



Agropharm

PYTHRINE® 33

Description

PYTHRIN 33 is a high quality, multipurpose, non persistent insecticide for use as a space/ULV spray, or thermal fog, or surface spray in the household, public health, farm, food storage and manufacturing areas. It is a quick acting contact spray which can be safely used against pests of stored products and is also effective against flies, wasps and other pests in kitchens, dairies, piggeries, poultry houses and food processing areas.

Active Ingredients

PYTHRIN 33 is based on natural pyrethrins as a knockdown and flushing agent, synergised by the inclusion of piperonyl butoxide.

PYTHRIN 33 contains:

	% w/vol
Pyrethrins	0.3 (0.38%w/w)
Piperonyl butoxide	3.0 (3.8 %w/w)

Pyrethrins: the insecticidally active esters of chrysanthemic and Pyrethic acid extracted from the flowers of *Chrysanthemum cinerariaefolium*

piperonyl butoxide:
5-[2-(butoxyethoxy)ethoxymethyl]-6-propyl-1, 3-benzodioxole

Specifications

Base carrier:	refined mineral oil
Flash point:	over 65°C (Pensky Martens Closed Cup)
Specific gravity:	0.8
Colour:	pale golden brown
Odour:	very slight
Stability:	Pythrin 33 has a shelf life of at least 3 years when stored in a cool place in the original sealed



Safety

The toxicity of pesticides is normally quoted in the form of the Acute Oral LD50 (the dosage required to kill 50% of test animals when administered orally). Under this system, the higher the figure (expressed as milligrams of active ingredient per kilogram of live weight test animal) the safer the product.

ACUTE ORAL TOXICITY OF ACTIVE INGREDIENTS	LD50 mg/kg, rats)
pyrethrins	584 - 900
piperonyl butoxide	7,500
CALCULATED TOXICITY OF PRODUCT	
PYTHRIN 33	Over 20,000

PYTHRIN 33 is thus an extremely safe product

Recommendations for use

PYTHRIN 33 controls major food storage pests: grain weevils, flour moths, dried fruit moths, tobacco moth and other problem insects such as roaches and ants. PYTHRIN 33 is also effective against houseflies, wasps and other flying insects in food preparation / processing areas. Furthermore, PYTHRIN 33 can be used to control houseflies, hornflies, and other nuisance flies in dairies and piggeries, and mites in poultry houses.

As a space spray/ULV:

Apply as a very fine mist through suitable misting machine at a rate of 100ml/300m³. In animal houses the best results are obtained by using a powdered ULV sprayer, such as a Turbair "Electrafan" or "Ulvafan". For outdoor use, apply 5 to 25 litres per hectare.

As a thermal fog:

Apply using a specialised thermal fogging apparatus, such as SwingFog or Igeba TF machine. Fogging can be conducted indoors or outdoors if the wind velocity is low. Use similar rates to those recommended for ULV spraying.

As a surface spray:

As a contact spray and to provide a brief residual insecticidal effect on treated surfaces, apply at a rate of 2-5 litres per 100m² of surface by means of a power or knapsack, or hand-held sprayer adjusted to give a rather coarse spray. Depending on conditions within the store, the treatment should be renewed after 7-10 days.

Packing: Tins or Polybottles of 5 litres