



**MICROBEBIO®**  
NATURE PHENOMENON

# APPLICATION PROGRAM FOR **RICE**



Our range of specialized microbial probiotic bio fungicides X5 and bio fungicides X2 are formulated explicitly for citric trees. Additionally, we offer bioinsecticides X3, bio nematicides X1. To effectively safeguard your crops against harmful pests, bacteria, fungi, and viruses, we recommend the following application guidelines:

### **Preventive Maintenance:**

- Mix 500 grams of the product with 300 liters of non-chlorine water to treat 1 hectare.
- Apply this mixture every 60 days to maintain protection against pests, bacteria, fungi, and viruses.












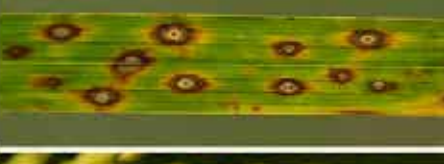


### **Outbreak Control:**


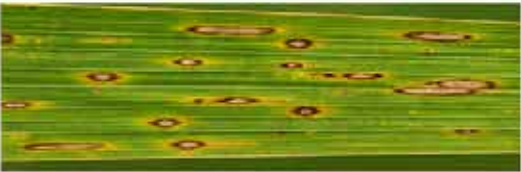












- In an outbreak of harmful pests, bacteria, fungi, or viruses, use 500 grams of the product mixed with 300 liters of non-chlorine water to treat 1 hectare.
- Repeat this treatment every seven days until the issue is under control.




















By following these recommendations, you can effectively protect your rice trees and crops from the threats posed by pests, bacteria, fungi, and viruses while promoting a healthy and thriving environment for your plants.



# Diseases & Pests

NO.	DISEASES AND PESTS	CAUSE	SYMPTOMS (IN FIELD)	CLOSE-UP (LESION/SYMPTOM)	TREAT
1	<b>Bacterial leaf streak</b> ( <i>Xanthomonas oryzae</i> )	Bacterium	 Long, narrow, water-soaked streaks starting from leaf tip or margin.		Aqua activator X5
2	<b>Leaf scald</b> ( <i>Microdochium oryzae</i> )	Fungus	 Whitish to grayish lesions on leaves, typically at the tip and margins.		Aqua activator X5
3	<b>Rice blast</b> ( <i>Magnaporthe grisea</i> )	Fungus	 Spindle-shaped lesions on leaves and necks; may cause leaf drying and white heads.		Aqua activator X5
4	<b>Rice Bacterial blight</b> ( <i>Xanthomonas oryzae</i> pv. <i>oryzae</i> )	Bacterium	 Yellow to white streaks from leaf margins; severe cases cause leaves to wither and die.		Aqua activator X5
5	<b>Bakanae</b> ( <i>Fusarium moniliforme</i> )	Fungus	 Abnormal, pale yellow seedlings; excessive elongation and poor roots.		Aqua activator X5
6	<b>Brown spot</b> ( <i>Cochliobolus miyabeanus</i> )	Fungus	 Brown to dark brown circular to oval spots on leaves.		Aqua activator X5
7	<b>False smut</b> ( <i>Ustilaginoidea virens</i> )	Fungus	 Greenish smut balls in grains; panicles partially or entirely sterile.		Aqua activator X5

NO.	DISEASES AND PESTS	CAUSE	SYMPTOMS (IN FIELD)	CLOSE-UP (LESION/SYMPTOM)	TREAT
8	<b>Narrow leaf spot</b> ( <i>Cercospora leaf spot</i> ) ( <i>Cercospora oryzae</i> )	Fungus	 Small, narrow, brown to dark lesions on leaves; severe infection causes leaf yellowing and drying.		<a href="#">Aqua activator X5</a>
9	<b>Sheath blight</b> ( <i>Rhizoctonia solani</i> )	Fungus	 Grayish white lesions on sheaths; severe cases cause sheath rot and white heads.		<a href="#">Aqua activator X5</a>
10	<b>Stem rot / bệnh thối thân</b> ( <i>Magnaporthe salvinii</i> )	Fungus	 Brown to black lesions on nodes; severe infection causes stem rot and white heads.		<a href="#">Aqua activator X5</a>
11	<b>Grassy stunt</b> <i>Rice grassy stunt virus (RGSV)</i>	Virus	 Stunted plants, erect and narrow leaves, yellowing, poor tillering.		<a href="#">Aqua activator X5</a>
12	<b>Tungro</b> <i>Rice tungro bacilliform virus (RTBV)</i>	Virus	 Yellow to orange discoloration of leaves, stunted plants, reduced tillering.		<a href="#">Aqua activator X5</a>
13	<b>Leafhoppers &amp; planthoppers</b> <i>Nephotettix spp., Recilia dorsalis, Nilaparvata lugens, Laodelphax striatellus, Sogatella furcifera</i>	Pest	 Sap sucking causes yellowing, stunted growth, hopper burn; may transmit viral diseases.		<a href="#">Aqua activator X3</a>
14	<b>Mole Cricket / dế</b> ( <i>Ryllotalpa Orientalis</i> )	Pest	 Feeds on roots and seedlings; causes wilting, dead hearts, and poor establishment.		<a href="#">Aqua activator X3</a>

NO.	DISEASES AND PESTS	CAUSE	SYMPTOMS (IN FIELD)	CLOSE-UP (LESION/SYMPATOM)	TREAT
15	<b>Rice bug</b> ( <i>Leptocorisa oratorius</i> F. and <i>Leptocorisa acuta</i> Thunberg)	Pest	 Feeding on grains causes white spots, shriveled or empty grains.	 	Aqua activator X3
16	<b>Rice case worm</b> <i>Paraponyx stagnalis</i> Stagnalis / sâu gạo (Lepidoptera : Pyralidae) <i>Nymphula depunctalis</i> (Guenee)	Pest	 Larvae cut and skeletonize leaves, feed on leaf tissue and young panicles.	 	Aqua activator X3
17	<b>Rice gall midge</b> ( <i>Orseolia oryzae</i> )	Pest	 Galls form on panicles causing them to remain unexserted and turn white.	 	Aqua activator X3
18	<b>Rice mealy bugs</b> ( <i>Brevinnia rehi</i> )	Pest	 Sucking sap causes yellowing, stunted growth, honeydew secretion and sooty mold.	 	Aqua activator X3
19	<b>Stem borers</b> (Yellow stem borer, Striped stem borer, White stem borer, etc.) <i>Scirpophaga incertulas</i> , <i>Chilo suppressalis</i> , <i>Scirpophaga innotata</i>	Pest	 Dead hearts in vegetative stage; white heads in reproductive stage; hollow stems.	   Yellow stem borer      Striped stem borer      White stem borer	Aqua activator X3
20	<b>Golden yellow snail rice</b>	SNAIL	 Snails feed on young rice plants, causing missing hills and reduced tillering.	 	Aqua activator X8

## Application rate - per hectare

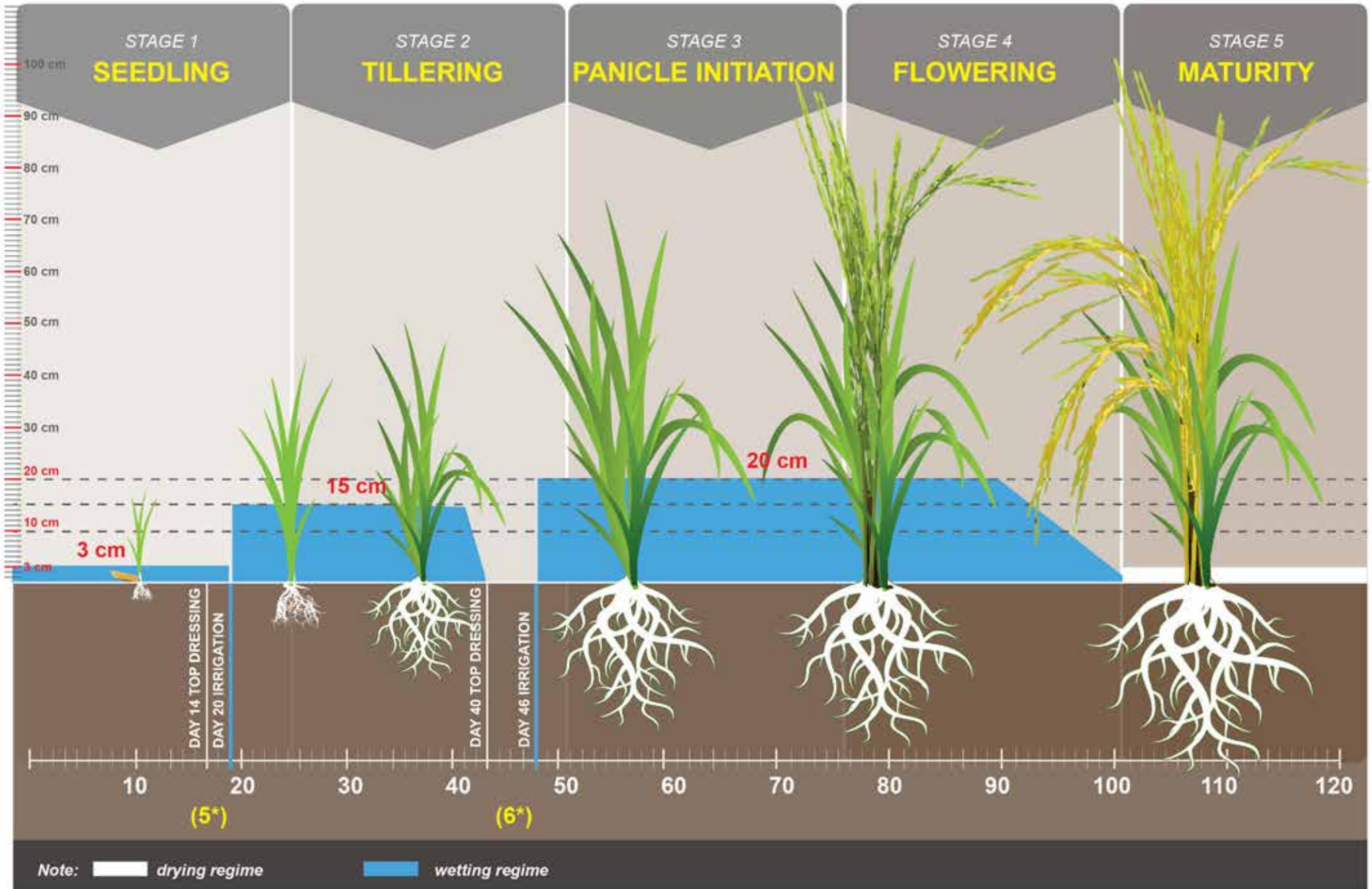
# RICE

ANNUAL PROGRAM							
	PRODUCT	DAY -21	DAY -5	DAY 18	DAY 45	DAY 60	TOTAL
ORGANIC SOIL ENHANCEMENT	NATURE VIGOR	-	5 kg	5 kg	5 kg	-	15 KG
	HYDRO ACTIVATOR	-	-	8 L	8 L	8 L	24 L
	AQUA ACTIVATOR	500 g	500 g	500 g	500 g	-	2 kg
	RHIZO ACTIVATOR	-	50 KG	50 KG	-	-	100 KG
	X1™ (NEMATO)	-	500 G	-	-	-	500 G
BIORATIONAL	X3™ (PEST)	-	500 G	500 G	500 G	500 G	2 KG
	X5™ (FUNGUS+VIRUS)	-	500 G	500 G	500 G	500 G	2 kg
	X11™ (COMPOSE)	-	500 G	-	-	-	500 G
	MOLASSES			2 L	2 L	2 L	6 L
	MICROBEBIO FOLIAR	-	-	250 ml	250 ml	-	500 ml
OPTIONAL	MICROBEBIO NANO S9	-	-	250 ml	250 ml	-	500 ml
	GREEN FURY (PEST)	Plant disease outbreak ( <i>pest</i> ): agitate 500 g Green Fury™ into at least 200 liters of non-chlorine water to treat 1 hectare.					
	NATURE VENOM (FUNGUS)	Plant disease outbreak ( <i>fungus and virus</i> ): agitate 500 g Nature Venom™ into at least 200 liters of non-chlorine water to treat 1 hectare.					

