

Tobex™

Multi MoA Concentrate

Specimen Label

- Dual modes of action
- Contains NyGuard® IGR
- Controlled release technology
- Kills adult and larvae darkling beetles
- Kills listed flies and mosquitoes in and around livestock and poultry facilities.

ACTIVE INGREDIENTS:

Lambda-cyhalothrin.....	4.00%
Prallethrin	0.40%
Pyriproxyfen	1.30%
Piperonyl butoxide.....	6.00%
OTHER INGREDIENTS	88.30%
	<u>100.00%</u>

This product contains 0.336 lbs. Lambda-cyhalothrin, 0.0336 lbs. Prallethrin, 0.109 lbs. Pyriproxyfen and 0.503 lbs. PBO per gallon.



KEEP OUT OF REACH OF CHILDREN
CAUTION

See inside for first aid and precautionary statements.

DIRECTIONS FOR USE

It is a violation of Federal law to use this product in a manner inconsistent with its labeling.

Read and follow ALL label directions when using this product.

USE RESTRICTIONS

READ ALL DIRECTIONS COMPLETELY BEFORE USE AND FOLLOW ALL DIRECTIONS AND PRECAUTIONS WHEN USING PRODUCT.

- In New York State, this product may not be applied to turf within 100 ft. of a coastal marsh or streams that drain into a coastal marsh.
- In New York State, for outdoor broadcast and foliar applications, do not apply more than 1 fl. oz. of Tobex™ Multi MoA Concentrate per 1,000 sq. ft.
- Do not spray in or near fishponds or other bodies of water.
- Do not water the treated area to the point of runoff.
- Do not make applications while it is raining.
- Do not make outdoor broadcast applications when wind speed is 15mph or greater.
- Do not apply directly to sewers or drains, or any area like a gutter where drainage to sewers, storm drains, water bodies, or aquatic habitat can occur, except as directed by this label.
- Not for wide area mosquito abatement using aerial application or truck-mounted cold aerosol ULV sprayers and thermal fogging devices.
- Not for use on plants being grown for sale or other commercial use. Not for use in nurseries, sod farms or golf courses.
- Do not apply directly to impervious horizontal surfaces such as sidewalks, driveways, and patios except as a spot or crack and crevice treatment. During application, do not allow pesticide to enter or run off into storm drains, drainage ditches, gutters or surface waters.
- All outdoor applications, if permitted elsewhere on this label, must be limited to spot or crack and crevice treatments only, except for the following permitted uses:
 1. Applications to soil or vegetation around structures;
 2. Applications to lawns, turf, and other vegetation;
 3. Applications to building foundations, up to a maximum height of 3 feet above grade;
 4. Applications to underside of eaves, soffits, doors, or windows permanently protected from rainfall by a covering, overhang, awning, or other structure;

5. Applications around potential pest entry points into buildings, when limited to a surface band not to exceed 1 inch in width;

6. Applications made through the use of a coarse, low pressure spray to only those portions of surfaces that are directly above bare soil, lawn, turf, mulch or other vegetation, as listed on this label, and not over an impervious surface, drainage or other condition that could result in runoff into storm drains, drainage ditches, gutters, or surface waters, in order to control occasional invaders or aggregating pests as listed on this label.

- Do not apply in electrical conduits, junction and switch boxes, motor housings or other electrical equipment due to shock hazard from water-based spray.
- Do not mix this product with oil.
- Do not apply this product in any room being used as living, eating, sleeping, or recovery area by patients, the elderly, or infirm when they are in the room. Restrict access until all surfaces are dry.
- Do not apply to classrooms when occupied.
- Do not apply to institutions (including libraries, sports facilities, etc.) in the immediate area when occupants are present.
- Keep all people and pets out of areas (indoors and outdoors) being treated and restrict access to these areas until all surfaces are dry. Cover fish aquariums and pets' food and water dishes before spraying.

Do not allow spray to contact food or food-containing surfaces, feed or water supplies. Thoroughly wash dishes and food handling utensils with soap and water if they become contaminated with this product.

Use only in areas described. For best results, follow directions for specific use areas.

PESTS CONTROLLED

Ants (excluding pharaoh, carpenter, harvester and fire), beetles, crickets, daddy-longlegs, darkling beetles, drain flies, fruit flies, house flies, phorid flies, firebrats, litter beetles, mosquitoes, pillbugs, poultry lice, spiders (excluding black widow and brown recluse), whiteflies.

