

MicrobeBio®

NATURE PHENOM™

CORN & MAIZE



BUILT BY BIOLOGY. POWERED BY NATURE.



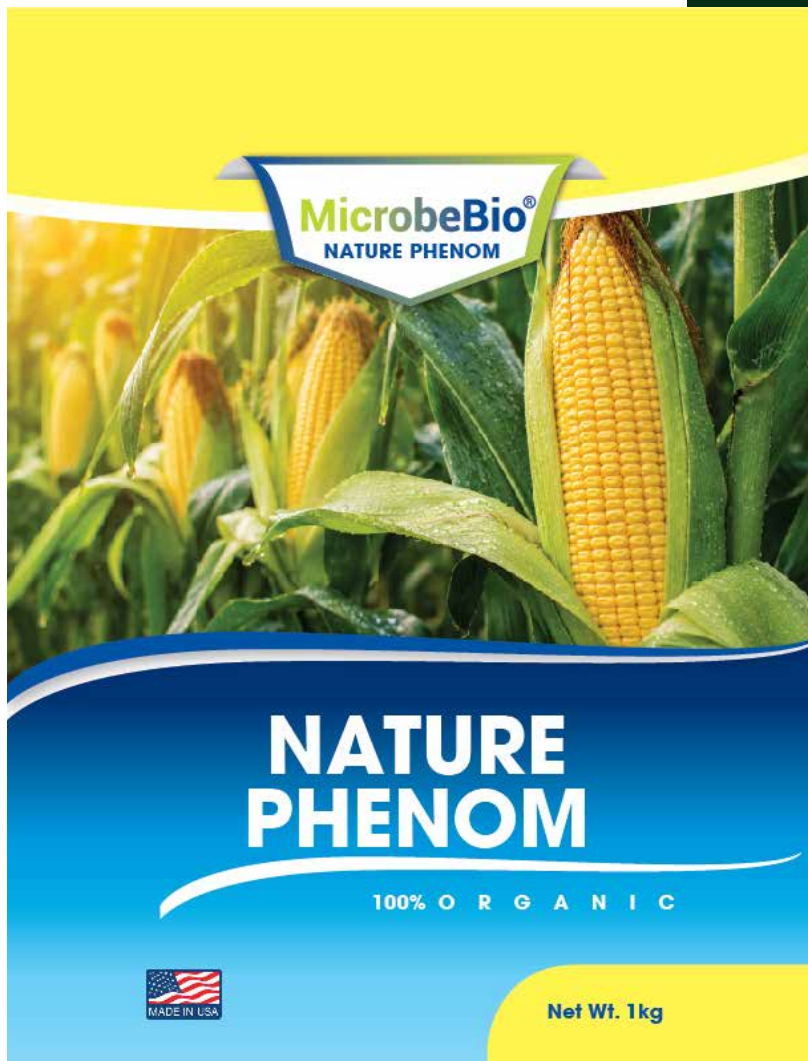
HEALTHY SOIL



STRONGER CROPS



BETTER HARVESTS



PRODUCT OVERVIEW

MicrobeBio® Nature Phenom™ Corn & Maize is a specialized biological crop enhancement system specifically formulated to maximize corn and maize productivity from seed germination through harvest. This advanced proprietary formula combines beneficial biological compounds, plant-growth-enhancing metabolites, natural nutrient mobilizers, microbial stimulants, organic carbon compounds, and rhizosphere-supporting ingredients that work together to optimize root development, nutrient efficiency, photosynthesis, grain fill, plant health, and overall yield potential.

Nature Phenom™ Corn & Maize was developed to address the unique nutritional and physiological demands of modern corn production. The formula supports rapid establishment, vigorous vegetative growth, improved pollination, enhanced kernel development, stronger stalks, improved stress tolerance, and superior grain quality while reducing environmental impact.

When used as part of the complete MicrobeBio® Integrated Crop Enhancement System with , Rhizo Activator™, Hydro Activator™, Nature Vigor™, X1™, X3™, X5™, Nano S9™, Foliar™, and Upshot™, Nature Phenom™ Corn & Maize creates a powerful biological symphony that maximizes productivity while regenerating soil health and protecting the environment.



