provides an increased energy source for soil microorganisms.



Accelerated Microbial Activity

The additional carbon stimulates microbial multiplication and biological activity.

Soil Rejuvenation

Increased biological activity supports faster improvement of soil conditions and nutrient cycling.

Key Benefits

- Provides a higher concentration of organic carbon.
- Supports rapid multiplication of beneficial soil microorganisms.
- Promotes faster improvement of biological soil activity.
- Designed for intensive and high-value cropping systems.
- Suitable for premium export-oriented fruit and floriculture programmes.
- Supports soil and crop vigour within organic management systems.

Recommended Application

Drip/Flood Irrigation: 10.0 L/acre | 25.0 L/ha

Frequency: Every 10–15 days depending on crop stage.

Best Time to Apply

Use during active crop growth and periods when increased soil biological activity and organic carbon availability are required.





Nitrofix

Azospirillum / Rhizobium Bio Nitrogen-Fixer

Product Type: **BIO**



Product Overview

NITROFIX is a biological nitrogen-fixing fertilizer available in Nodulating, Associative, and Free-Living forms. It converts atmospheric nitrogen into a plant-available form, helping improve nitrogen supply while reducing dependence on synthetic nitrogen fertilizers.

Suitable Crops

Plantation Crops

Coffee, Tea

Field Crops

Maize, Sugarcane, Sweet Potato, Beans

Vegetables & Horticulture

Beans, French Beans



Mode of Action

Root & Soil Colonization

The bacterial strains establish either symbiotically within root nodules or freely within the rhizosphere.

Nitrogen Fixation

The nitrogenase enzyme system converts atmospheric nitrogen into ammonium, a plant-available form.

Plant Delivery

Fixed nitrogen becomes available to support chlorophyll synthesis and photosynthetic activity.

Key Benefits

- Fixes atmospheric nitrogen at 20-40 kg/hectare depending on strain type.
- Can reduce synthetic nitrogen fertilizer requirements by up to 25%.
- Available in three variants matched to crop type.
- Improves plant vigour and supports soil biological activity.
- Helps reduce fertilizer input costs for both smallholder and estate farming systems.

Recommended Application

Seed Treatment: 10 g/kg seed

Frequency: Once, before sowing

Soil / Drip Application: 3 kg/acre | 7.5 kg/ha

Timing: At planting



Best Time to Apply

Apply at planting or before sowing, depending on the application method, to establish nitrogen-fixing activity early in the crop cycle.

Field Recommendations

Pair with **PHOSFIX** and **KALIFIX** as part of a complete biological NPK nutrition programme designed to reduce dependence on synthetic fertilizers.





Kalifix

Frateuria aurantia Bio Potash-Mobilizer

Product Type: **BIO**



Product Overview

KALIFIX is a biological potassium-mobilizing product formulated with *Frateuria aurantia*. It helps unlock potassium already present in the soil but chemically fixed within soil minerals, converting it into a plant-available form. Improved potassium availability supports important plant functions and helps crops tolerate heat and drought stress.

Suitable Crops

Plantation Crops

Coffee, Tea

Orchard & Fruit Crops

Avocado, Macadamia, Mango, Citrus, Banana, Passion Fruit

Field Crops

Sugarcane, Banana



Mode of Action

Mineral Dissolution

Frateruria aurantia produces organic and inorganic acids that dissolve potassium-bearing soil minerals.

Potassium Release

Acidolysis and chelation processes release fixed potassium into the soil solution.

Plant Uptake

Released potassium becomes available for root absorption and essential enzymatic functions.

Key Benefits

- Solubilizes and mobilizes potassium locked in soil minerals.
- Can reduce potash fertilizer requirements by 25–30%.
- Supports enzymes involved in photosynthesis and respiration.
- Improves crop tolerance to drought and heat stress.
- Organic certified and designed to support soil ecological balance.

Recommended Application

Application dosage and frequency should follow the finalized AgroNext technical recommendation.



Best Time to Apply

Apply during active crop growth when potassium availability is required to support crop development and stress tolerance.

Field Recommendations

Use as part of a biological nutrient management programme alongside nitrogen- and phosphorus-mobilizing products where a complete biological NPK approach is required.

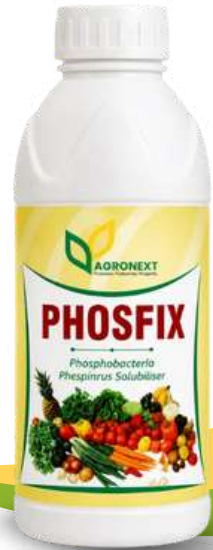




Phosfix

Bacillus / Phosphate-Solubilizing Biofertilizer

Product Type: **BIO**



Product Overview

PHOSFIX is a biological phosphorus-solubilizing fertilizer designed to unlock phosphorus that is fixed in the soil and unavailable to plants. It supports the conversion of unavailable phosphorus into plant-accessible forms, improving phosphorus nutrition and supporting root development.

Suitable Crops

Plantation Crops

Coffee, Tea

Orchard & Fruit Crops

Avocado, Macadamia, Mango, Citrus, Banana, Passion Fruit

Field Crops

Maize, Sugarcane, Sweet Potato, Beans



Mode of Action

Phosphate-solubilizing microorganisms colonize the soil and produce organic acids and other compounds that act on fixed phosphorus compounds. This helps release phosphorus into the soil solution, where it can be absorbed by plant roots.

Key Benefits

- Mobilizes phosphorus already present in the soil.
- Helps reduce phosphorus fixation.
- Improves phosphorus availability in the root zone.
- Supports stronger root development and crop establishment.
- Complements other biological nutrient-management products.

Recommended Application

Apply through soil or root-zone application according to the finalized AgroNext technical recommendation.

Best Time to Apply

Apply at planting or during early crop development to establish biological phosphorus-mobilizing activity around the developing root zone.



Field Recommendations

Use alongside **NITROFIX** and **KALIFIX** as part of a complete biological NPK programme.



Octamin

Zn · Fe · B · Cu · Mn Chelated Micronutrient Fertilizer

Product Type: **NUTRI**

Product Overview

OCTAMIN is a chelated micronutrient formulation designed to correct five key micronutrient deficiencies: zinc, iron, boron, copper, and manganese.

It provides flexible nutrient delivery through both foliar and soil applications and supports important crop stages including vegetative development, flowering, and fruit setting.



Suitable Crops

Plantation Crops

Coffee, Tea

Orchard & Fruit Crops

Avocado, Macadamia, Mango, Citrus, Banana, Passion Fruit

Floriculture

Roses, Carnations, Chrysanthemum, Hypericum

Vegetables & Horticulture

Tomato, French Beans, Onion, Cabbage, Capsicum, Kale, Potato, Okra



Mode of Action

Foliar & Root Absorption

Micronutrients are absorbed through leaf tissue or the root system depending on the application method.

Metabolic Activation

Once absorbed, the micronutrients support essential plant metabolic processes.

Growth Support

These processes contribute to chlorophyll formation, enzyme activity, reproductive development, and overall plant growth.

Key Benefits

- Corrects five key micronutrient deficiencies in a single application.
- Available for both soil and foliar application.
- Supports uniform flowering and fruit setting.
- Compatible with chemical fertilizers, pesticides, and biostimulants.
- Improves overall nutrient-use efficiency throughout the crop cycle.

Recommended Application

Foliar Spray: 2.0 L/acre | 5.0 L/ha

Timing: Vegetative, flowering, and fruit-setting stages

Soil Application (Basal): 2.0 kg/acre | 5.0 kg/ha

Timing: At planting or as a basal application



Best Time to Apply

Use during vegetative development and at critical flowering and fruit-setting stages when micronutrient demand is high.