USE AREAS

For control of listed insects, indoors and outdoors, in food and non-food areas: Also for use in and around kennels, livestock and poultry housing, deer pens and enclosures, horse stables, feed lots, mink production facilities, zoos, wild animal parks, food processing plants, transportation equipment, truck trailers, railroad cars and food manufacturing and warehousing establishments.

This product should not stain or cause damage to painted or varnished surfaces, plastics, fabrics, or other surfaces where water applied alone causes no damage. Treat a small area and allow it to dry to determine whether staining will occur.

APPLICATION METHODS

Broadcast spray treatment

Foliar spray treatment

Spot, crack and crevice treatment

Structural perimeter treatment

Surface spray treatment

APPLICATION EQUIPMENT

Includes, but is not limited to:

Backpack mist blowers

Backpack sprayers

Handheld sprayers

Mist sprayers

Power sprayers

MIXING INSTRUCTIONS

Tobex Multi MoA Concentrate should be diluted with water only and applied with hand-pressurized or power-operated equipment. Clean equipment before and after use. Agitate the container of Tobex Multi MoA Concentrate before diluting by inverting it several times. For dilution, add approximately half the required water to the tank and then add the appropriate amount of Tobex Multi MoA Concentrate. Agitate and slowly add the remaining water. Agitate the mixture thoroughly before using and occasionally during use to ensure dispersion. Avoid excessive application.

Active Ingredient	Final % Concentration of Active Ingredient		
	1.0 fl. oz. per gallon	1.5 fl. oz. per gallon	2.0 fl. oz. per gallon
Lambda-cyhalothrin	0.031%	0.046%	0.062%
Prallethrin	0.003%	0.005%	0.006%
Pyriproxyfen	0.010%	0.015%	0.020%
Piperonyl butoxide	0.047%	0.070%	0.092%
Total % Concentrate of all Active Ingredients	0.091%	0.136%	0.180%

Tank Mixing:

Tobex Multi MoA Concentrate can be tank mixed with other currently registered products unless expressly prohibited by the product label. To ensure compatibility, conduct a small volume mixing test with the other products. Do not tank mix Tobex Multi MoA Concentrate with products containing dichlorvos (DDVP).

It is the pesticide user's responsibility to ensure that all products in the listed mixtures are registered for the intended use. Users must follow the most restrictive directions and precautionary language of the products in the mixture (for example, first aid from one product, spray drift management from another.)

Foam Applications:

Tobex Multi MoA Concentrate may be converted to foam, which can be used to treat structural voids to control or prevent listed pests harboring in walls, under slabs, or in other void areas.

OUTDOOR USE

Application Site	Pest	Dilution Rate In Water	Application Method(s)
Mosquito Habitats ¹	Mosquitoes	1.0 fl. oz. to 2.0 fl. oz. per gallon or 1.0 fl. oz. to 2.0 fl. oz. in sufficient water to cover 1,000 sq. ft. In New York State, for outdoor broadcast and foliar applications, do not apply more than 1 fl. oz. of concentrate per 1,000 sq. ft.	Broadcast spray treatment Foliar spray treatment Spot treatment
Lawns and Turf	Ants (excluding pharaoh, carpenter, harvester and fire), beetles, drain flies, fruit flies, and phorid flies	1.0 fl. oz. to 2.0 fl. oz. per gallon or 1.0 fl. oz. to 2.0 fl. oz. in sufficient water to cover 1,000 sq. ft. In New York State, for outdoor broadcast and foliar applications, do not apply more than 1 fl. oz. of concentrate per 1,000 sq. ft.	Broadcast spray treatment In New York State, this product may not be applied to turf within 100 ft. of a coastal marsh or streams that drain into a coastal marsh.
Exterior Walls, Foundations and Structures	Ants (excluding pharaoh, carpenter, harvester and fire), Crickets, Daddy-longlegs, drain flies, fruit flies, house flies, phorid flies, and Spiders (excluding black widow and brown recluse)	1.0 fl. oz. to 2.0 fl. oz. per gallon or 1.0 fl. oz. to 2.0 fl. oz. in sufficient water to cover 1,000 sq. ft.	Crack and crevice treatment Spot treatment Structural perimeter treatment Surface spray treatment

¹Do not spray in or near fishponds or other bodies of water.

