



Surviving the 20-Day Deluge at Kang Vineyard

A Clinical Field Report on the Resilience of GPL-37 Chain Reaction
Organic Fertilizer Under Extreme Climate Stress (June 2017).

Prepared for Client Review by Growing-Up International Corp. | www.growing8.com

Extreme Weather Validates the Principle of Preventative Conditioning

The Threat

Changhua Big Village, Taiwan



20 continuous days of extreme rainfall and complete vineyard inundation in Changhua Big Village.

The Intervention

GPL-37 Systemic Application



Proactive root-conditioning with GPL-37 immediately following grape tree germination.

The Outcome

Flawless Harvest, 18.2° Brix



Zero fruit loss, zero cracking, and a flawless harvest with an exceptional 18.2° sweetness rating.

The Changhua Big Village Inundation (June 2 – June 22, 2017)



EXHIBIT A: RESIDENTIAL FLOODING

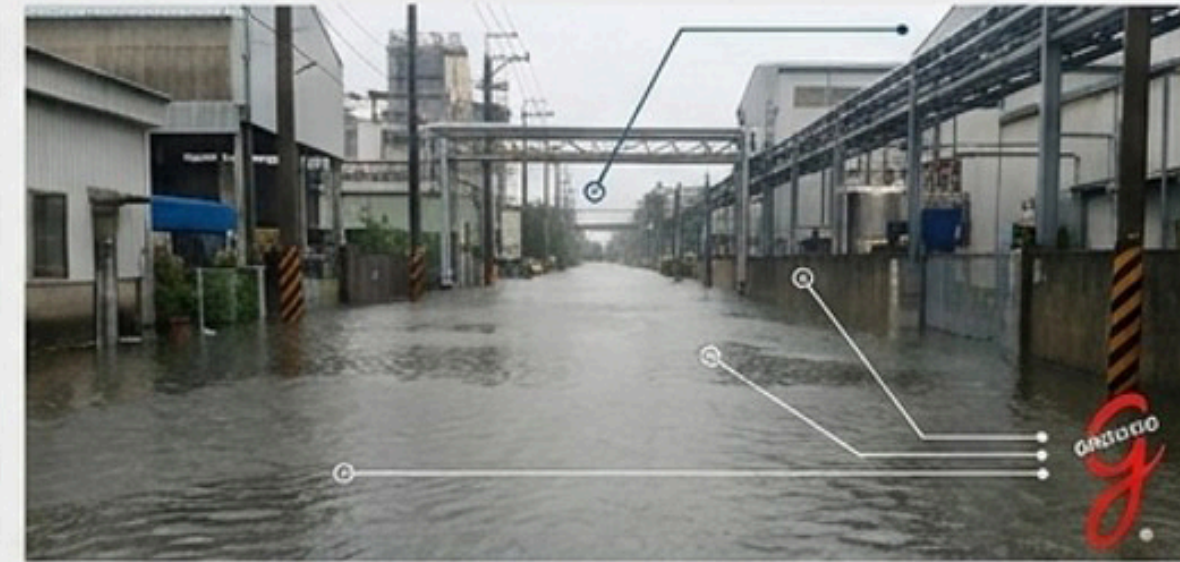
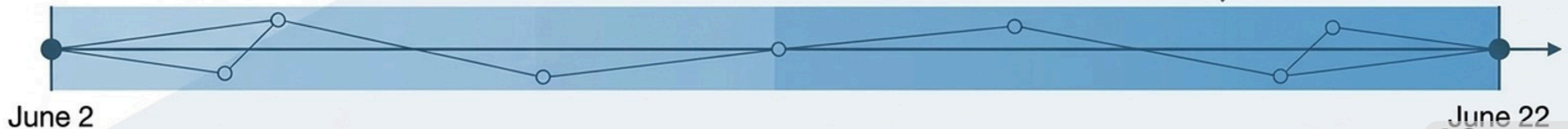


EXHIBIT B: INDUSTRIAL SUBMERGENCE

The Standard Consequence

Conventional vines submerged for this duration inevitably suffer from severe root rot, sudden fruit swelling, widespread cracking, and catastrophic fungal outbreaks including brown rot and dew disease.



Inundated for 20 Days, Yet Structurally Uncompromised

Continuous waterlogging spanning three weeks.

