



INHIBIDOR[™] INSECTICIDAL POUR-ON

DIFLUBENZURON LAMBDA-CYHALOTHRIN	GROUP	15 3A	INSECTICIDE
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SPECIMEN LABEL

- Ready-to-use as a pour-on
- Combination of an insect growth regulator, adulticide and synergist
- Kills chewing and sucking lice, horn flies, stable flies, horse and deer flies on beef cattle and calves
- Prevents the emergency of horn flies in the manure of treated cattle
- Kills ticks by direct spray dilution application
- Kills louse eggs before they hatch

ACTIVE INGREDIENTS:

Diflubenzuron	3.0%
Piperonyl Butoxide*	2.5%
Lambda-cyhalothrin	0.5%

OTHER INGREDIENTS**:	94.0%
TOTAL:	100.0%

*(butylcarbityl)(6-propylpiperonyl) ether and related compounds

**Contains petroleum distillates

This product contains 0.222 lb diflubenzuron, 0.185 lb piperonyl butoxide and 0.037 lb lambda-cyhalothrin per gallon of formulated product.

KEEP OUT OF REACH OF CHILDREN

See Additional Precautionary Statements
and First Aid

EPA Reg.No. 89459-127

EPA Est. No. 2724-TX-1

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

Contains petroleum distillate. Harmful if swallowed. Wash hands before eating, drinking, chewing gum, using tobacco, or using the toilet.

FIRST AID

IF SWALLOWED: • Immediately call a poison control center or doctor for treatment advice. • Do not induce vomiting unless told to do so by a poison control center or doctor. • Do not give **any** liquid to the person. • Do not give anything by mouth to an unconscious person.

HOT LINE NUMBER: Have the product container or label with you when calling a poison control center or doctor, or going for treatment. For additional information on this pesticide product (including health concerns, medical emergencies or pesticide incidents), you may call Central Garden & Pet Company at 1-800-347-8272, 24 hours a day, 7 days per week.

NOTE TO PHYSICIAN: Contains petroleum distillate – vomiting may cause aspiration pneumonia.

PERSONAL PROTECTIVE EQUIPMENT (PPE)

Applicators and other handlers must wear the following:

- Long-sleeved shirt and long pants;
- Chemical-resistant gloves made of barrier laminate, nitrile rubber ≥ 14 mils, neoprene rubber ≥ 14 mils, or Viton ≥ 14 mils when mixing/loading or when using handheld equipment;
- Shoes and socks and;
- Chemical-resistant apron for persons cleaning equipment and for handlers performing animal dip applications

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 materials that have been drenched or heavily contaminated with this product's concentrate. Do not reuse them.

USER SAFETY RECOMMENDATIONS

USERS SHOULD: • Remove clothing/PPE immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing. • 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 extremely toxic to aquatic organisms, including fish and invertebrates. To protect the environment, do not allow pesticide to enter or run off into storm drains, drainage ditches, gutters or surface waters. Do not contaminate water when disposing of equipment washwaters or rinsate. Applying this product in calm weather when rain is not predicted for the next 24 hours will help to ensure that wind or rain does not blow or wash pesticide off the treatment area. See Directions for Use for additional precautions and requirements.

Pollinator Advisory: This product is highly toxic to bees and other pollinating insects exposed to direct treatment or to residues in/on blooming crops or weeds. Do not allow this product to drift to blooming crops or weeds while bees are actively foraging the treatment area.

DIRECTIONS FOR USE

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

USE RESTRICTIONS

- Apply this product only as specified on this label.
- Only for use on beef cattle and calves.
- Not for use on veal calves or dairy cattle.
- For pour on and spray applications, do not apply via either application method more than once to any one animal every two weeks.
- Do not apply more than 4 applications (pour on and/or spray) in any 6-month interval to beef cattle and calves.
- Keep away from eyes and mucous membranes of the animal being treated.
- Do not contaminate food or feedstuffs.
- Do not apply when food or feed is present.
- Remove or cover food processing equipment and food preparation surfaces or wash them before use.
- Do not make applications during rain. Avoid making applications when rainfall is expected before the product has sufficient time to dry (minimum 4 hours). Rainfall within 24 hours after application may cause unintended runoff of pesticide application.
- Do not make applications with a sponge.
- Do not apply by high pressure hand wand, handheld foggers, or fog/mist generators.
- Not for broadcast application.
- Do not use this product directly on domestic (companion) animals (dogs, cats, puppies, or kittens).
- This product is not for use in outdoor residential misting systems (indoor or outdoor) or in metered release misting systems.
- Not for use in commercial animal premise automatic misting systems.
- Removable chemical extraction probes (also known as "stingers") used in suction/extraction systems must be rinsed within the pesticide container prior to removal.
- Do not apply this product to face of beef cattle or calves.
- Do not apply this product in a way that will contact workers or other persons, either directly or through drift. Only protected handlers may be in the area during application.

- Do not apply the product into fish pools, ponds, streams or lakes. Do not apply directly to sewers or drains, or to any area like a gutter where drainage to sewers, storm drains, water bodies, or aquatic habitat can occur. Do not allow the product to enter any drain during or after application.
- Do not apply or irrigate to the point of runoff.
- Do not allow to enter indoor or outdoor drains. (No permita la entrada a desagües internos o externos.)
- Do not apply within 25 feet of aquatic habitats (such as, but not limited to, lakes, reservoirs, rivers, streams, marshes, ponds, estuaries, and commercial fish ponds).
- Do not apply or irrigate to the point of runoff.
- Do not allow to enter indoor or outdoor drains. (No permita la entrada a desagües internos o externos.)
- Do not apply within 25 feet of aquatic habitats (such as, but not limited to, lakes, reservoirs, rivers, streams, marshes, ponds, estuaries, and commercial fish ponds).
- For any requirements specific to your State or Tribe, consult the agency responsible for pesticide regulation.

