



**MiklensBio**  
A New Hope







- Recognised as one of the top 30 tech companies in India by YourStory.
- Emerged as winners in the CII Innovators' Pitch AgLive @ Global Agri Challenge.
- Received FICCI Business Excellence Award in the category "Innovation in the Field of Agriculture"
- Miklens Bio featured as one of the 25 fastest growing start-ups in India by StartUpCity Magazine.
- Featured as one of the Top 10 Best Agritech Startups by Silicon India.
- Organic Input Certification received from Control Union
- ISO 9001:2015 Certified
- IMC Certification – Miklens complies with the requirement of the quality management system for Research and Manufacturing of organic agri-inputs.
- Received Certification from Department of Industrial Policy and Promotion, GOI recognising Miklens Bio as a start-up.



## Santosh Nair

Founder & Managing Director

Mr. Santosh Nair is a graduate from Mumbai University with a specialization in Chemistry. He chose Finance as his mainstream while obtaining his Master's degree in Management from NMIMS and also holds an Executive Degree in Finance from IIM-Ahmedabad. Mr. Santosh Nair has two decades of experience in the banking and finance sector and has worked with giants such as Merrill Lynch and HDFC.

At Merrill Lynch, he was a part of the Global Wealth Management Group and managed Indian business for the group. He spent more than a decade in HDFC Bank as Head – Retail Banking and managed retail branches of western region.

After moving to Bangalore, he realized technology is a key aspect driving the growth of agriculture in India. Mr. Santosh believed that agriculture is the pulse of our nation and wanted to empower farmers for increasing their productivity and maintaining the ecology. This thought led to the formation of Miklens Bio Pvt. Ltd. With his experience and expertise in the field of finance, he is expanding the presence of Miklens Bio all across India and worldwide. His passion for clean agriculture makes him the perfect advocate for Residue-Free Cultivation.

A large center pivot irrigation system is shown in a lush green field. The system consists of a central pivot point with multiple arms extending outwards, each supporting a series of wheels and pipes. The background features rolling hills and mountains under a blue sky with scattered white clouds. The text is overlaid on a semi-transparent white circular area in the upper left.

# **Miklens Bio Transforming the Agriculture Canvas of the World**



**In August 2016, Miklens Bio Pvt. Ltd. started sowing the seeds of transformation in agriculture. Within two years of incorporation, we became a leading player in the field of agricultural innovation & residue free cultivation in India.** Our mission is to help solve the global food security problem by providing a safe and sustainable alternative to farming. Miklens Bio follow a holistic approach to transform the lives of farmers by developing innovative products that provide them better yields without causing any harm to the environment. We are strongly committed to build a better tomorrow for everyone with our globally accepted agro products that are effective & environmentally responsible. We firmly believe in the "Make in India" concept and develop revolutionary products by constantly performing research on microbes.

**With the ever-growing population, food production and security have become major concerns of today. At Miklens Bio, we are dedicated to deliver bio-based solutions for addressing these challenges. Our products help farmers around the globe improve plant health, control pests, and increase crop yields while reducing the environmental impact.**



Every field has its own unique challenges and opportunities, that is why we develop customized solutions that fit a particular operation. We wish to reduce the dependency of farmers on chemical inputs. All our products have been certified as “Approved Input for Organic Agriculture” by Control Union, globally accepted certifying agency. We are known for our residue-free products derived from microbial sources. They are a cost-effective alternative for chemical pesticides and do not leave any toxic residue into the ecosystem. These products contain microbial extracts which kill the target pathogen and do not harm the beneficial micro-organisms in the soil. Higher productivity clubbed with higher profitability is the perfect combination which Miklens Bio offers.



# Our Unique Technology

While over 25000 microbial bio-products have been reported in the scientific literature, only 2% of these are readily accessible to the research community. Also, these bio-products are available only in smaller quantities in research laboratories and are majorly used in pharmaceutical industry. By using our patented fermentation technology, we purify the right compound from microbial sources which works well against major pests and diseases. Miklens Bio have been successful in deriving nitrogen, phosphorus and potash elements through a bio-engineering process which acts in supplementing the nutritional requirements of the plant. All our products are non-toxic, residue free, environment-friendly and enable farmers in reaping maximum return on investment. Though there are bio companies involved in similar research, many are limited to produce crude extract Miklens Bio have nurtured the art of purifying essentials.

We conceptualized “Pure Bio” for revolutionizing the bio-agri input segment in various regions.

Our profound understanding of purifying essentials from crude extracts allows us to develop natural product formulations that are tailored to meet farmer’s needs and has equal effectiveness, shelf life, and ease of use compared to any other synthetic counterpart. Being organic in nature, they dissimilate in the ecosystem thereby maximizing agricultural productivity and sustainability.





