

MicrobeBio®

MICROBEBIO NV™

ADVANCED HUMIC BIO-ACTIVATOR

POTASSIUM HUMATE + AMINO ACIDS + SEAWEED EXTRACT



STRONGER ROOTS

Promotes vigorous root growth and nutrient uptake



HEALTHIER PLANTS

Enhances plant metabolism and stress tolerance



BETTER YIELD & QUALITY

Improves crop yield, quality and shelf life



SOIL HEALTH & MICROBIOME

Improves soil structure and boosts beneficial microbial activity



IMPROVES SOIL
STRUCTURE



ENHANCES NUTRIENT
EFFICIENCY



REDUCES STRESS
IMPACTS



BOOSTS MICROBAL
ACTIVITY



ADVANCED BIOLOGICAL SOLUTIONS
FOR SUSTAINABLE AGRICULTURE



RICE



CORN



FRUITS



VEGETABLES



PLANTATIONS

FOR ALL CROPS



100%
ORGANIC

FOR EXPORT
USE ONLY

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SOIL HEALTH
CROP PERFORMANCE
STRESS PROTECTION

GUARANTEED ANALYSIS

Humic Acid (dry basis)	≥ 60%
Potassium (K ₂ O)	≥ 10%
Amino Acids	≥ 5%
Seaweed Extract	≥ 5%
Organic Matter	≥ 70%

FOR ALL CROPS

- VEGETABLES
- FRUITS
- CEREALS
- PLANTATIONS

APPLICATION

Soil / Fertilization: 2 – 10 kg/ha
Foliar Spray: 200 – 400 g/200 L water

NET WEIGHT 25KG

100% ORGANIC | WATER SOLUBLE | ECO FRIENDLY

FOR EXPORT USE ONLY
STORE IN A COOL, DRY PLACE
KEEP SEALED.

REBUILD YOUR SOIL. UNLOCK YOUR YIELD.

WHAT IS MICROBEBIO NV™?

Microbebio NV™ is a premium biological soil and crop enhancement technology formulated with a powerful combination of high-activity humic substances, plant-derived amino acids, and marine bio-stimulants designed to improve soil fertility, maximize nutrient efficiency, and unlock the full genetic potential of crops.

NV™ works at the soil, root, and plant levels simultaneously, creating a stronger foundation for sustainable crop production while reducing environmental stress and improving long-term soil health.

Whether used in rice, corn, bananas, vegetables, fruit trees, coffee, cacao, sugarcane, or plantation crops, NV™ helps farmers achieve healthier plants, stronger root systems, higher yields, and superior crop quality.



WHY SOIL HEALTH MATTERS

Modern agricultural soils face increasing challenges:

- Declining organic matter
- Nutrient lock-up
- Soil compaction
- Poor water retention
- Salinity stress
- Reduced microbial activity
- Lower fertilizer efficiency
- Environmental degradation

As soil quality declines, crop performance follows.

Microbebio NV™ helps restore biological activity and improve soil function, creating a healthier growing environment for roots and beneficial microorganisms.



THE NV™ DIFFERENCE

TRIPLE-ACTION BIOLOGICAL TECHNOLOGY

SOIL ACTIVATION

NV™ improves soil structure and aggregation while increasing cation exchange capacity (CEC), allowing soils to retain more nutrients and water.

BENEFITS INCLUDE:

- Improved soil aeration
- Better moisture retention
- Reduced nutrient leaching
- Increased nutrient availability
- Enhanced organic matter performance





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NPK

ROOT DEVELOPMENT

A healthy root system is the foundation of high crop yields. NV™ stimulates root expansion and root hair development, enabling plants to explore more soil volume and access greater amounts of nutrients and water.

BENEFITS INCLUDE:

- Faster root establishment
- Stronger root mass
- Increased nutrient absorption
- Better transplant recovery
- Enhanced drought resilience

PLANT METABOLISM ENHANCEMENT

NV™ supports essential physiological functions responsible for growth, productivity, and crop quality.

