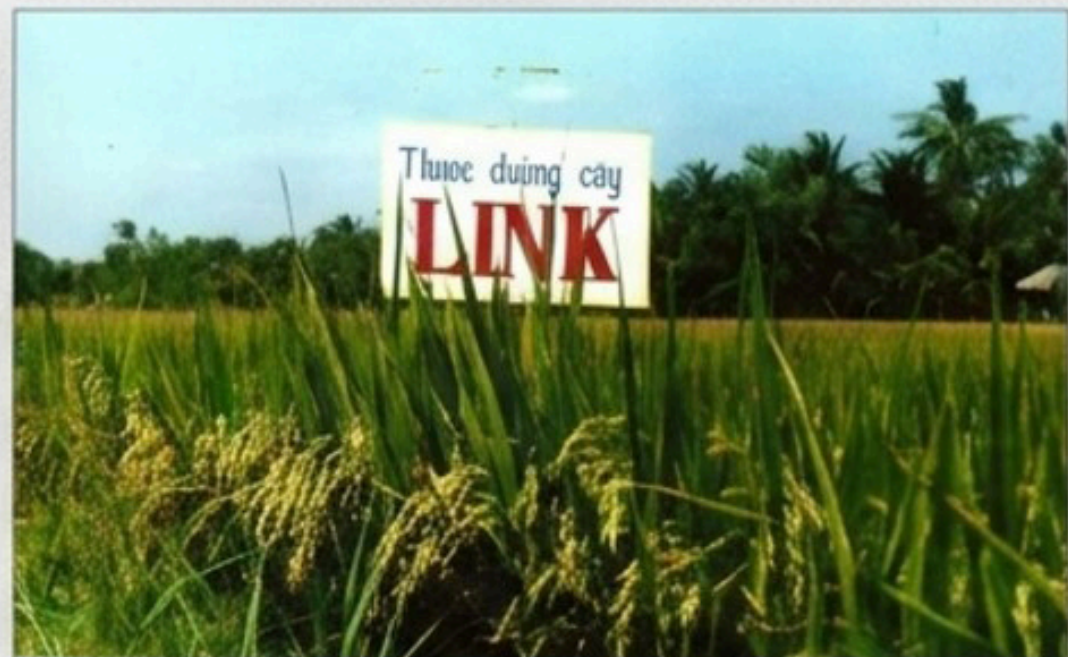




Project Link: 1995 Field Trial Dossier

Empirical validation of the Link nutritional preparation on staple and high-value cash crops.

Conducted by Vietnam Pesticide Company (VIPESCO) & Partner Agricultural Institutes

10-20%

Average baseline yield **increase** documented in staple rice crops

9

Distinct crop varieties tested, proving broad biological efficacy

2

Major geographical testing grounds—Mekong & Red River Deltas

Core Insight: Across all 1995 trials, Link consistently demonstrated the ability to enhance crop resistance, accelerate ripening, and maximize grain and fruit yield when applied at specific vegetative stages.

Institutional Framework & Trial Methodology



METHODOLOGY SPECS GRID

DESIGN: RANDOMIZED COMPLETE BLOCK	REPLICATIONS: 3 PER TREATMENT	PLOT SIZES: STANDARDIZED (24 TO 500 M ²)	BENCHMARKS: PAC 88, LIBSPRAY A, UNTREATED CONTROL
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The Hero Crop: Rice Trial Parameters

Geographic Focus:

Mekong River Delta
Mekong River Delta (Winter-Spring '94-'95)
Red River Delta (Spring '95)



Testing Matrix

Product Tiers	Frequency A - Twice	Frequency B - Thrice
Link 80ml	Tillering beginning (20 DAT)	Tillering (20 DAT)
Link 100ml	Booting beginning (40 DAT)	Booting (40 DAT)
Link 120ml		Full Heading (60 DAT)
Baselines: Untreated Control, PAC 88 (1kg), Libspray A (1-2 liters)		

Phenotypic Shift in Field Conditions



1. Deeper green coloration indicating elevated chlorophyll and nitrogen efficiency.

2. Earlier onset of yellowing and senescence.

Noticeable height consistency and denser panicle formation under 120ml Link application.

