



DANGER
KEEP OUT OF REACH OF CHILDREN



Actellic[®]

50 EC

INSECTICIDE

For use in Grain, Grain Stores
and for Fly control

Active Ingredient:
500 g/litre of pirimiphos-methyl in the form of an emulsifiable concentrate



PLEASE READ THE LABEL COMPLETELY BEFORE USE

HAZARD CLASSIFICATIONS: Flammable liquid Category 3, Aspiration hazard Category 1, Eye irritation Category 2, Reproductive toxicity Category 2, Specific target organ toxicity (repeated exposure) Category 1, Hazardous to the aquatic environment acute Category 1, Hazardous to the aquatic environment chronic Category 1, Hazardous to soil organisms, Hazardous to terrestrial vertebrates, Hazardous to terrestrial invertebrates.

WARNING: FLAMMABLE, TOXIC, ECOTOXIC
Flammable liquid and vapour. Causes serious eye irritation. May be fatal if swallowed and enters airways. Suspected of damaging fertility or the unborn child. Causes damage to organs through prolonged or repeated exposure. Harmful to the soil environment. Very toxic to aquatic life with long lasting effects. Very toxic to terrestrial vertebrates and terrestrial invertebrates.

PRECAUTIONS
Obtain read and follow all safety instructions before use. This product must only be handled, mixed and applied by a suitably qualified person as defined under the HPC notice 2017 Part 4C.

Record keeping:
If 3 L or more is applied within 24 hours and likely to leave the application area, the person in control must ensure that a written record is kept for each application.

PERSONAL PROTECTION:
Avoid contact with eyes and skin. Avoid inhalation of vapour or spray mist. Avoid handling, mixing or use of the product or container near heat, flame or other source of ignition. Always use diluted in water. Do not use near air vents or ducts. When mixing or applying, wear overalls, chemical resistant boots and gloves, waterproof head covering, eye protection and respirator (organic vapour and particulate matter). Clean protective clothing daily after work. Do not eat, drink or smoke while using. Remove protective clothing and wash hands and face thoroughly after handling. Do not touch eyes.

STORAGE:
Keep out of reach of children. Ground and bond container and receiving equipment. Use explosion proof electrical, ventilating, and lighting equipment. Use non sparking tools and take action to prevent static discharges. Do not store near heat, flame or other source of ignition. Store in the original, tightly closed container, in a secure and well-ventilated area away from feed or foodstuffs. Do not store for prolonged periods in direct sunlight. Stores containing 100 litres of Actellic 50 EC require secondary containment and signage, and more than 100 litres require emergency response plans. When stored appropriately this product should show no significant degradation for two years from the date of manufacture. Contact your supplier for further information about the use of product that is older than this.

DISPOSAL:
Dispose of this product only by using in accordance with this label, or at a suitable landfill. Do not burn. Triple rinse container and add rinsate to the spray tank. Dispose of container to a suitable landfill or agricultural recycling scheme. Do not use container for any other purpose.

ENVIRONMENTAL:
Use this product carefully. Do not contaminate aquatic environments with product, spray drift or empty container. Take all reasonable steps to ensure that the substance does not cause any significant adverse effects to the environment beyond the application area. Very toxic to bees – Do not apply this product to plants in flower or likely to be visited by bees or any area where bees are foraging.

FIRST AID
If medical advice is needed, have the product container or label at hand. If swallowed get medical advice immediately. Do NOT induce vomiting. If splashed in eyes, rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists, get medical attention. If skin or hair contact occurs, remove contaminated clothing and wash with soap and running water. If inhaled, immediately move to fresh air and rest. Maintain half upright position if breathing is difficult. Call the National Poisons Centre **0800 POISON (0800 764 766)** (24 hrs) or a doctor immediately for advice or feeling unwell.

EMERGENCY RESPONSE
In a transport emergency call **111, Police or Fire Brigade**. In a fire, evacuate and call **111 Fire Brigade**. For specialist advice in an emergency only, call **0800 CHEMCALL (0800 243 6225)** (24 hrs).

SPILLAGE
Extinguish any ignition sources. Exclude non-essential people from the area. Wear protective clothing and prevent material from entering waterways. Absorb spill with inert material such as soil, sand, etc, and place in a waste container. Wash area with water and detergent, and absorb with further inert material. Dispose of safely to a suitable landfill.

Batch No.
Date of Manufacture

SAFETY DATA SHEET
Additional information is provided in the safety data sheet. Freephone **0800 ORIONAS (0800 674 6627)** or visit **www.orionagriscience.co.nz**

GENERAL INFORMATION
Actellic 50 EC is a fast acting broad-spectrum organophosphate insecticide of low mammalian toxicity. It kills insects by contact, ingestion and fumigant action. Actellic 50 EC controls a range of pests in grain, grain stores, livestock houses and yards. Insect pests controlled include: Flies, Wasps, Beetles, Weevils and Moths. Actellic 50 EC provides rapid knockdown of insect pests and will persist on walls, floors and other inert surfaces to give residual control.