SPECIFIC USE DIRECTIONS

Mosquitoes:

Apply as a spray where mosquitoes may rest, harbor, or breed, contacting as many mosquitoes as possible. This includes, but is not limited to, tall grass, foliage, landscape plantings and building foundations. The ideal target area is the bottom 20 feet of trees. Pay particular attention to the underside of plant leaves and resting sites.

Apply using a backpack mist blower or other mechanical or pressurized equipment including, but not limited to, backpack sprayers and power sprayers. Do not make outdoor broadcast applications when wind speed is 15mph or greater.

Recommended to use 1 fl. oz. per gallon or 1 fl. oz. in sufficient water to cover 1,000 sq. ft. for standard light infestation or low pest pressure and 2 fl. oz. per gallon or 2 fl. oz. in sufficient water to cover 1,000 sq. ft. for heavy infestation or high pest pressure.

In New York State, for outdoor broadcast and foliar applications, do not apply more than 1 fl. oz. of Tobex Multi MoA Concentrate per 1,000 sq. ft.

Listed Flies:

To control house flies and phorid flies, treat protected areas outdoors. Treat garbage cans, cracks and crevices containing organic matter, recycling bins and other sources that hold or contain organic matter.

To control fruit flies, treat surfaces around garbage cans and recycling bins.

Examples of Dilutions for Structural Perimeter Barrier Applications

Application Volume: Gallons of Solution Per 1,000 sq. ft.	Application Rate: Fluid ounces of Tobex Multi MoA Concentrate Per 1,000 sq. ft.	Fluid Ounces of Tobex Multi MoA Concentrate to Dilute in Water According to Spray Tank Volumes		
		5 gallons	10 gallons	50 gallons
1 gallon	1.0 fl. oz. 1.5 fl. oz. 2.0 fl. oz.	5.0 fl. oz. 7.5 fl. oz. 10.0 fl. oz.	10.0 fl. oz. 15.0 fl. oz. 20.0 fl. oz.	50.0 fl. oz. 75.0 fl. oz. 100.0 fl. oz.
2 gallon	1.0 fl. oz. 1.5 fl. oz. 2.0 fl. oz.	2.5 fl. oz. 3.75 fl. oz. 5.0 fl. oz.	5.0 fl. oz. 7.5 fl. oz. 10.0 fl. oz.	25.0 fl. oz. 37.5 fl. oz. 50.0 fl. oz.
5 gallon	1.0 fl. oz. 1.5 fl. oz. 2.0 fl. oz.	1.0 fl. oz. 1.5 fl. oz. 2.0 fl. oz.	2.0 fl. oz. 3.0 fl. oz. 4.0 fl. oz.	10.0 fl. oz. 15.0 fl. oz. 20.0 fl. oz.

Examples of Dilutions for Spray Rigs

Fluid ounces of Tobex Multi MoA Concentrate to Dilute in Water	Gallons of Water	Square Feet of Coverage
2 fl. oz.	5 gal.	2,000 sq. ft.
4 fl. oz.	10 gal.	4,000 sq. ft.
8 fl. oz.	25 gal.	8,000 sq. ft.
16 fl. oz.	50 gal.	16,000 sq. ft.
32 fl. oz.	100 gal.	32,000 sq. ft.

INDOOR USE

Application Site	Pest	Dilution Rate In Water	Application Method(s)
Non-Food Handling	Ants (excluding pharaoh, carpenter, harvester and fire). Beetles, Drain flies, fruit flies, house flies, phorid flies and Spiders (excluding black widow and brown recluse)	1.0 fl. oz. to 2.0 fl. oz. per gallon or 1.0 fl. oz. to 2.0 fl. oz. in sufficient water to cover 1,000 sq. ft.	Spot, crack and crevice treatment Surface spray treatment
¹ Do not apply when food-processing facility is in operation or foods are exposed. Do not apply this spray to surfaces or utensils that may come into contact with food.			

USE IN AND AROUND LIVESTOCK AND POULTRY HOUSING

For use in and around unoccupied areas of livestock facilities, such as: Barns, Cow and Calf Pens & Hutches, Dairy Barns & Milk Rooms, Hog Barns, Horse Barns, Sheep Barns, Poultry Houses, and Rabbit Hutches. Do not contaminate milk, food, or drinking water. Remove animals from area being treated. Cover feeders and waterers. Do not apply or allow insecticide to drift onto animals. Do not allow animals to enter treated areas until spray solution has dried.

