

MicrobeBio[®]

Integrated Crop Enhancement System



EMPOWERING SOIL BIOLOGY

Builds a strong foundation from the ground up



ENHANCING PLANT PERFORMANCE

Improves nutrient uptake and boosts resilience



MAXIMIZING YIELD & QUALITY

Better growth. Higher yield. Superior quality.



SUSTAINING OUR FUTURE

Sustainable solutions for healthier soil and a greener tomorrow



STRENGTHENS
SOIL HEALTH



OPTIMIZES
NUTRIENT USE



SUPPORTS
PLANT RESILIENCE



DRIVES
SUSTAINABLE
PRODUCTIVITY



GROWING WITH NATURE THROUGH BIOLOGICAL SYNERGY

The MicrobeBio® product portfolio was designed as a complete biological farming system where each product performs a specialized function while working synergistically with the others. Together they help increase yield, improve crop quality, enhance aroma and flavor, strengthen plant health, suppress pests and diseases, improve soil fertility, reduce chemical dependency, and promote long-term sustainability.

Rather than relying on a single product, the MicrobeBio® system creates a biological ecosystem around the plant, supporting roots, soil biology, nutrient availability, plant metabolism, and natural defense mechanisms throughout the entire crop cycle.



MICROBEBIO AQUA ACTIVATOR™

CROP BENEFITS



RICE

- Increased tillering
- Stronger root mass
- Improved grain filling
- Higher yields

CORN/MAIZE

- Increased ear size
- Better kernel fill
- Enhanced stalk strength

BANANA/PLANTAIN

- Improved sucker development
- Larger bunches
- Better fruit uniformity

FRUIT TREES

- Enhanced flowering
- Better fruit retention
- Improved fruit quality

VEGETABLES

- Faster growth
- Improved marketable yield
- Enhanced shelf life



MICROBEBIO BIOCORE™

MicrobeBio®

BIOCORE

**PREMIUM BIOLOGICAL FERTILIZER
FOR HEALTHY SOIL & HIGHER YIELDS**

- ENHANCES ROOT GROWTH & PLANT VIGOR
- IMPROVES SOIL FERTILITY NATURALLY
- BOOSTS BENEFICIAL MICROBES & SOIL BIODIVERSITY
- ENHANCES NUTRIENT AVAILABILITY & UPTAKE
- INCREASES STRESS TOLERANCE & PLANT RESILIENCE
- 100% NATURAL & SAFE
- RICH IN ORGANIC MATTER
- MICROBE ENRICHED FORMULA
- IMPROVES SOIL STRUCTURE & WATER HOLDING
- SUPPORTS LONG-TERM SOIL HEALTH & SUSTAINABILITY
- PROMOTES HEALTHY GROWTH & HIGHER YIELD QUALITY

APPLICATION RATES			
FIELD CROPS 50 - 200 kg/ha	FRUIT TREES 0.5 - 2 kg/tree	VEGETABLES 25 - 100 kg/ha	NURSERY / POTTING MIX 1 - 5% soil blend

IDEAL FOR	
<input checked="" type="checkbox"/>	IMPROVING SOIL FERTILITY
<input checked="" type="checkbox"/>	ENHANCING PLANT GROWTH
<input checked="" type="checkbox"/>	INCREASING YIELD & QUALITY
<input checked="" type="checkbox"/>	SUPPORTING SUSTAINABLE FARMING
<input checked="" type="checkbox"/>	LONG-TERM SOIL HEALTH

NET WEIGHT
25 kg
Also Available: 1 kg | 5 kg | Bulk

- ECO FRIENDLY
- SAFE & NON TOXIC
- SUSTAINABLE SOLUTION

**FOR AGRICULTURAL USE
EXPORT ONLY**

SOIL BIOLOGY FOUNDATION

BioCore™ establishes and maintains a healthy rhizosphere environment.