Field Recommendations

Apply alongside **TRIFIX** where both broad micronutrient correction and targeted zinc, boron, and manganese support are required.



Trifix

Chelated Zinc, Boron & Manganese Complex

Product Type: **BIO**



Product Overview

TRIFIX is a three-in-one chelated micronutrient complex formulated to correct zinc, boron, and manganese deficiencies simultaneously.

It is particularly important for crops such as avocado and macadamia, where adequate boron and micronutrient availability plays an important role in fruit set and kernel development.

Target Diseases

- Leaf Spot
- Anthracnose
- Blight Complexes

Suitable Crops

Plantation Crops: Coffee, Tea

Vegetables & Horticulture: Tomato, French Beans, Onion, Cabbage, Capsicum, Kale, Potato, Okra

Field Crops: Maize, Sugarcane, Sweet Potato, Beans



Key Benefits

- Designed for broad-spectrum foliar disease management.
- Targets important leaf spot, anthracnose, and blight complexes.
- Biological mode of action supports resistance-conscious disease management.
- Designed for residue-conscious crop production.
- Complements soil-based disease management products to support a soil-to-leaf programme.

Mode of Action

The complete mode of action is pending technical confirmation following CIB&RC registration. The product is designed to suppress foliar pathogen germination and support localized plant defence responses at the application site.

Recommended Application

Application and dosage: Pending registration and final technical confirmation.

Best Time to Apply

Application timing and frequency will be confirmed following final registration and technical approval.

Field Recommendations

Contact AgroNext for pre-launch field trial information.



Organic Fertilizer



Building Soil Fertility for Long-Term Crop Productivity

Organic fertilizers play an important role in maintaining soil fertility, improving soil structure, and supporting sustained crop nutrition. AgroNext's Organic Fertilizer range is designed to provide essential nutrients while contributing organic matter and supporting biological activity in the soil.

These formulations are particularly suited to long-cycle plantation and orchard crops, where maintaining nutrient availability and soil health throughout the growing season is essential.



Phosora

Phosphate-Rich Organic Manure (PROM)

Product Type: **ORGANIC**



Product Overview

PHOSORA is a phosphate-rich organic manure formulated to provide a slow and sustained supply of phosphorus while enriching the soil with organic matter.

Its organic matrix allows soil microorganisms to gradually release phosphorus into plant-available forms, helping synchronise nutrient availability with crop demand throughout the growing cycle. This makes PHOSORA particularly valuable in soils where phosphorus availability is limited by fixation.

Suitable Crops

Plantation Crops

Coffee, Tea

Orchard & Fruit Crops

Avocado, Macadamia, Mango, Citrus, Banana, Passion Fruit

Field Crops

Maize, Sugarcane, Sweet Potato, Beans



How It Works

Organic Matrix Release

The organic matrix acts as a carrier for phosphorus, allowing nutrients to be released gradually rather than all at once.

Microbial Activity

Soil microorganisms break down the organic matter and help release phosphorus into plant-available forms.

Sustained Nutrient Supply

The gradual release helps maintain phosphorus availability in the root zone and supports crop demand over the growing cycle.

Key Benefits

- Provides slow-release phosphorus throughout the crop cycle.
- Helps improve soil structure and water-holding capacity.
- Adds organic matter to support the soil microbiome.
- Helps reduce phosphorus fixation in tropical soils.
- Supports sustained crop nutrition.
- Suitable for use across different crop growth stages.

Recommended Application

Method: Basal Application

Dose: 500 kg/acre | 1250 kg/ha

Frequency: Once, incorporated into the soil before planting.



Best Time to Apply

Apply before planting as a basal soil application and incorporate into the soil to support nutrient availability around the developing root zone.

Field Recommendations

Apply alongside **NITROFIX** or **PHOSFIX** to further support nutrient availability and biological nutrient management in the root zone.





Soilvit

Phosphorus Deep Mineral Micronutrient Blend

Product Type: **ORGANIC**



Product Overview

SOILVIT is a mineral-based nutrient blend designed to improve the availability of phosphorus and micronutrients in deeper soil layers. It is particularly suited to deep-rooted plantation and orchard crops where active roots extend well below the surface. By delivering nutrients closer to deeper root zones, SOILVIT supports more effective nutrient access and helps address deficiencies that may not be adequately managed through conventional surface applications.

Suitable Crops

Plantation Crops

Coffee, Tea

Orchard & Fruit Crops

Avocado, Macadamia, Mango, Citrus, Banana, Passion Fruit

Field Crops

Maize, Sugarcane, Sweet Potato, Beans



How It Works

SOILVIT is positioned to move phosphorus and micronutrients into the deeper soil profile, bringing essential nutrients closer to active root zones.

This approach helps improve access to nutrients that may remain unavailable in the upper soil layer and supports more effective nutrient uptake by deep-rooted crops.

Key Benefits

- Improves phosphorus availability in deeper soil layers.
- Delivers essential micronutrients to deeper active root zones.
- Supports nutrient availability for deep-rooted crops.
- Particularly suited to coffee, tea, and avocado.
- Helps improve root-zone nutrient management.
- Complements biological nutrient-solubilizing products.

Recommended Application

Method: Soil Application

Dose: Refer to the product technical recommendation according to crop and soil conditions.

Best Time to Apply

Apply during soil preparation or at the recommended crop growth stage to position nutrients within the active root zone.



Field Recommendations

Combine with **KALIFIX** to support biological mobilisation and availability of potassium and phosphorus in deep-rooted plantation and orchard crops.





PDM Potash

Granular Potassium Fertilizer

Product Type:

Organic Fertilizer | Granular



Product Overview

Potassium where the crop needs it.

Agronext PDM Potash is a granular potassium fertilizer derived from molasses, developed to support crops during stages of high potassium demand.

Potassium is central to water regulation, photosynthesis, enzyme activity and the movement of sugars within the plant. Maintaining adequate potassium availability can therefore support stronger crop development, reproductive growth and produce quality.

Suitable Crops

Fruits • Vegetables • Grapes • Banana • Citrus • Tomato • Chilli • Onion • Potato

Also suitable for:

Cotton • Sugarcane • Other potassium-demanding crops

Why Use PDM Potash?

Supports Water Management

Helps regulate water movement and stomatal activity, supporting efficient water use by the crop.

Supports Photosynthesis & Growth

Potassium activates enzymes involved in photosynthesis and other essential plant processes.

Supports Flowering & Fruit Development

Adequate potassium availability supports the movement of assimilates towards developing flowers, fruits and storage organs.

Supports Crop Quality

Balanced potassium nutrition contributes to processes associated with fruit development, size, colour, flavour and overall quality.

Supports Stress Resilience

Adequate potassium nutrition helps crops manage periods of water limitation and temperature stress more effectively.

Compatibility

Can be incorporated into soil fertility programmes alongside compatible organic fertilizers and other soil-applied nutrient inputs.

Always confirm compatibility before combining with other products.



Mode of Action

Potassium Supply

The granular formulation supplies potassium to the soil as part of the crop's nutrient programme.

Soil Availability

After application, potassium enters the soil nutrient pool. Its availability is influenced by soil type, moisture, cation-exchange capacity and existing potassium levels.

Root Uptake

Plant roots absorb available potassium and transport it throughout the plant, where it supports water regulation, enzyme activity, photosynthesis and carbohydrate movement.

