

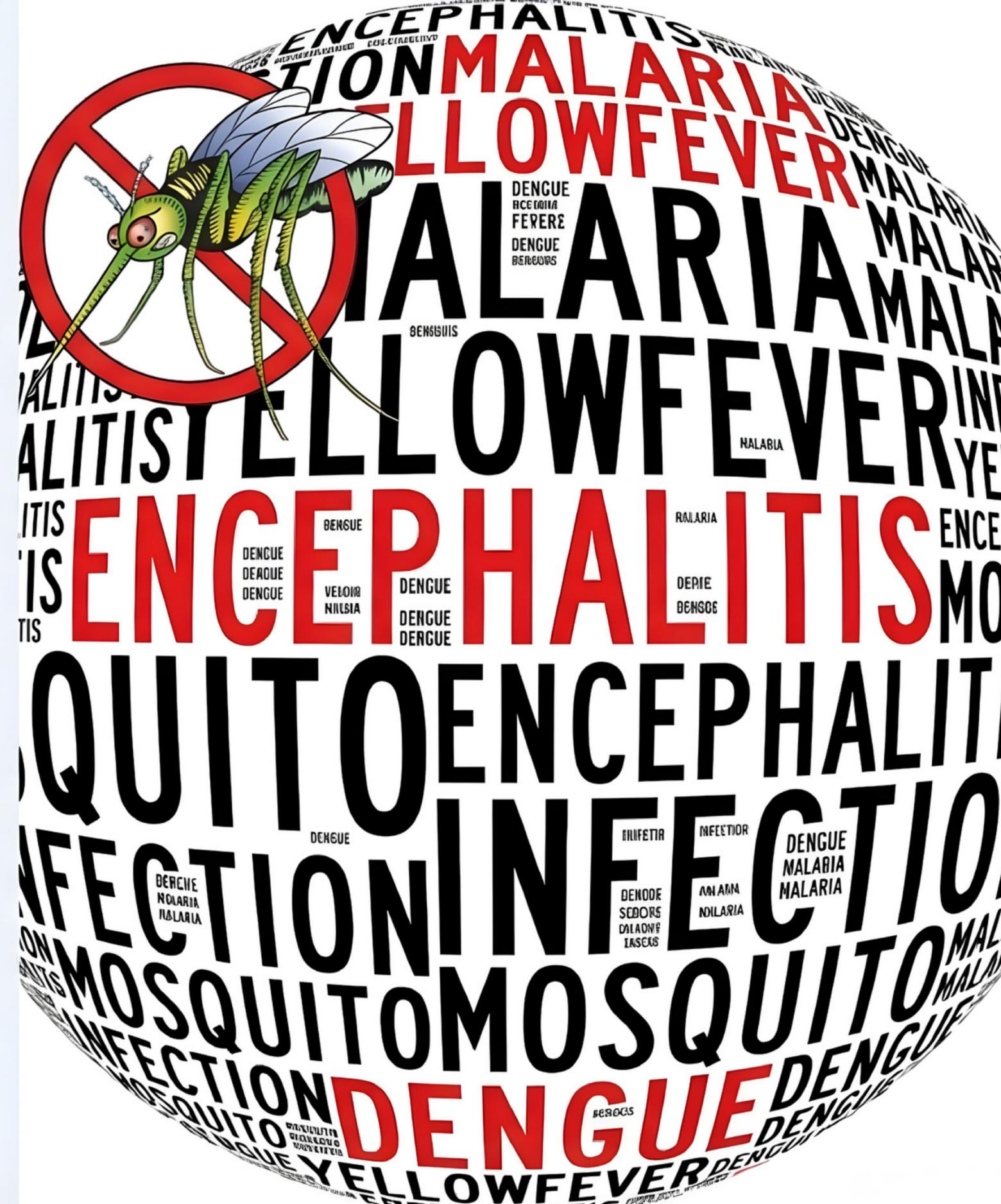
THE HERBAL ALTERNATIVE TO TOXIC MOSQUITO CONTROL



The Mosquito Menace is a Global Health Crisis

Mosquitoes are dangerous vectors of debilitating and often fatal diseases. The threat is not just the bite, but the transmission of:

- ⚠️ Dengue & Dengue Hemorrhagic Fever
- ⚠️ Malaria
- ⚠️ Chikungunya
- ⚠️ Filariasis
- ⚠️ Japanese Encephalitis



The Hidden Dangers of Conventional Fogging

What is Malathion?