FUNCTIONS

- Feeds beneficial microbes
- Improves soil biodiversity
- Increases organic matter decomposition
- Releases locked nutrients
- Improves nutrient cycling
- Supports microbial colonization

BENEFITS

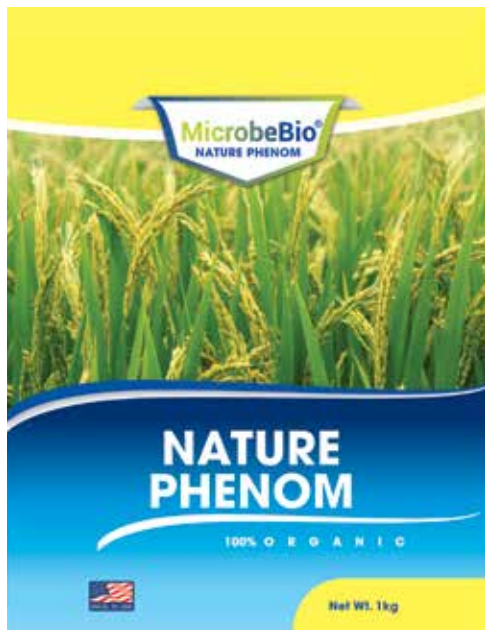
- Better nutrient efficiency
- Improved soil structure
- Increased root-zone biological activity
- Long-term soil health improvement



MICROBEBIO NATURE PHENOM™ SERIES

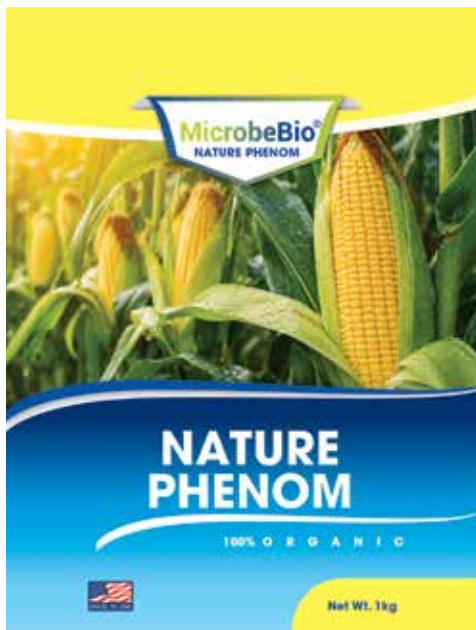
Crop-Specific Yield Optimization Technology

Nature Phenom™ formulations are tailored for specific crops.



NATURE PHENOM RICE™

- Maximizes tillering
- Improves panicle development
- Enhances grain filling
- Increases grain weight
- Improves rice aroma and quality



NATURE PHENOM CORN/MAIZE™

- Improves ear development
- Enhances kernel formation
- Increases grain density
- Improves drought tolerance



NATURE PHENOM BANANA/PLANTAIN™

- Increases bunch weight
- Improves fruit uniformity
- Enhances sweetness
- Improves shelf life



MICROBEBIO X1™

ROOT HEALTH AND SOIL PROTECTION

X1™ protects roots while enhancing soil biology.

FUNCTIONS

- Colonizes root systems
- Suppresses harmful soil pathogens
- Improves nutrient solubilization
- Enhances root growth
- Improves microbial diversity

CONTROLS

- Root-knot nematodes
- Lesion nematodes
- Soilborne pathogens
- Root diseases

BENEFITS

- Stronger root systems
- Improved nutrient uptake
- Increased drought tolerance
- Better crop establishment



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.; *Rhizoglyphus* sp.; *Pharylenchus* sp.; *Rhynchulus* sp.; *Tylenchus* sp.

GUARANTEED ANALYSIS

Active Ingredients	2.20%
<i>Purpurocaulum</i> spp.	2.20%
Contains a minimum of 2 x 10 ⁷ viable spores/grams	
Other Ingredients	97.80%
Total	100.00%

** All nematodes and/or biologicals considered naturally-derived, non-pathogenic, non-toxic, non-GMO, non-hazardous, and non-persistent. All microorganisms are self-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.

