Redefining Agriculture: Innovative BIO-Technology Supported by Decades of Industrial Excellence

Strategic Corporate Profile & Product Specifications for the Global Market

Presenters: JNJ GREEN INPUT / (GUIC) Green-Up Energy Technology Co., Ltd. (A Member of GROWING GROUP)

GROWING GROUP Annual Strategic Briefing 2026

Decades of Heritage, Massive International Scale

1968

Established Heritage

A premier family-controlled conglomerate in central Taiwan with nearly 60 years of industrial leadership.

$939.3M

Annual Group Turnover

Backed by $88.9M in operating capital, delivering uncompromising financial security.

18

Specialized Entities

Including 12 advanced manufacturing factories and 5 global import/export companies.

The Mission

Leveraging vast chemical and organic agricultural expertise to pioneer zero-residue, high-efficacy BIO solutions for the **Global Market.**

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A Fully Integrated Global Manufacturing Ecosystem

Jih Nong Enterprises Co., Ltd.

Core Crop Protection

$58M Turnover | $21.7M Op Cap | 63 Employees

T.G.I. Co., Ltd.

Agrochemical Technical Products

$53M Turnover | $8.3M Op Cap | 60 Employees

Green-Up Energy / Feng Hsin

Dedicated Green Bio-Tech Wing

$68M Combined Turnover | 33+ Employees

Unified Mission: Zero-Residue Global Inputs

677

Professional Personnel globally.

ISO 9001:2000

Certified continuously by NSF-ISR since 2003, ensuring strict international quality standards.

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Global Vision, Uncompromised Quality

Global Presence: Active international footprints, including dedicated subsidiaries like GROWING AMERICA CO. (USA) and strategic European expansion initiatives.

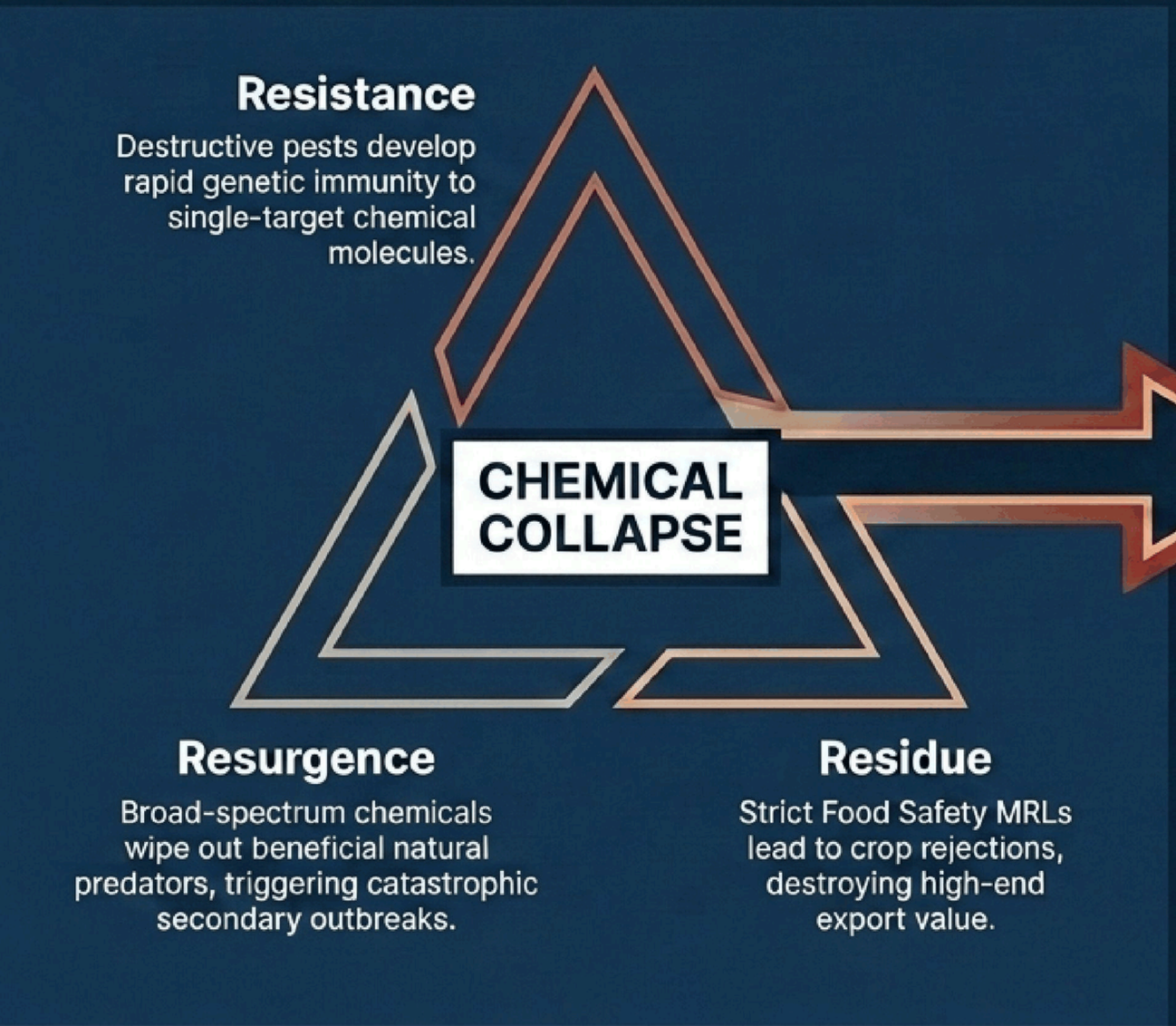
Corporate Philosophy: Providing professional growers with the best premium products and services at the most competitive operational costs.