Research is the key ingredient for any successful innovation and Miklens Bio has made it the foundation for developing many residue free products. Our research has been focused on microbes and their resultant biological extracts. Miklens Bio's products contain microbial extracts which kill the target pathogen without causing any harm to beneficial microorganisms in the soil. This unique microbial approach holds a tremendous potential to change the agriculture canvas of various regions including India, UAE, East Asia & Africa.

With constant research and innovation, we have come up with a comprehensive product portfolio for Plant Growth Enhancers, Plant Protection, Bio-fertilizers, and Bio-pesticides. Our research team comprises of scientists from the industry with rich experience in the microbial arena. They perform field level research studies in various agro-climatic zones for evaluating the use of new products, their formulations, benefits on different crops, appropriate dosage, application schedule and spray techniques. Miklens Bio has a 10,000 sq. feet bio manufacturing facility and R&D laboratory with an installed capacity of manufacturing 10 lakh litres annually.



# Our Products

With our wide range of bio-agri products, we are offering solutions to some of the major challenges affecting the agricultural sector. Miklens Bio have developed a wide range of products that are tested and proven to improve the quality of the crop and soil. Miklens Bio have developed a wide range of products that are tested and proven to improve the quality

## 1. PLANT PROTECTION

### A. BIO-FUNGICIDES

#### 1. Mikdew



Mikdew is a microbial based fungicide effective against oomycetes group of fungi like *Pythium*, *Phytophthora*, *Plasmapara* etc, that causes deadly diseases like late blight and downy mildew. It also provides protection against soil borne pathogens like *Fusarium*, *Rhizoctonia*, *Sclerotium* etc that causes wilt disease. This product is ideal for crops in all agro climatic conditions.

#### Mode of Action

Mikdew is a fungicide that contain systemic compounds and helps in translocation both basipetally (downward) and acropetally when applied to roots or leaves. Inhibits the pathogen cell wall formation thereby causing destruction of cell integrity leading to cell death.

**Dosage:** 1 - 2 ml/L

**Available pack size:** 100 ml, 250 ml, 500 ml, 1000 ml.

## 2. Rapid X



Rapid-X is a broad-spectrum microbial fungicide with protective action. It is a water-soluble powder formulation. Rapid-X is recommended on a number of crops world-wide to control fungal diseases, such as Anthracnose, *Alternaria*, *Pythium* blight, leaf spot, downy mildew, Botrytis rust and scab.

### Mode of Action:

Rapid-X acts by disrupting lipid metabolism. It works with both prophylactic and curative properties and gives lasting protection from the target pathogens.

**Dosage:** 2-3g/L

**Available pack size:** 250 gm, 500 gm, 1 kg.

## 3. MikRite



Mikrite is a bio nano-fungicides incorporated with nano-particles which are effective against Powdery Mildew that causes major damages to agricultural crops. It acts as systemic fungicides and inhibit respiration by blocking the electron transfer at fungal mitochondrial membranes.

**Dosage:** 0.3 - 0.5 ml/ L

**Available pack size:** 100 ml, 250 ml, 500 ml, 1000 ml.

## B. BIO-INSECTICIDES

### 1. Mikall



Mikall is a bio nano-based insecticide (Nano formulations enhance the efficiency of the active ingredient) formulated with nanoparticles that are effective against Mealy Bugs and Thrips. It also acts as a stomach poison for the insect by altering their cell permeability.

**Dosage:** 0.3 - 0.5 ml/ L

**Available pack size:** 100 ml, 250 ml, 500 ml, 1000 ml.

### 2. Mikmine



Mikmine are encapsulated nano particles from the microbial extracts which are effective against Leaf Miners. It blocks the transmission of nerves and muscle cells by inhibiting glutamate gated chloride ion channel which leads to paralysis of neuromuscular system.

**Mode of Action:**

The metabolites present in Mikmine blocks the transmission of nerve and muscle cells by inhibiting glutamate-gated chloride ion channel. This causes an influx of chloride ions into the cells, leading to hyper polarization and subsequent paralysis of invertebrate neuromuscular systems.

**Dosage:** 0.3 - 0.5 ml/ L

**Available pack size:** 100 ml, 250 ml, 500 ml, 1000 ml.

### 3. MikRaksha



Mikraksha is a bio nano-based insecticide (Nano formulations enhance the efficiency of the active ingredient) formulated with nanoparticles that are converted from the microbial secondary metabolites. These nano particles are effective against Mites. It also acts as a contact cum systemic organic insecticide. Mites causes major damage to all kinds of agricultural crops.

#### Mode of Action:

The extracts which is a blend of different microbes acts as stomach poison by altering the cell permeability.