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 mixing or spraying must, the grower can dilute the product into chlorinated water after the chlorinated water has been standing for over 48 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.

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. 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. 1KG

MicrobeBio Inc.
 20925 Nichols Savinell Rd,
 Magnolia, TX 77355
 www.microbebio.com
 info@microbebio.com






MICROBEBIO X3™



MICROBEBIO X3-SB™

MicrobeBio®

X3.SB

INTRODUCTION

MicrobeBio X3™ contains proprietary beneficial biologicals shown to be effective for the prevention and suppression outbreaks of soft-bodied insects such as:

African Weevil, Aphid, Asian-Cloaking Moths, Fall Army Worms, Box Beetles, Bean Leaf Beetle, Red Leafhopper, Beetles, Black Vine Weevil, Boll Weevil, Cabbage Looper, Cabbage Worm, Cone Borer, Caterpillars, Corn Leaf Beetle, Corn Earworm, Coffee Borer Beetle, Codling Moth, Colorado Potato Beetle, Corn Borer, Cucumber Beetle, Dogwood Leafhopper, Ground Squirrel, Pear and Plum, Fungus Gnats, Grasshoppers, Greenhouse Whitefly, Invasive Silkmoths, Japanese Beetle, Lygus Bugs, Mealybugs, Mexican Bean Beetle, Alfalfa Pyralis, Red Palm Weevil, Shore Flies, Stem Borers, Stink Bugs, Strawberry Root Weevil, Tomatoes, Flies, Whiteflies, White Grubs.

Notice: MicrobeBio X3™ is an organic biological probiotic product to prevent harmful pests and insects, so the product does not knock-out or prevent instant results as other chemical products in the market.

MADE IN USA

GUARANTEED ANALYSIS

CONTAINS NON-PLANT FOOD INGREDIENTS**

Proprietary Beneficial Bacteria:
1 x 10¹⁰ CFU Per Gram (each)***

- *Bacillus* spp.

** Other Insect Ingredients derived from proprietary nutrients and organisms.

*** All microbial is considered naturally-derived non-pathogenic, non-toxic, non-GMO, non-virulent, and non-ovicidal. 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.

GENERAL APPLICATION AND DILUTION INSTRUCTION

Apply 500 g MicrobeBio X3™ 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 diluting or irrigating crops, the growers can dilute the product into chlorinated water, other than 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 X3™ 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. 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.
28026 Nichols Goumill Rd. Magnolia, TX 77865
www.microbebio.com • info@microbebio.com

Net Wt. 1KG

SPECIALIZED STINK BUG AND STEM BORER PROTECTION

Enhanced biological protection for difficult insect pests.

CONTROLS

- Rice stink bugs
- Corn stink bugs
- Stem borers
- Fruit-piercing pests
- Hard-to-control sucking insects

BENEFITS

- Reduced grain damage
- Improved grain quality
- Better protection during reproductive stages



MICROBEBIO X5™

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 Sigatoka (*Mycosphaerella fijiensis*), Sheath blight of Rice (*Phaeoacremon scariosa*), Late Blight (*Phytophthora infestans*), Anthracnose (*Colletotrichum gloeosporioides*), Grey Mould Disease (*Botrytis cinerea*), Powdery Mildew (*Oidium spp.*), Downy Mildew (*Peronospora sparsa*), 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

Active Ingredients	
Bacillus sp.	2.00%
Contains a minimum of 1.0×10^8 colony-forming units per milliliter	
Other Ingredients:	98.00%
Total:	100.00%

* All microbial species biological in contained naturally-derived, non-pathogenic, non-toxic, non-GMO, non-hazardous, and non-persistent. 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 label to batch.

GENERAL APPLICATION AND DILUTION INSTRUCTION
Apply 400 ml MicrobeBio X5™ 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 diluting or spraying 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 X5™ 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. 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.

