

DYNAMIC SMOKE DISPERSION TECHNOLOGY™

# FUMITHOR™ DELTA

**INSECTICIDE SMOKE GENERATOR**

CUTTING  
EDGE SMOKE  
GENERATION  
TECHNOLOGY



ELIMINATES  
A WIDE RANGE  
OF FLYING AND  
CRAWLING  
INSECT  
PESTS

**ENSYSTEX®**  
THE INNOVATORS

# FUMITHOR<sup>™</sup> DELTA

INSECTICIDE SMOKE GENERATOR

COMMERCIAL, INDUSTRIAL, DOMESTIC & PUBLIC BUILDINGS

FOOD HANDLING, PREPARATION, AND STORAGE FACILITIES

WAREHOUSES AND STORAGE SHEDS

GRAIN SILOS

SHIPPING CONTAINERS

GLASSHOUSES

ANIMAL HOUSING

AGRICULTURAL BUILDINGS

An insecticide smoke generator using cutting edge *Dynamic Smoke Dispersion Technology*<sup>™</sup> - designed to be easier to use and more effective than ULV sprays, thermal fogging treatments and other smoke generators.

PLUS RAPID CLEAN-OUT  
OF INSECT PESTS IN  
DOMESTIC AND  
COMMERCIAL  
SITUATIONS  
THAT NEED  
PROTECTING  
QUICKLY

- ▶ Broad spectrum, highly effective smoke generation technology.
- ▶ Ready to use smoke generator, no requirement for expensive specialised equipment.
- ▶ Uses no solvents, is non-tainting and leaves no residual odour.



# FUMITHOR DELTA

INSECTICIDE SMOKE GENERATOR



**FUMITHOR DELTA is a revolutionary new way of eliminating a wide range of flying and crawling insect pests, even in previously inaccessible places.**

## **FUMITHOR DELTA – REACHES FURTHER:**

FUMITHOR DELTA uses smoke to reach inaccessible areas, penetrating deep into the tiniest cracks and crevices where the pests hide.

**With particle sizes down to just 1 micron the smoke can penetrate into places that are simply not reached by thermal fogs or ULV sprays.**

The active constituent - deltamethrin - is deposited on vertical, horizontal and underside of horizontal surfaces ensuring the most thorough treatment possible.

**There is nowhere for pests to hide from FUMITHOR DELTA!**

## **POWERED BY – DELTAMETHRIN:**

FUMITHOR DELTA is the only insecticide smoke generator to use deltamethrin, a broad spectrum pyrethroid, as the active constituent:

- Deltamethrin is proven in independent trials to be up to 10 times more potent than other smoke generators.
- Less insecticide per m<sup>3</sup> means it's more economical while reducing operator exposure to poison.
- Deltamethrin has been proven to have a good toxicological and environmental profile

# FUMITHOR DELTA

*Dynamic Smoke Dispersion Technology™*

*Kills pests in  
hard-to-reach  
spaces*

*Particle size of 1  
micron allows  
smoke penetration  
deeper than other  
thermal fogs or  
ULV droplets.*

*For use against  
insect pests such  
as bed bugs,  
cockroaches,  
ants, spiders,  
caterpillars,  
weevils, flies  
and other  
flying insects*



# FUMITHOR DELTA

## Proven performance of FUMITHOR DELTA

FUMITHOR DELTA deposits quickly onto surfaces

Proven particle size ensures an effective sterilisation of all surfaces

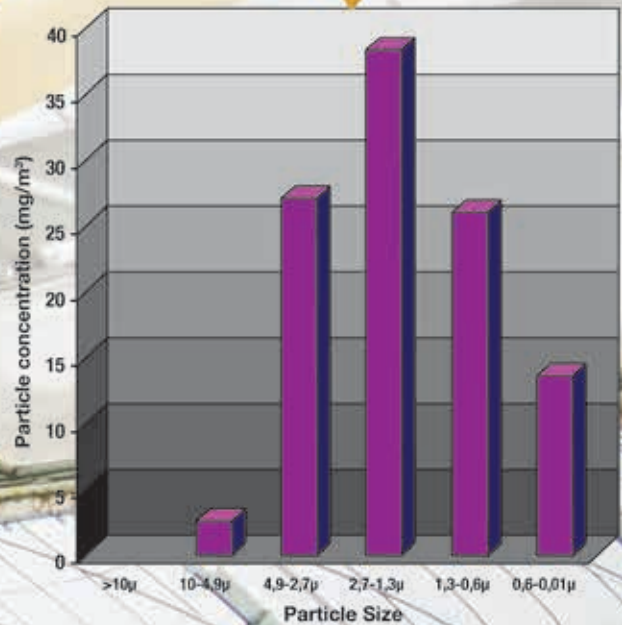
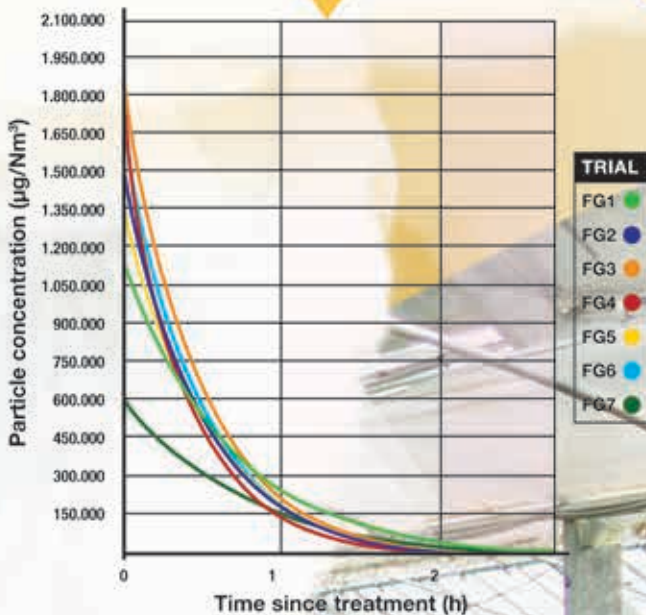