**Note:**

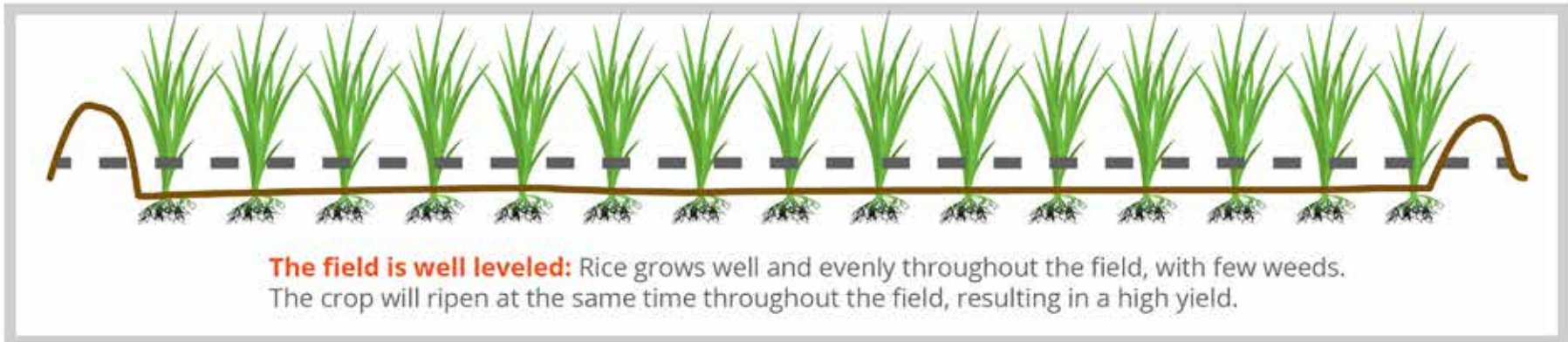
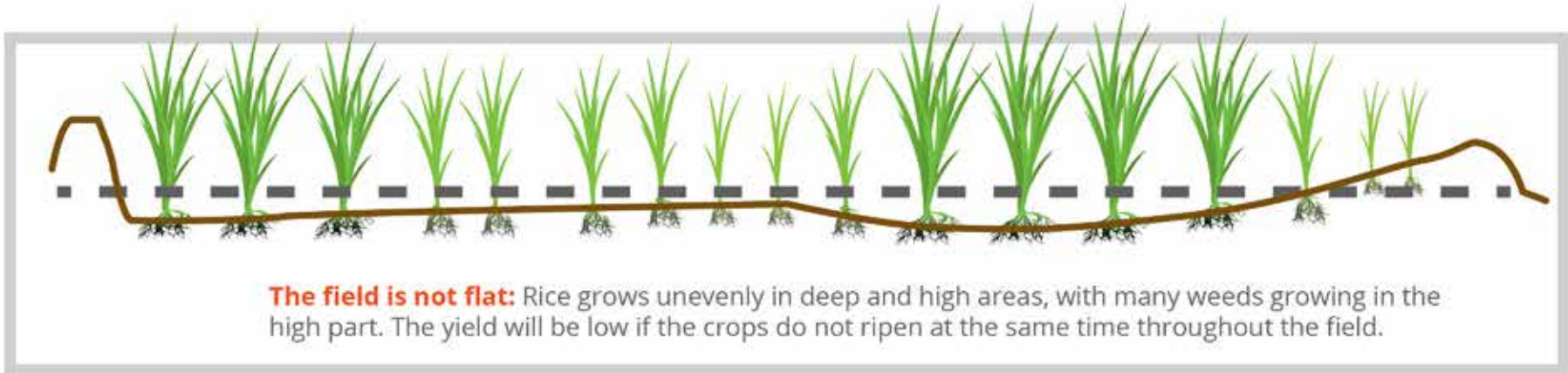
Microbebio microbes formula is best to apply in the morning or late afternoon, as the microorganisms are most active when not exposed to direct sunlight.  
Use clean, non-chlorinated water

# MANAGEMENT OF WATER ON RICE FIELD



# IMPORTANT STEPS TO PREPARATE SOIL GOOD

1. Level the field to ensure even crop growth and reduce weed growth.



2. When to drain rice fields for harvest is an important question for rice growers. Draining water too early risks reducing yield and milling quality while draining too late leads will not allow the soil to dry properly, leading to muddy conditions reducing equipment efficiency, and increasing fuel costs and labor.

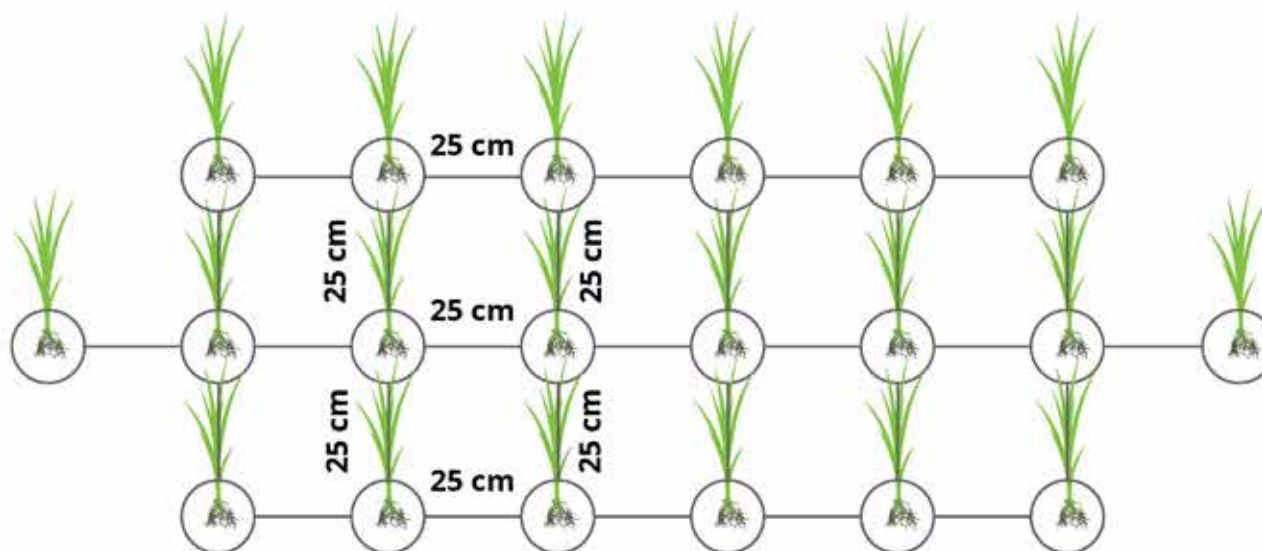
# HOW TO PRODUCE HIGH-PRODUCTION RICE GROUND?

- Seedlings are transplanted when young rice plants are 8-12 days
- Depth 1 - 2 cm
- The distance between rows of rice is 25cm x 25cm

This helps the rice plant after maturity and especially the flowering stage to fully absorb sunlight. The roots and stems of the rice have plenty of room to grow and spread, producing many flowers.

This gap allows mechanical weeding (saving labor). Weeds can be incorporated into the soil using a mechanical to aerate the soil.

Rice plants do not compete with each other for nutrients, so the rice blooms evenly and consistently, and the nutritional value of rice seeds after harvest is high and consistent.



*The distance between rows of rice is 25cm x 25cm*

# HOW TO PRODUCE HIGH-PRODUCTION RICE GROUND?

**1.** Choose a good field: fertile soil, less waterlogged, or drought.

**2.** Use clean, pure, and healthy seeds.

**3.** Good crop management.

**4.** Remove all plants that differ in height, color, flowering time, cotton pattern, or seed shape. Remove both diseased plants and infested rice grains

**5.** Harvest when the rice is ripe 80-85%, and the seeds are straw yellow.

**6.** Quick drying after harvest. Clean the seeds by sifting them several times. Store seeds in a cool, dry, and clean place.



**Too early**



**Early**



**Time to harvest**



**Too late**

# IMPORTANT STEPS TO PREVENTION OF WEEDS, AND WEEDY RICE.



## 1. Cleaning devices

- Clean the harvester before and after harvesting to limit the spread of weedy rice.

## 2. Preparation of lands

- When the rice is harvested, collect the remnants of the previous crop such as straw, flat rice, weedy rice, and weeds in the field, and destroy them to limit growth.
- Take advantage of the vacant land time after harvesting, plow the soil to a depth of 15 cm, and pump water into the field to grow weeds, when the grass is 5-10 cm tall, proceed to plow to kill all the grass. Pay attention to harrowing carefully before

sowing or transplanting rice. The field surface needs to be level. This action will reduce the weed seeds in the soil and limit harmful pests and diseases.

## 3. Seedbed management

- Use pure seed rice or certified rice varieties for sowing. Limit self-seeding through crops, especially seeds in areas that have been infested by weedy rice, treat and soak rice seeds to remove flat seeds, and weedy rice from seed sources.



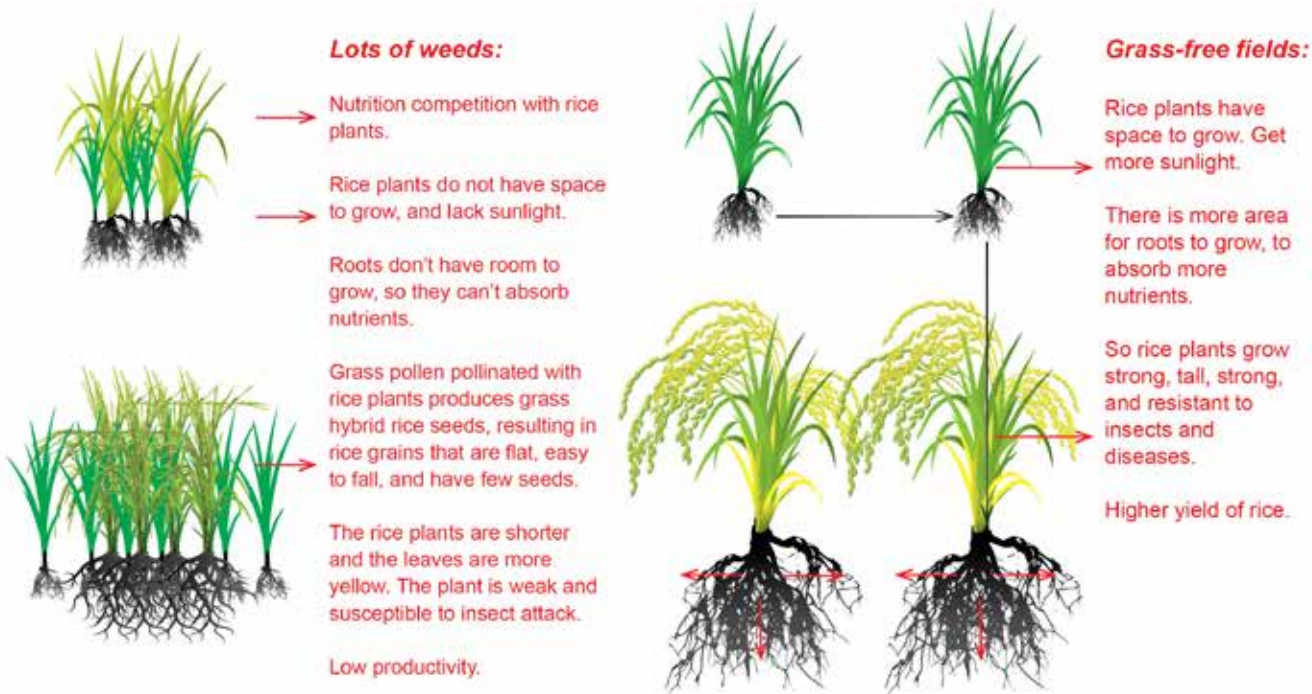
## 4. Preparation of irrigation and water regulation systems for rice fields:

- Prepare a good drainage system, and adjust and maintain the appropriate field water level according to the growth stages of rice to limit weeds.
- Use nets to the net to filter weed seeds while adding water to the field.



## 5. Method of sowing rice:

- Rice transplanting in rows is preferred over seed spreading. Note that the distance between rows is approximately 25 cm to facilitate weed management in the field. Remove young weedy rice plants when they grow outside the rows to facilitate manual weeding.



From tillage to harvest, the above steps must be strictly followed to prevent weeds and weedy rice from spreading and competing for nutrients and cultivated land with cultivated rice.

***Your field can lose 40% to 75% of its yield if ignored or done carelessly. Or be forced to use herbicides in order to save the field.***

- When the rice plant is 14 days old, fill the field with water 10 cm, and keep the water flooded for at least 22 days to kill weeds (Farmers can combine planting *Azolla pinnata* and lotus plants in the field to block light to the ground to prevent weeds from appearing, and at the same time adding nitrogen and other essential nutrients to the soil.