Recommended Application

Soil Application

100–200 kg/acre

Apply uniformly to the soil and incorporate according to the crop's normal fertilizer-management practice.

Application rate should be adjusted according to soil potassium status and crop requirement.

Best Time to Apply

Use according to the crop's potassium demand and overall fertility programme, with particular attention to periods of active growth, flowering and fruit development where potassium demand can increase.





Field Recommendations

PDM Potash works best as part of a **balanced nutrition programme** rather than as a standalone potassium input.

For the most appropriate application rate, consider **soil testing and crop-specific nutrient recommendations** before application.

Safety Reminder

Follow the product label and recommended application rate. Store in a cool, dry location protected from moisture.





Prom

Phosphate Rich Organic Manure

Product Type:
Organic Fertilizer | Granular



Product Overview

Phosphorus for stronger establishment and productive growth.

Agronext PROM is a granular phosphate-rich organic manure formulated to supply phosphorus while adding organic matter to the soil.

Phosphorus is essential for early root development, energy transfer, cell division, flowering and reproductive growth. By combining phosphorus nutrition with organic matter, PROM fits into soil-fertility programmes where both nutrient supply and soil condition need attention.

Suitable Crops

Fruits • Vegetables • Grapes • Banana • Citrus • Tomato • Chilli • Onion • Potato

Also suitable for:

Cotton • Sugarcane • Other potassium-demanding crops



Why Use Agronext PROM?

Supports Early Root Development

Adequate phosphorus availability is important during early growth, helping crops establish a healthy root system.

Supports Crop Establishment

Provides phosphorus during stages when the developing crop has a high requirement for energy and root growth.

Supports Flowering & Reproductive Growth

Phosphorus contributes to energy metabolism and reproductive processes, including flowering and seed development.

Adds Organic Matter

The organic component contributes to soil organic matter and can support favourable soil conditions.

Supports Soil Biological Activity

Organic material provides a substrate that can contribute to microbial activity and nutrient cycling.

Supports Soil Structure

Regular incorporation of suitable organic materials can contribute to improved soil aggregation, porosity and water-holding characteristics.

Compatibility

PROM can be incorporated into integrated soil-fertility programmes alongside compatible organic manures and other soil-applied nutrient inputs.





When combining with concentrated fertilizers, amendments or microbial products, compatibility and application timing should be evaluated based on the products being used and soil conditions.

Mode of Action

Phosphorus + Organic Matter

PROM introduces phosphorus together with organic material into the soil through its granular organic manure formulation.

Soil Interaction

The organic component interacts with the soil environment while phosphorus availability is influenced by soil pH, mineral composition, moisture, microbial activity and other soil properties.

Root Uptake

Available phosphorus is absorbed by plant roots and used in processes associated with energy transfer, root development, crop growth and reproductive development.

Recommended Application

Method: Soil Application

100–200 kg/acre

Apply uniformly to the soil and incorporate according to the crop's normal agronomic practice.

The appropriate rate and application frequency should be determined according to **crop requirement, soil condition and nutrient status.**



Recommendation: Soil testing and crop-specific nutrient recommendations should be considered for precise phosphorus management.

Best Time to Apply

PROM can be incorporated into the soil according to the crop's fertility programme, with particular importance during crop establishment and early root development.

Application timing should be adjusted according to crop, soil condition and the overall nutrient-management programme.

Field Recommendations

- Use PROM as part of a balanced soil-fertility programme.
- Consider phosphorus together with nitrogen, potassium, secondary nutrients and micronutrients.
- Incorporate into the soil according to the crop's normal agronomic practice.
- Use soil testing where available to determine phosphorus requirements.
- Avoid excessive application that could create nutrient imbalances.
- When combining with other fertilizers, amendments or microbial products, consider product compatibility and application timing.



Safety Reminder

Follow the product label and recommended application rate. Store Agronext PROM in a cool, dry location protected from excessive moisture. Use crop- and soil-specific nutrient recommendations wherever available.





Silicon - 75

Diatomite-Based Granular Silicon Soil Conditioner

Product Type:
**Organic Fertilizer |
Soil Conditioner**



Product Overview

Silicon support for stronger plants and greater crop resilience.

Agronext Silicon-75 is a diatomite-based granular soil conditioner formulated to supply plant-available silicon through the soil.

Silicon is a beneficial element for many crops and can contribute to stronger plant structure, healthy root development and improved tolerance to environmental stresses. Silicon-75 can be incorporated into an integrated soil and crop nutrition programme to support plant development, nutrient utilization and crop resilience.

Suitable Crops

Primary Crops

Rice • Wheat • Sugarcane • Maize • Cotton

Additional Crops

Vegetables • Fruits • Plantation Crops • Horticultural Crops



Crop response depends on crop species, soil silicon status, soil characteristics, environmental conditions and the overall nutrient-management programme.

Why Use Agronext Silicon-75?

Supports Stronger Plant Structure

Silicon deposited within plant tissues can contribute to stronger stems and leaves, supporting overall plant architecture.

Supports Root Development

Adequate silicon availability can support healthy root growth and help plants maintain effective water and nutrient acquisition.

Supports Stress Tolerance

Silicon nutrition has been associated with improved plant responses to stresses such as drought, salinity and temperature stress in several crops.

Supports Crop Resilience

Silicon can contribute to stronger physical and physiological barriers within plants, supporting resilience under challenging growing conditions.

Supports Upright Growth

Improved stem strength and structural integrity can help crops maintain upright growth and reduce lodging susceptibility where lodging is a concern.

Supports Nutrient Utilization

Healthy plant physiological function can contribute to more effective utilization of nutrients within a balanced crop nutrition programme.



Compatibility

Silicon-75 can be incorporated into soil-fertility programmes alongside compatible organic fertilizers and other soil-applied nutrient inputs.

When combining it with other fertilizers or soil amendments, consider the formulation, application rate and soil characteristics. Confirm compatibility before large-scale combined application.

Mode of Action

Silicon Supply

Silicon-75 supplies silicon through a granular, diatomite-based soil conditioner.

Soil Interaction

After application, silicon becomes part of the soil system. Its availability depends on factors including soil properties, moisture, pH, mineral composition and the form of silicon present.

Plant Uptake

Available silicon is absorbed through the roots and transported within the plant. In many crops, silicon can accumulate in plant tissues where it contributes to structural reinforcement and stress-response mechanisms.



Recommended Application

Method: Soil Application

50-100 kg/acre

Apply uniformly to the soil and incorporate according to the crop's normal soil-application practice.

The appropriate rate should be selected according to **crop requirement and soil conditions**.

Best Time to Apply

Apply according to the crop's soil and nutrient-management programme. Application timing should take into account the crop's silicon requirement, soil condition and the overall fertility programme.

Field Recommendations

- Use Silicon-75 as part of an integrated soil and crop nutrition programme.
 - Consider soil characteristics and crop-specific requirements when selecting the application rate.
 - Use alongside balanced macronutrient and micronutrient management.
 - Consider soil silicon status where suitable testing is available.
 - Avoid excessive application or unnecessary accumulation of multiple soil amendments.
 - Incorporate uniformly into the soil according to normal agronomic practice.
- 



Safety Reminder

Follow the product label and recommended application rate. Store Agronext Silicon-75 in a cool, dry location protected from excessive moisture. Use crop- and soil-specific agronomic recommendations wherever available.





Neem Powder

Neem Seed-Based Organic Soil Amendment

Product Type:
Organic Fertilizer



Product Overview

Neem-based support for healthier soil and integrated root-zone management.

Agronext Neem Powder is a neem seed-based organic soil amendment formulated to contribute organic matter and naturally occurring neem compounds to the soil.