3



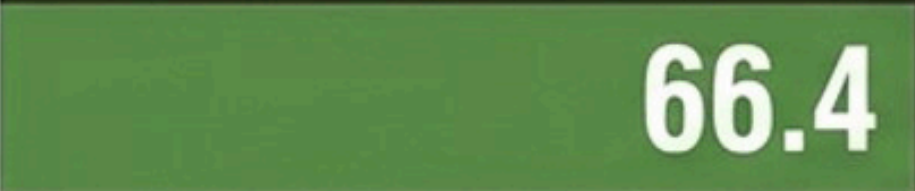
Yield Optimization Matrix

	Spray Frequency: Twice	Spray Frequency: Thrice
Dosage: 80ml	+6.47%	+5.07%
Dosage: 100ml	+10.15%	+12.95%
Dosage: 120ml	+13.83%	+13.83%

Key Insight: The Operational Sweet Spot.

Applying 100-120ml twice per cycle maximizes yield (up to 13.8% in test plots, reaching 15-20% in delta averages) while optimizing labor and product costs. Thrice spraying offers negligible marginal gains.

Dissecting the Yield Increase

	Untreated Control	Link 120ml (Twice)
Filled grain per panicle	 66.4	 78.1 Significant Increase
% Unfilled	 9.12%	 9.23% Stable/Negligible difference
1000-grain weight	 21.6g	 21.9g Stable

Analytical Takeaway:

Analytical Takeaway: Link does not artificially inflate plant height or overall biomass; it fundamentally improves the grain filling process, resulting in significantly more viable grains per panicle.

Beyond Rice: Peanut Trial Efficacy

Location: Long An Agricultural Extension Center

+15.3% Fresh Grain Yield

Untreated (6,500 kg/ha) vs. **Link** (7,500 kg/ha)

Phenotypic Observation: Agronomists noted distinct, uniform dark blue leaf coloration in treated plots throughout the vegetative stage.



LINK



untreated

Broad Efficacy: Legumes & Maize



Soybean
(An Giang Prov. Trial)



+26% Dry Yield

(240g vs 190g per 10 plants)

Accelerated lifecycle; fruit ripened 3-4 days early.



Maize
(Cross-bred NT3)

**Yield
Stable**

(5069 kg/ha)

Maintained yield while accelerating ripening (≥ 4 -5 days early) and significantly darkening foliage.



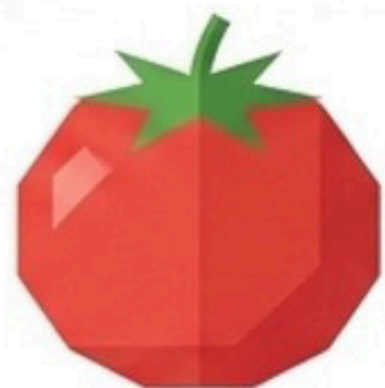
Mungbean

**Controlled
Yield**

(115g vs 125g dry)

Included for scientific transparency. Efficacy highly dependent on specific legume physiology.

High-Value Cash Crops (Vegetable & Fruit Trials)



Tomato (Phu Dien Village)

Yield leaped from 24.1kg to 30.1kg per 10 plants. Fruit noted as significantly more lustrous.



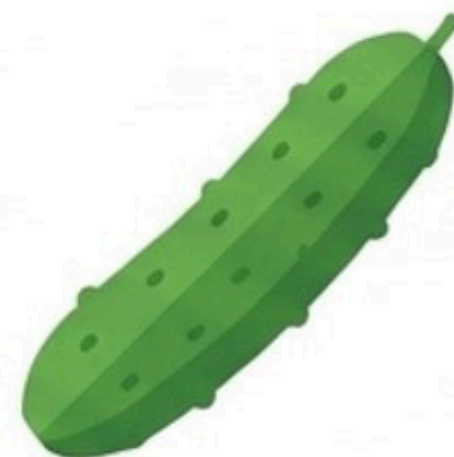
Cabbage & Mustard

Heavier individual plant weights across the board. Cabbage averaged 2.18kg vs 1.58kg (Control).



Watermelon

Total yield count increased to 1,101 fruits compared to 1,049 (Control) under 10-day interval spraying.



Cucumber

Consistent enhancement in female flower retention and overall fruit yield per plant.

Universal Biological Impacts

Foliage (Chlorophyll Response)

Leaves consistently register as dark green or dark blue, signaling optimized nitrogen uptake and photosynthetic capacity.



Architecture (Growth Consistency)

Promotes heavier branching and more robust bunching of flowers without triggering unnecessary vertical (leggy) growth.

Fruiting (Accelerated Maturation)

Consistently induces early ripening (average 3-5 days) and produces visually superior, lustrous fruit coats.

