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GROUP	4	INSECTICIDE
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AGITA[®] 10 WG

COMMERCIAL
WETTABLE GRANULES

- *For the control of house flies (Musca domestica) in animal housing*
- *With fly sex attractant, Z-9-Tricosene*
- *Kills Litter Beetles (Darkling Beetles) in poultry housing on contact*
- *Thiamethoxam Paint/Spray – Fly Bait*
- *Water Dispersible Granule Insecticide In Agricultural Buildings*
- *Up to 6 Weeks Residual House Fly Control*

GUARANTEE:

Thiamethoxam 10 %
Z-9-Tricosene 0.05 %
Warning, contains the allergen milk

REGISTRATION NO. **30336** PEST CONTROL PRODUCTS ACT

**KEEP OUT OF REACH OF CHILDREN
READ THE LABEL BEFORE USING
CAUTION SKIN IRRITANT**

NET CONTENTS: 10g -100kg

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General:

AGITA® 10 WG is a new water dispersible residual insecticidal bait formulation for the control of house flies (*Musca domestica*) in agricultural buildings (e.g. barns, poultry houses, etc.). The novel combination of a neonicotinoid insecticide with both contact and stomach modes of action, with a house fly sex attractant and a bait, provides an effective fly bait formula which encourages both male and female house flies to remain in treated areas and consume or contact lethal doses of the product. This unique formulation affords the end user up to 6 weeks of residual activity when applied according to label directions.

In addition, AGITA 10 WG kills litter beetles (*Alphitobius diaperinus*) on contact in broiler houses. AGITA 10 WG should be used as part of an integrated pest management program for insects.

Directions for Use:

General:

Use any AGITA 10 WG suspension on the day of mixing, preferably immediately after preparation. Do not treat dirty, highly porous or newly whitewashed walls to prevent loss of long term efficacy. Do not apply on metal and glass surfaces to avoid excessive run-off. Treated surfaces may display a slight, discernable discolouration (white to beige film or powder) when dry, that permits applicators to identify treated surfaces and monitor the rate of bait consumption.

Apply ONLY in locations not accessible to children, pets, domestic animals or wildlife, and ONLY on surfaces not routinely contacted by livestock or workers/bystanders. Protect from direct sunlight, water and rainfall. DO NOT contaminate irrigation or drinking water supplies or aquatic habitats by cleaning of equipment or disposal of wastes.

AGITA® 10 WG is a formulation suitable for application as a paint-on and/or spray-on insecticidal bait for house flies or a contact insecticide for litter beetles. The appropriate recommendations for use rates and individual methods for these applications are as follows:

Paint-On for Adult Fly Control:

Thoroughly mix the appropriate quantity of AGITA® 10 WG to effectively treat the intended surface areas with a corresponding volume of lukewarm water to obtain a suspension with the consistency of a brushable paint. In general, **a ratio of 125 grams of AGITA 10WP per 100 mL of water** produces a mixture of suitable consistency that effectively coats surfaces and provides adequate drying times. The freshly prepared suspension should be applied using a brush and, because of the highly attractive nature of the AGITA bait formulation, need only be applied to a small percentage of the available surface area of a building. For paint applications, **a daily maximum quantity of 2.0 kg of AGITA 10 WG** may be mixed and applied by one person.

The following table (Table I) provides a guideline for the product dilutions and approximate equivalent sizes of the building that can be treated (expressed in terms of floor surface areas) with each volume;

TABLE I
AGITA® 10WG as a Paint-On - Guide

50 g	100 g	250 g*	400 g	1 Kg
In 40 mL water	In 80 mL water	In 200 mL water	In 320 mL water	In 800 mL water
Size of Building - Equivalence in Floor (Ground) Surface Area (m²)				
20 m ² ground	40 m ² ground	100 m ² ground*	160 m ² ground	400 m ² ground

*NOTE: As an example, to treat a room with a floor surface area of 100m², prepare a suspension of 250 grams of AGITA 10WG in 200 milliliters of water and apply this volume to approximately 20 spots of 300 cm² each.

Because the effective attractive nature of the AGITA formulation, the suspension need only be applied using a brush to a small percentage of the available surface area of a building. As a general guide, apply the suspension at a rate of approximately 20 “spots” (of about 10 x 30 cm each) per 100 m² of ground surface, in areas where flies congregate, such as window sills, doors frames, warm wall areas and near animal pens, ensuring that the bait is kept out of reach of animals and away from surfaces frequented by humans and domestic pets. Stir occasionally during application. Do not use on walkways used by animals or on any surfaces that may be routinely contacted by workers or bystanders.

Where insufficient surface area is available for painting or where some slight white discoloration caused by the “paint” is unacceptable, paint strips of cardboard, wood or light boards and hang them from the ceiling in locations not accessible to children, pets, domestic animals or wildlife.

Spray-On for Adult Fly Control:

For applications employing a low-pressure spray applicator, thoroughly mix the Fly Bait with lukewarm water at the **ratio of 125 grams of AGITA 10WP per 1000 mL of water** to obtain a mixture of suitable consistency that will effectively coat surfaces while providing adequate drying times.

Again, the following table (Table II) provides a guideline for the product dilutions necessary to obtain an optimum suspension for spray applications.

TABLE II
AGITA® 10WG as a Spray-On

50 g	100 g	250 g	400 g	1 Kg
In 400 mL water	In 800 mL water	In 2000 mL water	In 3200 mL water	In 8000 mL water

Apply suspension using a standard course spray applicator to appropriate target locations of the wall/ceiling surface area. Again, because the effective attractive nature of the AGITA bait formulation, and unlike "traditional" agricultural fly wall sprays, the suspension need only be applied to a small percentage of the surface area of a building to provide effective fly control.