Neem seed materials contain organically bound nutrients and bioactive compounds, including limonoids such as azadirachtin. When incorporated into the soil, neem-based materials can support soil fertility and root-zone health while contributing to integrated management of certain soil-dwelling pests, including plant-parasitic nematodes.

Agronext Neem Powder can be incorporated into an integrated soil-health, crop-nutrition and pest-management programme to support healthy root development, nutrient cycling and crop resilience.

Why Use Neem Powder?

Supports Integrated Nematode Management

Neem-based soil amendments can contribute to the management of certain plant-parasitic nematodes as part of an integrated crop-protection programme.

Supports Root-Zone Health

The addition of neem-derived organic material can contribute to a healthier soil environment around the root zone, supporting root development and crop establishment.

Provides Organic Matter & Nutrients

Neem seed material contains organic matter and organically bound nutrients that can contribute to soil fertility when incorporated into a balanced nutrient-management programme.

Supports Soil Biological Activity

The organic fraction of neem seed material can provide substrates that contribute to microbial activity and nutrient cycling within the soil.

Supports Botanical Pest Management

Naturally occurring neem compounds, including azadirachtin where present, have been studied for antifeedant and insect-growth-regulating effects. Neem-based inputs can therefore complement broader integrated pest-management strategies.

Supports Nutrient Cycling

Organic matter addition and biological activity within the soil can contribute to nutrient cycling and more effective nutrient management when combined with balanced fertilization.





Supports Sustainable Crop Production

Neem-based soil inputs can form part of integrated crop-management programmes designed to improve soil health and reduce unnecessary dependence on repeated conventional inputs.

Suitable Crops

Primary Crops

Vegetables • Fruits • Plantation Crops • Spices • Flowers

Additional Crops

Nursery Plants • Field Crops • Greenhouse Crops

Agronomic response will depend on crop species, soil characteristics, pest pressure, application rate, environmental conditions and the overall soil and crop-management programme.

Compatibility

Agronext Neem Powder can be incorporated into soil-fertility programmes alongside compatible organic fertilizers, composts and other soil-applied inputs.

When combining neem-based materials with microbial products or other biological inputs, consider **application timing, formulation and product compatibility**. Where possible, follow the technical recommendations for each product and confirm compatibility before large-scale combined application.





Mode of Action

Organic Material Enters the Soil

Agronext Neem Powder introduces neem-derived organic material and naturally occurring plant compounds into the soil.

Root-Zone Interaction

Following incorporation, the neem material interacts with the soil environment and undergoes decomposition, contributing organic matter and nutrients while releasing naturally occurring neem compounds.

Integrated Pest & Soil Support

Neem-derived compounds can contribute to the management of certain soil-dwelling pests, while the organic fraction supports soil fertility, microbial activity and nutrient cycling.

The overall response depends on the neem material, soil conditions, pest pressure, application rate and the wider crop-management programme.

Recommended Application

Method: Soil Application

50-100 kg/acre

Apply uniformly to the soil, particularly around the crop root zone, and incorporate according to the crop's normal soil-application practice.

The appropriate rate should be selected according to **crop requirement, soil conditions and pest pressure.**





For crops experiencing significant nematode or soil-pest pressure, use Agronext Neem Powder as one component of an integrated pest and soil-health management programme, rather than as a standalone control measure.

Best Time to Apply

Apply according to the crop's soil-management and nutrient-management programme.

For soil-dwelling pest management, application should be planned in relation to **crop establishment, root-zone conditions and pest pressure**, following crop-specific agronomic recommendations where available.

Field Recommendations

- Use Agronext Neem Powder as part of an **integrated soil-health and crop-management programme**.
- Incorporate the material uniformly into the soil, particularly within the active root zone.
- Consider soil characteristics, crop requirements and pest pressure when selecting the application rate.
- Combine with balanced macronutrient and micronutrient management where required.
- Use crop rotation, sanitation, biological inputs and appropriate monitoring alongside neem-based soil amendments for integrated pest management.
- Monitor crops and root-zone conditions where nematode or other soil-pest pressure is suspected.
- Avoid excessive application or indiscriminate combinations with other soil amendments or pest-management inputs.





Safety Reminder

Follow the product label and recommended application rate.
Store Agronext Neem Powder in a cool, dry location protected from excessive moisture.

Use appropriate handling practices and crop- and soil-specific agronomic recommendations wherever available.



Biostimulant



Strengthening Crops from Root to Leaf

Biostimulants support the natural processes that influence plant growth, nutrient use, stress tolerance, and overall crop performance. AgroNext's Biostimulant range includes targeted solutions for root development, foliar resilience, and plant structural strength.

These products are designed to complement crop nutrition and biological management programmes, helping plants establish stronger root systems, maintain healthier foliage, and respond more effectively to environmental stress.





Rootzyme

Oligosaccharide Bio Root-Growth Stimulant

Product Type: **BIO**



Product Overview

ROOTZYME is an oligosaccharide-based biostimulant designed to strengthen root development and overall plant growth from the earliest stages. It supports faster crop establishment, improves nutrient and water uptake, and helps plants cope with biotic and abiotic stress.

ROOTZYME is particularly valuable during nursery establishment, transplanting, and early crop development when strong root development is critical for long-term crop performance.

Suitable Crops

Plantation Crops

Coffee, Tea

Orchard & Fruit Crops

Avocado, Macadamia, Mango, Citrus, Banana, Passion Fruit

Field Crops

Maize, Sugarcane, Sweet Potato, Beans



How It Works

Root Zone Delivery

Applied around the root zone, often mixed with organic fertilizer or manure.

Root Proliferation

Oligosaccharide compounds stimulate cell division and root hair development.

Enhanced Uptake

A stronger and more extensive root system improves the plant's ability to absorb nutrients and water.

Key Benefits

- Strengthens root development and overall plant vigour.
- Encourages root proliferation and root hair development.
- Improves nutrient and water absorption capacity.
- Supports better nutrient-use efficiency.
- Helps crops withstand biotic and abiotic stress.
- Non-toxic to beneficial rhizosphere microorganisms.
- Particularly effective during nursery and transplanting stages.

Recommended Application

Method: Soil Application

Dose: 1.0 L/acre | 2.5 L/ha

Application: Mix with organic fertilizer or manure and apply around the root zone.



Best Time to Apply

Apply at planting, transplanting, or during early crop establishment when strong root development is required.

Field Recommendations

Combine with **AGRONEX** for a complete root development and soil restoration programme at the planting stage.





Foliarmor

Phyllosphere Microbiome Bio Foliar Stimulant

Product Type: **BIO**



Product Overview

FOLIARMOR is a biological foliar stimulant that establishes a beneficial microbial layer on the leaf surface, known as the phyllosphere. These beneficial microorganisms compete with foliar pathogens for space and nutrients while activating the plant's internal defence mechanisms.

FOLIARMOR is particularly suited to high-value crops and floriculture, where healthy foliage and quality blooms are essential for maintaining crop value.

Suitable Crops

Floriculture

Roses, Carnations, Chrysanthemum, Hypericum

Plantation Crops

Coffee, Tea

Vegetables & Horticulture

Tomato, French Beans, Onion, Cabbage, Capsicum, Kale, Potato, Okra



How It Works

Leaf Colonization

Beneficial microorganisms establish on the leaf surface following foliar application.

Pathogen Competition

The beneficial microbes compete with disease-causing organisms for space and nutrients.

Defence Activation

Microbial colonization triggers the plant's internal defence genes, extending protection beyond the leaf surface.