## 6. Sanitation of rice fields

- Manual weeding at the seedling stage and tillering stage (around day 14 and day 40) after sowing.

- De-weed, weedy rice in a flowering and pre-harvest stage.

- Regularly remove weeds leaving no trace behind, be careful not to allow seeds to fall to the ground, and create more weeds. More dangerous, grass pollen and cultivated rice pollen can combine to produce a low-quality hybrid rice.

## 7. Planting rice and crops alternately

- Rotating rice with hemp and legumes replenishes soil nutrients required by rice plants while also reducing weeds.

# PREPARATION BEFORE SOWING RICE

## HOW TO EFFICIENTLY USE STRAW FROM THE PRIOR SUMMER

One way to efficiently use straw from the prior summer is to plow the soil or chop the rhizome to less than 3 cm. This will create a natural organic source for the soil that can help improve crop yields. another method is to burn or discard the stubble, which releases harmful CO<sup>2</sup> into the atmosphere and destroys microorganisms. By using one of these methods, farmers can help reduce waste and improve the quality of their crops. When plowing the land, it is important to do so carefully and with as little disruption to the soil as possible. This will help reduce carbon loss from the straw and improve soil nutrition. Applying Microbebio organic fertilizer can also help build biodiversity in the soil, which can further improve crop yields. By using these methods, farmers can efficiently use straw from the prior summer while reducing waste and improving the quality of their crops. Plowing the land carefully and with as little disruption to the soil as possible will help reduce carbon loss from the straw and improve soil nutrition. Applying Microbebio organic fertilizer can also help build biodiversity in the

soil, which can further improve crop yields. Accelerate the decomposition of plant and animal carcasses. Before sowing, farmers need to treat grass so they do not compete for soil nutrients to achieve the desired yield. In addition, it is necessary to soak barley seeds with Microbebio seed treatment thoroughly before sowing. By doing this, you will be able to improve your chances of achieving a higher crop yield.

Microbebio is an all-natural seed treatment that can help improve the germination rate of your seeds. By soaking your seeds in warm water or pond water mixed with Microbebio, you can encourage higher germination rates and give your seeds the nutrients they need to get a head start on their journey. Whether you're starting a garden from scratch or looking to give your existing plants a boost, Microbebio can help you get the most out of your seeds. The nutritional ingredients in Microbebio help the roots of barley plants grow healthy and disease-free. This is extremely important for producing high-yielding crops. Disease-free seeds are essential for ensuring a bountiful harvest, and Microbebio helps make that possible.

[www.microbebio.com](http://www.microbebio.com)

## INSTRUCTIONS FOR HANDLING SEEDS

**Step 1:** Start with the 110 - 125kg/ha. Seeds need to be sundried for 1 to 2 days before soaking. This helps them to absorb water more easily, which is important for the germination process. After sundrying, place the seeds in a clean bucket or container and cover them with lukewarm water. Allow them to soak for 12 hours before planting.

**Step 2:** If you want to test if your seed is good, the farmer puts the seed in clean water for 4 to 8 hours. Floating seeds are flat seeds, remove them. Keep the seeds below. This will help you determine if your seed is good.

**Step 3:** Soak the seeds.



## RATE:

- To create your own **50g X5 + 50g Aqua Activator + 1L Molasses** germination mixture with enough water to cover the surface of the chlorine-free seed until sprouts appear normally 12-24 hours. Make sure the barley grains are evenly coated with the Microbebio mixture for best results. By following these simple instructions, you can create a highly nutritious and easily digestible food source that is perfect for athletes, bodybuilders, and anyone looking to improve their overall health!
- If you have germinated your seeds and are ready to plant them, there are a few things you need to do before planting. First, pick up the germinated seeds and dry them preliminarily (about 24 hours) before placing them in a bag (ventilated), in a cool, dry place. Incubate the seeds for two days to achieve a root length about twice as long as the seed. After that, you're ready to plant!
- The water that has just soaked the seeds can be used to irrigate the barley field before sowing. This is a highly efficient method of irrigation and ensures that the seedlings have enough moisture to germinate and grow quickly.





**100%**  
Organic Soil  
Enhancement

## INTRODUCTION

Elevate Plant Growth, Flavor, Aroma, and Nutrients While Boosting Yield and Shelf Life

Unlock Nature's Potential for Remarkable Plant Growth and Sustainable Soil Health

MicrobeBio® Aqua Activator GRW™ is your key to exceptional plant growth, heightened flavor and aroma, increased nutrient content, and extended shelf life. Our innovative product harnesses the power of beneficial bacteria and microorganisms to not only enhance plant development but also promote carbon sequestration and eco-friendly soil remediation.



## KEY ADVANTAGES

**Increased Yield:** MicrobeBio® Aqua Activator GRW™ not only stimulates biological activity but also maximizes nutrient uptake. This results in significantly higher crop yields, ensuring a more abundant harvest.

**Enhanced Flavor and Aroma:** Our advanced formula promotes the production of natural compounds that enhance the flavor and aroma of your plants. Experience tastier and more aromatic crops that stand out in the market.

**Nutrient Enrichment:** Unlock bound-up nutrients in the soil, making them readily available to your plants. The result? Crops that are not only bountiful but also more nutrient-rich, providing healthier choices for consumers.

**Extended Shelf Life:** By bolstering plant health and resilience, Aqua Activator GRW™ helps increase the shelf life of your produce. Reduce waste and extend your products' availability to consumers.

**Stabilizes Atmospheric Nitrogen:** Our product stabilizes atmospheric nitrogen in the soil, reducing the need for chemical fertilizers. This sustainable approach ensures healthy nitrogen levels while minimizing environmental impact.

**Solubilizes Minerals Compounds:** Through phosphate solubilization and mobilization of essential soil nutrients, our product promotes soil fertility, benefiting both your plants and the environment.

**Carbon Sequestration:** Aqua Activator GRW™ utilizes carbon sequestration to enhance plant hormones and store carbon in the soil. This not only benefits plant growth but also contributes to mitigating climate change.



**Soil Structure Improvement:** Our product enhances soil structure, reducing water retention and eliminating issues like surface runoff, volatilization, and salinity. It rebuilds soluble organic matter in the topsoil, promoting a sustainable and resilient soil ecosystem.

**Natural Disease Resistance:** By boosting microbial activity and saprophytic competence, Aqua Activator GRW™ enhances plants' resistance to diseases and pathogens, reducing the need for harmful pesticides.

**Environment-Friendly Soil Remediation:** Regenerate your soil's tilth and reduce dependence on toxic and caustic compounds commonly found in today's market. Aqua Activator GRW™ is a safe and eco-friendly alternative that promotes long-term soil health.

**MicrobeBio® Aqua Activator™**

Net Wt. 1 KG

**PRODUCT DESCRIPTION**  
MicrobeBio® Aqua Activator™ is a biological soil amendment containing a select blend of microbes and soil-inhabiting bacteria. Aqua Activator™ may be applied with organic and inorganic fertilizers, soil improvers, as well as soils and mulches for improved microbial biodiversity and greater crop yields.

**The main benefits of MicrobeBio® Aqua Activator™**

- Boost crop yields
- Reduce adverse environmental impacts
- Boost drought resistance
- Heal and protect soil
- Boost soil fertility
- Boost seed germination

**NON-PLANT FOOD INGREDIENTS**  
Contains the following bacteria:

- Bacillus pasteurii	2.0 x 10 <sup>9</sup> CFU/g
- Bacillus pumilus	2.0 x 10 <sup>9</sup> CFU/g
- Bacillus thuringiensis	2.0 x 10 <sup>9</sup> CFU/g
- Clostridium sp.	2.0 x 10 <sup>9</sup> CFU/g

**ATTENTION**  
Please read and follow ODO instructions for safety precautions, labeling, and maintenance of PPE (Personal Protective Equipment).

**Not for human consumption. Keep out of reach of children.**

**GENERAL APPLICATION**  
**AQUA ACTIVATOR™ 1 KG PER HECTARE**  
(For optimal results, see recommendations for Aqua Activator™ in combination with other MicrobeBio products.)

- Apply 1 kg MicrobeBio® Aqua Activator™ into at least 5 liters of non-chlorine water\*\* for at least 24 hours to activate the microbes. Continue to dilute the mixture into at least 400 liters of non-chlorine water\*\* to treat 1 hectare.
- \*\* After stirring or agitating crops, the process can utilize the product into chlorinated water after the chlorinated water has been standing for over 48 hours to ensure a consistent final above-ground yield to improve.

**Technical Note:**

- All application should be considered as a general guideline. Application rates for specific products may differ regarding to soil conditions, plant categories, nutrient levels, and application approach.
- To obtain desired result, MicrobeBio® Aqua Activator™ requires appropriate timing and rate which highly depend on stage of plant growth, soil fertility levels, and environment setting.
- If uncertain of application rates for your specific soil, please consult a professional agronomist to examine soil samples and create specific application plan. Consult product literature for specific crop recommendations.

**Spray Instruction:**

- During early stage of growth, MicrobeBio® Aqua Activator™ solution can be applied by using sprayer, hose, drip or sprinkler on soil or as foliar feeding.
- For an optimal yield, apply MicrobeBio® Aqua Activator™ solution at late afternoon and avoid direct sunlight.

**STORAGE**  
Store in a cool, dry place. Once opened, it is best used within 30 days. After opening, keep the package well sealed and store the mixture, avoid use control.

**WARRANTY LIMITATIONS**  
The MicrobeBio® product on this label is subject to be accurate and reliable. However, no warranty that we will secure the guarantee unless on the face hereof. We hereby disclaim any liability for any damage or loss of any kind, including but not limited to, crop loss, yield reduction, and other losses, arising from the use of the product, even if such damage or loss is caused by the use of the product. MicrobeBio® Inc. is not responsible for any damage or loss of any kind, including but not limited to, crop loss, yield reduction, and other losses, arising from the use of the product, even if such damage or loss is caused by the use of the product. MicrobeBio® Inc. is not responsible for any damage or loss of any kind, including but not limited to, crop loss, yield reduction, and other losses, arising from the use of the product, even if such damage or loss is caused by the use of the product.

**MicrobeBio Inc.**  
2023 | Toronto, Canada | 416-291-1111

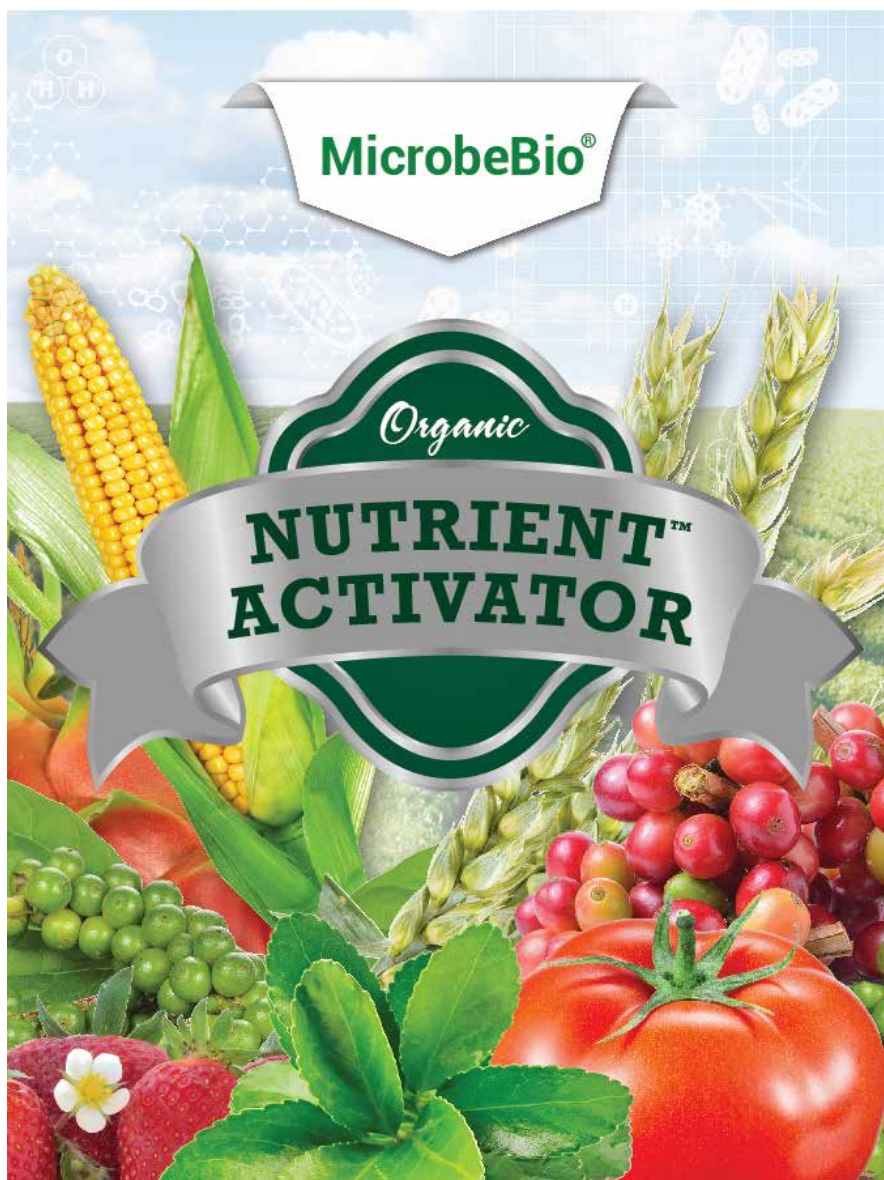
www.microbebio.com • info@microbebio.com

## GENERAL APPLICATION

To activate the microbes in Aqua Activator GRW™, simply agitate 500g of the product into at least 5 liters of non-chlorine water for a minimum of 24 hours. Then, dilute the mixture into at least 500 liters of non-chlorine water to treat 1 hectare of land.