BENEFITS INCLUDE:

- Increased chlorophyll production
- Enhanced photosynthesis
- Improved nutrient utilization
- Increased energy production
- Greater stress tolerance

HOW NV™ IMPROVES CROP PERFORMANCE

IMPROVED NUTRIENT EFFICIENCY

Many nutrients applied through fertilizers become unavailable due to fixation or leaching.

NV™ HELPS:

- Unlock bound nutrients
- Improve nutrient mobility
- Increase fertilizer efficiency
- Reduce nutrient losses
- Improve nutrient uptake

The result is more crop growth from every fertilizer dollar invested.



INCREASED WATER EFFICIENCY

NV™ improves soil water-holding capacity and root access to moisture.

BENEFITS:

- Better drought tolerance
 - Reduced irrigation requirements
 - Improved water infiltration
 - Greater resilience during dry periods
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IMPROVED STRESS TOLERANCE

Environmental stress can significantly reduce crop performance.

NV™ HELPS PLANTS TOLERATE:

- Heat stress
- Drought stress
- Salinity stress
- Transplant shock
- Nutritional stress
- Environmental fluctuations

BENEFITS FOR ALL CROPS



RICE

- Stronger tillering
- Improved panicle development
- Enhanced grain filling
- Increased grain weight
- Improved milling quality
- Higher yield potential



CORN / MAIZE

- Stronger root systems
- Improved nutrient uptake
- Better stalk strength
- Enhanced ear development
- Improved grain fill
- Higher yields



BANANA & PLANTAIN

- Improved root growth
- Greater nutrient efficiency
- Stronger pseudostems
- Enhanced bunch development
- Improved fruit size
- Better shelf life

FRUIT TREES

- Enhanced flowering
- Improved fruit set
- Better fruit sizing
- Increased sugar accumulation
- Improved color development
- Greater post-harvest quality

VEGETABLES

- Faster establishment
- Enhanced vigor
- Improved uniformity
- Better appearance
- Increased marketable yield
- Longer shelf life

A close-up photograph of a green rice panicle, showing the individual grains in detail. The background is a soft-focus green field.

QUALITY IMPROVEMENTS

NV™ helps improve crop quality characteristics valued by consumers and markets:

ENHANCED FLAVOR

Supports nutrient movement and sugar development.

IMPROVED AROMA

Promotes balanced plant metabolism.

HIGHER BRIX

Supports sugar accumulation and fruit quality.

BETTER APPEARANCE

Improves color, size, and uniformity.

EXTENDED SHELF LIFE

Improves plant health and post-harvest performance.



ENVIRONMENTAL BENEFITS

Microbebio NV™ supports regenerative agriculture by helping:

- Increase soil organic matter
- Improve carbon sequestration
- Reduce fertilizer losses
- Reduce nutrient runoff
- Improve soil biodiversity
- Support sustainable farming practices
- Protect waterways
- Reduce environmental impact



RECOMMENDED APPLICATION RATES

SOIL APPLICATION

2–10 kg/ha

FERTIGATION

2–5 kg/ha

FOLIAR APPLICATION

200–400 g per 200 L water

SEED TREATMENT

50–100 g per 100 kg seed





IDEAL PARTNER IN THE MICROBEBIO SYSTEM



For maximum performance, NV™ works synergistically with:

RHIZO ACTIVATOR™

Root establishment and soil biology

HYDRO ACTIVATOR™

Nitrogen and biological nutrition

NATURE VIGOR™

Enhanced biological stimulation

X1™

Root and soil protection

X5™

Disease suppression

X3™

Insect management

NANO S9™

Silica strengthening and stress protection

Together, these technologies create a complete biological crop management system.





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STRONGER ROOTS
HEALTHIER SOILS
BETTER NUTRIENT EFFICIENCY
GREATER STRESS TOLERANCE
HIGHER YIELD POTENTIAL
SUPERIOR CROP QUALITY





**REBUILD YOUR SOIL. UNLOCK YOUR
YIELD.** MICROBEBIO® – ADVANCED BIOLOGICAL
SOLUTIONS FOR SUSTAINABLE AGRICULTURE