Key Benefits

- Establishes a protective beneficial microbial layer on the leaf surface.
- Competes with foliar pathogens and helps reduce disease pressure.
- Activates key plant defence responses.
- Supports seedling growth and resilience under drought stress.
- Helps maintain healthier foliage.
- Particularly suited to floriculture and high-value crops.

Recommended Application

Method: Foliar Spray

Dose: 2.0 L/acre | 5.0 L/ha

Application: 3 applications during vegetative growth, pre-flowering, and fruiting/tillering stages.



Best Time to Apply

Apply during active vegetative growth and repeat at the pre-flowering and fruiting or tillering stages as recommended.

Field Recommendations

Use alongside **TRIFIX** or **OCTAMIN** during flowering to combine foliar resilience with micronutrient support.





Silicore

Orthosilicic Acid Silicon Bio Fortifier

Product Type: **BIO**



Product Overview

SILICORE is a silicon-based biostimulant formulated with bioavailable orthosilicic acid (OSA). It is designed to strengthen plant cell walls, improve tolerance to heat and drought stress, and support long-term structural resilience.

Technical finalization is currently underway ahead of full commercial release.

Suitable Crops

Plantation Crops

Coffee, Tea

Orchard & Fruit Crops

Avocado, Macadamia, Mango, Citrus, Banana, Passion Fruit

How It Works

Silicon Uptake

Bioavailable orthosilicic acid is absorbed through root and foliar pathways.

Cell Wall Fortification

Silicon deposits reinforce plant cell wall structure, improving physical strength.

Stress Buffering

Stronger plant structures help crops better withstand heat, drought, and physical stress.

Key Benefits

- Strengthens plant cell wall structure.
- Improves tolerance to heat, drought, and water stress.
- Supports natural disease resistance through structural fortification.
- Enhances overall plant resilience.
- Complements existing biostimulant and crop nutrition programmes.

Recommended Application

Application and dosage are to be confirmed. Technical data is pending finalization.



Best Time to Apply

Apply during active vegetative growth and repeat at the pre-flowering and fruiting or tillering stages as recommended.

Field Recommendations

Contact AgroNext for pre-launch information once technical confirmation is complete.



Cropvit

Multi-Strain Bio Stimulant Growth Enhancer

Product Type: **BIO**



Product Overview

CROPVIT is a multi-strain biological growth enhancer positioned as a general-purpose solution for supporting overall plant vigour. It is designed to complement targeted biostimulants such as ROOTZYME and FOLIARMOR within integrated biological crop management programmes.

Suitable Crops

Plantation Crops

Coffee, Tea

Orchard & Fruit Crops

Avocado, Macadamia, Mango, Citrus, Banana, Passion Fruit

Vegetables & Horticulture

Tomato, French Beans, Onion, Cabbage, Capsicum, Kale, Potato, Okra

How It Works

The full mode of action is pending technical confirmation. CROPVIT's multi-strain biological base is positioned to support broad-spectrum plant vigour and complement existing root and foliar biostimulant programmes.

Key Benefits

- Multi-strain biological base for broad crop growth support.
- Supports overall plant vigour.
- Complements targeted root and foliar biostimulants.
- Suitable for integrated biological nutrition programmes.
- Designed as a general-purpose crop growth enhancer.

Recommended Application

Application and dosage are to be confirmed. Technical documentation is pending finalization.

Best Time to Apply

Apply during active vegetative growth and repeat at the pre-flowering and fruiting or tillering stages as recommended.



Field Recommendations

Contact AgroNext for pre-launch information once technical confirmation is complete.





Humicore

Humic + Fulvic Acid + Seaweed Bio Soil Conditioner

Product Type: **BIOSTIMULANT**



Product Overview

HUMICORE is a humic-fulvic-seaweed biostimulant designed to improve soil structure, water retention, root development, and nutrient uptake. It also helps buffer soil pH, supporting better nutrient availability within the root zone.

The combination of humic acid, fulvic acid, and seaweed extract provides a comprehensive approach to soil conditioning and crop development, particularly in soil-degraded and plantation crops.

Suitable Crops

Primary Crops

- Coffee
- Tea
- Avocado
- Macadamia

Additional Crops

- Roses
- Tomato
- French Beans
- Banana

- Citrus
- Passion Fruit

HUMICORE is suitable for all crops, with particular suitability for soil-degraded and plantation crops.



How It Works

HUMICORE works through three complementary actions.

Humic & Fulvic Conditioning

Humic and fulvic acids interact with soil particles to improve aggregate structure and water-holding capacity. They also help chelate nutrients, supporting their retention in the soil.

Seaweed-Driven Stimulation

Seaweed-derived compounds support root cell elongation and stress tolerance, complementing the soil-conditioning activity of humic and fulvic acids.

pH Buffering & Nutrient Uptake

The combined organic acid content helps buffer soil pH towards an optimal range, supporting the solubility and availability of micronutrients for root uptake.

Key Benefits

- Improves soil structure, aeration, and long-term soil tilth.
- Increases water retention and helps reduce irrigation stress during dry periods.
- Stimulates root growth and root hair development.
- Enhances nutrient uptake efficiency across the root zone.
- Helps buffer soil pH and maintain nutrients in a plant-available range.
- Combines humic acid, fulvic acid, and seaweed extract in one formulation.



Recommended Application

Method: Soil Drench / Drip Irrigation

Dose: To be confirmed from the technical sheet.

Frequency: To be confirmed from the technical sheet.

Best Time to Apply

Apply at the planting stage to support soil conditioning and early root development.

Field Recommendations

- Combine with ROOTZYME for a complete soil-conditioning and root-development programme.
- Can also be combined with AGRONEX at the planting stage.
- Compatible with certified organic inputs, bio-fertilizers, compost, and other AgroNext biological products.
- Can be integrated with conventional NPK programmes to support reduced dependence on synthetic fertilizers over time.
- Avoid mixing concentrated chemical solutions directly in the tank.
- Do not tank-mix with strong chemical bactericides or fungicides. Maintain a 4-5 day buffer before or after application.



Insect, Nematode & Disease Management



Insect & Nematode Management

Protecting Crops Through Biological Control

Insect pests and plant-parasitic nematodes are among the most significant challenges affecting crop productivity. They reduce plant vigor, damage roots, leaves, stems, flowers, and fruits, and can also transmit harmful plant diseases, resulting in considerable yield and quality losses.

AgroNext's Insect & Nematode Management range offers scientifically developed biological and botanical solutions that provide effective pest control while supporting sustainable farming practices. These products work through naturally occurring beneficial microorganisms and botanical extracts, helping growers manage pest populations responsibly without compromising soil health or beneficial organisms.

Designed for use across a wide range of agricultural crops, AgroNext solutions help farmers reduce pest pressure, improve crop performance, and integrate biological control into modern crop protection programs.





Benefits of AgroNext Insect & Nematode Management Solutions

- 1 Provides effective biological control of economically important insect pests and plant-parasitic nematodes.
- 2 Supports Integrated Pest Management (IPM) programmes.
- 3 Helps reduce dependence on conventional chemical pesticides.
- 4 Safe for beneficial insects, pollinators, and the environment when used as recommended.
- 5 Contributes to residue-conscious and sustainable crop production.
- 6 Suitable for use in field crops, horticultural crops, plantation crops, fruit crops, vegetable crops, and floriculture.