Standardized Application Blueprint (Rice)



The Standardized Directive:

- **Dosage:** 100-120 ml/ha per application.
- **Dilution:** Spray volume of 320 Liters/ha.

Standardized Application Blueprint (Cash Crops)

Universal Base Dilution: 2 - 2.5 ml per 10 liters of water (240-400 L/ha spray volume).

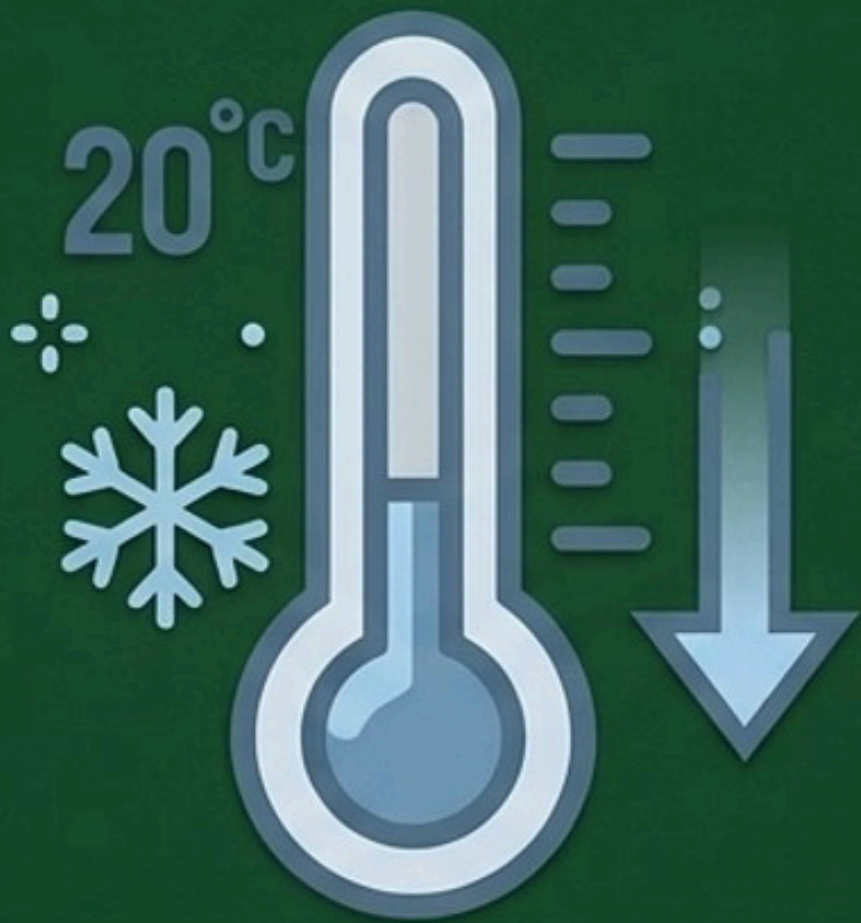
Fixed Day Intervals

Peanuts	Spray at 12, 22, and 32 days after seeding.
Soybeans	Spray at 18, 25, 32, 39, 46, 53, 60, 67, 74 days.
Tomato	Spray at 25, 35, 45 days.

Biological Stage Intervals

Watermelon	Begin at flowering, 10-day intervals.
Cabbage	Begin 22 days after transplanting, 7-day intervals.

Environmental Contingencies: Temperature Dependency



Trials conducted in Spring 1995 faced persistent low temperatures ($\leq 20^{\circ}\text{C}$).

Low temperatures artificially prolong the vegetative duration of the rice plant (extending to 120-130 days).

In **cool climates**, standard timing becomes misaligned. Application must be shifted to **Booting Beginning** and **Full Heading** (80%) to maintain the 10-20% yield optimization.

The Verdict

The 1995 VIPESCO dossier provides rigorous empirical validation: Link is a highly stable, versatile nutritional preparation that consistently outperforms historical benchmarks, offering a reliable 10-20% yield optimization on staple grains and high-value cash crops.

01. Continual Large Trial Implementation

Scale up local testing and operational pilots.

02. Local Regulatory Alignment

Utilize standardized data for local compliance and registration.

03. Distribution & Logistics

Finalize procurement volume based on per-hectare dilution blueprints.

Play to Win. Partner with Nature.

The future of global agriculture relies on the intersection of biological science and environmental stewardship. **Growing-Up INTL Corp** provides the definitive, zero-compromise solution for sustainable crop management.

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