Batch No.:
EXP. DATE:

MADE IN USA

Net Wt. 1 liter

Manufactured by:
MicrobeBio® Inc.
28925 Nichols Summit Rd,
Magnolia, TX 77355
www.microbebio.com
info@microbebio.com

BIOLOGICAL DISEASE MANAGEMENT

X5™ protects crops against major fungal and bacterial diseases.

CONTROLS RICE

- Blast
- Sheath blight
- Brown spot

CORN/MAIZE

- Rusts
- Gray leaf spot
- Fusarium diseases

BANANA

- Sigatoka diseases
- Root rots

FRUIT TREES

- Anthracnose
- Powdery mildew
- Fruit rots

VEGETABLES

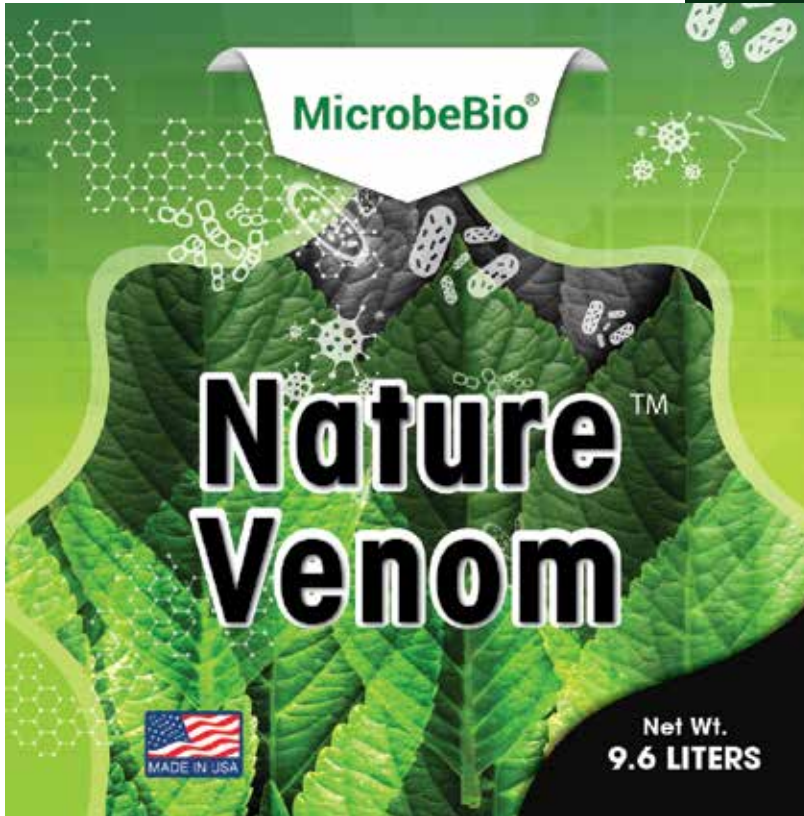
- Damping-off
- Fusarium wilt
- Early blight
- Late blight

BENEFITS

- Reduced disease pressure
- Improved plant vigor
- Better yields
- Enhanced crop quality



MICROBEBIO NATURE VENOM™



BOTANICAL PEST REPELLENT

Nature Venom™ creates a natural repellent barrier.

FUNCTIONS

- Repels insect pests
- Reduces feeding activity
- Disrupts pest behavior
- Supports integrated pest management

BENEFITS

- Reduced pest pressure
- Lower chemical pesticide dependency



MICROBEBIO GREEN FURY™



BOTANICAL DEFENSE ENHANCER

Green Fury™ strengthens natural crop defenses.

FUNCTIONS

- Repels insects
- Supports plant immune response
- Improves crop resilience
- Reduces pest infestations



MICROBEBIO X6™



ADVANCED BIOLOGICAL PEST SUPPRESSION

X6™ provides additional biological protection against persistent insect populations.

BENEFITS

- Enhanced biological control
- Longer protection
- Reduced pest reproduction
- Improved field performance



MICROBEBIO AQUA CAL™



STRONGER SOIL. STRONGER CROPS. BETTER RESULTS.