Join the forefront of sustainable agriculture with Aqua Activator GRW™. Unlock the full potential of your crops while promoting carbon sequestration and environment-friendly soil remediation. Choose the eco-conscious way to grow and nurture your plants, ensuring increased yield, enhanced flavor, aroma, nutrient enrichment, and extended shelf life.





Nutrient activator is a soil enhancement product that combines the benefits of Bio stimulants for plant growth and micronutrient fertilizers. It contains animal amino acids that are essential for plant growth and development. These amino acids are derived from animal sources and are easily absorbed by plants, making them an effective and efficient way to deliver essential nutrients to the soil.

Studies have shown that amino acids, such as those found in OptimalNutri, can improve the growth and yield of crops by enhancing photosynthetic assimilation and nutrient availability. Amino acids are also known to be natural stimulators of plant growth and are widely used to promote crop yield and quality.

Nutrient activator contains essential micronutrients, including zinc (Zn), manganese (Mn), boron (B), iron (Fe), and molybdenum (Mo), which are vital for plant growth and development. These micronutrients are commonly used in agriculture as fertilizers to supplement the soil with these nutrients. Zinc is important for the formation of chlorophyll and helps plants to resist disease. Manganese is involved in photosynthesis and helps to activate enzymes that are important for plant growth. Boron is important for cell wall formation and helps to regulate other nutrients in the plant. Iron is essential for the formation of chlorophyll and helps to transport oxygen throughout the plant. Molybdenum is involved in nitrogen fixation and helps to activate enzymes that are important for plant growth.

Nutrient activator is an all-in-one fertilizer that nourishes phenomenal growth and healthy leaf structure. It is a cost-effective solution for farmers and gardeners who want to improve the health and productivity of their crops. By supplementing the soil with essential micronutrients and animal amino acids, OptimalNutri can help to increase crop yields, improve plant health, and reduce the risk of disease and pest infestations.

Nutrient activator is a soil enhancement product that contains essential micronutrients and animal amino acids. It is an all-in-one fertilizer that nourishes phenomenal growth and healthy leaf structure. It is a cost-effective solution for farmers and gardeners who want to improve the health and productivity of their crops. By supplementing the soil with essential nutrients, OptimalNutri can help to increase crop yields, improve plant health, and reduce the risk of disease and pest infestations..

## INTRODUCTION

Optimal vigor (NPK 5-4-8 – 100% organic) provides plants with a complete growth-boosting package synthesized from a complex system of plant nutrients, crucial vitamins, and naturally occurring minerals. This product also delivers natural plant hormones, essential sugars, vital amino acids, organic carbons, and proteins to achieve optimal growth.

Optimal vigor can quickly access the foliage and root zone to stimulate photosynthesis and enhance root growth. Optimal vigor also improves plants' response and strengthens natural plant defense mechanisms. In addition, it promotes healthy root growth to build robust plants from the root up while respecting the environment.

Optimal vigor adds a proper amount of nitrogen in amino acid form, creating humic buffers for the soil with organic biopolymers, and enhancing the water holding capacity, amongst other benefits.

## BENEFITS

- ◆ Easy to apply and mix (soluble or as dry amendment)
- ◆ Rich in organic matter and nutrients
- ◆ Supports soil friability
- ◆ Promotes beneficial soil ecosystem (including soil microorganisms)
- ◆ It provides plants with easier to absorb from the advanced patent and proprietary plant nutrients (macronutrients, secondary nutrients, and micronutrients), amino acids, and growth stimulators
- ◆ Support additional nutrients to address a more comprehensive array of deficiencies
- ◆ Chelated organic nutrients become bioavailable from plant consumption in the soil for a much longer period
- ◆ Promotes additional budding
- ◆ Extends the shelf life of fruits and vegetables
- ◆ Boosts crop yields
- ◆ Improves plant resistance to frost and disease
- ◆ Increases uptake of inorganic constituents from the soil
- ◆ Bolsters resistance to stress conditions and reduce fruit storage losses
- ◆ Promotes vigorous growth and helps deter harmful pests and diseases on fruits, flowers, vegetables, lawns, etc.
- ◆ Balance development speed (growth-stimulating and growth-delaying functions) to enhance root growth and prevent bud forming or bud opening at the wrong times.



**INTRODUCTION**

MicrobeBio® Soil Activator™ is an all-natural and organic granular slow-release fertilizer enhanced with mycorrhizae and beneficial microbes that was designed to primarily stimulate plant root growth. Soil Activator Super is packed full of essential beneficial microbes, Macro and Micro nutrients that are crucial to superior plant growth, and delivers these nutrients in a form that is consistently available for the plant's immediate use. Soil Activator Super contains primary and secondary nutrients, along with organic matter with available nitrogen sources, as well as bio-stimulants and advanced biological humic and fulvic acids. This combination of organic and mineral elements establishes the fundamental food sources needed in order to stimulate the colonization of beneficial soil microbes, regardless of the crop or condition of the soil. Once MicrobeBio® Soil Activator™ is applied to the soil, millions upon millions of these beneficial bacteria and microbes begin to make their way to the plant root zone to develop and form a fully functional extended network of fine filaments that covers over seven hundred times more soil area. This establishes and forms a symbiotic relationship, colonizing the plant's root zone and providing it with a greater increase in water and nutrient absorption efficiency. With the increase in the plant's root mass, this allows for the plant to reach more of the beneficial nutrients and water that would have otherwise been unavailable for use without having used Soil Activator. The plant will also show improved drought tolerance and have much lower irrigation requirements. Soil Activator Super will strengthen the entire plant's root system, allowing the plant to grow stronger, bigger and more vigorous. This leads to generating a higher yield and better protects against pests, disease and unfavorable environmental conditions. Soil Activator greatly enhances bio-geochemical processes such as the Carbon Cycle, Nitrogen Cycle, Mineralization, as well as Decomposition. It gives the soil the ability to better hold, convert, stabilize and increase the nitrogen. Soil Activator ensures the absorption of the available bio-stimulants and helps to fight the nutrient deterioration in nearby sources of water. This is because our product was designed to break down slowly in conjunction of response produced by the plant, rather than merely dissolving in water. This results in a major reduction of groundwater leeching and excess runoff of nutrients. MicrobeBio® Soil Activator™ is an all-around environmentally friendly agricultural product that majorly minimizes nutrient pollution.

**MicrobeBio® Rhizo Activator™**

**INTRODUCTION**  
 MicrobeBio Rhizo Activator is an all-organic granular slow release bio fertilizer that contains primary, secondary, micro-nutrients, designed to regenerate soil structure/fertility while maintaining crop growth and developing strong and healthy roots. Rhizo Activator contains organic matter with available organic carbon/nitrogen sources, mined minerals from the Earth and beneficial microorganisms to improve the efficient of plant metabolism and increase plant tolerance to physical and biological stresses while promoting quick recovery. It is also a food source for the microbes to perform more effectively.

This product improves the bio-geochemical process such as carbon cycle, nitrogen cycle, mineralization, and decomposition. It has the ability to hold, convert, stabilize and increase nitrogen in the soil and enhance plant resistance to harmful pathogens and bacteria that evade the rhizospheres to improve soil health and plant growth. This product is easy to use for broadcasting as a direct nutrient contact to seeds and roots across the entire field.

**Benefits**

- Promotes growth
- Stimulates microbial activity
- Improves root depth and density
- Enhances water holding capacity
- Increases nutrient efficiency
- Improves water retention

**GENERAL APPLICATION**  
 (For best result, use in combination with other MicrobeBio products.)

- Broadcasting 25 kg Rhizo Activator evenly over the entire crop soil
- Method: manual or using rotary/drop spreaders. Do not put the product into any water sprayers.

**ANALYSIS**

Organic matter	42%	Ratio C:N	12
N	3	pH	5
P	2	Molure	30%
K	2		

**STORAGE**  
 Store indoors in a cool, dry place. Do not store in sunlight or warm conditions. Close packets if not fully used. Shake well. Wash exposed areas thoroughly with soap and water after handling. Avoid eye contact.

**WARRANTY LIMITATIONS**  
 Any liability, expressed or implied, is limited to the purchase price of this product.

**Net Wt. 25 kg**

Manufactured By:  
**MicrobeBio Inc.**  
 28925 Nichols Sawmill Rd  
 Magnolia, TX 77355

[www.microbebio.com](http://www.microbebio.com)  
[info@microbebio.com](mailto:info@microbebio.com)

BATCH No.:  
 EXP. DATE:

MADE IN USA

**BENEFITS**

- ◆ Improved root depth and density.
- ◆ Stimulate biological activity by increasing microbial colony.
- ◆ Stimulate plant growth and increased yield
- ◆ Deliver primary nutrient source of food for plants
- ◆ Remediate salinity and heavy metal contamination in soils
- ◆ Regulate pH in acid or alkaline conditions
- ◆ Increases BRIX levels
- ◆ Increase organic matter and Carbon source
- ◆ Increase Chlorophyll Content
- ◆ Enhance natural defenses
- ◆ Improve water retention
- ◆ Improve soil structure



## INTRODUCTION

MicrobeBio® Hydro Activator™ helps growers achieve earlier flowering, larger blooms, and fruit. It also slows the aging process of crops. Hydro Activator is an organic liquid fertilizer that is safe for use on all crops, including fruits and vegetables. Using Hydro Activator will dramatically increase the Brix levels of productivity.

MicrobeBio® Hydro Activator™ is packed full of the nutrients that plants need, including more than 40 mineral elements, organic proteins, essential vitamins, and amino acids. This makes it an ideal product to use during different stages of plant growth, as it provides everything that plants need to thrive.

If you're looking for a way to make your produce look fresher, taste better, and last longer, then you need MicrobeBio® Hydro Activator™. Plants treated with MicrobeBio® Hydro Activator™ will have healthier, greener leaves and better flavor. Hydro Activator increases the Brix levels responsible for the sweet flavor, making fruits and vegetables tastier. MicrobeBio® Hydro Activator™ helps growers achieve earlier flowering, larger blooms, and fruit. It also slows the aging process of crops. Hydro Activator is an organic liquid fertilizer that is safe for use on all crops, including fruits and vegetables. MicrobeBio® Hydro Activator™ is packed full of the nutrients that plants need, including more than 40 mineral elements, organic proteins, essential vitamins, and amino acids. This makes it an ideal product to use for all stages of plant growth, as it provides everything that plants need to thrive.