Customer Commitment: Reliable quality, rapid corporate response, and comprehensive technical after-sales support.



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The Collapsing Foundation of Chemical Farming vs. The Global Mandate



50%
Reduction by 2030

The Threat

Driven by the EU Green Deal and the Farm-to-Fork policy, not only has the operating model within the EU changed, but global exporters are also rapidly losing their chemical toolkits under the EU Green Deal and Farm-to-Fork mandates.

The widespread use of chemical pesticides globally has had a dual impact on the domestic and international sales value of agricultural products, as well as on the ecological environment.

The Opportunity

Distributors who secure zero-residue BIO solutions now will capture the massive market share shift.

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The Flagship Innovation: LinkNoPests-PLUS (LNPP) Master Formulation

A premium, non-toxic botanical cocktail developed over 6 years of intensive laboratory testing. Engineered to deliver chemical-level knockdown speeds with absolute environmental safety.

The 3-in-1 Engine



Contact Kill

Fast-acting physical eradication of target pests.

Surface Barrier

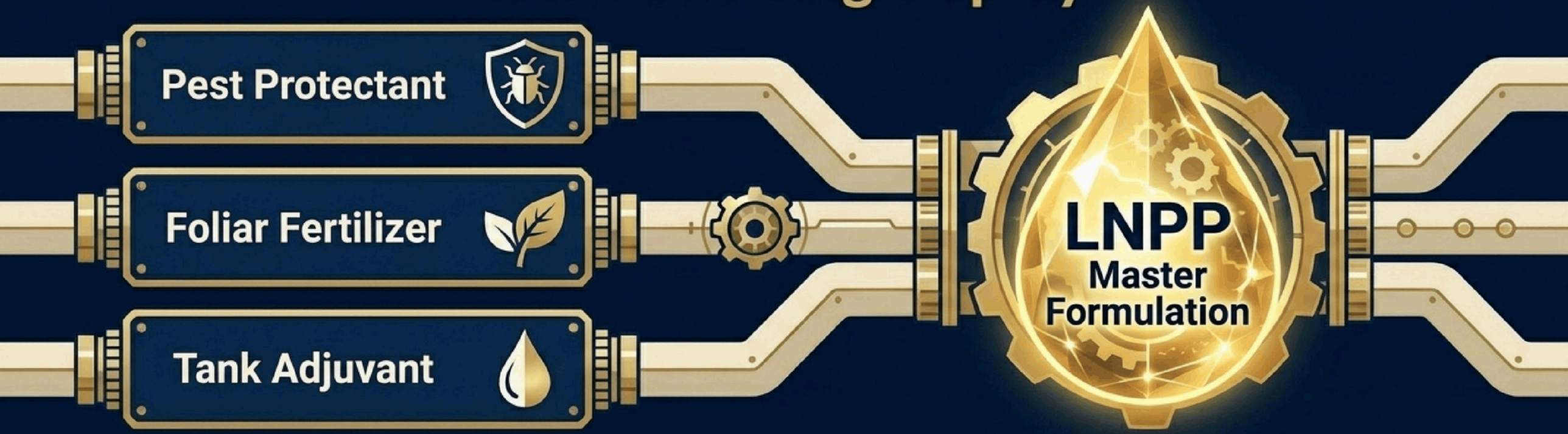
Micro-thin prophylactic shield and built-in premium adjuvant.

Systemic Foliar Nutrition

Instant liquid organic Potassium (K) vitalization.

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Paradigm Shift: Three Operational Benefits from One Single Spray



Traditional practices force growers to buy and mix separate pest protectants, foliar fertilizers, and tank adjuvants—increasing costs and chemical phytotoxicity risks.

LNPP pre-blends **three** distinct agricultural operations into one master formulation:

- **Contact Kill**: Fast-acting physical eradication of target pests.
- **Systemic Foliar Nutrition:** Instant liquid organic Potassium (K) vitalization.
- **Surface Barrier**: Micro-thin prophylactic shield and built-in premium adjuvant.

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Mechanism 1: Rapid Physical Contact Knockdown (Zero Resistance)