Figure 1:  
Graph curves where  $t = 0$  (moment of application of FUMITHOR) showing geometrical descent of the smoke. A strong decrease is observed in the concentration of particles in the air which shows a quick deposition of the product. Two hours after application, the FUMITHOR was completely deposited. Measurements were recorded using a Tapered Element Oscillating Microbalance, which allowed for gravimetric measurement in real time.

Figure 2:  
Particles size analysis of the smoke is reported using a Cascade Impactor. This allows separation of particles suspended in a gas or smoke, according to their size. All particles are very small ( $< 10$  microns), with 97.6% less than 5 microns and 72.3 % less than 2.7 microns. The mean range is between 1.3 and 2.7 microns. This ensures thorough penetration of the smoke to ensure an effective sterilisation of all surfaces.

The FUMITHOR DELTA generator is ignited to fill the air with advanced smoke technology

Smoke vapour is the optimal method of transmission when targeting large areas due to the minimal quantities of pesticide required - protecting your property and the environment.

MINIMAL  
IMPACT  
ON THE  
ENVIRONMENT ►

# FUMITHOR™ DELTA

## INSECTICIDE SMOKE GENERATOR

<b>Active constituent:</b>	20 g/kg deltamethrin Registration No. L11061 of Act No. 36 of 1947
<b>Formulation type:</b>	Ready to use smoke generator
<b>Registered to kill:</b>	Bed bugs, ants, cockroaches, caterpillars, fleas, flies, mosquitoes, hide beetles, fish moths (silverfish), bed bugs, stored product insects, carpet beetles, clothes moths.
<b>Packs / Use</b>	40 g Generator treats 250 – 500 m <sup>3</sup>
<b>How to use:</b>	<ul style="list-style-type: none"><li>• Close doors, windows and ventilators.</li><li>• Isolate or turn off any smoke alarms.</li><li>• Remove people, animals, fish and birds from area to be treated.</li><li>• Remove silk and rayon fabrics as discolouration may occur.</li><li>• Calculate the volume to be treated (volume = area x height) and determine how many generators are required. Space generators evenly through the building to be treated.</li><li>• Place the generator on a fireproof base at least 700 mm in diameter, on a protective floor covering or in a metal bucket.</li><li>• To ignite, using a gas lighter, light the wick.</li><li>• Always ignite those generators furthest away, lighting those nearest your exit last. Leave immediately after lighting smoke generators. The generator will burn for approximately 30 - 45 seconds, however keep area airtight for at least 3 hours after lighting.</li><li>• Ventilate for 30 - 60 minutes before re-entry.</li></ul>
<b>Where to use:</b>	<p><b>Ideal for enclosed areas:</b> such as food handling and preparation facilities, storage sheds, warehouses, shipping containers, commercial buildings, industrial facilities and public spaces;</p> <p><b>Protects agricultural areas:</b> including grain silos, glasshouses, animal housing and agricultural buildings;</p> <p><b>Rapid clean-out of insect pests:</b> in commercial and domestic situations that need protecting quickly and effectively.</p>

ALWAYS READ  
THE COMPLETE  
PRODUCT LABEL  
FOR COMPLETE  
USE DETAILS.

### ENSYSTEX SOUTH AFRICA (PTY) LTD

Building 3, The Burns Office Park  
12 A Jet Park Road, Jet Park  
Boksburg, 1469

Tel.: +27 11 894 3845

[www.ensystex.co.za](http://www.ensystex.co.za)

©™ Trademarks of Ensystex Inc. and used under licence  
by Ensystex South Africa (Pty) Ltd

BROFD1002 1.02 10.22

**ENSYSTEX®**  
THE INNOVATORS