INTRODUCTION

MICROBEBIO AQUA CAL 500™ is a bio-activated liquid calcium formulation designed to rapidly improve soil conditions, enhance nutrient availability, and support strong root growth.

The product delivers highly available calcium combined with organic complexing agents to improve soil structure, stimulate root development, and promote early crop establishment.

When used as part of an integrated system, it supports natural weed suppression by improving crop competitiveness.

GENERAL APPLICATION

Soil Application: 5-10 L/ha

Apply:

- After tilling
- Before or during early flooding
- Early vegetative stages

KEY BENEFITS

- Fast soil activation
- Improved nutrient efficiency
- Stronger root systems
- Faster canopy development
- Reduced weed competition
- Increased yield and grain quality
- Lower input costs over time

GUARANTEED ANALYSIS

Calcium (Ca)	≥ 8.0%
Organic Acids (Azoalate Complex)	Proprietary
Humic Substances	≥ 2.0%
Fulvic Acid	≥ 1.0%
Amino Acids	≥ 1.0%
Trace Elements (Zn, B)	< 0.8%

WARRANTY LIMITATIONS

This product contains chemical ingredients which are not intended to be used as a fertilizer. It is not intended to be used as a soil amendment or to replace any other soil amendment. It is not intended to be used as a soil amendment or to replace any other soil amendment. It is not intended to be used as a soil amendment or to replace any other soil amendment.

STORAGE

Store in a cool, dry place. Do not store in direct sunlight. Do not store in areas where it may be exposed to moisture. Do not store in areas where it may be exposed to moisture.

ATTENTION

Please read and follow all instructions for safe handling, storage, and maintenance of this product. Do not use if the container is damaged. Do not use if the container is damaged.

BATCH No.: MB-E-01300200
EXP. DATE: 01/15/2029

Manufactured by:
MicrobeBio Inc.
10681 Overland Dr. C, Building C,
Huntington Beach, CA 92649



website: www.microbebio.com

info@microbebio.com

Net Wt. 1kg

SOIL CONDITIONING AND WEED SUPPRESSION

Aqua Cal™ improves soil conditions while helping suppress weeds.

FUNCTIONS

- Improves calcium availability
- Enhances soil structure
- Improves nutrient balance
- Reduces weed competitiveness

BENEFITS

- Stronger crop growth
- Improved root development
- Reduced weed pressure



MICROBEBIO HYDRO ACTIVATOR™

MicrobeBio®

**HYDRO™
ACTIVATOR**

Net Wt. 2.5 gallon (10 liters)

MICROBEBIO® HYDRO ACTIVATOR™

This liquid bio-fertilizer is an excellent natural organic matter with primary nutrients (NPK), slow-released, nitrogen sources, more than 40 minerals, and beneficial microorganisms that can be applied to the root zone of plants and/or sprayed directly onto leaf surfaces throughout the growing season. Provide healthy bio-available source of food and energy for soil microbes. Our product improves the biochemical processes such as carbon cycle, nitrogen cycle, mineralization, and decomposition. It has the ability to lock, convert, stabilize and increase nitrogen in the soil. Our products work from the soil up to the plant.

THE BENEFITS

- Stimulate biological activity by increasing microbial colony.
- Provide healthy bio-available source of food and energy for soil microbes.
- Stimulate plant growth and increased yield.
- Deliver primary nutrients (NPK).
- Increase soil acidity and heavy metal contamination in soils.
- Regulate pH in acid or alkaline conditions.
- Increases BRIX levels.
- Increase organic matter in the soil to enhance strength and vigor of plants.
- Increase Carbon source.
- Increase Chlorophyll Content.
- Enhance natural defenses against pests, and plant diseases soil.
- Improve water retention and increase drought tolerance.
- Improve soil structure.
- Effectively break down nutrients to make available to plant roots.
- Increase soil fertility.
- Offer a source of sulfur-free nitrogen.
- Enhance microorganisms in the soil the soil.