**Dosage:** 0.3 - 0.5 ml/ L

**Available pack size:** 100 ml, 250 ml, 500 ml, 1000 ml.

### 4. Cosmo



Cosmo is a 100% bioextract that acts against all sucking pests like mealy bugs, thrips, white flies, leaf miners and mites.

#### Mode of Action:

The bioextracts in this composition will block the transmission of nerve and muscle cell by inhibiting Glutmate-gated Chloride ion channel which will affect the neuromuscular system of pests.

**Dosage:** 2-3ml/L

**Available pack size:** 100 ml, 250 ml, 500 ml, 1000 ml.

## 5. Punch



Punch contains natural extracts which induces resistance against Lepidopteran Pests. It performs well on all crops under different agroclimatic conditions.

**Dosage:** 2-3ml/L

**Available pack size:** 100 ml, 250 ml, 500 ml, 1000 ml.

## 6. MikRoot



Mikroot is a novel blend of microbial and plant extract. It is an organic fungicide to all soil pests like white grubs, termites, wireworms and nematodes.

**Mode of Action:**

On ingestion, Mikroot enters the gut and damages the epithelial layers of the digestive system thereby resulting in septicemia leading to death of the pest. It also inhibits the chitin synthesis.

**Dosage:** 5 ml/L

**Available pack size:** 100 ml, 250 ml, 500 ml, 1000 ml.



## 7. Neem Oil



Neem derived extracts, environmental friendly repel insect pests. Neem oil is eco-friendly and its residues degrade quickly in the environment. Neem oil acts against chewing or sucking pest include, aphids, whiteflies and mealybugs. Neem oil acts against fungal pathogens

### Dosage and Method of Application:

**Foliar:** 3-5 ml/L along with Mikbond 0.5 ml/L

**Drip and sprinkler irrigated lands:** 2-3 ml/L

**Available pack size:** 100 ml, 250 ml, 500 ml, 1000 ml.

Recommended for all crops and compatible with other agrochemicals

## 8. Neem Cake



Neem Seed Cake is used as a soil amendment which enriches the soil structure and lowers nutrient loss. Neem cake helps in the prevention of insect-pests. Neem cake is bio-degradable and compatible with other fertilizers. The Neem Cake contains essential nutrients i.e., NPK and micronutrients. The use of Neem Cake will increase the water holding capability of the soil improves fertility of the soil.

### Dosage and Method of Application:

**Soil application:** 125 – 150 Kg/ acre, depending on crop

**Available pack size:** 25 kg, 50 kg

Recommended for all crops and compatible with other agrochemicals

## C. BIO-PESTICIDES

### 1. Mikcillium



#### Benefits:

- Mikcillium contains *Verticillium lecani*, an entomopathogenic fungus that kills mealybugs and sucking insects like thrips, jassids, aphids, whiteflies and mites.
- It performs well under high humidity to enable the entomopathogen to multiply and pathogenise the mealybug. Mikcillium contains spores and mycelia fragments with metabolites of *verticillium* which works under high humidity and low temperature.

**Dosage:** 5ml/L (liquid), 10g/L (powder)

**Available pack size:** Liquid: 100 ml, 250 ml, 500 ml, 1000ml.

**Powder:** 250 g, 500 g, 1 kg.

### 2. Mikderma



#### Benefits:

Mikderma contains *Trichoderma viride*, an antagonistic fungus which prevents crops from diseases such as Root rots, Wilts, Brown rot, Damping off, Charcoal rot and other soil borne diseases.

It is suitable for Sugarcane, Pulses, Oilseeds, Cotton, Vegetables, Banana, Coconut, Oil palm, Chilies, Lime, coffee & Tea, Areca nut & Rubber, Flower crops and spices.

**Dosage:** 5ml/L (liquid), 10g/L (powder)

**Available pack size:**

**Liquid:** 100 ml, 250 ml, 500 ml, 1000 ml.

**Powder:** 250 g, 500 g, 1 kg.

### 3. Mikmonas



Mikmonas contains Antagonistic *Pseudomonas fluorescens*, a microbe with high antibiosis potentia.

#### Benefits:

It enters the plant vascular system and acts as a systemic bio-control agent against various fungal and bacterial diseases such as *Pythium* spp., *Phytophthora* spp., *Rhizoctonia solani*, *Fusarium* spp, *Botrytis cinerea*, *Sclerotium* spp., *Sclerotinia* sp. and *Ustilogo* spp. The product is available in liquid and powder forms.

**Dosage:** 5ml/L (liquid), 10g/L (powder)

**Available pack size:**

**Liquid:** 100 ml, 250 ml, 500 ml, 1000 ml.

**Powder:** 250 g, 500 g, 1 kg.

### 4. Mikpaecilo



#### Benefits:

Mikpaecilo is a *Paecilomyces lilacinus* based product.

