



PROVE THE KILL. Stop Guessing Your Fumigation's Efficacy.

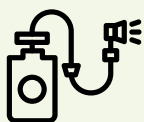
Live Insect Bioassays: The Ultimate Validation of
Your Fumigation Success.

The Uncertainty Trap

Why Fumigant Monitoring Fails to Deliver Certainty

Fumigation success is undermined by critical variables that fumigant monitors cannot track. Relying solely on Concentration X time (C X t) values leaves you vulnerable to expensive failure.

The Risks of using only C X t values include



Stratification

Fumigant gas
pockets of insufficient
concentration.



Absorption

Commodity reducing
fumigant quantity by
absorbing it.



Financial Loss

Costly re-fumigation,
rejected cargo, and
reputational damage.

*A fumigation is successful when its effectiveness is **biologically confirmed**.*

The Second Dimension

Introducing Biological Proof

A Live Insect Bioassay Kit provides definitive proof of fumigant lethality. By placing live, resilient insects in the hardest-to-reach spots in a fumigation enclosure, you directly measure the fumigant's biological impact.

Mechanism: Live insects in bioassay vials serve as indicators of fumigation success: if they die, the fumigant concentration was sufficient to penetrate the vials and kill the insects inside. Bioassay results provide verifiable proof required for quality assurance and regulatory compliance.

How Bioassays Fit GPA's Mission:



Monitoring

Ultimate post-fumigation effectiveness data.



Prevention

Confirms 100% insect kill to prevent their recurrence.



Certainty

Transforms compliance reporting.

Standardised & Ready-to-Use

Minimal training required for handling and use.

Resilient Insect Species

Selected to test the efficacy of fumigation.

Features

Secure and Safe

Sealed vials for safe handling pre- and post-fumigation.

Global Compliance Ready

Bio-assay results strengthen fumigation audit trails.

Benefits

01

Eliminate Risk

Secure your supply chain and inventory from insects.

02

Increase Trust

Provide verifiable fumigation data to customers.

03

Save Money

Avoid the high costs of fumigation failure.