

Treats **64** cattle  
(1,000 lbs. per animal)

DIFLUBENZURON	GROUP	15	INSECTICIDE
LAMBDA-CYHALOTHRIN	GROUP	3A	INSECTICIDE

PROZAP  
**PROTECTUS**  
POUR-ON INSECTICIDE - IGR

- Kills chewing and sucking lice, horn flies, stable flies, horse and deer flies on beef cattle and calves
- Kills ticks by spray dilution application
- Kills Louse Eggs Before They Hatch
- Season Long Control of Lice
- For Use On: Beef Cattle and Calves

**ACTIVE INGREDIENTS:**

Diflubenzuron .....	3.0%
Piperonyl Butoxide .....	2.5%
Lambda-cyhalothrin .....	0.5%
<b>OTHER INGREDIENTS**:</b>	<b>94.0%</b>
<b>TOTAL</b>	<b>100.0%</b>

\*(butylcarbitol)(6-propylpiperonyl) ether and related compounds EPA Reg. No. 89459-127-47000  
EPA Est. No. 47000-IA-01

\*\*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.

**SHAKE WELL BEFORE USE.**

**KEEP OUT OF REACH  
OF CHILDREN**

See inside label booklet for additional  
Precautionary Statements and First Aid



**BEEF CATTLE**

**Net Contents:**  
.5 gal. (1.892 L)

L7647-0424

## PROZAP® PROTECTUS POUR-ON INSECTICIDE - IGR

### 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 1-800-498-5743 24 hours a day, 7 days per week.

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

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## 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.

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## 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. Protect pollinating insects by following label directions intended to minimize drift and reduce pesticide risk to these organisms.

### DIRECTIONS FOR USE

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

### USE RESTRICTIONS:

- For both indoor and outdoor use.
- 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.

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- 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.
- For any requirements specific to your State or Tribe, consult the agency responsible for pesticide regulation.

### RESISTANCE-MANAGEMENT RECOMMENDATIONS

For resistance-mangement, please note that PROZAP PROTECTUS POUR-ON INSECTICIDE - IGR contains both a Group 15/diflubenzuron and Group 3A/lambda-cyhalothrin insecticide. Any insect population may contain individuals naturally resistant to PROZAP PROTECTUS POUR-ON INSECTICIDE - IGR

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and other Group 15 or Group 3A insecticides. The resistant individuals may dominate the insect population if these insecticides are used repeatedly in the same fields. Appropriate resistance-management strategies should be followed.

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

- Rotate the use of PROZAP PROTECTUS POUR-ON INSECTICIDE - IGR and other Group 15 or Group 3A insecticides within a growing season, or among growing seasons, 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):
  - 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.
  - Mixtures with components having the same IRAC mode of action classification are not recommended for insect resistance management.
  - When using mixtures, consider any known cross-resistance issues between the individual components for the targeted pest(s).
  - Mixtures become less effective if resistance is already developing to one or both active ingredients, but they may still provide pest management benefits.
  - 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, crop rotation, record keeping, and which considers cultural, biological and other chemical control practices.

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- 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 your local Neogen Corporation representative at 1-800-477-8201.

**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 PROZAP PROTECTUS POUR-ON INSECTICIDE - IGR. 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 PROZAP PROTECTUS POUR-ON INSECTICIDE - IGR. Apply 0.1 fl. oz. (3 ml) of PROZAP PROTECTUS POUR-ON INSECTICIDE - IGR per 100 lbs. body wt. 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. PROZAP PROTECTUS POUR-ON INSECTICIDE - IGR is not recommended for use on veal calves.

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**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 PROZAP PROTECTUS POUR-ON INSECTICIDE - IGR. 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 PROZAP PROTECTUS POUR-ON INSECTICIDE - IGR 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. PROZAP PROTECTUS POUR-ON INSECTICIDE - IGR is not recommended for use on veal calves.

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.

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**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. **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.