It acts effectively against plant parasitic nematodes.

Mikpaecilo is recommended as a prophylactic control measure for all crops like vegetable crops, horticultural crops and plantation crops like Banana.

**Dosage:** 5ml/L (liquid), 10g/L (powder)

**Available pack size:**

**Liquid:** 100 ml, 250 ml, 500 ml, 1000 ml.

**Powder:** 250 g, 500 g, 1 kg.

## 5. MikBass



The fungus *Beauveria bassiana* is an antagonistic fungus which prevents the crop from insect pests (Mealy bugs, American bollworm and other larva pests, Beetles, white fly, Jassids, thrips, mites, and termites). When the spores of MIKBASS come in contact with the cuticle (skin) of the target insect pests it germinates and grows directly through the spiracle, cuticle into the inner body of the host. The fungus proliferates throughout the insect's body, draining the insect's nutrients and the infected insects, eventually die.

**Dosage:** 3 L or 1.5 kg/acre in 200 L water

**Available pack size:**

**Liquid:** 100 ml, 250 ml, 500 ml, 1000 ml.

**Powder:** 250 g, 500 g, 1 kg.

## 6. Mikmeta



The fungus *Metarhizium anisopliae* is an antagonistic fungus which prevents the crop from insect pests (Plant hoppers, Bugs and root grubs). When the spores of MIKMETA come in contact with the cuticle (skin) of the target insect pests, it germinates and grows directly through the spiracle, cuticle into the inner body of the host. The fungus proliferates throughout the insect's body, draining the insect's nutrients and the infected insects, eventually die.

**Dosage:** 3 L or 1.5 kg/acre in 200 L water

**Available pack size:**

**Liquid:** 100 ml, 250 ml, 500 ml, 1000 ml.

**Powder:** 250 g, 500 g, 1 kg.

## D. BIO-FERTILIZERS

### 1. Mikzoto



Mikzoto contains *Azotobacter chroococcum*, nitrogen fixing bio-inoculant suitable for all crops. *Azotobacter* is a free-living nitrogen fixing bacterium. It lives in association with plant roots and fixes atmospheric nitrogen in readily available form for plants. The product is available in liquid and powder forms.

**Dosage:** 5ml/L (liquid), 10g/L (powder)

**Available pack size:**

**Liquid:** 100 ml, 250 ml, 500 ml, 1000 ml.

**Powder:** 250 g, 500 g, 1 kg.

### 2. Mikspiral



Mikspiral consists of *Azospirillum lipoferum*, a nitrogen fixing bio-inoculant suitable for all crops except legumes. *Azospirillum* is an associative type of bacteria, living in proximity with the root zone. It fixes atmospheric nitrogen, providing 30% to 50% of the nitrogen requirement for the plant. *Azospirillum* also produces plant growth hormones such as auxin and cytokinin. The product is available in liquid and powder forms.

**Dosage:** 5ml/L (liquid), 10g/L (powder)

**Available pack size:**

**Liquid:** 100 ml, 250 ml, 500 ml, 1000 ml.

**Powder:** 250 g, 500 g, 1 kg.

### 3. Mikobium



Mikobium contains *Rhizobium* sp. that fixes atmospheric nitrogen in the root nodule, formed in the roots of leguminous plants. They are Gram-negative, symbiotic nitrogen-fixing bacteria that form nodules on host plants.

**Dosage:** 5ml/L (liquid), 10g/L (powder)

**Available pack size:**

**Liquid:** 100 ml, 250 ml, 500 ml, 1000 ml.

**Powder:** 250 g, 500 g, 1 kg.

### 4. Mikphate



Mikphate contains Phosphobacteria - *Bacillus megaterium*, a microbial inoculant capable of solubilizing phosphorus. Phosphobacteria can solubilize about 30 kg of insoluble sources of phosphorus, making it easily available to plants. Application of phosphobacteria along with nitrogen fixing bacteria promotes growth and increase crop yields by 30%. The product is available in liquid and powder forms.

**Dosage:** 5ml/L (liquid), 10g/L (powder)

**Available pack size:**

**Liquid:** 100 ml, 250 ml, 500 ml, 1000 ml.

**Powder:** 250 g, 500 g, 1 kg.

## 5. MikTash



MikTash contains *Frauteria aurantia*, a microbial inoculant capable of solubilizing potash. It converts insoluble form of potash to soluble form by producing organic acids. About 15% - 25% of insoluble potash can be solubilized, largely saving chemical fertilizers. Application of MikTash along with nitrogen fixing bacteria promotes growth and crop yields by 30%. This product is available in liquid and powder forms.