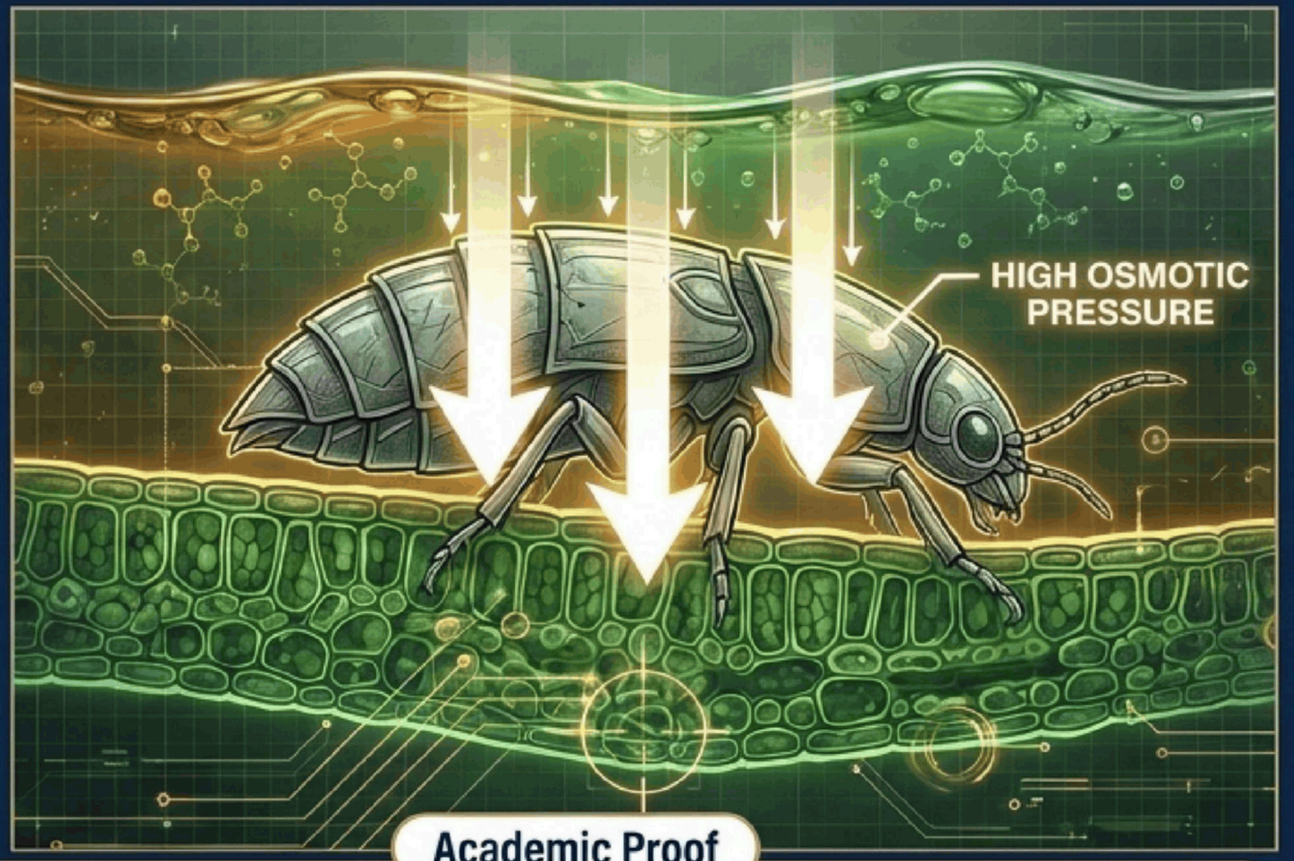
Step 1: Dissolution
Physically disrupts and dissolves the insect's outer cuticular wax membranes.

Step 2: Sealing
Completely seals the respiratory spiracles upon direct contact.

Step 3: Suffocation
Osmotic pressure forces immediate dehydration and suffocation.

Emphasis:

Strategic Advantage: Pests can never develop genetic immunity because the action is purely mechanical, not neurological.



