MicrobeBio®

X8G™

ADVANCED BIOLOGICAL GRANULAR PROTECTION FOR MODERN AGRICULTURE

In modern agriculture, one of the most destructive threats to rice and many other crops is damage caused by golden apple snails and other harmful snails in wet field environments. Within just a few days after seeding or transplanting, snails can rapidly destroy young plants, reduce plant population, create uneven crop establishment, and significantly impact final yield potential.

To address this problem, Microbebio X8 G™ was developed as an advanced biological granular snail control system designed to protect crops during the most critical stage of growth — the early establishment phase.

A HIGH-PERFORMANCE BIOLOGICAL GRANULAR SYSTEM

Microbebio X8 G™ is a specialized granular formulation engineered for:

- flooded rice fields
- wet agricultural soils
- irrigation zones
- field edges and bunds
- water-retaining areas
- high snail-pressure environments

Unlike many conventional solutions that only provide temporary suppression, X8 G™ functions as a complete field protection system that helps reduce snail pressure, minimize feeding damage, and support stronger, more uniform crop establishment.

The granular form allows easy field application and helps concentrate the product in areas where snails are most active, including:

- wet field margins
- irrigation channels
- low water accumulation zones
- moist soil surfaces

WHY EARLY-STAGE PROTECTION MATTERS

During the first days after seeding or transplanting, crops are extremely soft and vulnerable. Even short periods of snail feeding can lead to:

- Severe stand loss
- Uneven crop growth
- U’eaker plant development
- Higher replanting costs
- Lower yield potential
- Delayed crop maturity

Many farmers only notice the problem after major damage has already occurred. By then, crop density has already been reduced and full recovery becomes difficult.

Microbebio X8 G™ was designed to help growers:
“Protect the crop before the damage begins.”

KEY BENEFITS OF MICROBEBIO X8 G™

HELPS SUPPRESS HARMFUL SNAIL POPULATIONS

Supports the reduction of snail pressure and minimizes feeding activity in the field.

PROTECTS SEEDLINGS AND YOUNG PLANTS

Especially valuable during:

- Direct seeding
- Transplanting
- Early emergence stages

These are the most sensitive stages of crop development.

SUPPORTS UNIFORM CROP ESTABLISHMENT

Uniform fields help improve:

- Light interception
- Photosynthesis efficiency
- Nutrient utilization
- Final yield performance

PERFORMS WELL IN WET CONDITIONS

X8 G™ is specifically designed for:

- flooded rice systems
- wet soils
- irrigated fields
- high-moisture agricultural environments

HELPS REDUCE REPLANTING COSTS

By protecting crops early, farmers may reduce:

- Labor costs
- Seed losses
- Field recovery expenses

EASY TO APPLY

The granular formulation is:

- easy to broadcast
- suitable for mechanized application
- ideal for large-scale field use