HOW NATURE PHENOM™ CORN & MAIZE WORKS

Nature Phenom™ Corn & Maize supports five critical crop functions:

ROOT SYSTEM OPTIMIZATION

- Stimulates rapid root emergence and expansion
- Enhances lateral root formation
- Increases root hair density
- Improves nutrient scavenging capability
- Promotes deeper rooting for drought resistance

NUTRIENT EFFICIENCY ENHANCEMENT

- Improves nitrogen utilization
- Enhances phosphorus availability
- Increases potassium uptake
- Improves micronutrient absorption
- Reduces nutrient losses through leaching



PHOTOSYNTHETIC ENHANCEMENT

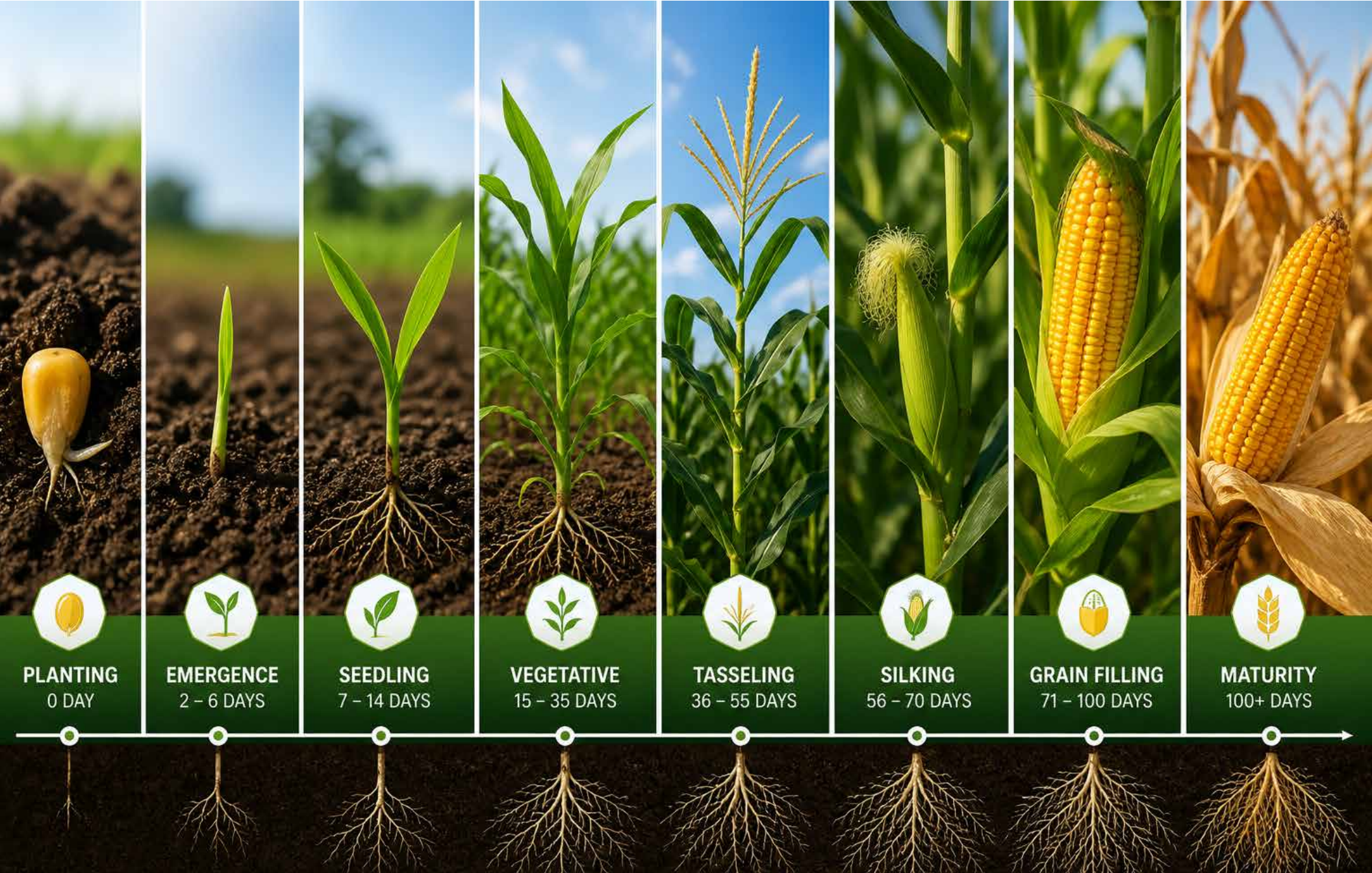
- Increases chlorophyll production
- Improves light utilization efficiency
- Enhances carbohydrate production
- Supports stronger stalk development
- Maximizes biomass production