## BENEFITS

- ◆ Immediately delivers primary nutrients (NPK) and renders them readily accessible for plant roots
- ◆ Furnishes a premium-selected sequential chain of sustainable, life-giving microbes for continuing soil and plant health
- ◆ Stimulates significant bio-mass (root) growth which is essential for plant health and growth
- ◆ Enhances plant BRIX levels (sugars) to enrich the bio-available food source for soil microbes
- ◆ Remediate salinity and heavy metal contamination in soils
- ◆ Improves water retention (by expanding the root system) and increases drought tolerance
- ◆ Balances pH in acid or alkaline conditions for optimal nutrient uptake
- ◆ Maintains a C:N Ratio (Carbon & Nitrogen) by activating microbes to release nutrients such as nitrogen, phosphorus, and zinc to crops
- ◆ Boosts chlorophyll content in leaves to invigorate the photosynthesis process
- ◆ Acts as a powerful prophylactic by preventing harmful Rhizoctonia and fusarium spores from germinating.
- ◆ Is comprised of 100% eco-friendly elements, which are non-toxic and are safe to use around children, adults, pets, and livestock



## INTRODUCTION

MICROBEBIO® Nano S9™ A chitosan-based biopolymer is a carrier of nano-silica particles embedded in amino acid and suspended in water. MICROBEBIO® Nano S9™ made up of particles smaller than 100 nanometers. Rapid silica absorption is necessary when high temperatures and low humidity are present. Nanotechnology is used in a concentrated proprietary formula to create more potent, more prominent, healthier plants that are both cost-effective and simple to use. Nutrient-rich nanoparticles are incorporated into the products. Cell walls are penetrated with excellent efficiency by these nanoparticles. Consequently, crops are healthier with less input.

MICROBEBIO® Nano S9™ consists of nanoparticles and fertilizer molecules wrapped in the Microbebio nanotechnology and are applicable in foliar

The process of directly entering a cell's metabolism is attained

Absorption is quicker, more effective, and more efficient

Surface area at which the maximum amount of contact occurs

The nanoparticle then migrates into the mesophyll of the leaf. Following that, it enters the plant's vasculature, its veins. It can travel the whole stem length into the root or the leaves. A nutrient deficiency is immediately filled, allowing it to be readily absorbed and supplying energy and nourishment to the plant cell.

MICROBEBIO® Nano S9™ provides plants with bioavailable components of silica that make them more resilient to biotic and abiotic stress, help them withstand drought, and improve their resistance to pests and diseases.



Besides reducing salt stress, drought, heavy metals, and other abiotic stresses, MICROBEBIO® Nano S9™ is also beneficial for reducing the adverse effects caused by different abiotic stresses. MICROBEBIO® Nano S9™ from biogenic sources deters herbivores as well. Further, MICROBEBIO® Nano S9™ helps plants resist exogenous pressure and increases their vigor.

In addition to promoting growth and yield, silicon in crops supports proper development and prevents lodging. It also decreases abiotic stresses such as temperature, salinity, heavy metals, and aluminum toxicity and provides resistance to bacterial diseases.

A plant's resistance to diseases such as powdery mildew, septoria, eye-spot, and pest insects is increased through the presence of silicon. Deficit irrigation increases plant biomass yield through silicon. Drought-exposed plants treated with silicon maintained higher relative water content and stomatal conductivity. It helps leaves grow bigger and thicker so that they retain more water and that they have fewer losses through transpiration.

## CATEGORIES: ENERGY SERIES, PRODUCTS

Tags: \*Ascorbic acid, \*Organic carbon, 181-190, 21.2.1, Acidithiobacillus ferrooxidans (RSTF7227), Acidithiobacillus thiooxidans (RST8227), Alcaligenes faecalis, Aphelenchoides besseyi, Arthrobacter, Aspergillus fumigatus, Aspergillus niger, Azorhizophillus paspali, Azospirillum brasilense, Azospirillum humicreducens, Azospirillum lipoferum (RSAL0111), Azotobacter chroococcum, Azotobacter chroococcum (MCC 0055), Azotobacter vinelandii (RSAV006), B. subtilis, B. circulans, B. coagulans, B. licheniformis, B. megaterium, B. pumilus, B. sphaericus, Bacillus amyloliquefaciens, Bacillus Azotoformans, Bacillus butylis, Bacillus cellulyticus, Bacillus cereus, Bacillus Coagulans, Bacillus Firmus, Bacillus licheniformis, Bacillus ligninophilus, Bacillus megaterium (MCC 0053), Bacillus mucilaginosus (MCC 0050), Bacillus mycolides (MCC 0054), Bacillus oryzae, Bacillus pasteurii, Bacillus polymixa (MCC 0098), Bacillus pumilus, Bacillus species, Bacillus spp., Bacillus subtilis, Bacillus thuringiensis, Bacillus thuringiensis (Bt), Bacillus velezensis, Bacillus pumilus, Bacteria Bacillus thuringiensis israelensis (Bt) and B. sphaericus (Bs), Basidiomycetes sp, Beauveria bassiana, Brevibacillus (Bacillus) brevis, Clavioideoglomus etunicatum, Clonostachys rosea, Clostridium thermocellum, combinations of entomopathogenic fungi, combinations of other entomopathogenic fungi, Devosia sp., Ditylenchus angustus, Diversispora spurca, Ensifer fredii, Ensifer mellioti, Ensifer nemicus, Escherichia coli (and other Enterobacteriaceae), Flavimonas oryzihabitans, Flavobacterium sp., Frankia, Frateriella aurantia (MCC 0047), Funneliformis mosseae, Funneliformis mosseae (AMF), Glomus deserticola, Glomus deserticola (AMF), Glomus mosseae, Gluconacetobacter diazotrophicus, Herbaspirillum frisingense, Humicola grisea, Humicola insolens, Humicola lanuginosa, Isaria fumosorosea, Klebsiella varicola 137-2253, Klebsiella varicola strain DX120E, Kosakonia pseudosacchari TL13, Kosakonia sacchari, Kv137-1036, Malacologia 51(1), Malbranchea pulchella, Meloidogyne graminicola, Metarhizium anisopliae, Myricoccum thermophilum, P1 and P2, Paecilomyces lilacinus, Paecilomyces lilacinus (THOM) Samson, Paecilomyces lilacinus CKP-012 and CKP-032, Paenibacillus durum, Paenibacillus durus (MCC 0046), Paenibacillus terrae, Penicillium bilai, Penicillium citrinum (MCC 0092), Penicillium sp. (incl. P.dupontii), Phanerochaete chrysosporium, Protein hydrolysates of vegetative origin from enzyme hydrolysis, Pseudomonas, Pseudomonas aeruginosa, Pseudomonas aeruginosa 21.2.1, Pseudomonas aeruginosa B1.1, Pseudomonas aeruginosa P1, Pseudomonas aeruginosa P2, Pseudomonas aureofaciens, Pseudomonas fluorescens, Pseudomonas fluorescens 13.1, Pseudomonas fluorescens C11, Pseudomonas fluorescens P. aeruginosa 19.1, Pseudomonas japonica, Pseudomonas putida, Pseudomonas sp, Pseudomonas striata (RSP51117), Purpureocillium lilacinum (synonym Paecilomyces lilacinus) strain 251, Purpureocillium lilacinum 251, Purpureocillium lilacinum PLSAU-1, Purpureocillium lilacinum strain PL11, R. Intradidices, Rhizobia, Rhizobium japonicum, Rhizobium sp. (IIR N1), Rhizopogon fasciculatum, Rhizopogon fasciculatum (AMF), Rhizopogon intraradices, Rhizopogon irregularis, Rhizopogon irregularis (AMF), Rhizopogon irregularis (MULC 57021), Rhodospseudomonas palustris, Saccharomyces cerevisiae, Scytalidium thermophilum, Seaweed fermentation derivatives, Serratia sp, Sinorhizobium americanum, Starkeya novella (MCC 0056), Streptococcus (Streptococcus), Streptomyces atratus, Streptomyces aurentiigriseus, Streptomyces chromofuscus, Streptomyces cinerochromogenes, Streptomyces greiseus, Streptomyces greiseus, Streptomyces janthinus, Streptomyces lidyus, Streptomyces reventicillium, Streptomyces rimosus, Streptomyces spp., Streptomyces venezuelae, Streptomyces violaceus, Streptomyces violascens, Streptomyces viridodactylicus, Termonmyces sp., Thermus sp, Thiamine\*, Trichoderma asperellum, Trichoderma aureoviridi, Trichoderma harzianum, Trichoderma inhamatum, Trichoderma reesei, Trichoderma sp. and Penicillium sp, Trichoderma spp., Trichoderma virens, Trichoderma viride, Trichoderma viridae, Trichoderma sp, Verticillium lecanii, Vibrio sp, Waste-eating bacillus and pseudomonad bacterial strains

## INTRODUCTION

MicrobeBio® Nature Foliar™ is an all organic and all-natural Plant Foliar Fertilizer, that was designed and created to better support the Symbiotic Cycle in plants. Through the biological process of translocation, these nutrients and minerals play a crucial role in better supporting plant development and growth. Nature Foliar works to increase the efficiency of plant photosynthesis, which turns glucose and nutrients, along with the complex Carbon Molecules into a useable form of fuel that the plant can then use. As the plants uptake the nutrients from these sources, they will then thrive and flourish vigorously throughout the entire growing season. Nature Foliar promotes earlier flowering and larger blooms and enhances the nutritional quality of the produce.

## BENEFITS

- ◆ Maintains consistent results over the crop cycle, reduces metabolic stress, and achieves optimal microbial genetic potential by providing a healthy source of food and energy for soil microbes.
- ◆ Optimizes photosynthesis (light) by expanding chlorophyll content in leaves
- ◆ Increases photosynthesis (water uptake) by increasing microorganisms (microbes) in the soil media
- ◆ Aids photosynthesis by increasing nitrogen (and other nutrients) uptake to aid in photosynthetic CO<sub>2</sub> assimilation
- ◆ Sustains an increased level of health-giving microbes over a longer duration of time
- ◆ Promotes seed germination and increases the early vigor of seedlings
- ◆ Integrates enzyme levels for the synthesis of nucleic acids, proteins, vitamins, and sugars
- ◆ Supports stress resistance under adverse environmental conditions
- ◆ Improves the quality and growth of produce
- ◆ Enhances metabolic processes in plants
- ◆ Ameliorates the uptake and transport of energy and plant nutrients





# Biorational

MicrobeBio® Green Fury™ is a next-generation botanical insecticide formulated from pure plant-based active compounds. It delivers rapid knockdown and long-lasting suppression of insect pests across fruits, vegetables, grains, orchards, plantations, barns, dairies, and poultry houses. Biodegradable and eco-friendly, it is safe for pollinators, livestock, workers, and consumers.

#### **ACTIVE COMPONENTS**

- ◆ Plant-derived insect growth regulators
- ◆ Botanical anti-feeding agents
- ◆ Natural oviposition deterrents
- ◆ Inert carriers & stabilizers

*(All ingredients are 100% plant-based and biodegradable)*

#### **PRECAUTIONS**

- ◆ For agricultural use only.
- ◆ Shake well before use.
- ◆ Store between 10–30 °C in a cool, dry place away from sunlight.
- ◆ Do not ingest. Keep away from children.
- ◆ Use gloves and standard safety equipment during handling.
- ◆ Not for human or animal consumption.

#### **SHELF LIFE**

24 months from date of manufacture (unopened).

#### **CERTIFICATION**

- ◆ 100% Organic Input Approved
- ◆ Biodegradable & Eco-Friendly
- ◆ Safe for Pollinators & Beneficials



## TREATMENT

**Soft-Bodied & Sucking Pests:** aphids, whiteflies, thrips, mealybugs, leafhoppers, scale insects

**Chewing Insects:** caterpillars, armyworms, bollworms, leaf miners, fruit borers, beetles, grasshoppers

**Sap Feeders & Vectors:** stink bugs, fruit flies, spider mites, eriophyid mites

**Stored Grain & Livestock Pests:** weevils, moths, fleas,

## GENERAL APPLICATION

**Dilution:** Mix 2–3 mL per liter of water (or as advised by crop specialist).

**Application:** Spray evenly on foliage until runoff. For livestock facilities, apply as directed for fly/tick management.