Vines maintain total structural integrity; no visible root suffocation.

Grapes remain secure in protective bagging, entirely unaffected by the massive moisture surge.

Empirical Observations Post-Disaster Reveal Five Pillars of Resilience

Surface Quality

Zero cracked fruit. Skins remain flawlessly intact.

Fruit Integrity

Grapes are remarkably tough, firm, and entirely un-softened.

Retention Rate

Zero fruit drop; bunches remain completely secure to the vine.

Internal Density

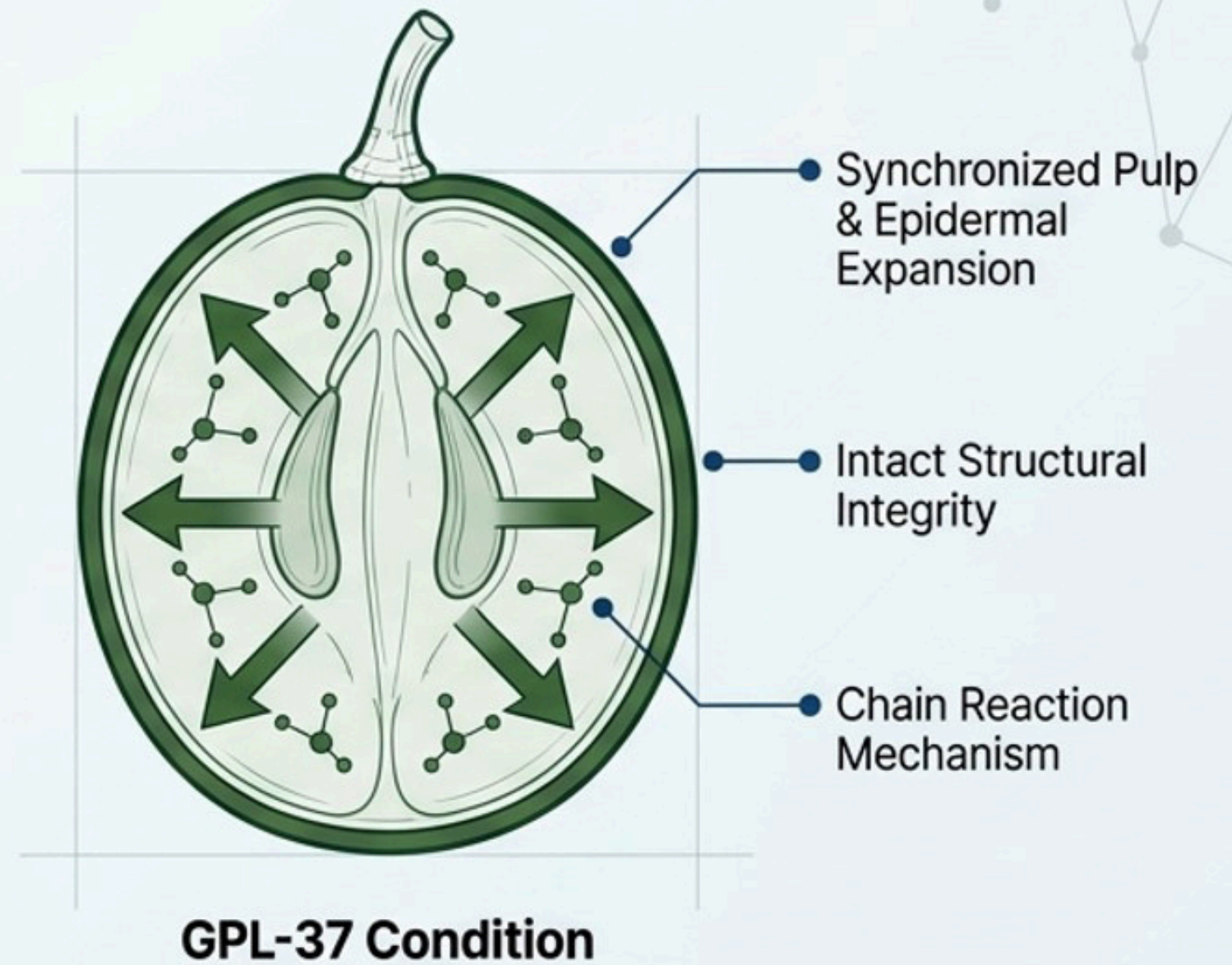
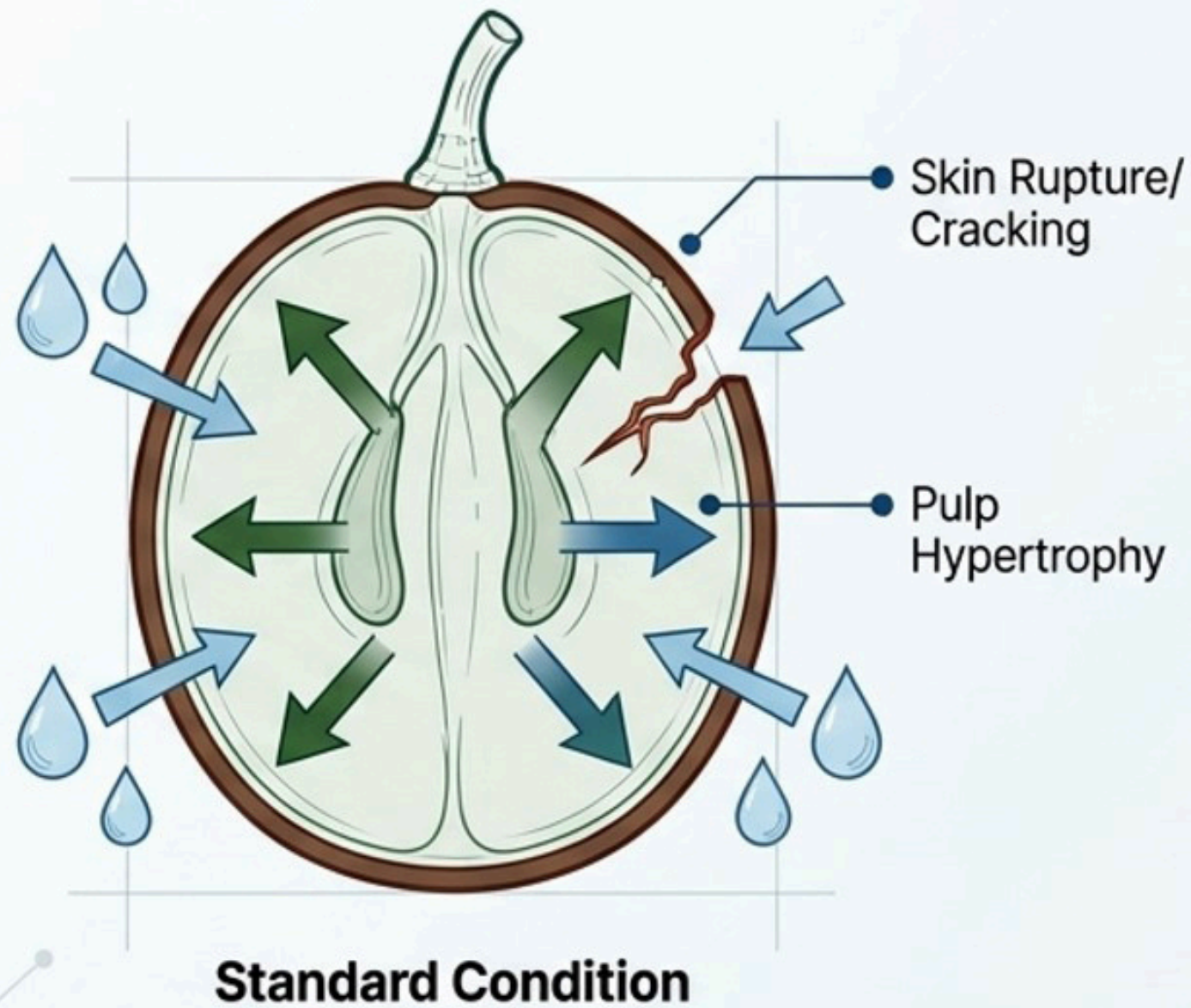
Flesh remains solid and visibly plump.

Sugar Content

Exceptionally high sweetness measured at exactly 18.2 degrees.