DIRECTIONS FOR USE
Apply with well-maintained and calibrated spray equipment. Do NOT use with thermal foggers.
It is an offence for users of this product to cause residues exceeding the relevant MRL in the Food Notice: Maximum Residue Levels for Agricultural Compounds. It is an offence to use this product on animals.

Grain / Storage Pests			
Situation	Pest	Rate	Critical Comments
Disinfestation of empty grain stores, silos, grain handling equipment and the treatment of bagged small grains	Saw-toothed Grain Beetle, Granary Weevil, Maize Weevil, Rice Weevil, Red Flour Beetle, Confused Flour Beetle,	200 ml in 10 litres of water	Note: Lesser Grain Borer (<i>Rhizopertha dominica</i>) may require higher rates or an alternative material.
Unpainted concrete surfaces	Angoumois Grain Moth, Keuhniella, Mediterranean Flour Moth, Fruit Moth, Cereal Mite, Flour mite, Flat Grain Beetle,	200 ml in 10 litres of water	Spray to point of run-off.
Other surfaces	Indian Meal Moth, Lesser Meal Worm, Hide Beetle, Psocids, Brown House Moth, Bean Weevil, White Shouldered House Moth, Australian Spider Beetle, Cadelle, Dried Fruit Moth	100 ml in 10 litres of water	Spray to point of run-off.
Bagged grain		50-100 ml in 5 litres of water per 100 square metres	Use the higher rate for existing infestations.
Admixture to stored grain		8 ml per tonne of grain	Recommended where long-term protection is required. Apply dilute with sufficient water to obtain uniform distribution. It is not essential to cover every grain as the fumigant action of Actellic 50 EC will help with overall insect control.

Flies / Wasps			
Situation	Pest	Rate	Critical Comments
Indoor residual spray Slaughter houses, dairy factories, poultry houses, piggeries	Flies	100 ml in 10 litres of water	For surfaces other than unpainted concrete. Remove all animals from areas to be treated and DO NOT use in areas where dairy or meat products or packaging materials are processed, packed or stored. Apply using a coarse spray, apply to wet all surfaces. Particular attention should be paid to areas where flies congregate. Repeat monthly or when flies reappear.
Outdoor Stockyards, around animal houses, refuse tips, bins and compost heaps	Flies	500 ml in 10 litres of water per 100 square metres	Use after removing all animals from areas to be treated.
Outdoor nests	Wasps	100 ml in 10 litres of water	Thoroughly spray nests and surrounding area. Treat in the evening or early morning when wasps are not active. Plug entrance after treatment.

PREPARATION
All surfaces to be treated should be free of dust, dirt or food residues as these impair insecticide adhesion and encourage reinfestation. All exposed food and open food containers should be removed before treatment, or covered to avoid unnecessary contamination. Food contact surfaces should be thoroughly cleaned after application.

APPLICATION METHODS
Actellic 50 EC may be applied through conventional spraying equipment including knapsack and motorised sprayers. Do **NOT** use with thermal foggers. When applying as a spray, sufficient water should be used to wet all surfaces yet avoid run-off. All surfaces should be sprayed including floors, walls and ceilings, with particular attention to areas where insects breed and hide, such as cracks and crevices and warm areas around equipment.

Note: In practice the actual amount of spray which can be applied to a surface without run-off varies. Normally 5 litres per 100 square metres will be sufficient, but on porous surfaces such as concrete, bricks and unpainted wood, up to 15 litres per 100 square metres may be required. In the interests of efficiency and economy it is necessary to consider the type of surface to be sprayed. Regular treatment may be necessary where washing or rain removes insecticide residues and on alkaline surfaces such as plaster or unpainted concrete.

RESISTANCE MANAGEMENT

GROUPS	1	INSECTICIDE
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Actellic 50 EC contains the organophosphorus compound pirimiphos-methyl. Resistance to this product could develop from excessive use. To minimise this risk, use strictly in accordance with label instructions. Consult <http://resistance.nzpps.org/index.php> for alternative modes of action and details of resistance management strategies (if any) for the insect pests listed on this label.

WARRANTY
This formulation is warranted to contain the specified active ingredient within accepted analytical tolerance when packed. The user bears the risk for damage resulting from factors beyond the manufacturer's control. The manufacturer declines all liability for damage resulting from improper storage or use of the product.

AssureQuality Assessed (Categories B and C) (Dairy Factories)
MPI Approved Type B (All animal product except dairy)
Registered pursuant to the ACVM Act 1997, No. P3590
See www.foodsafety.govt.nz for registration conditions.
Approved pursuant to the HSNO Act 1996, No. HSR000196
See www.epa.govt.nz for approval controls.
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0800 674 6627 www.orionagriscience.co.nz



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FLAMMABLE LIQUID, N.O.S. (AROMATIC SOLVENT 36%, BUTANOL 2%)
PACKING GROUP III
HAZCHEM CODE 3[Y]
ADDITIONAL INFORMATION: ORGANOPHOSPHORUS INSECTICIDE (PIRIMIPHOS METHYL 50%)
IN A TRANSPORT EMERGENCY, DIAL 111 POLICE OR FIRE BRIGADE.
FOR SPECIALIST ADVICE IN AN EMERGENCY CALL 0800 CHEMCALL (0800 243 622)