Verticide

Biological Insecticide

Active Ingredient

Verticillium lecanii

Minimum Count: **1 × 10⁸ CFU/g**



Product Overview

VERTICIDE is a biological insecticide formulated with the entomopathogenic fungus *Verticillium lecanii*. It provides effective control of sucking insect pests by naturally infecting and eliminating them while helping preserve beneficial insects and maintaining ecological balance within the crop ecosystem.

Target Pests

- Whiteflies
- Thrips
- Mealybugs
- Aphids
- Jassids

Suitable Crops

Recommended for use in vegetables, fruit crops, plantation crops, horticultural crops, floriculture, and other crops affected by sucking insect pests.

Key Benefits

- Provides effective biological control of major sucking insect pests.
- Reduces crop damage caused by pest feeding.
- Helps minimise the development of pesticide resistance.
- Supports Integrated Pest Management (IPM) programmes.
- Safe for beneficial insects and pollinators when used correctly.
- Contributes to sustainable crop protection.

Mode of Action

After application, fungal spores adhere to the insect body and germinate under favourable environmental conditions. The fungus penetrates the insect cuticle, multiplies within the insect, and eventually causes its death. New spores produced on infected insects continue the natural cycle of biological control within the pest population.

Recommended Application

Method: Foliar Spray

Dose: As recommended on the product label according to crop and pest intensity.

Best Time to Apply

Apply at the early stage of pest infestation for optimum control. Repeat applications may be required depending on pest pressure and field conditions



Field Recommendations

- Spray during the early morning or late afternoon.
- Ensure thorough coverage of both upper and lower leaf surfaces.
- Maintain adequate field humidity to support fungal activity.
- Avoid mixing with incompatible chemical fungicides.





Metanicide

Biological Insecticide

Active Ingredient

Verticillium lecanii

Minimum Count: 1×10^8 CFU/g



Product Overview

METANICIDE is a biological insecticide formulated with the beneficial entomopathogenic fungus *Metarhizium anisopliae*. It is developed to control soil and foliar insect pests through natural infection, providing effective pest management while supporting sustainable agricultural practices.

Target Pests

- Termites
- White Grubs
- Root Grubs
- Stem Borers
- Soil-dwelling insect pests

Suitable Crops

Recommended for use in plantation crops, field crops, fruit crops, vegetables, horticultural crops, and other crops affected by soil and stem-feeding insect pests.

Key Benefits

- Provides effective biological control of soil and stem-feeding insect pests.
- Helps reduce crop losses caused by termites and grubs.
- Establishes naturally in the soil, providing continued biological activity.
- Supports Integrated Pest Management (IPM) programmes.
- Environmentally responsible and suitable for sustainable farming systems.
- Helps maintain soil biological balance.

Mode of Action

Following application, fungal spores come into contact with the target insect, germinate, and penetrate the insect's outer body. The fungus multiplies inside the insect, leading to its mortality. Under favourable conditions, new spores are produced, helping to suppress pest populations naturally over time.

Recommended Application

Method: Soil Application / Drenching / Furrow Application

Dose: As recommended on the product label according to crop, soil conditions, and pest infestation level.

Best Time to Apply

Apply at planting or immediately after the first signs of soil insect activity. Early application improves establishment of the beneficial fungus and enhances pest control.



Field Recommendations

- Apply to moist soil for improved fungal establishment.
- Irrigate lightly after application whenever possible.
- Avoid mixing with incompatible chemical fungicides.
- Repeat application where pest pressure is high or persistent.



Entocide

Biological Insecticide

Active Ingredient

Verticillium lecanii

Minimum Count: **1 × 10⁸ CFU/g**



Product Overview

ENTOCIDE is a biological insecticide formulated with the beneficial entomopathogenic fungus *Beauveria bassiana*. It provides effective biological control of a wide range of insect pests by naturally infecting and eliminating them, making it an ideal solution for sustainable crop protection programmes.

Target Pests

- Whiteflies
- Mealybugs
- Other economically important insect pests
- Aphids
- Borers
- Thrips
- Caterpillars
- Beetles

Suitable Crops

Recommended for use in vegetables, fruit crops, plantation crops, field crops, horticultural crops, floriculture, and other crops affected by chewing and sucking insect pests.

Key Benefits

- Provides broad-spectrum biological control of economically important insect pests.
- Helps reduce crop damage caused by both chewing and sucking insects.
- Supports Integrated Pest Management (IPM) programmes.
- Helps minimise the development of pesticide resistance.
- Safe for beneficial insects and the environment when used as recommended.
- Promotes sustainable and residue-conscious crop protection.

Mode of Action

Following application, fungal spores attach to the insect's outer surface, germinate, and penetrate the cuticle. The fungus multiplies within the insect, causing mortality and producing new spores that help suppress pest populations through natural biological infection.

Recommended Application

Method: Foliar Spray

Dose: As recommended on the product label according to crop and pest infestation level.

Best Time to Apply

Apply at the initial stage of insect infestation. Early intervention and uniform spray coverage improve product performance and biological control.





Field Recommendations

- Spray during the early morning or late afternoon.
- Ensure thorough coverage of the crop canopy, including the underside of leaves.
- Maintain favourable field moisture and humidity for optimum fungal activity.
- Avoid mixing with incompatible chemical fungicides.





Nimocide

Biological Insecticide

Active Ingredient

Neem Oil (*Azadirachta indica*)



Product Overview

NIMOCIDE is a botanical insecticide formulated with premium-quality neem oil extracted from *Azadirachta indica*. It provides broad-spectrum control of sucking and chewing insect pests while supporting environmentally responsible crop protection. Its multiple modes of action help disrupt insect feeding, growth, and reproduction, making it an effective component of Integrated Pest Management (IPM) programmes.

Target Pests

- Whiteflies
- Mealybugs
- Other sucking and chewing insect pests
- Aphids
- Mites
- Thrips
- Caterpillars
- Jassids

Suitable Crops

Recommended for use in vegetables, fruit crops, plantation crops, field crops, horticultural crops, floriculture, and other crops requiring botanical insect protection.

Key Benefits

- Provides broad-spectrum control of sucking and chewing insect pests
- Acts as an antifeedant, repellent, and growth regulator against target insects
- Helps reduce insect egg laying and disrupts the pest life cycle
- Supports Integrated Pest Management (IPM) programmes
- Safe for the environment when used as recommended
- Suitable for sustainable and residue-conscious farming practices

Mode of Action

NIMOCIDE acts through multiple biological mechanisms. It repels insects, suppresses feeding activity, interferes with moulting and growth, and reduces reproduction. These combined effects gradually reduce pest populations while minimising the risk of resistance development.

Recommended Application

Method: Foliar Spray

Dose: As recommended on the product label according to crop and pest infestation level.

Best Time to Apply

Apply at the first sign of pest infestation or as a preventive spray during periods of high pest activity. Repeat applications may be required depending on pest pressure and crop stage.



Field Recommendations

- Spray during the early morning or late afternoon
- Ensure complete coverage of the plant canopy, including the underside of leaves
- Shake the product well before use to ensure uniform mixing
- Repeat applications at recommended intervals for sustained pest management





Nemacide

Biological Insecticide

Active Ingredient

Paecilomyces lilacinus

Minimum Count: 1×10^8 CFU/g



Product Overview

NEMACIDE is a biological nematicide formulated with the beneficial fungus *Paecilomyces lilacinus*. It is specifically developed to manage plant-parasitic nematodes by naturally suppressing their population in the soil, promoting healthy root development and improving overall crop performance.

Target Pests

- Root-knot Nematodes
- Lesion Nematodes
- Other plant-parasitic nematodes
- Reniform Nematodes
- Cyst Nematodes

Suitable Crops

Recommended for use in vegetables, fruit crops, plantation crops, field crops, horticultural crops, floriculture, and other crops affected by nematode infestations.