Mechanism I: Synchronized Cellular Expansion Prevents Cracking



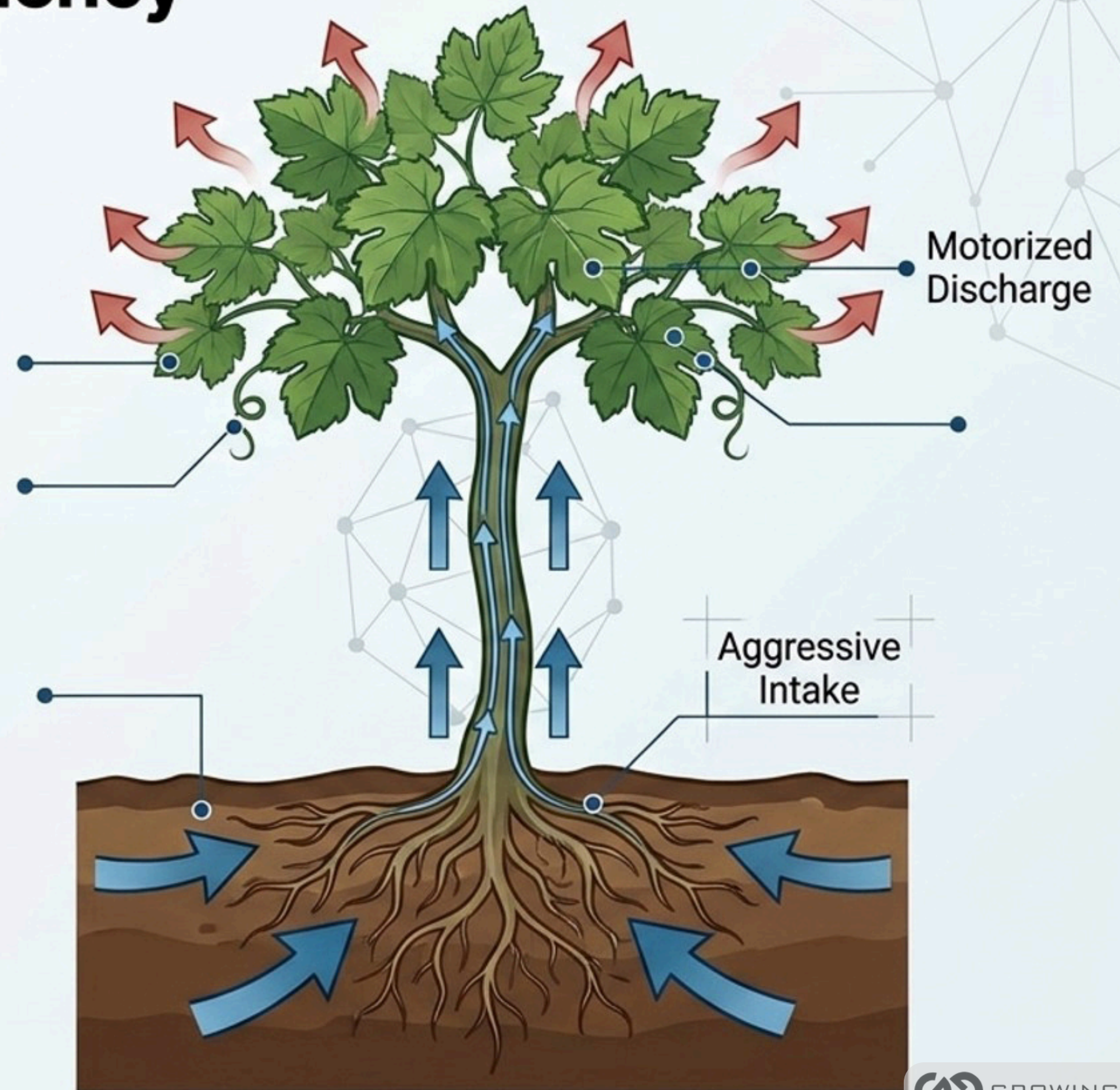
Standard flooding causes the grape's pulp to rapidly hypertrophy, bursting the skin. The active ingredients in GPL-37 trigger a unique biological chain reaction that promotes pulp hypertrophy and epidermal cell growth simultaneously. The skin stretches in perfect biological harmony with the swelling flesh, eliminating the risk of cracked fruit, brown rot, or dew disease.

