



International

# Pythrin 33

Insecticidal space and surface spray

Contains:  
0.38% w/w pyrethrins



**Pythrin 33 is a ready for use non-persistent insecticidal spray for fogging, misting or surface treatment in food handling premises and for public hygiene / nuisance insect control.**

Based on the broad spectrum insecticidal activity of pyrethrins, Pythrin 33 is synergised with piperonyl butoxide (PBO) to increase efficacy and inhibit the insect's natural resistance mechanism.

Pyrethrins are natural substance purified from chrysanthemum flowers. Chrysanthemum flowers have been available in Europe for over 150 years and in their powdered form were used as louse and flea powders. It is only in the last 50 years that liquid concentrates for public health pest control have appeared.

Pyrethrins cause rapid knockdown of insects followed shortly by death. The mode of action is non-systemic and contact action caused by the binding of pyrethrins to sodium channels inhibits the insect's nervous system. This mode of action leads to a broad-spectrum of insecticidal activity, and due to the non-persistence of the active ingredient in the environment, insect resistance is very rare.

**Why should you use Pythrin 33?**

- Contains natural pyrethrum with rapid knockdown and killing effect
- Easy and fast application for cost effective treatments
- For those who care for the environment

## Packaging

Available in a 1 litre bottle and 5 litre flagon.

# Technical Information

## Insects controlled

For the control of flying insects such as flies, fruit flies, mosquitoes, wasps and stored product moths. The spray may also be used against crawling insects such as cockroaches and stored product insects and for the control of wasp nests.

## Application

As a space spray / ULV: Apply with any suitable hand, mechanically, or electrically operated sprayer capable of producing a fine mist or fog.

## Areas of Use

**Domestic:** Private housing

**Food Handling:** Processing: food manufacturing, kitchens, slaughterhouses etc.

**Food Storage:** Food retailers, warehouses, raw material stores etc.

**Food Preparation:** Restaurants, commercial kitchens etc.

**Public Buildings:** Hospitals (excluding occupied wards) hotels, public baths, municipal buildings, churches, halls, community centres, cinemas etc.

**Outdoors:** Refuse tips, sewage works (excl. filter beds) amenity areas etc.

## Directions for use

**As a space spray indoors:** Use 1 litre to 500 cubic meters. Close windows and doors before spraying and for at least 30 minutes afterwards. Distribute evenly as a fine mist or fog. For moth infestations, treatment at weekly intervals is recommended, until infestations are brought under control. More frequent applications may be necessary for heavy infestations. Spray as frequently as the situation demands for flying insect control.

## As a space spray outdoors (urban/industrial sites):

Apply at rates up to 25 litres per ha. In very large areas, rates of application as low as 5 litres per ha may be acceptable, but in smaller areas this must be increased up to a maximum of 25 litres per ha. The best conditions for outdoor spraying occur in the early morning or late afternoon and evening when conditions are most likely to be still. Spray as frequently as the situation demands.

**For crawling insects:** As a contact spray apply at a rate of up to 5 litres per 100 square meters, i.e. sufficient to dampen the insects. Apply directly to insects present on fabric of warehouses, granaries, mills, bakeries and similar situations or insects on the surfaces of bags and cases containing stored food products. Special attention should be paid to cracks and crevices and other insect harbourages.

**For wasp nests:** Apply liberally and directly to nest or to entrance holes of concealed nests at dusk or when activity around the nest is quiet.

**As a contact or surface spray:** Apply with any suitable hand, mechanically, or electrically operated sprayer capable of producing a fine mist or fog. Use only equipment adjusted to give a course spray.

## READ THE LABEL BEFORE USE

### Storage & Disposal

Keep out of reach of children.

Store locked up.

Avoid release to the environment.

Dispose of contents/container in accordance with national regulations.

### Handling

Do not eat, drink or smoke while using this product.

Wash thoroughly after handling.

Collect spillage.

IF SWALLOWED: Immediately call a POISON CENTER/ doctor. Do NOT induce vomiting.

### Precautions

Harmful if inhaled.

May cause an allergic skin reaction.

May be fatal if swallowed and enters airways.

Very toxic to aquatic life with long lasting effects.