**Dosage:** 5ml/L (liquid), 10g/L (powder)

**Available pack size:**

**Liquid:** 100 ml, 250 ml, 500 ml, 1000 ml.

**Powder:** 250 g, 500 g, 1 kg.

## 6. MikZinc



MikZinc contains Zinc Solubilizing Bacteria. It converts insoluble forms of zinc to soluble forms by producing organic acids. Mikzinc is suitable for all crops. This product is available in liquid and powder forms

**Dosage:** 5ml/L (liquid), 10g/L (powder)

**Available pack size:**

**Liquid:** 100 ml, 250 ml, 500 ml, 1000 ml.

**Powder:** 250 g, 500 g, 1 kg.

## 7. MikSulphur



MikSulphur contains Sulphur Solubilizing Bacteria. It converts insoluble form of sulphur to soluble form by producing organic acids. Miksulphur is suitable for all crops. The product is available in liquid and powder forms.

**Dosage:** 5ml/L (liquid), 10g/L (powder)

**Available pack size:**

**Liquid:** 100 ml, 250 ml, 500 ml, 1000 ml.

**Powder:** 250 g, 500 g, 1 kg.



## E. BIO-STIMULANT

### 1. Miknaturals



MikNaturals helps in creating a conducive environment in enriching the soil microbe flora thereby increasing the uptake of required nutrients.

#### Benefits:

- Contains elements in bio-available form, hence negligible wastage of fertilizer by leaching, It helps for better FUE and productivity.
- Free from toxic salts and heavy metals thus, safe for the environment and soil health.
- Imparts strength to the plants for withstanding stress caused by climatic vagaries, infestations of diseases and pests.

**Dosage:** Liquid: 3-5 ml/L, Powder: 3-5 g/L

#### Available pack size:

**Liquid:** 100 ml, 250 ml, 500 ml, 1000 ml.

**Powder:** 250 g, 500 g, 1 kg.

### 2. Mikcon Super



Mikcon Super is suitable for general maintenance of crop nutrient levels, encourages vigorous root establishment, and promotes balanced healthy vegetative growth with abundant flower formation.

#### Benefits:

- Contains amino acids with micro and macro elements in essential quantities which facilitates better absorption and assimilation of nutrients, increasing the yield and improving overall quality of crops.

- Contains microbial byproducts rich in phytohormones, PGA, proteins, carbohydrates, vitamins and other growth regulators.
- The product is also blended with several phytoelicitors that give protection against pests & diseases by imparting System Acquired Resistance (SAR)

**Dosage:** 1-1.5ml/L

**Available pack size:**

**Liquid:** 100 ml, 250 ml, 500 ml, 1000 ml.

### 3. Mikboost

MikBoost is an excellent plant yield booster, derived from natural substances through fermentation process.

**Benefits:**

- MikBoost has several trace elements, nutrients, hormones and other florigens that help flower retention and arrest flower drop.
- The unique feature of photosynthate translocaters coupled with hydrolyzed proteins ensures good fruit formation and proper seed filling which results in better yield and quality produce.
- The antioxidants and natural occurring hormones will improve the quality of the produce and freshness of the agri produce (flowers and fruits)

**Dosage:** 1ml/L

Use 1st spray of MikBoost at the time of flower initiation and 2nd spray during fruit formation stage.

**Available pack size:**

**Liquid:** 100 ml, 250 ml, 500 ml, 1000 ml.



## 4. Mikmor



Mikmor delivers essential elements to crops for general maintenance of nutrient levels and encourages vigorous root establishment. It contains a large amount of amino acids proteins supplemented with humic acids, fulvic acid.

### Benefits:

- Contains amino acids in essential quantities which increases the yield and overall quality of crops.
- The specific amount of amino acid in the product enhances the microflora in the soil, facilitating better absorption and assimilation of nutrients.
- It contains microbial byproducts rich in phytohormones, vitamins and other growth regulators at optimum level.

**Dosage:** Short duration – 5-8kg/acre,

Perennial - 10kg/acre

**Available pack size:** 1kg, 5kg, 10 kg Bucket.

## 5. Mikhume



Mikhume is formulated with high grade humic acid that promotes plant health and growth.

### Benefits:

- Mikhume contains humic acid, fulvic acid, macro micro nutrients and proprietary constituents essential for plant growth.
- In high pH soils, where nutrient availability is a problem, Mikhume greatly increases the availability of Phosphorus, Iron, Zinc and Manganese.
- An effective soil enhancer and a plant growth bio-stimulants.
- High in both humic and fulvic acids, auxins, minerals, vitamins

**Dosage:** 3-5ml/L

**Available pack size:** 100 ml, 250 ml, 500 ml, 1000 ml.

## 6. Mikpower



Mikpower, a proprietary research product from Miklens Bio Pvt. Ltd. is an excellent plant tonic, derived through the fermentation process. It contains several trace elements, nutrients, and phytohormones that impart good vegetative growth and increases productivity. In the case of multi harvested crops, spray has to be applied with the harvest practice.