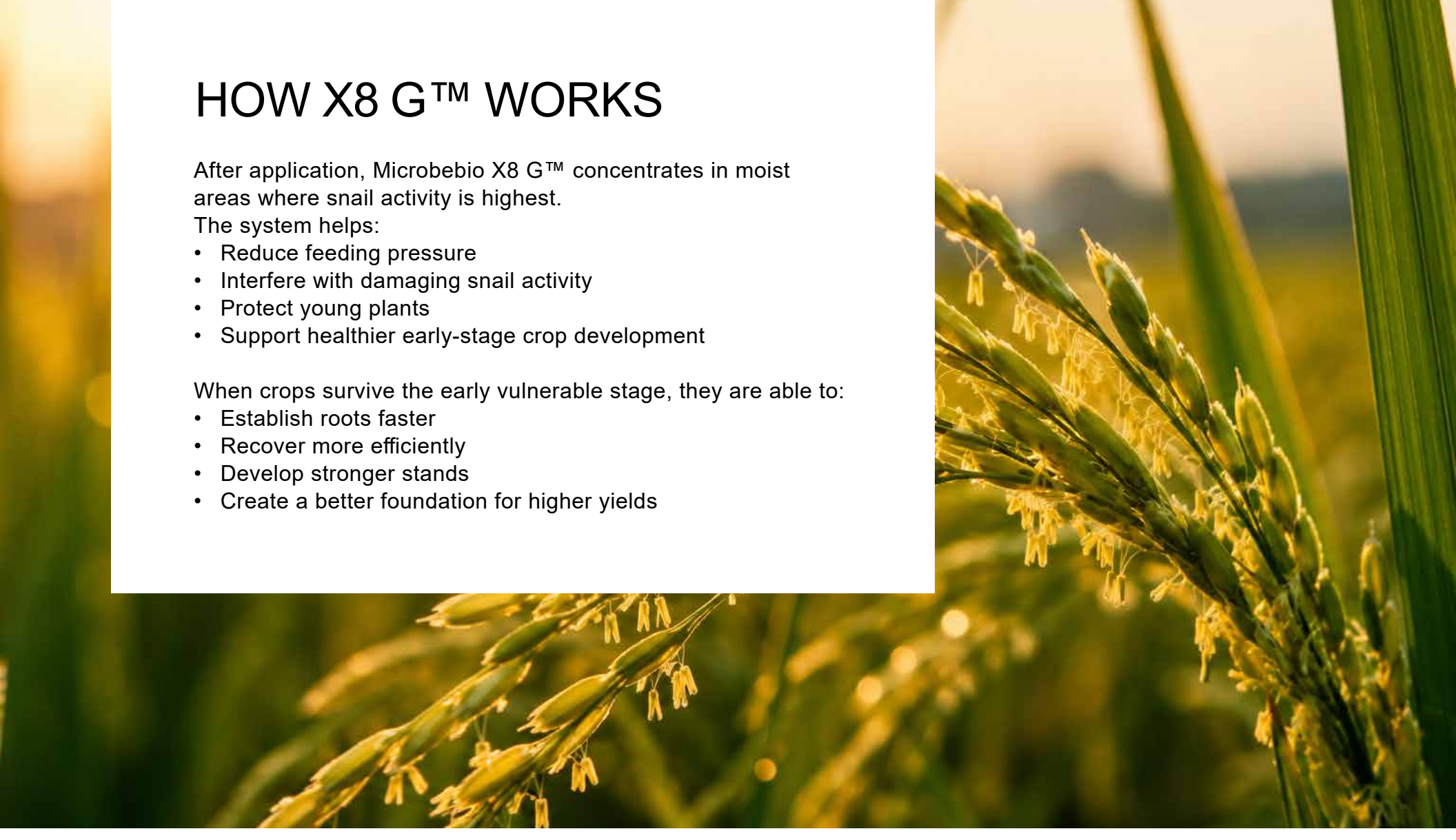
HOW X8 G™ WORKS

After application, Microbebio X8 G™ concentrates in moist areas where snail activity is highest.
The system helps:

- Reduce feeding pressure
- Interfere with damaging snail activity
- Protect young plants
- Support healthier early-stage crop development

When crops survive the early vulnerable stage, they are able to:

- Establish roots faster
- Recover more efficiently
- Develop stronger stands
- Create a better foundation for higher yields



FIELD PERFORMANCE

Under proper application conditions, Microbebio X8 G™ may help support:

TARGET PROBLEM	EXPECTED PERFORMANCE
Golden apple snail suppression	80–95%
Seedling protection	85–95%
Reduction of feeding damage	75–90%
Reduction of stand loss	80–92%
Reduced replanting pressure	75–90%
Improved field uniformity	Very High
Sulfur (S)	4%
Iron (Fe)	1%
Size Guide Number	215

Performance may vary depending on:

- infestation level
- water management
- application timing
- field conditions
- farming practices

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TARGET CROPS

MICROBEBIO X8 G™ IS SUITABLE FOR A WIDE RANGE OF CROPS, INCLUDING:

RICE

- Direct-seeded rice
- Transplanted rice
- Flooded rice systems

VEGETABLES

- Leafy vegetables
- Nursery crops
- U’et-bed vegetable production

FRUIT TREES

- BANANA
- MANGO
- DURIAN
- CITRUS
- PAPAYA

OTHER CROPS

- corn
- irrigated crops
- moisture-sensitive production systems

RECOMMENDED APPLICATION GUIDE

CROP	RECOMMENDED RATE
Direct-seeded rice	20–30 kg/ha
Transplanted rice	20–30 kg/ha
Vegetables	10–20 kg/ha
Fruit trees	15–25 kg/ha

Best Timing for Application

- Before flooding
- Immediately after seeding
- Immediately after transplanting
- After heavy rainfall
- At the first sign of snail activity

A SOLUTION FOR MODERN SUSTAINABLE AGRICULTURE

Modern farming is no longer only about reacting to problems after damage occurs. It is about:

- early prevention
- protecting field ecosystems
- maximizing investment efficiency
- improving sustainability

Microbebio X8 G™ was developed with this vision in mind — providing a modern biological solution that helps farmers protect crop establishment from the very beginning.

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