Key Benefits

- Effectively suppresses plant-parasitic nematode populations.
- Protects roots from nematode damage and promotes healthy root development.
- Enhances nutrient and water uptake through improved root health.
- Supports Integrated Nematode Management (INM) programmes.
- Helps improve crop vigour, growth, and productivity.
- Environmentally responsible and suitable for sustainable farming practices

Mode of Action

Paecilomyces lilacinus parasitises nematode eggs and infects juvenile nematodes, interrupting their life cycle and reducing their population in the soil. As nematode pressure decreases, root systems recover, allowing plants to absorb water and nutrients more efficiently

Recommended Application

Method: Soil Application / Root Zone Application

Dose: As recommended on the product label according to crop, soil conditions, and nematode infestation level.

Best Time to Apply

Apply before planting or during the early stages of crop growth for effective nematode suppression and healthy root establishment.



Field Recommendations

- Apply to moist soil for optimum microbial activity.
- Incorporate the product into the root zone wherever possible.
- Maintain adequate soil moisture after application.
- Avoid mixing with incompatible chemical nematicides or fungicides.



Biological Protection Against Crop Diseases

Plant diseases can weaken crops, reduce yield, damage marketable produce, and compromise quality. Root and soil-borne diseases can be particularly difficult to manage once they become established, while foliar diseases can spread rapidly under favourable environmental conditions.

AgroNext's Disease Management portfolio combines beneficial microorganisms and biological control agents that help suppress disease-causing pathogens through natural biological mechanisms. These solutions support healthier root zones, stronger plants, and more sustainable disease management programmes.

The portfolio includes biological bactericides, fungicides, and specialised biocontrol products for managing important bacterial and fungal diseases across plantation crops, fruit crops, vegetables, and floriculture.



Bacteron

Pseudomonas fluorescens Bio Bactericide

Active Ingredient

Pseudomonas fluorescens



Product Overview

BACTERON is a biological bactericide formulated with *Pseudomonas fluorescens* to establish beneficial microbial populations around the root zone and rhizosphere. It helps suppress important soil-borne bacterial diseases while supporting healthier root development and plant growth.

Target Diseases

- Bacterial Wilt
- Root Rot
- Blight
- Other susceptible soil-borne bacterial diseases

Suitable Crops

Fruit & Orchard Crops: Avocado, Macadamia, Mango, Citrus, Banana, Passion Fruit

Plantation Crops: Coffee, Tea

Vegetables & Horticulture: Tomato, French Beans, Onion, Cabbage, Capsicum, Kale, Potato, Okra

Key Benefits

- Establishes a protective microbial population around the root zone.
- Helps suppress important soil-borne bacterial diseases.
- Supports healthier root development and crop vigour.
- Produces beneficial compounds that contribute to pathogen suppression.
- Activates the plant's natural defence response.
- Suitable for sustainable and residue-conscious disease management.

Mode of Action

Pseudomonas fluorescens colonizes the root surface and surrounding rhizosphere, establishing itself before disease-causing organisms can dominate.

It produces natural antimicrobial compounds, including siderophores, hydrogen cyanide, and lipopeptides, which help suppress pathogen development. It also stimulates Induced Systemic Resistance (ISR), strengthening the plant's natural defence mechanisms.

Recommended Application

Method: Soil Drench

Dose: 2.5 L/acre | 6.0 L/ha

Frequency: At transplanting and every 30 days



Best Time to Apply

Apply at transplanting or during the early stages of crop development, particularly where fields have a history of soil-borne bacterial diseases.

Field Recommendations

Use alongside **Fungocure** for combined management of soil-borne bacterial and fungal diseases.





Fungo Cure

Trichoderma viride Bio Fungicide

Active Ingredient
Trichoderma viride



Product Overview

FUN GOCURE is a soil-applied biological fungicide formulated with *Trichoderma viride*. It establishes beneficial fungal activity in the root zone and helps suppress disease-causing fungi before they become established.

It is particularly valuable for managing Phytophthora-type root rot in avocado, along with other important soil-borne fungal diseases.

Target Diseases

- Damping-off
- Root Rot
- Collar Rot
- Wilt
- Phytophthora-type Root Rot

Suitable Crops

Fruit & Orchard Crops: Avocado, Macadamia, Mango, Citrus, Banana, Passion Fruit

Plantation Crops: Coffee, Tea

Vegetables & Horticulture: Tomato, French Beans, Onion, Cabbage, Capsicum, Kale, Potato, Okra

Key Benefits

- Helps suppress a broad range of soil-borne fungal pathogens.
- Directly attacks competing fungal pathogens through mycoparasitism.
- Particularly useful against Phytophthora-type root rot in avocado.
- Supports healthier root development and crop vigour.
- Suitable for repeated seasonal biological disease management.
- Helps strengthen the plant's natural defence response.

Mode of Action

Trichoderma viride colonizes the root zone and surrounding organic matter, establishing beneficial fungal activity ahead of disease-causing pathogens.

Through **mycoparasitism**, it coils around competing fungal pathogens and penetrates their cell walls, producing enzymes that break down the pathogen.

It also stimulates Induced Systemic Resistance (ISR), helping activate the plant's natural defence mechanisms.

Recommended Application

Soil Drench: 2.5 L/acre | 6.0 L/ha

Frequency: At planting and every 30 days

Seed Treatment: 10 ml/kg seed

Frequency: Once at sowing



Best Time to Apply

Apply at planting or sowing to establish beneficial microbial activity in the root zone before disease pressure develops.

Field Recommendations

Use alongside **Bacteron** for combined biological management of soil-borne fungal and bacterial diseases.





Bacimycide

Bacillus subtilis Dual-Action Bio Bactericide-Fungicide

Active Ingredient

Bacillus subtilis



Product Overview

BACIMYCIDE is a dual-action biological disease management product formulated with a proprietary strain of *Bacillus subtilis*. It helps manage both bacterial and fungal pathogens, providing a practical solution where crops face mixed disease pressure.

Target Diseases

- Bacterial Diseases
- Fungal Diseases
- Mixed bacterial and fungal disease complexes

Suitable Crops

Plantation Crops: Coffee, Tea

Fruit & Orchard Crops: Avocado, Macadamia, Mango, Citrus, Banana, Passion Fruit

Vegetables & Horticulture: Tomato, French Beans, Onion, Cabbage, Capsicum, Kale, Potato, Okra

Key Benefits

- Provides dual biological activity against bacterial and fungal pathogens.
- Helps simplify disease management where mixed infections occur.
- Produces natural antimicrobial compounds.
- Activates Induced Systemic Resistance for extended plant protection.
- Residue-free and suitable for sustainable crop production.
- Can reduce the need for separate biological products in mixed disease situations.

Mode of Action

Bacillus subtilis produces natural antimicrobial compounds including **iturin, surfactin, and fengycin**. These compounds help disrupt the cell membranes of bacterial and fungal pathogens. Root colonization also stimulates Induced Systemic Resistance (ISR), helping prime the plant's natural defence system for continued protection.

Recommended Application

Method: Foliar Spray / Soil Drench

Dose: 2.0 L/acre | 5.0 L/ha

Frequency: At the first sign of disease and repeat every 10-12 days



Best Time to Apply

Begin application at the first signs of disease or when conditions favour disease development.

Field Recommendations

Use as a follow-up foliar application after **Bacteron** and **Fungocure** for broader above-ground disease protection.