**Dosage:** 0.5 to 1 ml/L

**Available pack size:** 5 ml, 10 ml, 30ml, 50 ml, 250 ml.

## 7. Upahaar pH Regulator



Upahaar pH Regulator strongly influences solubility and availability of plant nutrients.

### Benefits:

- Contains a large amount of amino acid, crude protein, poly glutamic acid and unique microbial extracts.
- It delivers essential elements to crops, maintains nutrients level, encourages rigorous root development, establishment and promotes balanced healthy vegetative growth with abundant flower formation.

**Dosage:** 4 kg/acre

**Available pack size:** 1 kg, 4 kg.

## 8. Jeeva (Mycorrhiza)



JEEVA is formulated with high grade Mycorrhiza that promotes plant health and root growth. JEEVA Contains Mycorrhiza. Fulvic acid, Macro & Micro Nutrients and proprietary constituents essential for plant growth. JEEVA greatly increases the microbial and micorrhizal activities & promotes nutrient uptake.

### Benefits:

JEEVA - helps in:

- Rapid and extensive root growth
- Uptake of phosphorous and other nutrients
- Stress management

**Dosage:** 2 kg/per acre

**Available pack size:** 1 kg, 2 kg.

## 9. Takat (PROM)



### PHOSPHATE RICH ORGANIC MANURE

Takat Provides Major Nutrients and phytohormones in readily available form which provides better fertilizer use efficiency. Help in making the plant healthy and provides early boost to the crop. Organic carbon present in the product helps in mobilizing the existing nutrients and soil microflora.

### Dosage and Method of Application:

80-100 Kg/acre applied during sowing or transplantation

**Available pack size:** 25 KG, 50 Kg.

**Crops:** Paddy, Sugarcane, Maize, Mentha, Cotton, Oilseeds, Wheat, Pulses, Peas, Onion, Potato, Brinjal, Banana, Chilli, Soyabean, Tomato & all Vegetables and Horticulture Crops.

## 10. Organic Manure



The product is enriched with natural amino acids, Proteins, Vitamins and Phytohormones, enhances root development, increases photosynthesis and plant growth, high amount of PGA which improves water holding capacity and helps the crop to withstand against stress/adverse conditions also enhances profuse branching and luxuriant vegetative growth, helps better fruit and seed formation which results in higher yields with enhance quality.

### Dosage and Method of Application:

150-200 Kg per acre during sowing or crop transplantation

Available pack size: 25 kg, 50 kg.

Recommended for all agricultural crops

## 11. Bio Dapp



### Suitable for organic farming

Combination of amino acid, humic and fulvic acid and microbial consortia required for biological- nitrogen fixation, phosphorus and potassium mobilization. BIO DAPP is an alternate Agri - input to the chemical sources of inorganic NPK, thereby it creates an environmental friendly partnership between soil and the crop.

### Dosage:

80 - 100 Kg/Acre.

Available pack size: 25 kg, 50 kg.

## 12. Nutri (Rooting Powder)



- Contains microbial derived plant hormones
- Promotes root induction and initiates root branching
- Helps in nutrient absorption and plant growth
- Ideal for ornamental plants

### Dosage and Method of Application:

Dip the root cuttings with Nutri before sowing

Field crops: 1.5 - 2 kg/ acre

Available pack size: 50g, 100 g, 250 g, 500 g, 1 kg.

## 13. Vermicompost



- Enriches soil fertility and aeration.
- Increase microbial activity and helps in nutrient absorption.
- Helps in vigorous root growth and resulting healthy crop with higher yield. Natural and residue free.
- Earthworms, secreting “vermiwash” is rich in dissolved nutrients and amino acids those easily accessible to plants also acts against pest and fungal diseases.

### Dosage and Method of application:

Apply to the crop during plantation or seedling transfer,  
300-350 kg/ acre

Horticulture crops: 10 kg per plant

Water the plants soon after application.

Recommended for all crops

Available pack size: 25 kg, 50 kg.

## 14. De - Stress



- Improves photosynthesis, root and shoot growth
- Helps in flower initiation and senescence
- Triggers defense response against pest
- Helps in adaptation to environment stress

### Dosage and Method of Application:

**Foliar:** 3-5 g/L along with Mikbond 0.5 ml/L

**Available pack size:** 50g, 100 g, 250 g, 500 g, 1 kg.

Recommended for all crops and compatible with other agrochemicals

## 15. Mikhydroponics



Increase in yield with efficient use of inputs can be achieved through protected cultivation through Hydroponics. The major advantage of hydroponic greenhouse cultivation is the efficient usage of natural light. Open field agriculture, will face some serious problems in near future like availability of land and agricultural productivity, deforestation, and soil erosion.