**Frequency:** Every 7–10 days or at first sign of pest infestation.

**Timing:** Apply early morning or late afternoon.

**Compatibility:** Suitable for tank-mix with most organic nutrients and microbial inputs.

**Note:** Water and treat for pests and diseases every 3 weeks until the disease no longer appears.



### **BROAD-SPECTRUM ORGANIC PLANT PROTECTION**

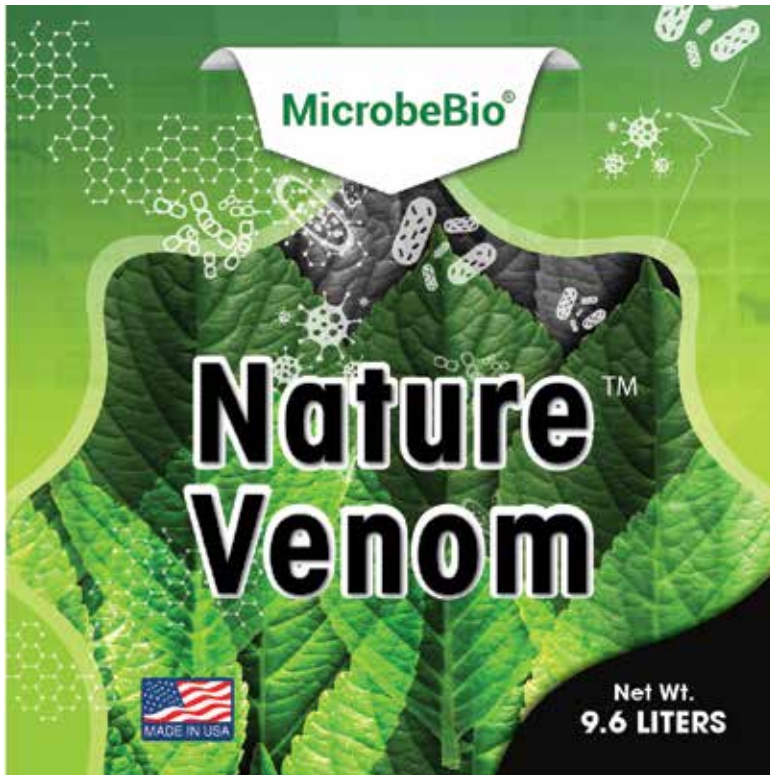
MicrobeBio® Nature Venom™ is an advanced botanical formulation made from 100% pure plant extracts, designed to help crops naturally defend themselves against harmful pests and pathogens. Built on principles of traditional plant-based protection, Nature Venom™ strengthens a plant’s resistance, supports healthy growth, and reduces damage from insects, fungi, bacteria, and even viral challenges — all while remaining safe for beneficial organisms and the environment.

#### **KEY BENEFITS**

- ◆ Multi-Target Protection – Controls a wide range of insect pests, larvae, and foliar pathogens including fungi, bacteria, and viruses.
- ◆ Preventive & Proactive – Works best as a preventive treatment, building resilience before outbreaks become severe.
- ◆ Safe & Eco-Friendly – 100% organic, chemical-free, and completely safe for pollinators, beneficial predators, fish, birds, livestock, and humans.
- ◆ Enhances Plant Resistance – Stimulates natural immunity in plants to fight stress and disease.
- ◆ Biodegradable Formula – Breaks down naturally in soil and sunlight without leaving harmful residues.

#### **WHY CHOOSE NATURE VENOM™?**

Unlike harsh chemicals, Nature Venom™ works with nature — using botanically derived actives to defend crops while keeping ecosystems safe. It’s ideal for organic and sustainable farming systems where soil health, biodiversity, and long-term productivity matter.



## TREATMENT

*Insect pests & larvae: chewing and sucking pests that feed on plant foliage.*

*Fungal diseases: leaf spots, rusts, mildews, and other common crop fungi.*

*Bacterial diseases: leaf blights, streaks, and wilt-causing bacteria.*

*Viral challenges: helps plants resist and suppress viral infections that reduce crop yield and quality.*

## GENERAL APPLICATION

**Dilution:** Mix 2–3 mL per liter of water (or as advised by crop specialist).

**Application:** Spray evenly on foliage until runoff. For livestock facilities, apply as directed for fly/tick management.

**Frequency:** Every 7–10 days or at first sign of pest infestation.

**Timing:** Apply early morning or late afternoon.

**Compatibility:** Suitable for tank-mix with most organic nutrients and microbial inputs.

**Note:** Water and treat for pests and diseases every 3 weeks until the disease no longer appears.

MicrobeBio® X1™ reduces the pathogenic nematode population protecting the root system and promoting the growth, yields, and quality of all types of plants.

The product controls and regulates many plant pathogenic nematodes, such as *Ditylenchus* sp.; *Helicotylenchus* sp.; *Meloidogyne* sp.; *Radopholus* sp.; *Pratylenchus* sp.; *Rotylenchulus* sp.; *Tylenchus* sp.

MicrobeBio® X1™ parasitizes all of the reproductive stages of plant pathogenic nematodes, specifically focused on eggs and females. The acidic pH conditions produce a toxin that attacks the nervous system of the nematodes and causes deformations and destruction of the ovaries, which reduces egg fertility. MicrobeBio® X1™ reduces the nematode population, significantly protecting the plant's root system. By adding this layer of protection, the roots can develop and grow freely into a healthy root system. While MicrobeBio® X1™ rids the plant of pathogenic nematodes, it, in turn, promotes the reproduction and growth of beneficial nematodes, along with phosphorus and nitrogen-fixing microorganisms, allowing the plant to absorb more nutrients by the healthier grown root system.

MicrobeBio® X1™ reduces the pathogenic nematode population in the soil and promotes the growth, yields, and quality of all plants.



**MicrobeBio®**

**X1**

**INTRODUCTION**  
MicrobeBio X1™ reduces the pathogenic nematode population protecting the root system as well as promote growth, yields, and quality of all types of plants.  
The product controls and regulates many different types of plant pathogenic nematodes, such as Ditylenchus sp.; Helicotylenchus sp.; Meloidogyne sp.; Radopholus sp.; Pratylenchus sp.; Rotylenchulus sp.; Tylenchus sp.

**GUARANTEED ANALYSIS**

<b>Active Ingredients</b>	
Purpureocillium sp.	2.20%
Contains a minimum of 2 x 10 <sup>10</sup> viable spores/gm.	
<b>Other Ingredients</b>	97.80%
<b>Total</b>	100.00%

**ATTENTION**  
Please read and follow the SDS instructions for safety precautions, cleaning, and maintenance of PPE (Personal Protective Equipment).  
Not for use on seedlings.  
Keep out of reach of children.

**STORAGE**  
Store indoors in a cool, dry place. Close tightly. First First Use! Shake well. Wash exposed areas thoroughly with soap and water after handling. Avoid eye contact.

**WARRANTY LIMITATIONS**  
Any liability, expressed or implied, is limited to the purchase price of this product.

**GENERAL APPLICATION AND DILUTION INSTRUCTION**  
Agitate 400 g MicrobeBio X1™ into at least 20 liters of non-chlorine water \*\*. Continue to dilute the mixture into at least 200 liters of non-chlorine water \*\* to treat 1 hectare.

\*\* While utilizing or ingesting crops, the grower can dilute the product into chlorinated water after the chlorinated water has been standing for more 24 hours in an open container that allows chlorine gas to dissipate.  
For optimal results, we recommend using MicrobeBio X1™ in a combination with other MicrobeBio® products.

**MADE IN USA**

**Net Wt. 1 KG**

**SALES & SERVICE**  
Manufactured by:  
**MicrobeBio Inc.**  
28923 Magnolia Boulevard, Apt. 102  
Magnolia, TX 77355  
www.microbebio.com  
info@microbebio.com



## TREATMENT

**Nematode:** *Ditylenchus sp.*; *Helicotylenchus sp.*; *Meloidogyne sp.*; *Radopholus sp.*; *Pratylenchus sp.*; *Rotylenchulus sp.*; *Tylenchus sp.*

## GENERAL APPLICATION

**Prevent:** agitate 200 g MicrobeBio® X1™ into at least 200 liters of non-chlorine water \*\* to treat 1 hectare.

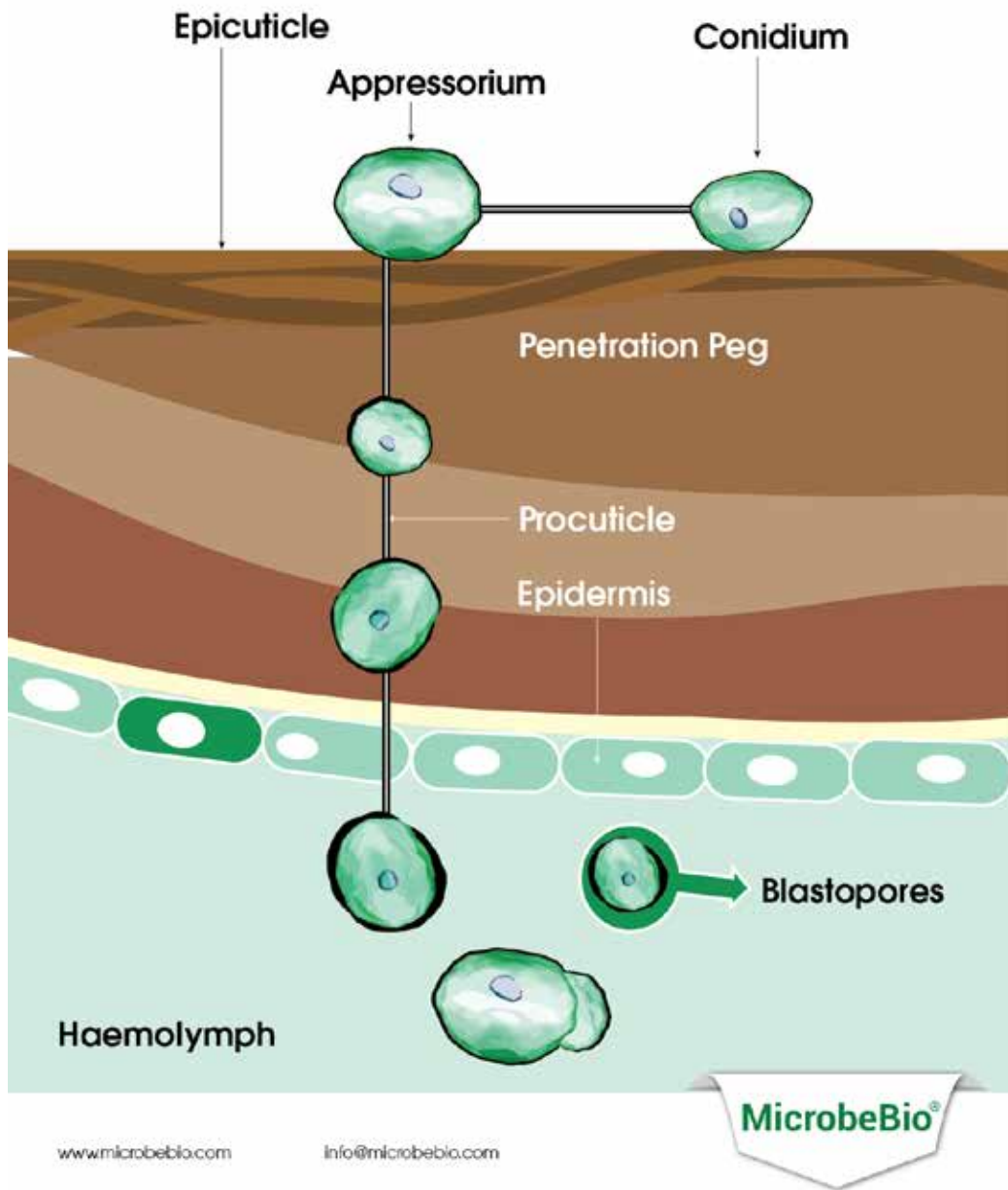
**Treat:** agitate 500 g MicrobeBio® X1™ into at least 200 liters of non-chlorine water \*\* to treat 1 hectare.

*Note: Water and treat for pests and diseases every 3 weeks until the disease no longer appears.*



MicrobeBio® X3™ is a powerful solution for addressing harmful pests and insects in your garden lawn or field. This unique combination of predatory bacteria and beneficial fungi works to attack a broad range of destructive bug species, using a combination of soil-borne bacteria and specialized toxin crystals. The bacteria, known as microbe spores, are toxic to certain insect species when consumed. These spores work by attaching to the digestive system of their prey and releasing poisonous crystals that disrupt their function. Thanks to its combination of multiple beneficial microbes and its broad spectrum of action, MicrobeBio® X3™ is an effective way to keep your garden, lawn, or field healthy, thriving, and free from harmful pests. So if you're looking for safe and effective pest management, be sure to give MicrobeBio® X3™ a try! One key player in this process is MicrobeBio® X3™, a robust strain of fungi developed by scientists specifically for use in controlling disease-causing pests. By producing specially-engineered cyclic peptides, this potent organism is able to suppress the growth and reproduction cycles of even the hardest insects. Furthermore, MicrobeBio® X3™ has proven quite effective at spreading across entire fields and landscapes, making it an ideal choice when it comes to protecting crops from damage due to infestations of harmful insects. So if you are looking for an efficient way to manage insect populations and protect your valuable crops from disease, look no further than MicrobeBio® X3™

MicrobeBio® X3™ is a highly effective and safe insecticide with a number of important benefits. Unlike many other toxic pesticides, it is harmless to birds, fish, and warm-blooded creatures, making it an ideal choice for people who care about the health of the environment. In addition, MicrobeBio® X3™ is extremely effective at controlling pest populations, quickly destroying insects like roaches, ants, beetles, termites, and flies.