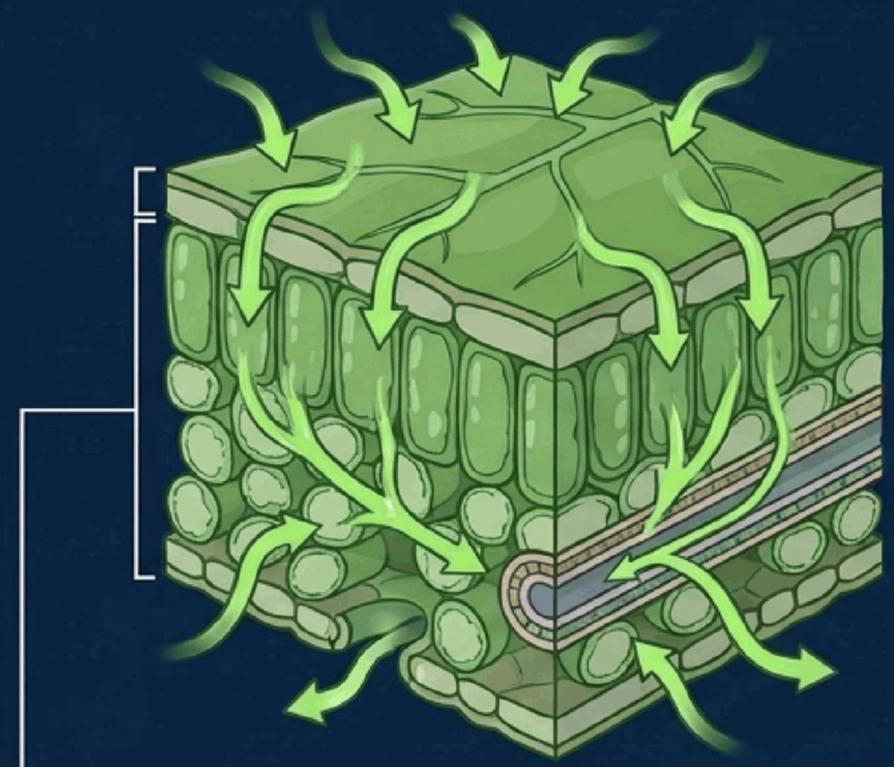
Academic Proof

Microscopic Diagnostic Proof (NCU Project Findings)

- "The protective wax powder on the mealybug's surface obviously disappears."
- "Target insects are observed to be obviously covered with the pest protectant."

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Mechanism 2: Highly Bio-Available Systemic Potassium (K)



The Input: Simultaneously delivers premium liquid organic Potassium directly into the plant's foliar structure during pest application.

Agronomic Benefits:
Strengthens plant cell walls, accelerates photosynthesis, and enhances carbohydrate translocation.

Fruit Quality:
Drastically improves fruit sizing and skin firmness.

Export Logistics:
Maximizes Brix levels (sugar content) and dramatically extends post-harvest shelf-life for lucrative EU export logistics.

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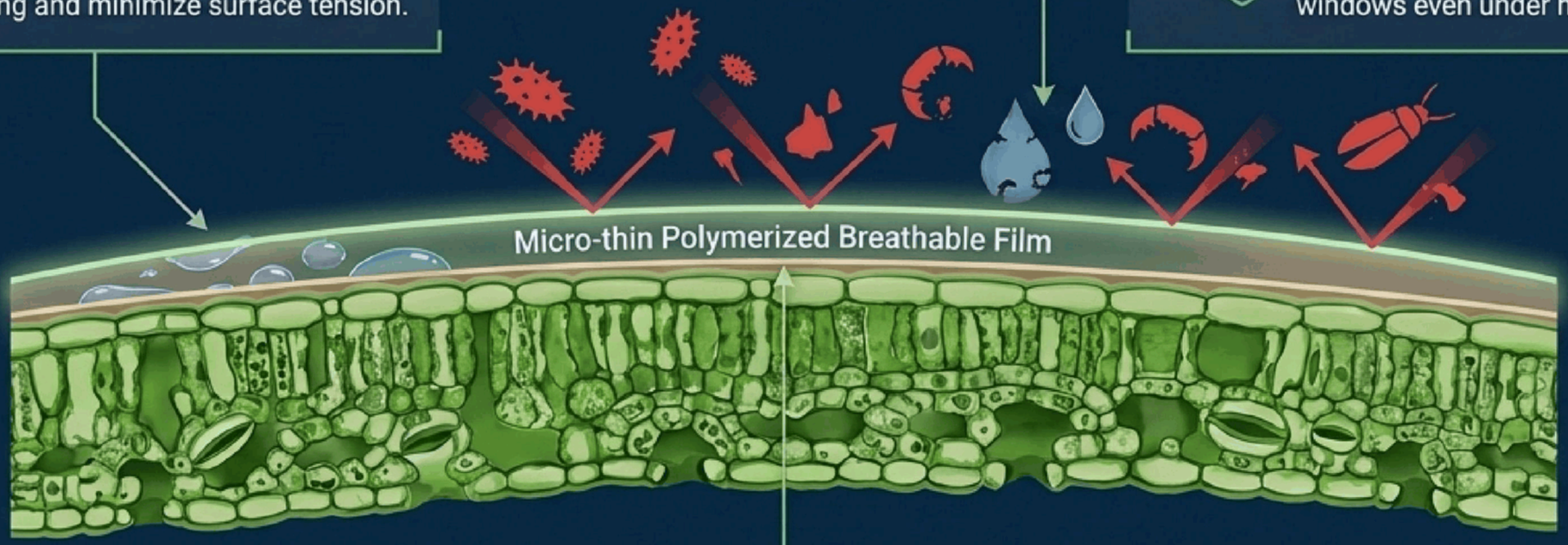
Mechanism 3: Prophylactic Surface Shield & Adjuvant Power

Advanced Formulation

Engineered with advanced natural adjuvants that optimize droplet spreading and minimize surface tension.