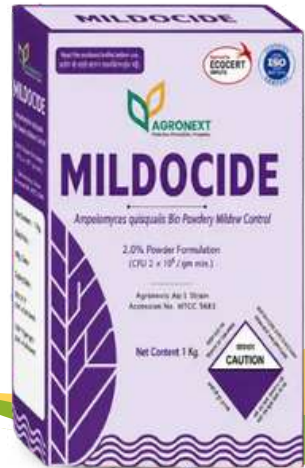


Mildocide

Ampelomyces quisqualis Bio Powdery Mildew Control

Active Ingredient

Ampelomyces quisqualis



Product Overview

MIL DOCIDE is a specialised biological control product formulated with the hyperparasite *Ampelomyces quisqualis*. It attacks powdery mildew directly from within, making it particularly valuable for high-value crops where disease control and residue management are critical.

Target Diseases

- Powdery Mildew

Suitable Crops

Floriculture: Roses, Carnations, Chrysanthemum, Hypericum

Plantation Crops: Coffee, Tea

Vegetables & Horticulture: Cucumber, Courgette, Tomato

Key Benefits

- Specifically targets powdery mildew.
- Attacks and destroys the internal structures of powdery mildew.
- Helps interrupt mildew development and spore production.
- Suitable for high-value crops requiring residue-conscious disease management.
- Safe for bees and beneficial organisms when used as recommended.
- Particularly suited to greenhouse floriculture and flower production.

Mode of Action

Ampelomyces quisqualis spores germinate on contact with powdery mildew mycelium. The fungus penetrates the mildew's hyphal structures and develops inside them.

It feeds on and destroys the mildew's **hyphae, conidiophores, and cleistothecia**, reducing further spore production and helping suppress the disease cycle.

Recommended Application

Method: Foliar Spray

Dose: 2.0 L/acre | 6.0 L/ha

Frequency: At the first visible signs of mildew and repeat every 7-10 days



Best Time to Apply

Apply at the first visible signs of powdery mildew for early biological suppression.

Field Recommendations

Use alongside **Bacimycide** for broader foliar disease management where powdery mildew occurs together with bacterial or fungal disease pressure.





Spotzero

Bio Foliar Pathogen Eliminator

Active Ingredient

TBD



Product Overview

SPOTZERO is a broad-spectrum biological foliar disease management product currently under CIB&RC registration. It is being developed to address important foliar disease complexes including leaf spot, anthracnose, and blight.

Target Diseases

- Leaf Spot
- Anthracnose
- Blight Complexes

Suitable Crops

Plantation Crops: Coffee, Tea

Vegetables & Horticulture: Tomato, French Beans, Onion, Cabbage, Capsicum, Kale, Potato, Okra

Field Crops: Maize, Sugarcane, Sweet Potato, Beans



Key Benefits

- Designed for broad-spectrum foliar disease management.
- Targets important leaf spot, anthracnose, and blight complexes.
- Biological mode of action supports resistance-conscious disease management.
- Designed for residue-conscious crop production.
- Complements soil-based disease management products to support a soil-to-leaf programme.

Mode of Action

The complete mode of action is pending technical confirmation following CIB&RC registration. The product is designed to suppress foliar pathogen germination and support localized plant defence responses at the application site.

Recommended Application

Application and dosage: Pending registration and final technical confirmation.

Best Time to Apply

Application timing and frequency will be confirmed following final registration and technical approval.





Field Recommendations

Contact AgroNext for pre-launch field trial information and the latest registration status before making a commercial recommendation.





Sustainable Weed Control for Cleaner, Healthier Fields

Weeds compete with crops for water, nutrients, sunlight, and growing space. Heavy weed pressure can restrict crop development, reduce productivity, and make field management more difficult.

AgroNext's Weed Management range provides biological and botanical solutions for managing grassy and broadleaf weeds while supporting sustainable crop production. The range includes targeted botanical control as well as broader non-selective weed management for situations requiring stronger knockdown.





Weedocide

Organic Botanical Broad-Spectrum Herbicide

Product Type: **ORGANIC**



Product Overview

WEEDOCIDE is a botanical broad-spectrum herbicide designed to control grassy and broadleaf weeds without synthetic chemicals. It provides a sustainable option for weed management in plantation and orchard systems while supporting soil biological activity.

Target Weeds

- Grassy weeds
- Broadleaf weeds
- Young, actively growing weeds

Suitable Crops

Plantation Crops: Coffee, Tea

Orchard & Fruit Crops: Avocado, Macadamia

Application in orchards: Directed application to the orchard floor while avoiding contact with the crop.

Key Benefits

- Provides broad-spectrum control of grassy and broadleaf weeds.
- Uses botanical active compounds rather than synthetic herbicides.
- Breaks down naturally after application.
- Supports soil biological health.
- Suitable for organic and transitioning farming systems.
- Useful for inter-row weed management in plantation crops.

Mode of Action

Membrane Disruption

Botanical active compounds disrupt the integrity of cell membranes in the target weed tissue.

Photosynthesis Interference

The formulation also interferes with photosynthetic processes within the weed.

Rapid Desiccation

The combined action causes cellular breakdown and rapid drying of the treated weed tissue, with visible knockdown occurring within approximately 24–72 hours.

Recommended Application

Method: Directed Foliar Spray

Dose: 2.0 L/acre

Equivalent: 5.0 L/ha

Frequency: Apply to young, actively growing weeds.



Best Time to Apply

Apply when weeds are young and actively growing. For heavy weed pressure, application is recommended during dry weather with no rain forecast for approximately 4–6 hours after spraying.

Field Recommendations

- Direct the spray onto the target weeds.
- Avoid contact with the crop.
- Apply during dry weather for improved performance.
- For orchard crops, use directed spraying on the orchard floor.
- For heavy infestations, ensure thorough coverage of actively growing weeds.



Weedout

Bio Herbicide / Weed Eliminator

Product Type: **BIO**



Product Overview

WEEDOUT is a non-selective biological herbicide designed for broad-spectrum weed knockdown. It controls both annual and perennial grasses as well as broadleaf weeds, making it suitable for situations where heavier weed pressure requires more aggressive clearance.

Target Weeds

- Annual grasses
- Perennial grasses
- Broadleaf weeds
- Established weed infestations

Suitable Crops

Recommended for use in agricultural areas where non-selective weed management is required, including plantation and orchard systems with appropriate directed application.

Key Benefits

- Provides non-selective control of a wide range of weed species.
- Controls both annual and perennial grasses.
- Controls broadleaf weeds.
- Provides total knockdown for heavy weed infestations.
- Can be incorporated into an organic-compatible weed management programme.
- Complements WEEDOCIDE as part of a tiered weed management approach.

Mode of Action

Broad-Spectrum Knockdown

Biological active compounds act across a wide range of weed species to produce broad-spectrum knockdown.

Perennial Weed Control

The formulation is designed to manage both annual weed flushes and established perennial weed systems.

Field Clearance

Its broader knockdown activity makes WEEDOUT suitable for situations where heavier weed infestation requires more aggressive field clearance.

Recommended Application

Apply as a directed treatment to target weeds according to the finalized AgroNext technical recommendation.

Dose: Refer to the product label and technical recommendation for crop, weed species, and infestation level.



Best Time to Apply

Apply when weeds are actively growing and sufficient leaf area is present for effective spray coverage.

Field Recommendations

- Use directed application to avoid contact with the crop.
- Ensure thorough coverage of actively growing weeds.
- Particularly useful where weed pressure is heavy or established.
- Use as part of a broader weed management programme alongside WEEDOCIDE where appropriate.



Contact Us



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Thank You.