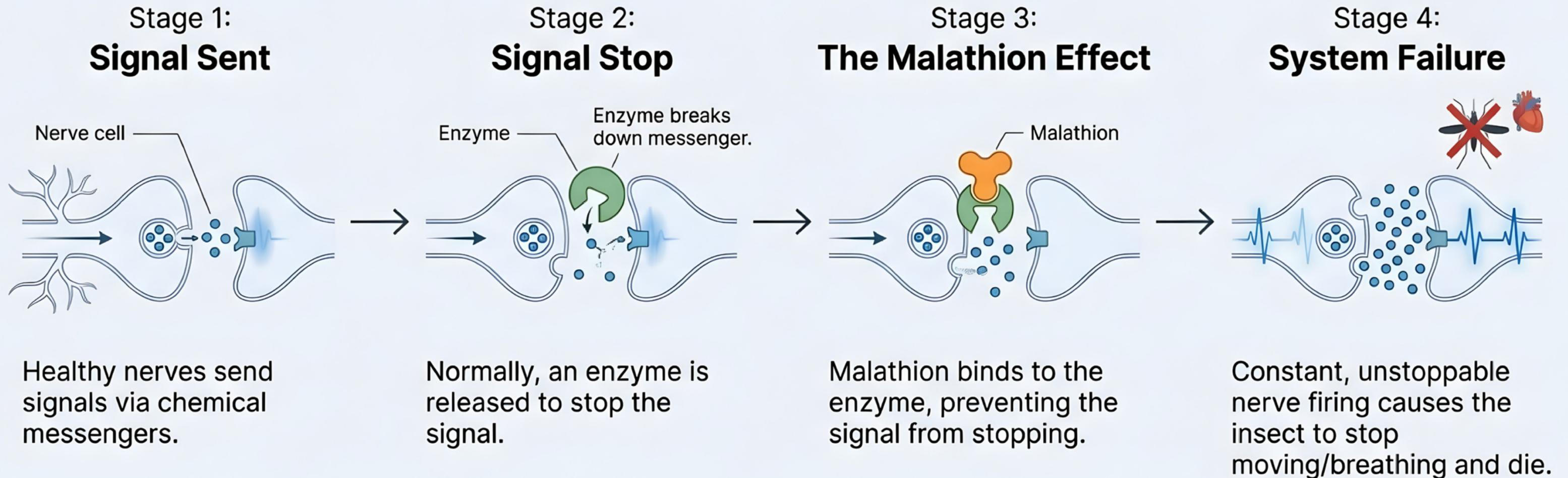


- ⚠️ An insecticide in the organophosphate chemical family.
- ⚠️ First registered in the US in 1956 (over 60 years old).
- ⚠️ Commonly found in agricultural pesticides, public health fogging, and even some lice shampoos.

Did You Know?

Malathion is linked to developmental disorders in children and has been found by the World Health Organization to be “probably carcinogenic to humans.”

How Chemical Agents Attack the Nervous System



Critical Insight: This mechanism is not selective. People, pets, and wildlife can be affected the same way if exposed to sufficient amounts.

The Human Cost of Toxic Exposure

Malathion is readily absorbed through the skin, breath, or ingestion. It travels to the liver and kidneys, affecting the nervous system.

| | | | |
|---|--|---|---|
|  | Difficulty breathing & chest tightness |  | Blurred vision & watery eyes |
|  | Vomiting, cramps, & diarrhea |  | Headaches, dizziness, & loss of consciousness |

⚠ WARNING: Malathion can cause intestinal disorders, brain damage, and respiratory complications, specifically in children and the elderly.

A Paradigm Shift in Mosquito Management

Safe. Herbal. Long-lasting. Effective.