Application Efficiency

Achieves 100% leaf wetting, exceptional rainfastness, and prolonged active windows even under heavy weather.



The Physical Shield

Polymerizes upon drying into a micro-thin, breathable physical film. This barrier actively repels incoming pests and prevents fungal spores from establishing a hold on the crop canopy.

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Rigorous Scientific Validation

GROWING GROUP rejects unsubstantiated marketing claims; all our bio-inputs undergo extensive independent academic trials to guarantee transparency.

National Chiayi University (NCU)

Department of Plant Medicine

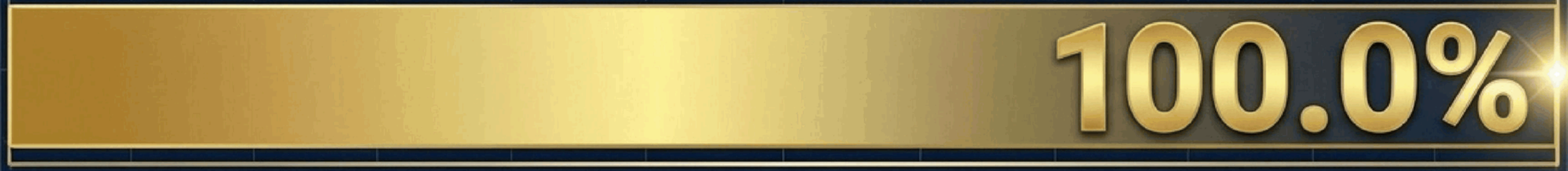
National Pingtung University of Science and Technology (PUST)

Department of Plant Medicine

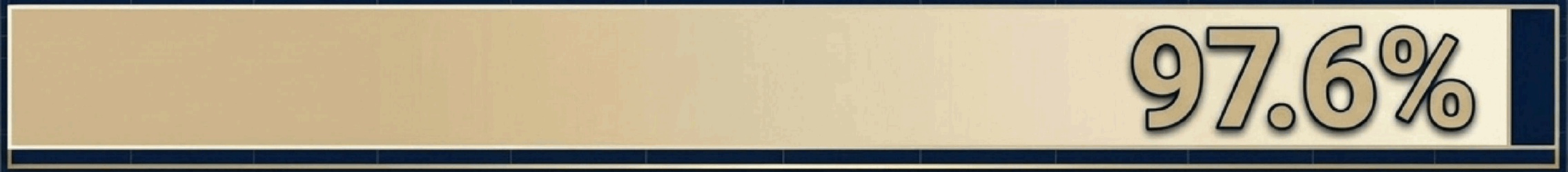
Proven broad-spectrum efficacy across both sap-sucking insects and resilient mite families.

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Certified Control Rates (NCU Laboratory Reports)



Mealybugs (Pseudococcidae): Achieved a definitive 100.0% Control Rate under a standard 100x dilution application protocol.