RESISTANCE-MANAGEMENT RECOMMENDATIONS

For resistance-management, please note that Starbar® Inhibidor™ Insecticidal Pour-On (Inhibidor™) contains both a Group 15/ diflubenzuron and Group 3A/lambda-cyhalothrin insecticide. Any insect population may contain individuals naturally resistant to Inhibidor™ and other Group 15 or Group 3A insecticides. The resistant individuals may dominate the insect population if these insecticides are used repeatedly on the same animals. Appropriate resistance-management strategies should be followed.

To delay insecticide/acaricide resistance, take the following steps:

- Rotate the use of Inhibidor™ and other Group 15 or Group 3A insecticides, with different groups that control the same pests.
- Use tank mixtures with insecticides from a different group that are equally effective on the target pest when such use is permitted. Do not rely on the same mixture repeatedly for the same pest population. Consider any known cross-resistance issues (for the targeted pests) between the individual components of the mixture. In addition, consider the following recommendations provided by the Insecticide Resistance Action Committee (IRAC):
 - o Individual insecticides selected for use in mixtures should be highly effective and be applied at the rates at which they are individually registered for use against the target species.
 - o Mixtures with components having the same IRAC mode of action classification are not recommended for insect resistance-management.
 - o When using mixtures, consider any known cross-resistance issues between the individual components for the targeted pest(s).
 - o Mixtures become less effective if resistance is already developing to one or both active ingredients, but they may still provide pest management benefits.
 - o The insecticide/acaricide resistance-management benefits of a mixture are greatest if the two components have similar periods of residual insecticidal activity. Mixtures of insecticides with unequal periods of residual insecticide activity may offer an insect resistance-management benefit only for the period where both insecticides are active.

- Adopt an integrated pest management program for insecticide use that includes scouting, uses historical information related to pesticide use, record keeping, and which considers cultural, biological and other chemical control practices.
- Monitor after application for unexpected target pest survival. If the level of survival suggests the presence of resistance, consult with your local university specialist or certified pest control advisor.
- Contact your local extension specialist for any additional pesticide resistance-management and/or IPM recommendations for the specific site and pest problems in your area.
- For further information or to report suspected resistance, contact Central Garden & Pet Company at 1-800-347-8272 or at www.starbarproducts.com.

SHAKE WELL BEFORE USE.

For pour-on applications, do not apply more than once to any one animal every two weeks. In addition, do not apply more than four applications in any 6-month interval. Only beef cattle and calves may be treated with Inhibidor™. May be used only for pour-on application to beef cattle and calves, indoors or outdoors.

POUR-ON APPLICATION INSTRUCTIONS – READY TO USE – No dilution necessary.

Apply To:	Target Pests	Application instructions
Beef Cattle and Calves	Chewing and Sucking Lice, Horn Flies, Stable Flies, Horse Flies, Deer Flies	For pour-on applications, do not apply more than once to any one animal every two weeks. In addition, do not apply more than four applications in any 6-month interval. Only beef cattle and calves may be treated with Inhibidor™. Apply 0.1 fl oz (3 ml) of Inhibidor™ per 100 lb body weight of cattle. This is equivalent to 1 fl oz (30 ml) (0.0017 lb diflubenzuron, 0.0014 lb piperonyl butoxide and 0.0003 lb lambda-cyhalothrin) per 1,000 lb animal. Pour correct dose along back directly from tip and measure container, graduated applicator gun or ladle/dipper. Keep away from eyes and mucous membranes of the animal being treated. Inhibidor™ is not recommended for use on veal calves.

SPRAY DILUTION APPLICATION INSTRUCTIONS – Dilution required.

Apply To:	Target Pests	Application instructions
Beef Cattle and Calves	Chewing and Sucking Lice, Horn Flies, Stable Flies, Horse Flies, Deer Flies, Ticks	For spray dilution applications, do not apply more than once to any one animal every two weeks. In addition, do not apply more than four applications in any 6-month interval. Only beef cattle and calves may be treated with Inhibidor™. Dilute 4 fl oz (118.3 mL) (0.0069 lb of diflubenzuron, 0.0058 lb of piperonyl butoxide and 0.0012 lb of lambda-cyhalothrin) of Inhibidor™ per gallon of water. Spray until wet, ensuring thorough coverage across entire body, targeting 1 quart of diluted spray per 1,000 lb animal. Ticks must be sprayed directly to be killed. Keep away from eyes and mucous membranes of the animal being treated. Inhibidor™ is not recommended for use on veal calves.

SPRAY DRIFT ADVISORIES

Handheld Technology Applications: Take precautions to minimize spray drift.

Special Note: This product is not effective in controlling cattle grubs, and can be used any time of year without risk of host-parasite reactions associated with grub treatment products.

Use this product in an integrated pest management system which may involve repeat treatments and the use of other pest control practices.

STORAGE AND DISPOSAL

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

PESTICIDE STORAGE: Store in original sealed container. Store in a cool, dry, well-ventilated (preferably locked) area that is inaccessible to children, animals, fertilizer, feed and foodstuffs.

PESTICIDE DISPOSAL: Wastes resulting from the use of this product must be disposed of on site or at an approved waste disposal facility. Do not pour or dispose down-the-drain or sewer. Call your local solid waste agency for local disposal options.

CONTAINER HANDLING: Nonrefillable container. Do not reuse or refill this container. Triple rinse container (or equivalent) promptly after emptying. 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 or reconditioning if appropriate, or puncture and dispose of in a sanitary landfill, or by other procedures approved by state and local authorities.

For information or in an emergency, call 1-800-347-8272 or visit our website: www.starbarproducts.com