

Alpha-cypermethrin

Group

3A

Insecticide

# Carifend®

## Continuous Protection System

For use in tobacco warehouses for control of Tobacco Moth (***Ephesia elutella***) and Cigarette Beetle (***Lasiderma serricorne***).

For use in Commercial and Industrial Buildings [Commercial Buildings, Food Handling Facilities, Food Processing Plants, Food Storage Areas, Grain Mills, Granaries, Industrial Buildings, Meat Packing Plants, Museums, Terminals, Trailers, Transportation Equipment (Buses, Boats, Ships, Trains, Trucks and Planes – cargo areas only), Utilities and Warehouses] for control of stored product pests.

Active Ingredient:

**alpha-cypermethrin:** mixture of

(S)- $\alpha$ -cyano-3-phenoxybenzyl (1R,3R)-3-

(2,2-dichlorovinyl)-2,2-dimethylcyclopropanecarboxylate

and

(R)- $\alpha$ -cyano-3-phenoxybenzyl (1S,3S)-3-

(2,2-dichlorovinyl)-2,2-dimethylcyclopropanecarboxylate ..... 0.34%

Other Ingredients: ..... 99.66%

Total: ..... 100.00%

EPA Reg. No. 7969-367

EPA Est. No.

U.S. Patent No. US 9,464,456

**FOR USE ONLY AS AN INSECTICIDE TREATED NET**

**FOR INDOOR USE ONLY**

**FOR USE ONLY BY BASF AUTHORIZED OPERATORS**

**COATING / APPLICATION RATE:** 0.000535 ozs alpha-cypermethrin / ft<sup>2</sup> netting or  
163.2 mg alpha-cypermethrin / m<sup>2</sup> netting

**KEEP OUT OF REACH OF CHILDREN**

**CAUTION/PRECAUCION**

See inside for complete **First Aid, Precautionary Statements, Directions for Use, Conditions of Sale and Warranty and Net Storage and Disposal Instructions**

**In case of an emergency endangering life or property involving this product, call day or night 1-800-832-HELP (4357).**

**Net Contents:**

BASF Agricultural Solutions US LLC  
2 TW Alexander Drive  
Research Triangle Park, NC 27713

| <b>FIRST AID</b>   |   |
|--|---|
| <b>If on skin</b>  | <ul style="list-style-type: none"> <li>• Take off contaminated clothing.</li> <li>• Rinse skin immediately with plenty of water for 15 to 20 minutes.</li> <li>• Call a poison control center or doctor for treatment advice.</li> </ul>  |
| <b>If inhaled</b>  | <ul style="list-style-type: none"> <li>• Move person to fresh air.</li> <li>• If person is not breathing, call 911 or an ambulance; then give artificial respiration, preferably mouth to mouth if possible.</li> <li>• Call a poison control center or doctor for further treatment advice.</li> </ul>   |
| <b>If swallowed</b>  | <ul style="list-style-type: none"> <li>• Call a poison control center or doctor immediately for treatment advice.</li> <li>• Have person sip a glass of water if able to swallow.</li> <li>• <b>DO NOT</b> induce vomiting unless told to do so by a poison control center or doctor.</li> <li>• <b>DO NOT</b> give anything to an unconscious person.</li> </ul> |
| <b>If in eyes</b>  | <ul style="list-style-type: none"> <li>• Hold eye open and rinse slowly and gently with water for 15 to 20 minutes.</li> <li>• Remove contact lenses, if present, after the first 5 minutes; then continue rinsing.</li> <li>• Call a poison control center or doctor for treatment advice.</li> </ul>  |
| <b>HOTLINE NUMBER</b>  |   |
| Have the product container or label with you when calling a poison control center or doctor or going for treatment. You may also contact BASF Agricultural Solutions US LLC (hereafter "BASF") for emergency medical treatment information: 1-800-832-HELP (4357). |   |

## Precautionary Statements

### Hazards to Humans and Domestic Animals

**CAUTION.** Harmful if absorbed through skin. Harmful if inhaled. 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, or using tobacco or using the toilet.

