



# AquaPy®

**For use only as an insecticide**

**For the control of:**

- **Crawling insects**
- **Flying insects**

# 1Le

Approval Holder :  
Bayer CropScience Ltd.

Emergency phone : UK : 0800 220876  
Overseas 24 hr +44(0)1603 242424

AquaPy® is a registered trademark of Bayer.  
© Copyright of Bayer 2010 - All rights reserved.



**N**

**Dangerous for the environment.**

**Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.**

Contains: Pyrethrins including cinerins (AOAC) 3.00% w/w (30 g/L) synergised with piperonyl butoxide.

*Further information is available from:*  
Bayer Environmental Science  
Bayer CropScience Limited  
230 Cambridge Science Park  
Milton Road - Cambridge CB4 0WB  
Tel: 00800 1214 9451  
[www.pestcontrol-expert.com](http://www.pestcontrol-expert.com)



# Bayer

## AquaPy®

An emulsion in water giving non-persistent insecticidal sprays for use in food handling premises, animal husbandry areas, public hygiene/nuisance, empty grain storage and transport and tobacco industry insect control. The product is ready-to-use for application as an ultra low volume aerosol or can be diluted with water for application as a mist, thermal fog or surface spray. AquaPy is an anti-evaporant, low odour product containing synergised natural pyrethrins and minimal volatile organic compounds (voc's). It provides rapid knockdown and kill and will flushout insects from their harbourages.

### For the control of:

**Flying insects** e.g. Flies, Mosquitoes, Stored Product Moths and Tobacco Beetles.

Wasps – by treating in and around the nest.

**Crawling insects:** as an aid to the control of e.g. Cockroaches, Bed Bugs, Fleas, Saw-Toothed Grain Beetles, Grain Weevils, Flour Beetles, Grain Borers, Mealworm Beetles, Leather Beetles and Tobacco Beetles.

### Directions for Use:

SHAKE CONTAINER THOROUGHLY BEFORE DISPENSING AQUAPY.

A space and contact (surface) spray for use in the following situations:

#### Domestic Premises

Private Housing.

#### Food Handling:

**Processing:** Food manufacture, kitchens, slaughterhouses, bakeries, mills etc.

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

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

#### Commodity Storage

Tobacco facilities, empty grain storage areas/silos and empty grain transport but not for direct use on grain. Accepted by the British Beer and Pub Association and Brewing Research International for use in empty grain stores intended for storage of malting barley.

#### Public Buildings

Hospitals, hotels, public baths, municipal buildings, churches, halls, community centres, cinemas, offices etc.

#### Farm Buildings, Animal Husbandry Areas

In and around poultry houses, cattle sheds, milking parlours, piggeries etc.

#### Outdoor

Refuse tips, transit stations, indoors and outdoors at sewage works (excluding filter beds and open water tanks), amenity areas etc. Aquapy has case specific approvals from AfOR (Association for Organics Recycling) for use in composting systems – contact AfOR via [www.organics-recycling.org.uk](http://www.organics-recycling.org.uk) to request approval before use.

#### Continuously occupied areas:

In continuously occupied areas such as hospital wards, residential nursing homes and prisons, Aquapy may only be used as a crack and crevice or band/spot treatment. Not for use on human clothing or bedding.

**Aircraft:** Complies with requirements of AMS1450A and Boeing D6-7127.

For optimum performance ensure that the temperature of the product is not below 10°C during application. Depending upon the manner of use, AquaPy may be diluted with water. Prepare a fresh solution as required. The diluted material should not be stored.

#### As a Space Spray Indoors:

Close doors and windows and shut off ventilation systems before spraying and for at least 30 minutes after treatment. Distribute spray evenly throughout the area. Treatments should be timed to coincide with the time of maximum flight activity for the target insect. For Tobacco Beetles this will typically be in the late afternoon and evening.

Direct the spray into identified insect harbourages. Spray as frequently as the situation demands. Treatment at weekly intervals is recommended. More frequent applications may be necessary for heavy infestations.

#### As a Space Spray Outdoors

In general the dose rate for large areas should be acceptable (see table), but if only small areas are being treated the dose rate may have to be increased. The best conditions for outdoor spraying occur in the early morning or late afternoon and evening when conditions are most likely to be still.