In addition, some areas where, there is an issue of soil fertility, unfavourable topographical conditions, and soil is not available for cultivation of crop like urban areas, under such conditions soil-less culture or protected farming can be introduced successfully (Hydroponics). Hydroponic – nutrients plays an important role in the cultivation to obtain better yields. Mikhydroponic: Ideal for Organic Vegetable Production Systems: growing vegetable and leafy vegetables through hydroponic farming organic fertigation. Mikhydroponic nutrient solution is easy to prepare and ready to use, a detailed description of preparing nutrient solution is provided.



### Procedure for making hydroponic solution

For 100 litres nutrient solution Requirements:

- Two cans/ beakers of 1 litre capacity. Mark with "A" and "B"
- Glass rods/ Stirrer
- Measuring cylinder

### Nutrient solution preparation

- To make 1 litre of nutrient solution.
- Take 10 ml stock from "A" transfer it into 1 litre of water.
- Take 10 ml stock from "B" transfer it also to 1 litre water containing 10 ml stock from "OA".
- Take 0.2 ml stock from "C" (ready stock) transfer it to the same beaker.
- Stir the solution, to uniform distribution of nutrients; use this solution to fill the hydroponic reservoir.

## 16. BioN4



BioN4 contains 4% w/v nitrogen derived from microbial fermentation that is sufficient to meet the minimum nutritional supplements for any crop when it is applied through foliar spray. The product is enriched with organic carbon content between 20-30% which helps in the penetration of active ingredient through micro-pores on the surface of leaves and reduces over use of conventional nitrogen fertilizer. It also helps in ready absorption of nutrients thus having minimal loss over leaching.

**Dosage:** Liquid: 5 ml/L,

**Available pack size:** Liquid: 100 ml, 250 ml, 500 ml, 1000 ml & Bulk quantities.

## F. SPREADER / WETTING AGENT

### 1. MikBond



Mikbond when added to the spray mix helps coverage of the product on the plant material and slows down the chemical residue loss. It acts as a surfactant that reduces the surface tension of water. This allows the product to spread across the leaf more uniformly and allows the active ingredient to be easily absorbed by the plant. Mikbond increases the adhesion of spray drops to the leaf and slows down loss of the chemical by rain. It is recommended for all crops

**Dosage:** 0.5ml/L

**Available pack size:** 100 ml, 250 ml, 500 ml, 1000 ml.

## G. WEEDICIDE

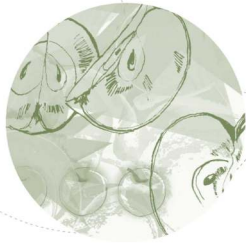
### GoWeed (Bio-Herbicide)



MiklenBio's proprietary weedicide formulation GOWEED is an environment friendly biological weedicide which completely replaces its synthetic counter parts that are highly carcinogenic and harmful to human, soil and the environment. GoWeed produces remarkable results as the unique formulation of natural botanical plant extract and enzymatic metabolites kills all types of weeds and is also non toxic and environment friendly. During fermentation process the microbe's releases certain enzymes called as metabolite inhibitors. These inhibitors are formulated with other plant extract and binding agents to make the product more effective. These inhibitors tend to inhibit the metabolite pathway by blocking the photosynthesis which then leads to the death of the plant.

**Dosage:** 25/50ml/L (depending on the weed population)

**Available pack size:** 100 ml, 250 ml, 500 ml, 1000 ml including Bulk quantities.



# OMRI Listed®

The following product is OMRI Listed. It may be used in certified organic production or food processing and handling according to the USDA National Organic Program regulations.

## Product

MiklensBio BION3

## Company

MIKLENS BIO PVT. LTD.

Santosh Nair

70/1, HKK Industrial Estate Cheemasandra, Bidarahalli - HOBLI, Bangalore - 560049

Virgonagar Post

BENGALURU Karnataka 560049 India

## Category

NOP: Microbial Products

## Status

Allowed

## Product number

miv-17639

## Class

Crop Fertilizers and Soil  
Amendments

## Restrictions

Not applicable.

Executive Director/CEO

Product review is conducted according to the policies in the current *OMRI Policy Manual*® and based on the standards in the current *OMRI Standards Manual*®. To verify the current status of this or any OMRI Listed product, view the most current version of the *OMRI Products List*® at [OMRI.org](http://OMRI.org). OMRI listing is not equivalent to organic certification and is not a product endorsement. It cannot be construed as such. Final decisions on the acceptability of a product for use in a certified organic system are the responsibility of a USDA accredited certification agent. It is the operator's responsibility to properly use the product, including following any restrictions.