Unlike chemical fogging, REPELL-F50 does not rely on neurotoxicity. It breaks the lifecycle.



Suppressing Appetite

Inhibits feeding and biting instinct.



Reducing Reproduction

Cuts down egg-laying capacity.



Exclusion

Keeps vectors away from breeding and resting zones.

The Power of Nature's Chemistry

Azadirachtin-rich Neem Extracts

The biological disruptor. Inhibits mosquito feeding and egg-laying behavior.



Citronella (Lemongrass) Oil

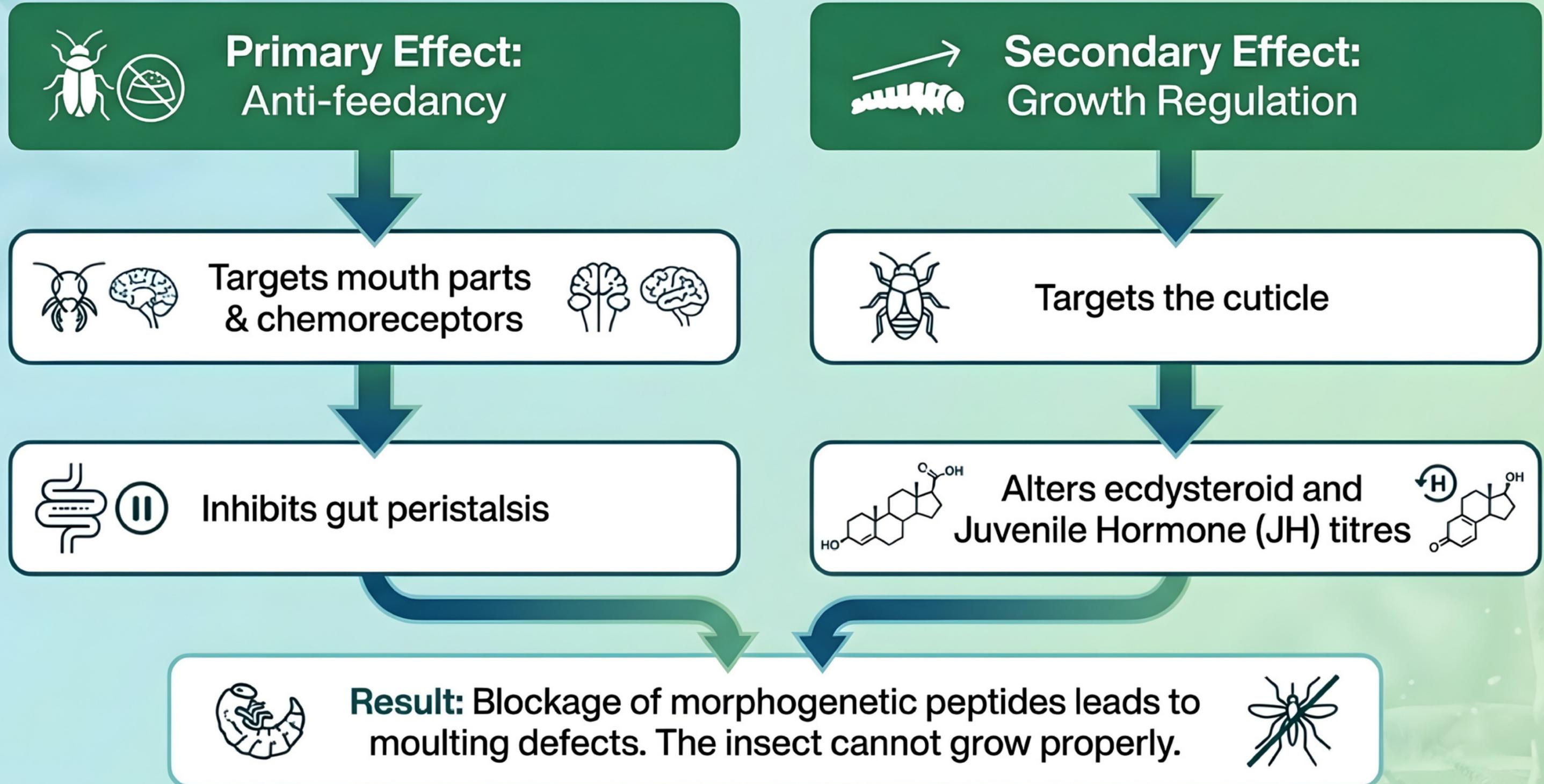
The repellent shield. Provides natural fragrance and strong insect-repelling properties.