## Dilution and Application Rates

Treatment	Pest Species	Dilution Rate with Water	Application Rate
		AquaPy          Water	
<b>Space Spray Indoors</b>			
Ultra Low Volume Aerosol	<b>Flying Insects</b> (not Tobacco Beetles)	Undiluted – Ready to Use	100 ml/3000 m <sup>3</sup>
	Crawling Insects Cockroaches	Undiluted – Ready to Use	200 ml/3000 m <sup>3</sup>
	Fleas & Bed Bugs	Undiluted – Ready to Use	300 ml/3000 m <sup>3</sup>
	Stored Product Insects and Tobacco Beetles	Undiluted – Ready to Use	400 ml/3000 m <sup>3</sup>
Misting/Thermal fogging	<b>Flying Insects</b> (not Tobacco Beetles)	1 part (100 ml) 9 parts (900 ml)	1 Litre/3000 m <sup>3</sup>
Misting	<b>Crawling Insects</b> Cockroaches	1 part (200 ml) 4 parts (800 ml)	1 Litre/3000 m <sup>3</sup>
	Fleas & Bed Bugs	1 part (300 ml) 2.3 parts (700 ml)	1 Litre/3000 m <sup>3</sup>
	Stored Product Insects and Tobacco Beetles	1 part (400 ml) 1.5 parts (600 ml)	1 Litre/3000 m <sup>3</sup>
<b>Space Spray Outdoors</b>			
Ultra Low Volume Aerosol	Large Areas	Undiluted – Ready to Use	500 ml/Hectare
	Small Areas	Undiluted – Ready to Use	100 ml/500 m <sup>2</sup>
Thermal fog	Large Areas	1 part (100 ml) 9 parts (900 ml)	5 Litres/Hectare
	Small Areas	1 part (80 ml) 11.5 parts (920 ml)	1 Litre/500 m <sup>2</sup>
<b>Surface spray</b>			
No residuality: under 24 hours	Cockroaches Fleas & Bed Bugs Stored Product Insects Tobacco Beetles	1 part (125 ml) 39 parts (4.875 L)	5 Litres/100 m <sup>2</sup>
Short Residuality; 1 to 2 weeks	Cockroaches Fleas & Bed Bugs Stored Product Insects Tobacco Beetles	1 part (500 ml) 9 parts (4.500 L)	5 Litres/100 m <sup>2</sup>
	Wasps (Nests)	1 part (100 ml) 9 parts (900 ml)	Spot Application
Solid waste management	Flies	1 part (100 ml) 9 parts (900 ml)	5 Litres/100 m <sup>2</sup>

### **As a Surface Spray**

As a direct contact spray apply at a rate sufficient to dampen the insects present on the fabric of warehouses, granaries, mills, bakeries and similar situations, or to 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. Spray as frequently as the situation demands. Residuality will depend on the rate used (see table) and the environmental conditions (surface type, cleanliness, moisture, temperature, etc).

### **Solid Waste Management**

In solid waste management programmes the use of AquaPy should be integrated with good management practices e.g. regular infilling and compaction of refuse to a depth of at least 225 mm. New tip surfaces should be sprayed as they are created. Treatments should be repeated as necessary.

### **For Wasp Nests:**

Apply liberally and directly to the nest or to entrance holes of concealed nests until the nest is saturated. Treatments should only be carried out at dusk or other times when wasp activity around the nest is minimal.

### **Resistance Management:**

Space sprays containing pyrethrins or pyrethroids must not be used more than once a week against house flies in intensive or controlled environment animal houses as they could cause control failure due to resistance. If more frequent treatments are required use a product with a different active ingredient and if necessary a different method of control (e.g. Quickbayt – see labels for details).

### **Spraying Equipment**

#### **As a Space Spray:**

**ULV Aerosol** Apply with any suitable aerosol generator capable of producing a distribution of droplets with a maximum Volume Median Diameter (VMD) value of 50 µm and preferably below 25 µm.

**Mist/ThermalFog** Apply with any suitable hand, mechanically or electrically operated sprayer capable of producing a fine mist or fog. It is important when applying water-based formulations to ensure the fogging machine is set up correctly and this may involve the use of a high performance fogging tube.

#### **As a Contact (Surface) Spray:**

Apply with any suitable hand, mechanically or electrically operated sprayer capable of producing a coarse spray.

Use only equipment adjusted to give a coarse spray.

### **WARNINGS**

Protect from frost. Store at temperatures between 5-35°C.

This product may separate on storage; shake container thoroughly before dispensing.

Do not spray the moving parts of any machinery, electric motors and switchgear.

This spray will not harm ordinary fabrics or affect commonly used dyes, but before spraying delicate or expensive materials, test first by rubbing a little spray on some inconspicuous spot. Not for use in plumbed-in spray systems.

Not for use on human clothing.

Do not apply directly to tobacco.

Not for direct use on grain in grain storage areas/silos.

### **PRECAUTIONS**

WASH ANY CONTAMINATION from skin or eyes immediately.

WASH HANDS AND EXPOSED SKIN before meals and after use.

Keep only in the original container.

Keep container tightly closed.

KEEP IN A SAFE PLACE.

Use appropriate containment to avoid environmental contamination.