The amount of diluted product required to treat a particular building will vary depending upon the nature of surface to be treated. Apply spray to the point of run-off, while avoiding excessive run-off, to areas where flies congregate, such as window sills/frames, doors frames, warm wall areas and near animal pens, ensuring that the bait is kept out of reach of animals and away from surfaces frequented by humans and domestic pets. Stir occasionally during application. Do not use on walkways used by animals or on any surfaces that may be routinely contacted by workers or bystanders. Where insufficient surface area is available for bait application or where some slight discoloration caused by the spray is unacceptable, spray strips of cardboard, wood or light boards and hang them from the ceiling in locations not accessible to children, pets, domestic animals or wildlife.

AGITA 10WG may provide up to six weeks of residual activity, depending upon the size of the resident pest population, re-infestation or re-invasion from neighbouring farms, etc. Estimation of the amount of bait remaining can be determined by observation of the rate at which the slight discolouration of treated surfaces (slight whitish/beige "powder") disappears. Re-apply the product, as necessary, so as to reduce the possibility of a resident fly population being re-established.

The ultimate residual control afforded by AGITA 10WG will depend upon the size and source of the resident fly population, the re-invasion rates from neighbouring agricultural practices, and the on-farm maintenance, sanitation and hygiene procedures and schedules (e.g. routine removal of fly breeding sites/material, etc.). It is always recommended that AGITA Fly Bait products be used as part of a complete integrated pest management program designed to minimize pest populations and optimize the housing conditions for economic animals.

Directions for use against Litter Beetle in Broiler Houses (“Band Spray” Method):

AGITA 10 WG kills litter beetles (*Alphitobius diaperinus*) by direct contact. Using the preparation methods detailed above, AGITA 10 WG should be applied as a suspension in a single 1m wide band at the rate of 4 grams per square metre of surface area (i.e. “band spray method” - ~ 2 to 3 X the house fly control rate). Ensure that the product is mixed with sufficient water to allow a thorough wetting of this 1m wide band on all sides of the broiler house (~1 L per 15 m²).

The spray should be applied after cleaning of the facility and the placement of new litter, but just before the house is heated for the arrival of a new batch of chicks. The spray should be applied to the litter beetles’ primary migration routes towards the new litter. The area around any cracks or openings in the ceiling or walls should also be sprayed.

The rationale for this program is the fact that the beetles hide in the ceiling or walls between cycles and then crawl out just before the new chicks arrive. At this point, therefore, they will come into contact with the spray band.

PRECAUTIONS:

KEEP OUT OF REACH OF CHILDREN, PETS, DOMESTIC ANIMALS AND WILDLIFE. Avoid contact with skin, eyes and clothing. Avoid breathing spray mist. Wear coveralls over a long sleeved shirt and long pants, chemical-resistant gloves, shoes and socks when handling the product, clean-up and repair. Wear a NIOSH/MSHA-approved respirator when applying and a NIOSH/MSHA-approved dust-filtering mask during clean-up of the product that is not completely consumed. Wash exposed body parts and change clothing after handling, and before eating, drinking or smoking. Do not contaminate feed, water, food or litter through application or disposal of product. Do not apply bait where animals can lick the product. Prevent accidental transfer of the product, by people or animals, from treated areas to areas used by livestock.

FIRST AID:

IF SWALLOWED: Call a poison control centre or doctor immediately for treatment advice. Do not induce vomiting unless told to do so by a poison control centre or doctor. Do not give **any** liquid to the person. Do not give anything by mouth to an unconscious person. IF ON SKIN OR CLOTHING: Take off contaminated clothing. Rinse skin immediately with plenty of water for 15–20 minutes. Call a poison control centre or doctor for treatment advice. IF INHALED: Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth, if possible. Call a poison control centre or doctor for further treatment advice. IF IN EYES: Hold eye open and rinse slowly and gently with water for 15–20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call a poison control centre or doctor for treatment advice.

Take container, label or product name and Pest Control Product Registration Number with you when seeking medical attention.

TOXICOLOGICAL INFORMATION:

There is no specific antidote for this product if ingested. If a large amount has been ingested and emesis is inadequate, lavage stomach. Treat symptomatically.

ENVIRONMENTAL HAZARD:

Toxic to bees.

RESISTANCE MANAGEMENT:

For resistance management, thiamethoxam is a Group 4 insecticide. Any house fly population may contain individuals naturally resistant to thiamethoxam and Group 4 insecticides. To delay insecticide resistance, avoid exclusive, repeated use of AGITA Fly Bait or other Group 4 insecticides. Keep accurate records of insecticides used in your operation. Keep the house fly population as low as possible by manure management.

STORAGE:

Store product in original, tightly sealed container. Store in a cool, dry place. Do not contaminate water, food or feed by storage or disposal. Do not reuse empty container.

DISPOSAL:

1. Triple-or-pressure-rinse the empty container. Add the rinsings to the spray mixture in the tank.
2. Follow provincial instruction for any required additional cleaning of the container prior to its disposal.
3. Make the empty container unsuitable for further use.
4. Dispose of the container in accordance with provincial requirements.
5. For information on disposal of unused, unwanted product, contact the manufacturer or the provincial regulatory agency. Contact the manufacturer and the provincial regulatory agency in case of a spill, and for clean-up of spills.

NOTICE TO USER:

This pest control product is to be used only in accordance with the directions on the label. It is an offence under the *Pest Control Products Act* to use this product in a way that is inconsistent with the directions on the label. The user assumes the risk to persons or property that arises from any such use of this product.

NOTE (not part of label text): All text in Italics (other than scientific nomenclature) is approved “*optional text*”.

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