GRAIN PRODUCTION SUPPORT

- Improves tassel development
- Enhances pollination success
- Supports kernel set
- Increases kernel weight
- Improves grain uniformity

STRESS MANAGEMENT

- Supports drought tolerance
- Enhances heat resistance
- Improves nutrient stress recovery
- Supports crop resilience during adverse weather
- Promotes faster recovery from environmental challenges



PLANTING
0 DAY



EMERGENCE
2 – 6 DAYS



SEEDLING
7 – 14 DAYS



VEGETATIVE
15 – 35 DAYS



TASSELING
36 – 55 DAYS



SILKING
56 – 70 DAYS



GRAIN FILLING
71 – 100 DAYS



MATURITY
100+ DAYS



BENEFITS DURING EACH GROWTH STAGE

SEED GERMINATION STAGE (VE) NATURE PHENOM™ CORN & MAIZE:

- Promotes rapid seed germination
- Encourages uniform emergence
- Enhances seedling vigor
- Stimulates early root establishment
- Supports strong stand establishment
- Improves early nutrient acquisition
- Reduces transplant and establishment stress

BENEFITS TO PLANT PARTS SEED

- Faster germination
- Improved vigor
- More uniform emergence

RADICLE ROOT

- Earlier development
- Greater rooting depth
- Improved nutrient acquisition



EARLY VEGETATIVE STAGE (V1-V6)

ROOT SYSTEM

- Increased root mass
- Greater root surface area
- Enhanced nutrient absorption
- Improved water uptake
- Stronger root anchorage

LEAVES

- Increased chlorophyll production
- Larger leaf area
- Improved photosynthetic activity
- Enhanced energy production

STALK DEVELOPMENT

- Stronger stalk formation
- Increased stem diameter
- Improved structural integrity

BENEFITS

- Faster canopy development
- Better weed competition
- Improved nutrient use efficiency
- Enhanced drought tolerance



RAPID VEGETATIVE GROWTH (V7-VT) LEAVES

- Maximizes photosynthetic capacity
- Improves sunlight interception
- Increases carbohydrate production

STALKS

- Strengthens stalk tissues
- Improves lodging resistance
- Supports nutrient transport

ROOT SYSTEM

- Maintains active root growth
- Enhances nutrient uptake
- Supports moisture acquisition

BENEFITS

- Increased biomass accumulation
- Enhanced plant vigor
- Improved stress tolerance
- Better nutrient utilization



TASSELING AND POLLINATION STAGE (VT-R1)

- Nature Phenom™ Corn & Maize supports one of the most critical stages of corn production.

TASSELS

- Improved pollen production
- Increased pollen viability
- Enhanced pollination success

SILKS

- Improved silk development
- Better synchronization of pollination
- Enhanced kernel initiation

BENEFITS

- Reduced pollination failure
- Improved kernel set
- More kernels per ear
- Better grain uniformity



GRAIN FILL STAGE (R2-R5) EARS

- Increased kernel retention
- Enhanced grain fill
- Improved kernel density
- Better grain weight

LEAVES

- Extended photosynthetic activity
- Delayed senescence
- Continued carbohydrate production

NUTRIENT MOVEMENT

- Improved nutrient translocation
- Enhanced starch accumulation
- Better grain quality

BENEFITS

- Increased yield potential
- Heavier kernels
- Improved test weight
- Greater harvest value



MATURITY AND HARVEST (R6) GRAIN QUALITY

Nature Phenom™ Corn & Maize helps produce:

- Higher grain density
- Improved kernel uniformity
- Enhanced nutritional value
- Better feed quality
- Improved milling quality

STORAGE BENEFITS

- Reduced stress-related deterioration
- Improved grain integrity
- Better storage performance
- Enhanced shelf life



CORN PLANT COMPONENT BENEFITS

ROOT SYSTEM

- Larger root mass
- Enhanced nutrient uptake
- Improved water efficiency
- Increased drought tolerance
- Stronger plant anchorage

STALKS

- Stronger structural support
- Reduced lodging
- Improved nutrient transport
- Better standability

LEAVES

- Higher chlorophyll levels
- Improved photosynthesis
- Greater energy production
- Enhanced stress resistance

TASSELS

- Improved pollen production
- Better pollination efficiency

EARS

- Increased ear size
- Improved kernel set
- Enhanced grain fill

KERNELS

- Higher starch accumulation
- Improved density
- Better grain quality
- Enhanced feed value



CROP QUALITY IMPROVEMENTS

Nature Phenom™ Corn & Maize helps improve:

- Enhanced flavor profile
- Improved consumer appeal

GRAIN QUALITY

- Higher test weight
- Improved starch content
- Better feed conversion value
- Enhanced nutrient density
- Improved processing quality

FEED CORN BENEFITS

- Improved digestibility
- Enhanced energy value
- Better livestock performance potential

AROMA AND TASTE

For sweet corn production:

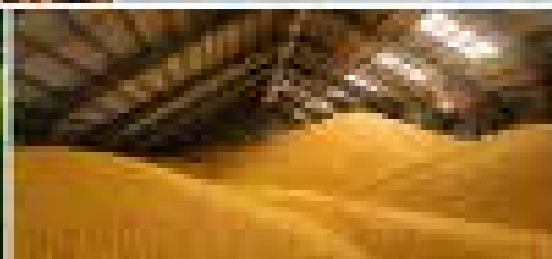
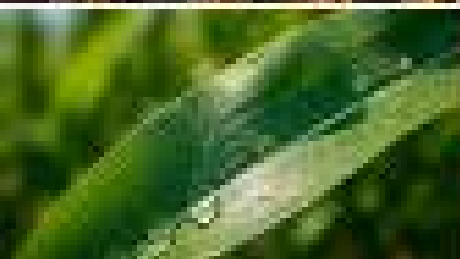
- Improved sweetness
- Better sugar accumulation



ENVIRONMENTAL BENEFITS

Nature Phenom™ Corn & Maize supports sustainable agriculture by:

- Reducing fertilizer losses
- Improving nutrient efficiency
- Decreasing runoff potential
- Supporting soil biological activity
- Enhancing soil carbon levels
- Improving water retention
- Reducing environmental pollution
- Supporting regenerative farming practices






HUMAN AND ANIMAL HEALTH BENEFITS

HUMAN HEALTH

- Supports production of higher-quality food crops
- Encourages more efficient nutrient utilization
- Helps reduce excessive fertilizer dependency
- Supports environmentally responsible food production

ANIMAL HEALTH

- Improves feed grain quality
- Enhances digestibility
- Supports better feed conversion
- Produces more consistent grain nutrition



COMPLETE MICROBEBIO® CORN & MAIZE BIOLOGICAL SYMPHONY

Nature Phenom™ Corn & Maize performs best when integrated with:

AQUA ACTIVATOR™

- Enhances biological activity
- Improves nutrient cycling
- Increases crop vigor

RHIZO ACTIVATOR™

- Builds powerful root systems
- Provides season-long nutrition
- Improves soil fertility

HYDRO ACTIVATOR™

- Supplies amino acids and natural nutrients
- Accelerates vegetative growth
- Enhances grain filling

NATURE VIGOR™

- Improves soil organic matter
- Enhances microbial populations
- Increases nutrient availability

X1™

- Protects roots from soil-borne pests
- Supports root health

X3™

- Helps manage insect pressure
- Protects crop productivity

X5™

- Supports protection from fungal diseases
- Maintains plant health throughout the season

NANO S9™

- Strengthens plant tissues
- Improves drought and heat tolerance

FOLIAR™

- Enhances photosynthesis
- Supports nutrient utilization

UPSHOT™

- Provides balanced nutritional support
- Sustains grain development

EXPECTED RESULTS

When used according to the complete MicrobeBio® Corn Production Program, Nature Phenom™ Corn & Maize can help producers achieve:

- Increased grain yield potential
- Improved kernel weight
- Higher test weight
- Stronger root systems
- Greater nutrient efficiency
- Improved drought tolerance
- Better pollination success
- Enhanced grain quality
- Improved feed value
- Better storage life
- Healthier soils
- Reduced environmental impact
- Increased long-term farm sustainability





NATURE PHENOM™
CORN & MAIZE
FEED THE SOIL. POWER
THE PLANT. MAXIMIZE
EVERY KERNEL.



A wide-angle photograph of a cornfield at sunset. The rows of corn stretch far into the distance, converging towards the horizon. The sky is a mix of blue and orange, with scattered clouds. The sun is a bright, glowing orb on the right side of the horizon. In the far distance, a few farm buildings and trees are visible on the left side.

A SPECIALIZED BIOLOGICAL CORN
ENHANCEMENT TECHNOLOGY DESIGNED
TO UNLOCK THE FULL GENETIC POTENTIAL
OF MODERN CORN AND MAIZE WHILE
REGENERATING SOIL HEALTH AND SUPPORTING
SUSTAINABLE AGRICULTURAL PRODUCTION.