Pests	Dilution Rate in Water	Application Methods
Listed Crawling Insects (including Darkling Beetles)	2.0 fl. oz. to 4.0 fl. oz. per gallon (or sufficient water to cover 1,000 sq. ft.)	General surface spray Crack and crevice treatments Spot or banded treatment Injected into wall voids
Listed Flying Insects	1.0 fl. oz. to 2.0 fl. oz. per gallon (or sufficient water to treat 1,000 sq. ft.)	General surface treatment Spot treatment

Specific Use Directions

Listed Flying Insect Pests in and Around Livestock and Poultry Premises:

For residual control of listed flying insects, treat insect resting areas such as walls, ceilings, screens, around windows, doors, gates, cages, light fixtures, under slats, known insect breeding/egg deposit areas and other surfaces that attract flying insects. Initiate treatments at the beginning of fly season and repeat treatments during periods of heavy infestation. Treatments can be made both indoors and outdoors but animals cannot be present at the time of application.

Listed Crawling Insect Pests in and Around Livestock and Poultry Premises:

Apply as a general surface, spot treatment, and/or crack and crevice treatment. Apply to floors, vertical and overhead surfaces where crawling insects are or may be present. Treat stanchions, pipes, windows, doors, posts, cage framing, gates, under (but not in) feeders and waterers, and other areas where insects hide or congregate. To reduce immigration of insects, make a perimeter treatment around the outside of building foundations. Apply in a uniform band 1 to 3 feet up the exterior foundation wall and 3 to 6 feet out from the foundation. May also be injected into wall voids.

Litter Beetle Control in Poultry Premises:

Tobex Multi MoA Concentrate controls darkling beetles (also known as lesser mealworms) in poultry housing. This product can be used as a crack and crevice, broadcast, or banded/spot treatment to areas where beetle infestations frequently occur, such as walls, floors, stalls, around feeders, and support posts of poultry barns. To reduce immigration of insects, make a perimeter treatment around the outside of building foundations. Apply in a uniform band 1 to 3 feet up the exterior foundation wall and 3 to 6 feet out from the foundation.

Do not apply when birds are present and do not expose poultry to direct spray.

Exposed water lines and feed troughs must be covered or raised/removed from the area before treatment begins. Once completed, allow treated surfaces to dry completely before restocking. Do not apply as a fog or space-spray.

Apply after de-caking, clean out and sanitation procedures are complete but prior to new flock placement. It may be advisable to treat houses before removing litter to prevent possible infestation of nearby residences.

Application Methods for Darkling Beetle Control Band Application:

Darkling beetles often crowd under feeders, water lines or along perimeter walls, lying buried in the litter. Under these circumstances, it may be sufficient to treat the primary areas of beetle infestation within a poultry house. Beetles can also infest structures behind insulation in walls; Tobex Multi MoA Concentrate can be applied as a spot treatment inside wall voids or as a crack and crevice application to target these infestations.

For band application, apply diluted product to a 3-5 foot wide swath of floor area, making sure to get under all the water and/or feed lines in the house. Continue applying a 3-5 foot swath along the inside perimeter of all the side and end walls including the entire surface of all footings and 1 to 3 feet up onto the walls support beams and wood surfaces above the foundation.

Interior Whole House Application:

Whenever an infestation is severe, it may be necessary to treat the entire house by applying the diluted product as a broadcast spray. Apply Tobex Multi MoA Concentrate on the entire floor, paying particular attention to areas beneath feed and water lines, as well as to the lower sections of walls up to 1 to 3 foot on wood surfaces above the foundation. It may be necessary to apply fresh bedding prior to restocking.

For Best Results:

In houses with support beams, treat around the base of each support post and 1 to 3 foot up each post. Apply diluted spray to cracks and crevices around insulation where beetles have been seen or can find harborage. To prevent movement of beetle infestations to houses and nearby residences, it may also be desirable to treat manure before it is relocated from the poultry house.

Use Tobex Multi MoA Concentrate as part of an integrated pest management program to extend the efficacy of insect control products and to help minimize the build-up and carry-over of resistant insect populations. Darkling beetles have the ability to develop resistance to insecticides. When one class of chemistry is used flock after flock, the likelihood that insects will develop resistance and become more difficult to control, greatly increases. This product contains pyrethroids, which should be used in a rotational program with other classes of insecticides including neonicotinoids (Darlex[®] Insecticide), Insect Growth Regulators, organophosphates or spinosyns to minimize or prevent the development of resistance and to maintain its effectiveness in controlling darkling beetles and other listed insects.