100% Herbal & Biodegradable



Mechanism of Action: Azadirachtin



Breaking the Cycle at the Cellular Level

Reproductive Impact

- **Target:** Reproductive organs
- **Effect:** Reduction in viable eggs and live progeny (sterility)



Cellular Impact

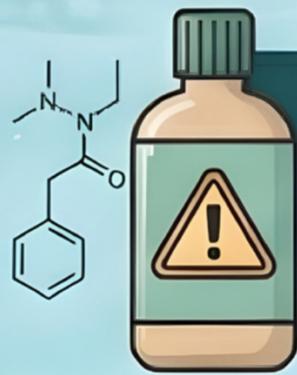
(Source: Mordue (Luntz) & Nisbet)

- **Cell Division:** Blockage of cell division post metaphase in meiosis and mitosis.
- **Muscles:** Loss of muscle tone due to blockage of digestive enzyme production.
- **Protein Synthesis:** Inhibited in various tissues.



The Safety of Lemongrass vs. DEET

Unlike DEET insect repellent sprays which can be poisonous, Lemongrass is organic and safe.



DEET
(Synthetic)

- Contains N,N-Diethyl-meta-toluamide, a synthetic compound.
- Potential neurotoxic effects and skin irritation.
- Avoid contact with eyes and ingestion.

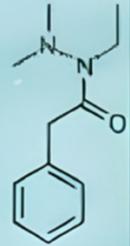
Lemongrass
(Organic)



Certification: Registered in the EPA-GRAS list (Generally Recognized As Safe).

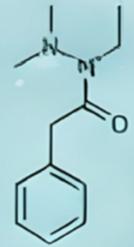
- **Active Compounds:** Contains Geranial and Neral (strong repellents against pests).
- Also contains Geraniol and Citronellol.
- **Mechanism:** Mosquitoes abhor the smell, creating an effective area denial shield.

Head-to-Head: Malathion vs. REPELL-F50



| Feature | Malathion (Fogging) | REPELL-F50 |
|--|--|---|
| Mode of Action | Toxicity-based killing | Behavioural disruption |
| Targeted Stage | Adults only | Adults & Breeding Cycle |
| Health Impact | Harmful | Safe for infants |
| Residual Effect | Few hours | 2+ weeks per application |
| Odour | Pungent & nauseous | Pleasant, herbal scent |
| Fogging Safety  | Toxic fumes  | Safe with diesel/herbal carriers |

The Maintenance Schedule



Spray



Spray



Spray



Spray



Spray



Spray



Spray



Fog

A safe alternative to Malathion fogging.

2 Weeks

2 Weeks

2 Weeks

2 Weeks

2 Weeks

2 Weeks

3 Months

Frequency: Spray every 2 weeks.

Duration: Continue regimen for 2 to 3 months.

Result: Drastically reduces mosquito populations for extended periods by breaking the breeding cycle.

Why Choose REPELL-F50?



100% Herbal & Biodegradable

(Non-toxic and environmentally friendly)

Safe for Vulnerable Groups

(Safe for children, pets, and infants)



Proven Efficacy

(Long-term vector control that breaks the lifecycle)



Versatile

(One product for Spraying, Mopping, and Fogging)



CHANGE INDIA - RESPONSIBLY, SUSTAINABLY

REDEFINING PURITY IN PEST CONTROL



NOVAROON GLOBAL LLP

Anuradha Cinema Building,
1st Floor, MRD Road, Bamunimaidam,
Guwahati, Assam - 781021

Contact : +91 9873744232

+91 8811055987

Email : novaroonglobal@gmail.com

Website : www.novaroonglobal.com