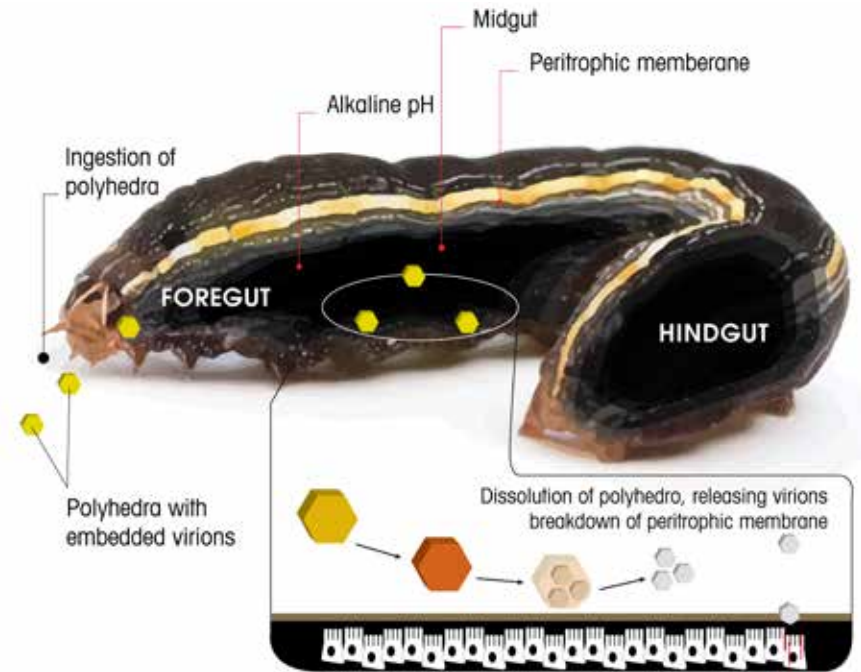


**Primary Mode of Action:**

MicrobeBio® X3™ is a powerful new biopesticide that harnesses the power of novel microbes to control and eliminate harmful insects. These special microbes target specific pests by harming their digestive system, preventing them from digesting food properly and eventually leading to their death. MicrobeBio® X3™ is also very effective in targeting less common insect species due to its unique action mechanism. Additionally, this innovative biopesticide has been shown to improve water efficiency in the field by increasing the amount of organic matter it can break down. Unlike traditional pesticides, MicrobeBio® X3™ is non-toxic, easy to use, and highly cost-effective—making it an excellent choice for farmers looking for a more environmentally-friendly and sustainable way to protect their crops.

MicrobeBio® X3™ is a powerful and innovative tool for protecting crops from harmful insects. This unique bacterium manipulates the gut of certain bugs, preventing them from digesting food and ultimately killing them. Because birds, fish, and other animals with acidic guts are not impacted by MicrobeBio® X3™, it is a highly effective and environmentally friendly alternative to chemical pesticides. Additionally, it helps to conserve water by increasing organic matter in the field. With no need for heavy application or special handling procedures, MicrobeBio® X3™ is an incredibly valuable tool for modern farmers looking to protect their crops while minimizing environmental impact.

MicrobeBio® X3™ is a type of entomopathogenic fungus



known for its ability to rapidly kill insect pests. These spores, cysts, and mycelia must come into direct contact with the host in order to be effective. Once an insect has been infected by these microbes, they rapidly grow inside the host, feeding on its body and producing toxins that eventually cause its death. When the host insect dies, it is then covered in a layer of white mold that produces even more infectious spores. Thus, this biocontrol method can be incredibly effective in eradicating pest populations and protecting crops from damage. Overall, MicrobeBio® X3™ represents an innovative and highly reliable strategy for managing harmful insects naturally.



**INTRODUCTION**  
MicrobeBio X3™ contains proprietary beneficial biologicals shown to be effective for the prevention and suppression of a wide range of insects such as: weevils, beetles, aphids, grasshoppers, caterpillars, beetles, black vine weevil, boll weevil, Colorado potato beetle, corn borer, cucumber beetle, Douglas fir tussock moth, emerald ash borer, fire ants, flies, fungal gnats, grasshoppers, greenhouse whitefly, invasive silkworms, Japanese beetle, lygus bugs, mealybugs, Mexican bean beetle, mites, psyllids, red palm weevil, shore flies, stem borers, stink bugs, strawberry root weevil, termites, thrips, whiteflies, white grubs.

**GENERAL APPLICATION AND DILUTION INSTRUCTION**  
Agitate 500 g MicrobeBio X3™ into at least 100 liters non-chlorine water \*\* for at least 24 hours. Continue to dilute the mixture into at least 200 liters of non-chlorine water \*\* to treat 1 hectare.

**GUARANTEED ANALYSIS**  
CONTAINS NO INERT FOOD INGREDIENTS\*\*  
Proprietary Beneficial Bacteria:  
5.4 x 10<sup>10</sup> CFU Per Gram (each)\*\*\*  
• Genus Acetobacter (1 species)  
• Genus Agrobacter (2 species)  
• Genus Bacillus (11 species)  
• Genus Bacteroides (5 species)  
• Genus Pseudomonas (2 species)  
• Genus Rhodospirillum (1 species)  
• Genus Rhodospirillum (5 species)  
• Genus Streptomyces (13 species)  
• Genus Thiosphaera (1 species)  
• Genus Thiomargarita (2 species)  
• Genus Thiodiuronium (7 species)  
• Genus Thiodiuronium (1 species)  
• Genus Xanthomonas (1 species)

**ATTENTION**  
Please read and follow the SDS instructions for safety precautions, cleaning and maintenance of PPE (Personal Protection Equipment) and for hygiene observation.  
Keep out of reach of children.

**STORAGE**  
Store indoors in a cool, dry place. Close packets if not fully used. Shake well. Wash exposed areas thoroughly with soap and water after handling. Avoid eye contact.

**WARRANTY LIMITATIONS**  
Any liability, expressed or implied, is limited to the purchase price of this product.

Manufactured by  
**MicrobeBio® Inc.**  
29625 N. Highway 101, Magnolia, TX 77055  
www.microbebio.com • info@microbebio.com

**BACK TO:**  
EXP. DATE: \_\_\_\_\_

**Net Wt. 1 KG**

## TREATMENT

**PEST:** Alfalfa Weevil, Aphids, Apple Cleaving Moth, Fall Army Worms, Bark Beetles, Bean Leaf Beetle, Best Leafhopper, Beetles, Black Vine Weevil, Boll Weevil, Cabbage Looper, Cabbage Worm, Cane Borer, Caterpillars, Cereal Leaf Beetle, Chinch Bugs, Coffee Borer Beetle, Codling Moth, Colorado Potato Beetle, Corn Borer, Cucumber Beetle, Douglas Fir Tussock Moth, Emerald Ash Borer, Fire Ants Flies, Fungal Gnats, Grasshoppers, Greenhouse Whitefly, Invasive Silkworms, Japanese Beetle, Lygus Bugs, Mealybugs, Mexican Bean Beetle, Mites, Psyllids, Red Palm Weevil, Shore Flies, Stem Borers, Stink Bugs, Strawberry Root Weevil, Termites, Thrips, Whiteflies, White Grubs, ...

## GENERAL APPLICATION

**Prevent:** agitate 200 g MicrobeBio® X3™ into at least 200 liters of non-chlorine water \*\* to treat 1 hectare.

**Treat:** agitate 500 g MicrobeBio® X3™ into at least 200 liters of non-chlorine water \*\* to treat 1 hectare.

*Note: Water and treat for pests and diseases every 3 weeks until the disease no longer appears.*

## Unleash the Potential of Biofungicide X5: Nurturing Stronger Crops, Naturally

In today's dynamic world of agriculture, the quest for sustainable and eco-conscious crop protection solutions has reached unprecedented heights. Enter Biofungicide X5, a pioneering product poised to redefine your approach to safeguarding crops.

Biofungicide X5 brings forth the power of nature, offering an array of advantages that not only protect your crops but also elevate their overall health. Let's delve into why Biofungicide X5 is your gateway to nurturing stronger, more resilient plants while effectively combating a multitude of plant diseases.

### 1. Comprehensive Disease Management

Bid farewell to the relentless battle against plant diseases. Biofungicide X5 provides robust protection against a broad spectrum of plant pathogens, ensuring your crops flourish throughout the growing season. These include:

Black Sigatoka ( <i>Mycosphaerella figiensis</i> )	Grey Mildew Disease ( <i>Ramularia areola</i> )
Sheath blight of Rice ( <i>Rhizoctonia solani</i> )	Powdery Mildew ( <i>Oidium spp.</i> )
Late Blight ( <i>Phytophthora infestans</i> )	Downy Mildew ( <i>Pernospora sparsa</i> )
Anthracnose ( <i>Colletotrichum gloesporioides</i> )	Coffee Rust ( <i>Hemileia vastatrix</i> )

And various other common pathogenic plant fungi (For a detailed list, please contact the company or refer to the product SDS)

## 2. Eco-Friendly Solution

Preserving our environment for future generations is paramount. Biofungicide X5 is a natural, environmentally friendly alternative to chemical pesticides, aligning perfectly with sustainable agriculture practices that prioritize both crop health and the well-being of our planet.

## 3. Enhanced Crop Quality

Healthy plants yield superior results. With Biofungicide X5, you'll witness a remarkable enhancement in crop quality, potentially leading to higher market value and increased profitability. Expect crops that not only look better but also taste better.

## 4. Reduced Chemical Dependency

Say farewell to the overuse of synthetic pesticides. Biofungicide X5 minimizes the need for chemical intervention, reducing the chemical load on your crops and the surrounding ecosystem. This results in a safer and more sustainable agricultural landscape.

## 5. Resilience in Challenging Conditions

Nature can be unpredictable, but Biofungicide X5 equips your crops with the resilience to withstand adverse conditions. Whether it's unexpected weather events or shifting environmental factors, this product provides an additional layer of protection.

## 6. Compatible with Integrated Pest Management (IPM)

Biofungicide X5 seamlessly integrates with your existing pest management strategies, making it an ideal choice for growers looking to adopt holistic and sustainable approaches to crop protection.

## 7. Effortless Application

Simplicity is key. Biofungicide X5 boasts an easy application process, saving you valuable time and effort. Its user-friendly nature ensures that you can protect your crops without unnecessary hassle, resulting in a smoother and more efficient farming experience.

## 8. Rice Blast Defense

Biofungicide X5 is especially effective against Rice blast (*Magnaporthe grisea*), further enhancing its utility in rice cultivation. This added capability ensures your rice crops receive targeted protection against this specific threat, giving you peace of mind during the growing season.

In conclusion, Biofungicide X5 represents more than just a product; it's a game-changer for modern agriculture. With its unparalleled benefits and the ability to combat a wide range of plant diseases, it empowers growers to protect their crops naturally, sustainably, and effectively. Make the switch to Biofungicide X5 today and witness the transformation in your crop protection efforts. Your plants will thank you, and so will the planet.



**MicrobeBio®**

**X5**

**INTRODUCTION**  
MicrobeBio X5™ is a proprietary bacterium based bio-fungicidal product that has a wide spectrum of action against plant pathogens such as Black Sigarota (*Mycophaeella rigens*), Sheath Blight of Rice (*Dharmotrichum oryzae*), Late Blight (*Phytophthora infestans*), Anthracnose (*Colletotrichum gloeosporioides*), Gray Mildew Disease (*Oomycetes oryzae*), Pinus Yellow Needle (*Oidium spp.*), Downy Mildew (*Peronospora spora*), Coffee Rust (*Hemileia vastatrix*), and other common pathogenic plant fungi. (Please contact the company for the further harmful fungi list appendix or the product SDS)

**GUARANTEED ANALYSIS**

<b>Active Ingredients</b>	
Bacillus sp. ....	2.00%
Contains a minimum of 1 x 10 <sup>10</sup> colony-forming units per milliliter.	
<b>Other Ingredients:</b> .....	98.00%
<b>Total:</b> .....	100.00%

\* All microbial and/or biological is considered naturally-derived nonpathogenic, non-toxic, non-pHAl, non-herbicidal, and non-corrosive. All microorganisms are not considered to be pathogenic for livestock or poultry.

As this is a 100% natural organic product there may be up to a 10% tolerance from batch to batch.

**ATTENTION**  
Please read and follow the SDS instructions for safety precautions, storage, and maintenance of PPE (Personal Protection Equipment). Not for human consumption. Keep out of reach of children.