DO NOT HANDLE TREATED FABRICS UNTIL DRY AND AIR THOROUGHLY BEFORE USE.

COLLECT EGGS AND REMOVE FEED, EXPOSED WATER AND MILK BEFORE APPLICATION.

**To avoid risks to man and the environment, comply with the instructions for use.**

Safety data sheet available for professional user on request.

## STATUTORY CONDITIONS RELATING TO USE

FOR USE ONLY AS AN INSECTICIDE  
FOR USE ONLY BY PROFESSIONAL OPERATORS.

### Dose

**By ULV Indoors:** Apply 100 – 400 ml of product per 3000 m<sup>3</sup> depending on insect pest.

**By ULV Outdoors:** Apply 500 ml of product per 10,000 m<sup>2</sup> for large areas or 400 ml of product per 2,000 m<sup>2</sup> for small areas.

**By Spray Mist Indoors:** Dilute 1 part of product with 1.5 – 9.0 parts of water depending upon insect pest. Then apply 1 litre of diluted product per 3,000 m<sup>3</sup>.

**By Thermal Fog Indoors:** Dilute 1 part of product with 9 parts of water. Then apply 1 litre of diluted product per 3,000 m<sup>3</sup>.

**By Thermal Fog Outdoors:**

*Large Areas:* Dilute 1 part of product with 9 parts of water. Then apply 5 litres of diluted product per 10,000 m<sup>2</sup>.

*Small Areas:* Dilute 1 part of product with 11.5 parts of water.

Then apply 1 litre of diluted product per 500 m<sup>2</sup>.

**By Coarse Spray Indoors:** Dilute 1 part of product with 9 – 39 parts of water, depending upon insect pest. Then apply 5 litres of diluted product per 100 m<sup>2</sup>.

**By Coarse Spray Outdoors:** Dilute 1 part of product with 9 parts of water then apply 5 litres of diluted product per 100 m<sup>2</sup>, or spray liberally onto wasp nests.

The (COSHH) Control of Substances Hazardous to Health Regulations 2002 (as amended) may apply to the use of this product at work.

Engineering control of operator exposure must be used where reasonably practicable in addition to the following items of personal protective equipment.

Wear suitable protective clothing.

Wear suitable gloves.

DO NOT BREATHE FOG OR SPRAY MIST. Otherwise wear respiratory protective equipment and eye protection (see HSE Guidance Booklet HS (G) 53: "Respiratory Protective Equipment – a practical guide for users").

However, engineering controls may replace personal protective equipment if a COSHH assessment shows they provide an equal or higher standard of protection.

AVOID EXCESSIVE CONTAMINATION OF COVERALLS AND LAUNDER REGULARLY.

DO NOT CONTAMINATE FOODSTUFFS, EATING UTENSILS OR FOOD CONTACT SURFACES.

COVER ALL WATER STORAGE TANKS before application.

EXCLUDE ALL PERSONS AND ANIMALS DURING TREATMENT.

UNPROTECTED PERSONS AND ANIMALS SHOULD BE KEPT AWAY FROM TREATED AREAS UNTIL SURFACES ARE DRY.

ALL BATS ARE PROTECTED UNDER THE WILDLIFE AND COUNTRYSIDE ACT 1981. BEFORE TREATING ANY STRUCTURE USED BY BATS, CONSULT NATURAL ENGLAND, SCOTTISH NATURAL HERITAGE OR THE COUNTRYSIDE COUNCIL FOR WALES.

DO NOT APPLY DIRECTLY TO LIVESTOCK AND POULTRY. COLLECT EGGS AND REMOVE FEED, EXPOSED WATER AND MILK BEFORE APPLICATION.

Protect milk machinery and milk containers from contamination.

Do not contaminate ground, waterbodies or watercourses with chemicals or used container.

HARMFUL TO FISH AND OTHER AQUATIC LIFE.

REMOVE OR COVER ALL FISH TANKS AND BOWLS before application.

HAZARDOUS TO BEES.

DO NOT USE ON FILTER BEDS AT SEWAGE TREATMENT WORKS.

DO NOT APPLY TO CLOTHING OR BEDDING.

DO NOT APPLY DIRECTLY TO TOBACCO.

WASH HANDS AND EXPOSED SKIN before meals and after use.

KEEP IN A SAFE PLACE

This material and its container must be disposed of in a safe way.

Do not empty into drains.

**READ ALL PRECAUTIONS BEFORE USE (HSE 5799, PCS No. 93571).**

WHO classification: U (Unlikely to present acute hazard in normal use).

This product is approved under The Control of Pesticides Regulations (1986) for use as directed (HSE 5799).

When stored in a dry place at temperatures not exceeding 35°C AquaPy has a shelf life of three years.