**CONDITIONS OF SALE AND LIMITATION OF WARRANTY AND LIABILITY**  
**NOTICE:** Read the entire Directions for Use and Conditions of Sale and Limitation of Warranty and Liability before buying or using this product. If the terms are not acceptable, return the product at once, unopened, and the purchase price will be refunded. The Directions for Use of this product must be followed carefully. It is impossible to eliminate all risks inherently associated with the use of this product. Ineffectiveness or other unintended consequences may result because of such factors as manner of use or application, weather, presence of other materials or other influencing factors in the use of the product, which are beyond the control of Neogen or Seller. To the extent consistent with applicable law, all such risks shall be assumed by Buyer and User, and Buyer and User agree to hold Neogen and Seller harmless for any claims relating to such factors.

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Neogen warrants that this product conforms to the chemical description on the label and is reasonably fit for the purposes stated in the Directions for Use, subject to the inherent risks referred to above, when used in accordance with directions under normal use conditions. This warranty does not extend to the use of this product contrary to label instructions, or under abnormal conditions or under conditions not reasonably foreseeable to or beyond the control of Seller or Neogen, and Buyer and User assume the risk of any such use. To the extent consistent with applicable law, NEOGEN MAKES NO WARRANTIES OF MERCHANTABILITY OR OF FITNESS FOR A PARTICULAR PURPOSE NOR ANY OTHER EXPRESS OR IMPLIED WARRANTY EXCEPT AS STATED ABOVE.

In no event shall Neogen or Seller be liable for any incidental, consequential or special damages resulting from the use or handling of this product. To the extent consistent with applicable law, THE EXCLUSIVE REMEDY OF THE USER OR BUYER, AND THE EXCLUSIVE LIABILITY OF NEOGEN AND SELLER FOR ANY AND ALL CLAIMS, LOSSES, INJURIES OR DAMAGES (INCLUDING CLAIMS BASED ON BREACH OF WARRANTY, CONTRACT, NEGLIGENCE, TORT, STRICT LIABILITY OR OTHERWISE) RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT, SHALL BE THE RETURN OF THE PURCHASE PRICE OF THE PRODUCT OR, AT THE ELECTION OF NEOGEN OR SELLER, THE REPLACEMENT OF THE PRODUCT.

Neogen and Seller offer this product, and Buyer and User accept it, subject to the foregoing Conditions of Sale and Limitation of Warranty and Liability, which may not be modified except by written agreement signed by a duly authorized representative of Neogen.

For non-emergency (e.g., current product information),  
 Call: 1-800-621-8829

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**Distributed by:**  
 Chem-Tech, Ltd.<sup>TM</sup>  
 1006 Business Highway 5  
 Pleasantville, IA 50225 USA

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Item No.1898010



**FRONT OF LEAFLET\_VISIBLE**

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### PROZAP<sup>®</sup> PROTECTUS POUR-ON INSECTICIDE - IGR

#### ACTIVE INGREDIENTS:

Diflubenzuron .....	3.0%
Piperonyl Butoxide* .....	2.8%
Lambda-cyhalothrin .....	0.5%
<b>OTHER INGREDIENTS**:</b> .....	<b>94.0%</b>
<b>TOTAL</b> .....	<b>100.0%</b>

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SHAKE WELL BEFORE USE.

EPA Reg. No. 89459-127-47000

EPA Est. No. 47000-IA-01

# KEEP OUT OF REACH OF CHILDREN

See inside label booklet for additional Precautionary Statements, First Aid, and complete Directions for Use

#### PRECAUTIONARY STATEMENTS

#### HAZARDS TO HUMANS AND DOMESTIC ANIMALS

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Prozap is a Registered Trademark of Neogen Corporation.



#### FIRST AID

- 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.
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- Shoes and socks and
- Chemical-resistant apron for persons cleaning equipment, and for handlers performing animal dip applications.

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#### 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.

PEEL BACK HERE AND RESEAL AFTER OPENING

**Net Contents:**  
5 gal. (1.892L)