GENERAL APPLICATION

- **Application:** Using 8 liters to treat 1 hectare. For optimal results, we recommend to use Hydro Activator™ in combination with other MicrobeBio products. Consult product literature for specific crop rotation schedules.
- **Dilution:** Dilute each application of product into at least 200 liters of non-chlorine water** to treat 1 hectare.

** While diluting or mixing chemicals, the growers can still do the product bio-activation under either the chlorinated water has been standing for over 48 hours in an open container that allows chlorine gas to dissipate.

WARRANTY LIMITATIONS

This information contained on this label is believed to be accurate and reliable. There can no warranty that extend beyond the guaranteed analysis on the first harvest. All claims against pesticides are limited to measurement of product or volume of purchase price, or otherwise specified by law. The buyer's use, knowledge and assumes all liability resulting from the use of this material. Since, method of application, weather, crop conditions, and other factors are beyond the control of the seller, MICROBEBIO DISCLAIMS ALL OTHER WARRANTIES, MERCHANTABILITY, EXPRESSED OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTY ON MERCHANTABILITY OR WARRANTY OF FITNESS FOR A PARTICULAR PURPOSE, in no event shall MICROBEBIO be liable for damages resulting from the use of this product under any special, consequential or incidental damages of any kind.

website: www.microbebio.com email: info@microbebio.com

GUARANTEED ANALYSIS


Nutrients	Specification
Total Nitrogen (N)	5.25%
4.34 % Water Soluble Nitrogen	
0.96 % Water Insoluble Nitrogen	
Available Phosphate (P ₂ O ₅)	4.00 %
Soluble Potash (K ₂ O)	3.00 %

Derived from: hydrolyzed Fish, Sodium Nitrate, Potassium Sulfate

ATTENTION

Please read and follow label instructions for safe application, storage, and maintenance of PPE (Personal Protective Equipment).
Not for human consumption.
Keep out of reach of children.

Batch No.:
Exp. Date:



Manufactured By:
MicrobeBio Inc.
28020 Avenida Serrano Rd
Magnolia, TX 77056

FISH-BASED NUTRITIONAL ACCELERATOR

Hydro Activator™ supplies highly available nutrients, amino acids, vitamins, and trace minerals.

FUNCTIONS

- Rapid nutrient delivery
- Amino acid supplementation
- Stimulates microbial activity
- Supports plant metabolism

BENEFITS RICE

Improved grain filling

CORN/MAIZE

Better kernel development

BANANA

Larger bunches

FRUIT TREES

Improved fruit size

VEGETABLES

Enhanced growth and quality



COMPLETE MICROBEBIO® SYSTEM SYNERGY

SOIL FOUNDATION

- BioCore™ + Rhizo Activator™ + Aqua Cal™
- Build soil fertility, biological activity, and nutrient availability.

ROOT PROTECTION

- X1™ + Aqua Activator™
- Protect roots while maximizing nutrient uptake.

NUTRITION

- Hydro Activator™ + Foliar™ + Nature Phenom™
- Provide balanced nutrition and crop-specific optimization.

PEST MANAGEMENT

- X3™ + X3-SB™ + Nature Venom™ + Green Fury™ + X6™
- Provide multi-layer biological insect control.

DISEASE MANAGEMENT

- X5™
- Protects crops from major fungal and bacterial diseases.

STRESS PROTECTION

- Nano S9™
- Improves resistance to drought, heat, lodging, and environmental stress.

FINAL RESULT



When used together, the MicrobeBio® Integrated Crop System helps producers achieve:

- Higher yields
- Improved crop quality
- Better aroma and flavor
- Enhanced nutritional value
- Reduced pest damage
- Reduced disease pressure
- Improved root development
- Better nutrient efficiency
- Reduced chemical inputs
- Increased soil health
- Enhanced carbon sequestration
- Greater sustainability and profitability

The result is a complete biological production system designed to maximize the genetic potential of rice, corn/maize, banana/plantain, fruit trees, and vegetable crops while improving environmental stewardship and long-term farm productivity.