**STORAGE**  
Store indoors in a cool, dry place. Close packets if not fully used. Shake well. Wash exposed areas thoroughly with soap and water after handling. Avoid eye contact.

**WARRANTY LIMITATIONS**  
Any liability, expressed or implied, is limited to the purchase price of this product.

**GENERAL APPLICATION AND DILUTION INSTRUCTION**  
Agitate 100 ml MicrobeBio X5™ into at least 10 liters of non-chlorine water \*\* to treatment.

\*\* While diluting or ingesting crops, the grower can dilute the product into chlorinated water after the chlorinated water has been standing for over 24 hours in an open container that allows chlorine gas to dissipate. For optimal results, we recommend using MicrobeBio X5™ in a combination with other MicrobeBio® products.

Manufactured by:  
**MicrobeBio Inc.**  
28825 Newark Street, #2  
Magnolia, TX 77355  
www.microbebio.com  
info@microbebio.com

NET WT. 500G

MADE IN USA

## TREATMENT

**Fungal:** *Phytophthora sp.*, *Rhizoctonia sp.*, *Fusarium sp.*, *Corticium salmonicolor*, *Colletrichum gloeosporioides*, *Cephaleuros virescens*, *Magnaporthe grisea*, *Fusarium moniliforme*, *Cochliobolus miyabeanus*, *Ustilaginoidea virens*, *Cercospora leaf spot*, *Cercospora oryzae*, *Magnaporthe grisea*, *Rhizoctonia solani*, *Magnaporthe salvinii*.

## GENERAL APPLICATION

**Prevent:** agitate 200 g MicrobeBio® X5™ into at least 200 liters of non-chlorine water \*\* to treat 1 hectare.

**Treat:** agitate 500 g MicrobeBio® X5™ into at least 200 liters of non-chlorine water \*\* to treat 1 hectare.

*Note: Water and treat for pests and diseases every 3 weeks until the disease no longer appears.*

**Effective Golden Apple Snail Control:** MicrobeBio® X8™ is specifically designed to prevent and suppress outbreaks of the Golden Apple Snail family, safeguarding your ecosystem.

**Balanced Ecosystem:** Our solution promotes a balanced and healthy ecosystem by reducing the need for harmful chemical pesticides.

**Comprehensive Snail Control:** MicrobeBio® X8™ takes a multi-faceted approach to Golden Apple Snail control, ensuring long-term protection.

**Benefit to All Microbes:** While targeting snail control, it also fosters the growth and vitality of beneficial microorganisms in your ecosystem.

**Environmental Protection:** MicrobeBio® X8™ prioritizes environmental protection, allowing you to mitigate snail threats without harming the environment.

Choose MicrobeBio® X8™ for a holistic and eco-friendly solution to Golden Apple Snail control, preserving your ecosystem's harmony and health.



## Safeguarding Ecosystems, Combating Golden Apple Snail Infestations

MicrobeBio® X8™ is an environmentally responsible solution fortified with a unique consortium of beneficial microorganisms, each with a specific focus on controlling and preventing outbreaks of the Golden Apple Snail family. This includes Channeled Apple Snails, Golden Apple Snails, Spike-Topped Apple Snails, Viviparidae, Pomacea paludosa, Pomacea lineata, Marisa cornuarietis, Pila, Asolene, Lanistes, and more.

Our formula features a diverse array of microbes, including *Bacillus subtilis*, *Trichoderma harzianum*, and *Azotobacter*, each with essential roles in maintaining ecological balance and combating the menace posed by Golden Apple Snails.

### The Microbial Defenders:

- These microorganisms are the cornerstone of our formula, playing a pivotal role in Golden Apple Snail control.
- These beneficial fungi bolster the ecosystem's resilience against snail infestations.
- These microorganisms contribute to a balanced environment while mitigating the threat of snail outbreaks.

**Comprehensive Snail Control:** MicrobeBio® X8™ takes a multi-pronged approach to Golden Apple Snail control. It not only targets the snails directly but also creates an environment conducive to their natural predators. This comprehensive

strategy ensures the long-term protection of your ecosystem.

**Balanced Ecosystem:** By harnessing the power of beneficial microorganisms and fungi, MicrobeBio® X8™ minimizes the need for harmful chemical pesticides, preserving the ecological harmony of your surroundings.

**Benefit to All Microbes:** While our formula is primed for Golden Apple Snail control, it fosters the growth and vitality of all beneficial microorganisms in your ecosystem. This includes organisms such as *Paecilomyces lilacinus*, entomopathogenic fungi, *Pseudomonas fluorescens*, *P. aeruginosa*, and more. By bolstering these microorganisms, MicrobeBio® X8™ contributes to the health of your soil and the well-being of your entire ecosystem.

**Safeguarding the Environment:** MicrobeBio® X8™ prioritizes environmental protection, ensuring that your ecosystem remains in balance while combatting Golden Apple Snail infestations. With our solution, you can mitigate the snail threat without harming the environment.

Choose MicrobeBio® X8™ for an eco-friendly, balanced approach to Golden Apple Snail control. Protect your ecosystem, nurture beneficial microorganisms, and promote a healthier environment. With MicrobeBio® X8™, you're not just preventing snail outbreaks; you're cultivating ecological harmony.



## TREATMENT

**SNAIL:** Channeled apple snails or Golden Apple snails, Spike-topped apple snail, Viviparidae, Pomacea paludosa, Pomacea lineata, Marisa cornuarietis, Pila, Asolene, Lanistes, ....

## GENERAL APPLICATION

**Prevent:** agitate 200 g MicrobeBio® X8™ into at least 200 liters of non-chlorine water \*\* to treat 1 hectare.

**Treat:** agitate 500 g MicrobeBio® X8™ into at least 200 liters of non-chlorine water \*\* to treat 1 hectare.

*Note: Water and treat for pests and diseases every 3 weeks until the disease no longer appears.*

**INTRODUCTION**  
MicrobeBio X8™ contains value-added biologicals shown to be effective for the prevention and suppression outbreak of the Golden apple snails family such as Channeled apple snail or Golden Apple snail, Spike-topped apple snail, Viviparidae, Pomacea paludosa, Pomacea lineata, Marisa cornuarietis, Pila, Asolene, Lanistes.

**GENERAL APPLICATION AND DILUTION INSTRUCTION**  
Agitate 500 g MicrobeBio X8™ into at least 200 liters of non-chlorine water \*\* for at least 24 hours. Continue to dilute the mixture into at least 200 liters of non-chlorine water \*\* to treat 1 hectare.

**GUARANTEED ANALYSIS**  
CONTAINS NON-PLANT FOOD INGREDIENTS:  
Bacteria: 100,000,000 CFU per gram  
Microbial Soil Inoculant ..... 1.02%  
Inert Ingredients: 98.98%  
(Dextrose, Glycerol Lactate)

**ATTENTION**  
Please read and follow the SDS instructions for safety precautions, cleaning, and maintenance of PPE (Personal Protection Equipment) for the human consumption. Keep out of reach of children.

**STORAGE**  
Store indoors in a cool, dry place. Close packets if not fully used. Shake well, strain exposed snail thoroughly with soap and water after handling. Avoid eye contact.

**WARRANTY LIMITATIONS**  
Any liability, expressed or implied, is limited to the purchase price of this product.

**2.0**

**Net Wt. 1KG**

**Manufactured by:**  
**MicrobeBio® Inc**  
28928 Nichols Summit Rd, Magnolia, TX 77358  
www.microbebio.com • info@microbebio.com

**SDS No:**  
**EXP DATE:**

**MADE IN USA**



**MicrobeBio®**  
**X11**

**INTRODUCTION**  
MicrobeBio® X11™ significantly accelerates compost to reduce residue stubble before the next cropping season. The unique, rigid, and stable formulation has been designed to compost and break down residue, improve seed-to-soil contact, and help lessen planter or tillage harm from tough crop stalks. MicrobeBio® X11™ can reverse nutrient tie-up in crop residue to provide more available nutrients for your next season's planting. MicrobeBio® X11™ allows you to construct a healthy soil biome for a continued season-long composting blend of proprietary benefit anaerobic microbes selected for their ability to oxidize sulfides to elemental sulfur and accelerate composting crop residue. MicrobeBio® X11™ specially selected naturally occurring bacteria and fungi in a patent activator that offers the energy to jumpstart decomposition while controlling odors.

**GUARANTEED ANALYSIS**  
**CONTAINS NON-PLANT FOOD INGREDIENTS\*\***  
Bacteria: 100,000,000 CFU per gram  
Microbial Soil Inoculant ..... 1.92%  
Inert Ingredients (Dextrose, Gey Lecithin) 98.08%  
\*\* Other inert ingredients derived from proprietary nutrients and organic matter.  
\*\*\* All microbial is considered naturally-derived, non-pathogenic, non-toxic, non-GMO, non-hazardous, and non-corrosive. All microorganisms are not considered to be pathogenic for livestock or poultry.  
At 100% or 100% natural organic product there may be up to a 10% tolerance from actual to declared.

**GENERAL APPLICATION AND DILUTION INSTRUCTION**  
Apply 500 g MicrobeBio® X11™ into at least 10 liters non-chlorine water \*\* for at least 24 hours. Continue to dilute the mixture into at least 200 liters of non-chlorine water \*\* to treat 1 hectare.  
\*\* While skilling or ingesting crops, the growers can dilute the product into chlorinated water after the chlorinated water has been standing for over 24 hours in an open container that allows chlorine gas to dissipate.  
For optimal results, we recommend using MicrobeBio® X11™ in a combination with other MicrobeBio® products.

**ATTENTION**  
Please read and follow the SDS instructions for safety precautions, cleaning, and maintenance of PPE (Personal Protection Equipment).  
Not for human consumption.  
Keep out of reach of children.

**STORAGE**  
Store indoors in a cool, dry place. Close packets if not fully used. Store well. Wash exposed areas thoroughly with soap and water after handling. Avoid eye contact.

**WARRANTY LIMITATIONS**  
Any liability, expressed or implied, is limited to the purchase price of this product.

**Manufactured by:**  
**MicrobeBio® Inc.**  
28425 Nimitz Avenue, Magnolia, TX 77355  
www.microbebio.com • info@microbebio.com



**MADE IN USA**

**Net Wt. 1 KG**

MicrobeBio® X11™ is a unique propriety beneficial microbes formula that helps to reverse nutrient tie-up in crop residue. This provides more readily available nutrients for the next season’s planting and allows you to create a healthy soil biome. A proprietary blend of anaerobic microbes has been carefully selected for their ability to oxidize sulfides into elemental sulfur and accelerate composting of crop residue. MicrobeBio® X11™ offers farmers the perfect way to get ahead in their season-long fertilization plan by improving soil quality, delivering important benefits to their crops, and helping ensure rescue. Breaking down stubble helps to create better seed-to-soil contact and reduces the strain on tire and planter machinery caused by tough crop stalks.

The rigid and stable formulation is tailored for use in crops such as rice, corn, wheat, cotton, soybeans, alfalfa, and sunflower. MicrobeBio® X11™ improves nutrient availability for healthy growth and efficient harvesting.

For farmers looking to get their fields ready for the next season quickly and with minimal effort, MicrobeBio X11 provides a reliable solution with guaranteed results.

MicrobeBio® X11™ is a powerful activator that can kickstart the

decomposition of animal manure and green waste into a stable and odor-free fertilizer. This unique mixture of selected bacteria and fungi offers the energy necessary to break down organic matter, producing a nutrient-rich soil amendment for crops. MicrobeBio® X11™ works quickly and efficiently, providing an effective solution to get your garden, farm or other agricultural spaces up and running. It's easy to use – simply spread it evenly over the area in need of help and let nature take its course! With MicrobeBio®, you can be sure that your plants will receive all the benefits they require from microbial decomposition without any unpleasant odors.

## BENEFITS



- Reduces Composting Time
- Accelerates Crop Residue Decomposition
- Controls and Eliminates Fecal Coliforms and Salmonella
- Stabilizes Animal Manure and Produces Valuable Biofertilizers
- Lower COD
- Reduce Suspended Solids
- Lower FOG
- Reduce Wastewater Sludge Volume
- Control H<sub>2</sub>S
- Reduce surfactants/chemicals
- Control Odor
- Reduce landfill organic waste
- Accelerate the decomposition of animal manure



**MicrobeBio<sup>®</sup>**

**MICROBEBIO MICROBIAL TECHNOLOGY**

*Beneficial. Microbial. Soil. Enhancements*