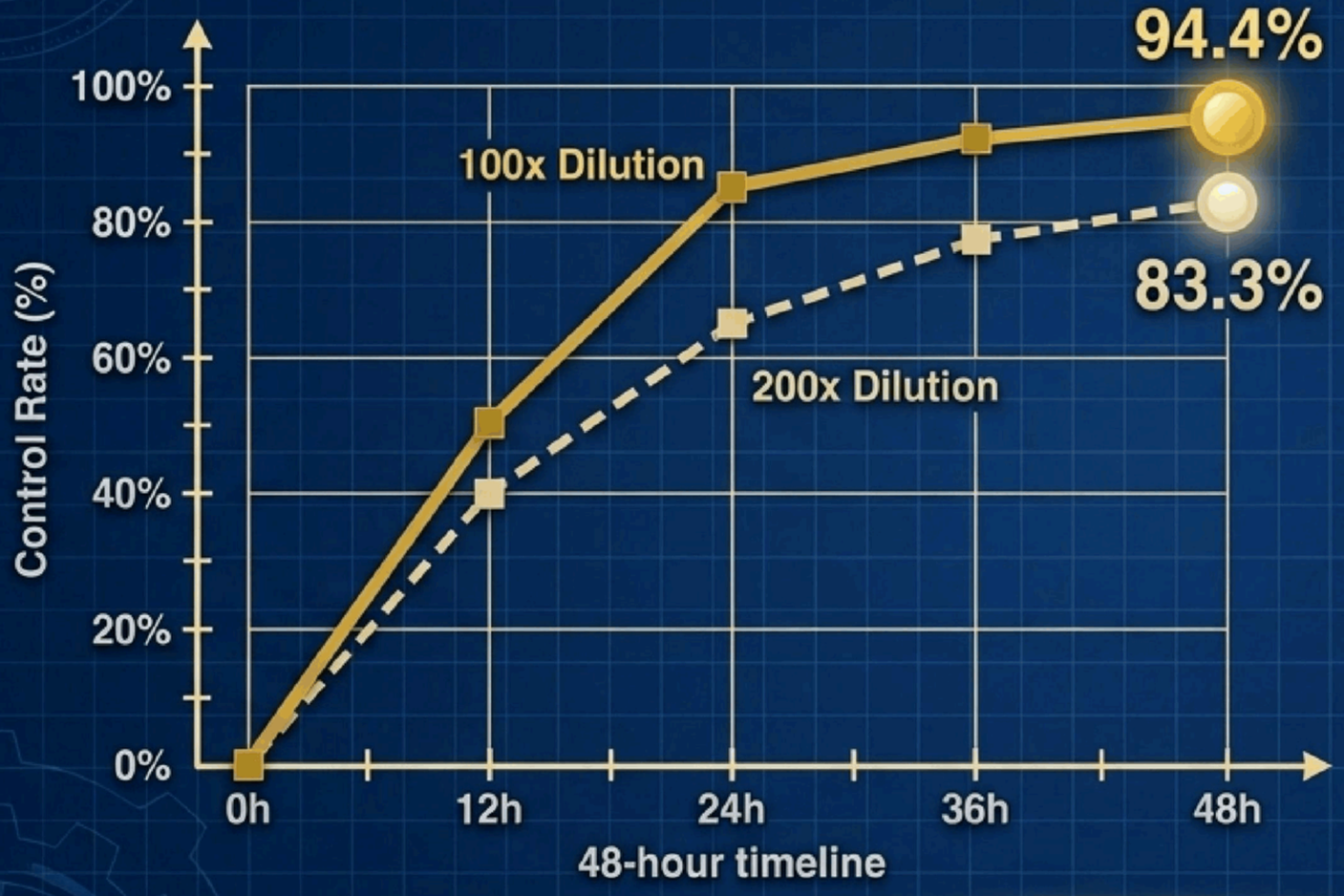
Cotton Aphids (Aphis gossypii): Achieved an outstanding 97.6% Control Rate via sequential 100x dilution spray cycles.

0 100 200 300 300 400 500 600 700 800 900 1000 100%

Business Impact: Preserves photosynthetic leaf tissue, eliminates sticky honeydew secretions, and blocks sooty mold development.

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Specialized Mite Control & Dilution Curves (PUST Trials)



Mites are notorious for developing rapid resistance to standard chemical acaricides within 2–3 generations.