Organic Materials Review Institute  
P.O. Box 11558, Eugene, OR 97440-3758, USA  
541.343.7600 · [info@omri.org](mailto:info@omri.org) · [OMRI.org](http://OMRI.org)



## Certificate of Registration

THIS IS TO CERTIFY THAT

### MIKLENS BIO PRIVATE LIMITED

SPARSH NO-3, DIVINE BUNGALOWS, MARIAN COLONY, BORIVALI WEST, MUMBAI,  
PIN.- 400103, MAHARASHTRA, INDIA

Has been assessed and found to conform-to the requirement of  
The Quality Management System

## ISO 9001:2015

For the following Scope:

RESEARCH AND MANUFACTURING OF ORGANIC AGRICULTURAL INPUTS

**Certificate Number: IMC-QMS-B/9011169M**

Date of Initial Registration : 03.10.2020

1<sup>st</sup> Surveillance on or Before: 03.09.2021

2<sup>nd</sup> Surveillance on or Before: 03.09.2022

(Subject to the company maintaining its system to the required standard)

\*After Successful completion of surveillance audit, New certificate shall be issued.



Certification Manager

(Further Clarifications regarding the scope of the certificate & the applicability of standard requirements may be obtained by consulting the organization. "This is an accredited certificate sanctioned for issue by INTERNATIONAL MILLENNIUM CERTIFICATIONS (IMC) in accordance with the requirements of ISO/IEC 17021-1:2015. The Validity of the certificate can be verified by checking the Directory of Certificated organization maintained at the ACBCB Website [www.acccb.org](http://www.acccb.org)")

Ph. No. : 033-22309001  
[www.imcertification.org](http://www.imcertification.org),  
[info@imcertification.org](mailto:info@imcertification.org)

INTERNATIONAL MILLENNIUM CERTIFICATIONS  
"WALLESLY HOUSE, 4<sup>th</sup> FLOOR, 7, RED CROSS  
PLACE, KOLKATA-700001, WEST BENGAL, INDIA



This Certificate is the Property of IMC and shall be returned immediately on request



# STATEMENT OF COMPLIANCE

REGISTRATION NO°: CU 849624

CU Inspections India Pvt. Ltd., hereby approves the input manufacturing done by

**MIKLENS BIO PRIVATE LIMITED**  
**70/1, H.K.K. INDUSTRIAL ESTATE CHEEMASANDRA BIDARAHALLI**  
**HOBLI, VIRGONAGAR, BANGALORE, KARNATAKA – 560049.**

## Project In- INDIA

on the basis of inspections done at the input manufacturing unit. This approval is valid for those product(s) and area(s) that are specified in the annex. The validity of this approval solely depends on the continued compliance with the NPOP standards and is subject to annual surveillance inspections.

This approval is in force until further notice, provided that the above-mentioned licensee continues meeting the conditions as laid down in the licensee contract with CU. Based on the annual inspections that CU performs, this approval is updated and kept in force.



Date of approval  
04/08/2023  
Place and date of issue:  
Mumbai, 04/08/2023

Declared by:  
on behalf of the Managing Director

Accreditation No:  
NPOP/NAB/0010

  
CONTROL UNION  
Ranjitha K.S.

Control Union 9  
Mumbai, India

### **CU Inspections India Pvt. Ltd.**

22nd & 23rd Floor, B Wing Arihant Aura, Plot No.: 13/1, TTC, Opp. Turbhe Railway Station, Thane  
Belapur Road, MIDC Side, Navi Mumbai – 400705, Maharashtra, India  
Tel.: +91-22-61294200 & 61294300; Fax No.: +91-22-61294217  
E-mail: [cuorganic@controlunion.com](mailto:cuorganic@controlunion.com) ; <https://certifications.controlunion.com>

# Our Global Presence



- Canada
- Mauritius
- UAE
- Srilanka
- Israel
- Romania\*
- Thailand
- Italy\*
- South Africa\*
- Namabia\*
- Zambia
- Qatar\*
- Nigeria\*
- Fiji
- Mozambique

\*Under discussion



**“If agriculture goes wrong, nothing else will have a chance to go right.”**

**M.S. Swaminathan**

Father of Green Revolution in India



**Registered Address** No. 3, Divine Bungalows, Marian Colony, Near Mary Immaculate School. Borivili (West), Mumbai- 400103

**Corporate Address** #70/1, HKK Industrial Estate, Cheemasandra, Bidarahalli- Hobli, Virgonagar Post, Bangalore- 560049

**Customer Care Number** +91 8792522896 |  [care@miklensbio.com](mailto:care@miklensbio.com) |  [www.miklensbio.com](http://www.miklensbio.com)