PRECAUTIONARY STATEMENTS HAZARDS TO HUMANS AND DOMESTIC ANIMALS

CAUTION

Harmful if swallowed. Causes moderate eye irritation. Avoid contact with skin, eyes, or clothing. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco or using the toilet. Wear protective safety glasses and the following additional PPE:

PERSONAL PROTECTIVE EQUIPMENT (PPE)

Mixers, loaders, applicators, and other handlers must wear the following:

- Long-sleeved shirt,
- Long pants,
- Chemical-resistant gloves made of barrier laminate, nitrile rubber, neoprene rubber, or Viton, and
- Shoes and socks.

In addition to the above PPE, applicators using a high pressure hand wand in an enclosed area must wear at least a NIOSH-approved respirator with:

- A particulate filter with any N, R or P filter with NIOSH approval prefix TC-84A, or a NIOSH-approved powered air purifying respirator with HE filter with NIOSH approval number TC-21C.

In addition to the above PPE, applicators using handheld foggers in an enclosed area must wear a half-face, full-face, or hood-style NIOSH-approved respirator with:

- A NIOSH-approved respirator with an organic vapor cartridge with a combination N, R or P filter with NIOSH approval prefix TC-84A, or
- A NIOSH-approved gas mask with a canister with NIOSH approval number prefix TC-14G, or
- A powered air purifying respirator with organic vapor cartridge and combination HE filter with NIOSH approval number prefix TC-23C.

USER SAFETY REQUIREMENTS

Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables exist, use detergent and hot water. Keep and wash PPE separately from other laundry.

Discard clothing and other absorbent material that have been drenched or heavily contaminated with the product's concentrate. Do not reuse them.

USER SAFETY RECOMMENDATIONS

Users should wash hands before eating, drinking, chewing gum, using tobacco, or using the toilet.

Users should remove clothing/PPE immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.

Users should remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

ENVIRONMENTAL HAZARDS

This product is toxic to aquatic organisms, including fish and invertebrates. Drift and runoff may be hazardous to aquatic organisms in water adjacent to treated areas. This product may contaminate water through runoff. This product has a potential for runoff for several months or more after application. Poorly draining soils and soils with shallow water tables are more prone to produce runoff that contains this product.

This product is highly toxic to bees exposed to direct treatment on blooming crops or weeds. Do not apply this product or allow it to drift to blooming crops or weeds while bees are actively foraging in the treatment area.

Do not apply directly to water, to areas where surface water is present or to intertidal areas below the mean high water mark. Do not contaminate water when disposing of equipment washwaters or rinsate.

Do not discharge effluent containing this product into lakes, streams, ponds, estuaries, oceans, or other waters unless in accordance with the requirements of a National Pollution Discharge Elimination System (NPDES) permit and the permitting authority has been notified in writing prior to discharge. Do not discharge effluent containing this product into sewer systems without previously notifying the local sewage treatment plant authority. For guidance contact your State Water Board or Regional Office of the EPA.

PHYSICAL OR CHEMICAL HAZARDS

Do not apply this product around electrical equipment due to the possibility of shock hazard.

FIRST AID

IF SWALLOWED:

- Call a poison control center or doctor immediately for treatment advice.
- Have person sip a glass of water if able to swallow.
- Do not induce vomiting unless told to by a poison control center or doctor.
- Do not give anything to an unconscious person.

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.
- Call a poison control center or doctor for treatment advice.

Have the product container or label with you when calling a poison control center or doctor, or going for treatment. For information regarding medical emergencies or pesticide incidents, call 1-888-740-8712.

STORAGE AND DISPOSAL

Do not contaminate water, food, or feed by storage or disposal.

PESTICIDE STORAGE: Keep this product in a tightly closed container, when not in use. Store in a cool, dry (preferably locked) area. Post as a pesticide storage area. Always store pesticides in the original container. Store away from food, feed, seed, fertilizers, and veterinary supplies. Place formulations on lower shelves and dry formulations above.

PESTICIDE DISPOSAL: Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility.

CONTAINER HANDLING: Non-refillable container. Do not reuse or refill this container.

Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank and drain for 10 seconds after the flow begins to drip. Fill the container ¼ full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times. Offer for recycling if available for reconditioning if appropriate, or puncture and dispose of in a sanitary landfill, or by other procedures approved by state and local authorities.

TobexTM
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