PUST Cumulative Control Rates (Kanzawa Spider Mite):

- **100x Dilution:** Secured a commanding 94.4% control rate at 48 hours after the second sequential application.
- **200x Dilution:** Maintained a highly economical and competitive 83.3% control rate.

Conclusion: Validates that standard sequential applications construct an un-breachable barrier without creating immunity.

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Chewing Pest Suppression & Microscopic Diagnostics

Field Data

Beet / Tobacco Armyworm (*Spodoptera litura*): Achieved an **86.3% Eradication Rate** against tough, chemical-resistant 3rd and 4th instar larvae (NCU Report).

Field-Tested Success: Successfully verified via rigorous open-field trials on Green Broccoli under intense natural pest pressure.

Immediate Action: Instantly disrupts and halts larval feeding behaviors upon contact, saving crop canopy and preventing defoliation.

Field Data Confirmed ✓

Microscopic Proof



Direct Findings from the NCU Industry-University Project:

"Target insects are observed to be obviously covered with the pest protectant." →

- Confirms complete physical encapsulation, leading to rapid suffocation.

"The protective wax powder on the mealybug's surface obviously disappears." →

- Proves LNPP dissolves the insect's natural hydrophobic wax armor, leaving them completely defenseless.

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Drastically Transforming Farm Economics: The 60% ROI Advantage

Traditional Nightmare (Before)

Insecticide
+
Potassium Fertilizer
+
Spreader

= **3 Separate Field Passes**

(High risk of chemical reactions, precipitates, or phytotoxicity)

Over 60% Savings
in Labor Hours and Tractor Fuel Costs.

LNPP Master Formulation (After)

1 Single Pass

Pre-mixed to perfection.

Strategic Pitch: An indispensable financial advantage for Poland's highly competitive, labor-scarce professional farming sectors amidst high European fuel prices.

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Maximizing Commercial Value for Poland's Major Crops



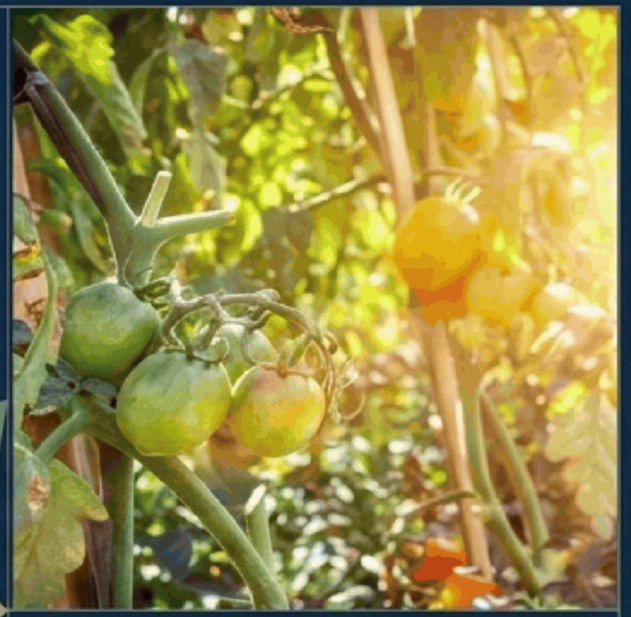
Orchards & Berries (Apples, Strawberries, Blueberries)

Potassium vitalization maximizes fruit firmness and sugar levels. Guarantees a zero-residue premium status for lucrative Western European exports.



Potatoes

Enhances foliar energy, ensures uniform tuber development, and manages dangerous aphid vectors safely without triggering regulatory intervention.



Greenhouse Vegetables

Provides continuous, aggressive protection right up to the very day of harvest, boasting zero pre-harvest intervals (PHI).

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Cultivating a Sustainable Future, Together

Our Support Commitment: GROWING GROUP provides exclusive regional partners with complete technical training, localization marketing support, and direct laboratory access.