Mechanism II: Mobility Efficiency Regulates Total Water Flow

GPL-37 forces a robust root system capable of aggressive water absorption.

Rather than drowning, the plant's leaves are biologically motorized to act as an exhaust valve.

This constant, regulated discharge of excess water prevents stagnation, entirely neutralizing the threat of root rot and fruit softening despite prolonged submersion.



The Pre-Disaster Protocol: Cultivating Resilience at Germination

The harvest was saved months before the rain began. Prevention is strictly superior to cure.



Direct
Root Zone
Application

Soil
Saturation



1. Timing

Administered immediately following the germination of the grape trees.



2. Dilution

GPL-37 is meticulously diluted at a 1:1500 ratio.



3. Application Method

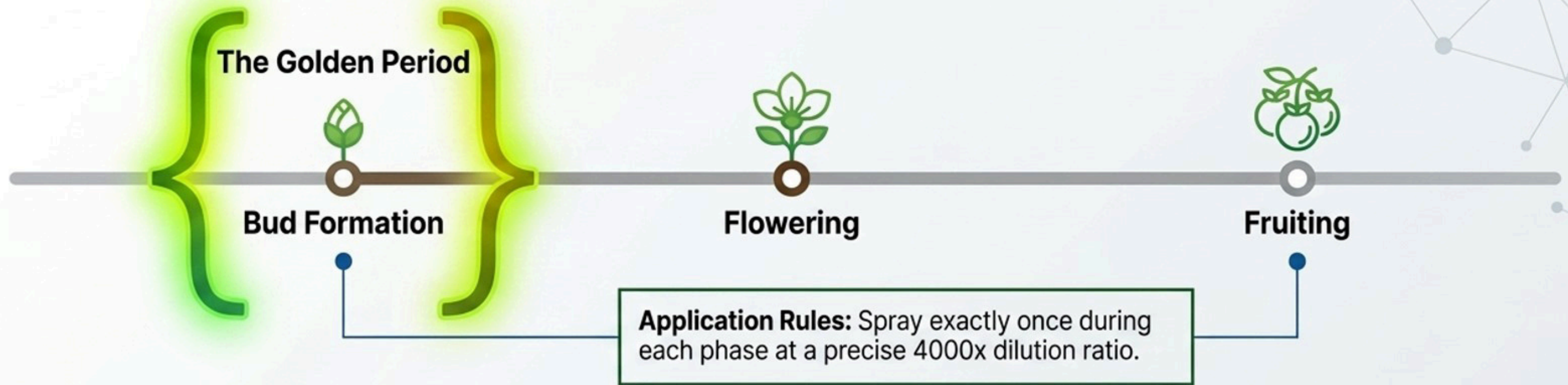
Directly infused and irrigated into the root zone to maximize foundational absorption.



4. Dosage

Precisely 800 liters of perfusion applied per 0.1 hectare.

Universal Application: Exploiting the Golden Period for All Fruiting Crops



The Chain Reaction Yield

1. Promotes aggressive flowering.

Induces prolific bloom production for maximized fruit sets.

2. Shortens required pollination time.

Accelerates reproductive phases, reducing environmental risk.

3. Significantly reduces vulnerability to pest infestation.

Strengthens natural plant defenses during critical early development.

4. Culminates in a high-sweetness, high-yield bumper harvest.

Optimizes nutrient allocation for superior fruit quality and volume.

The Market Advantage: From Disaster to Premium Pricing

	Conventional Farm Response	The GPL-37 Farm Advantage
Harvest Strategy	Forced into a panicked rush harvest to save whatever is left.	Completely relaxed, slow, and intentional harvesting schedule.
Crop Condition	Widespread fruit drop, severe cracking, and unmarketable soft fruit.	Flawless structural integrity and retention.
Financial Outcome	Disastrous financial losses and compromised livelihoods.	Premium market positioning, selling pristine fruit at peak market prices when competitors have failed.

Uncompromising Quality, Regardless of Climate



The June 2017 Changhua inundation proved that farms are no longer at the mercy of extreme weather. By conditioning crops from the root up, GPL-37 transforms vulnerabilities into impregnable biological systems—securing yields, livelihoods, and market dominance.

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.

Contact & Partnership Hub

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