The net contains: ALPHA-CYPERMETHRIN which may cause temporary irritant reactions (paraesthesia) in sensitive individuals after direct contact with the skin. This reaction manifests itself as a slight tingling and a possible reddening of the skin. The symptoms usually disappear quickly. Please consult a physician if symptoms persist or if other symptoms are observed.

### Personal Protective Equipment (PPE)

#### Applicators and other handlers must wear:

- Long-sleeved shirt and long pants
- Chemical-resistant gloves made of chemical resistant material: barrier laminate, butyl rubber ≥ 14 mils, nitrile rubber ≥ 14 mils, neoprene rubber ≥ 14 mils, natural rubber (includes natural rubber blends and laminates) ≥ 14 mils, polyethylene, polyvinyl chloride (PVC) ≥ 14 mils, or viton ≥ 14 mils
- Shoes plus socks

| <b>USER SAFETY RECOMMENDATIONS</b>  |
|---|
| <p><b>Users should:</b></p> <ul style="list-style-type: none"> <li>• Wash hands before eating, drinking, chewing gum, using tobacco, or using the toilet.</li> <li>• Remove clothing/PPE immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.</li> <li>• 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.</li> </ul> |

## DIRECTIONS FOR USE

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

**Formulation type:** Long Lasting Insecticidal Net (LLIN).

**Carifend® Continuous Protection System** nets are installed and disposed of by BASF authorized personnel. Please read and follow use directions provided by the BASF representative who installs the system to ensure proper use of the system in accordance with local regulations and best practices specific to your facility, stored good(s) and pest populations.

Contact with the **Carifend** net on skin may cause paraesthesia (e.g., tingling, tickling, prickling, pricking, or burning sensation).

**Carifend** controls pests such as Saw-toothed Grain Beetle adults, (*Oryzaephilus surinamensis*); Confused Flour Beetle adults, (*Tribolium confusum*); Indianmeal Moth adults and larvae, (*Plodia interpunctella*); Litter Beetle adults, (*Alphitobius diaperinus*); Granary Weevil adults, (*Sitophilus granarius*); Red Flour Beetle adults, (*Tribolium castaneum*); Tobacco Moth, (*Ephesia elutella*); Cigarette Beetle, (*Lasiderma serricorne*)

### Information for protecting the environment

Net is highly toxic to aquatic organisms. **DO NOT** place nets in or near bodies of water as it could cause harmful effects to aquatic organisms.

**DO NOT** dispose into the subsoil/soil. **DO NOT** expose or dispose into drains/surface waters/groundwater.

### Information for protecting users

Handle in accordance with good industrial hygiene and safety practice.

No special measures necessary if stored and handled correctly. Ensure thorough ventilation of storage area and work areas.

### Using the Carifend Netting System for Optimal Results

Follow these label directions to ensure proper use of the system in accordance with local regulations and best practices specific to your facility, stored good(s) and pest populations.

### Preparing goods for storage

For effective control, stored commodities **MUST** be pest-free before being placed under **Carifend** netting for storage. To ensure that goods are pest free, treat with a pest-elimination protocol approved for the commodity (e.g., fumigation, freezing, extreme heat), then immediately placed under the netting system. Alternatively, stored commodities can be fumigated after being placed under the **Carifend** netting system.

### Customized net design and production

The **Carifend® Continuous Protection System** nets and hanging systems are custom designed to fit each building, taking into account the facility's construction type, ceiling height, pile size and dimensions. Working in collaboration with the building staff, a BASF-certified technician will assess and calculate the net dimensions for the installation and will then create a final design.

### Installation

The hanging system (Framing Unit) for the **Carifend** nets will be installed by a BASF-certified technician, and **Carifend** will then be suspended from this system.

### Net integrity and inspection

The net system must fully enclose the stored goods, without any gaps or breaches to ensure protection against infestation. When removing or adding boxes or items (to the pile), close the net openings immediately. Inspect the nets weekly for any signs of tears or holes that might allow insects to enter. Repair or replace damaged nets or nets that are excessively soiled immediately. **Carifend® Continuous Protection System** nets are developed exclusively for indoor warehouse and building protection. **DO NOT** allow boxes or items stored under **Carifend** to be in direct contact with the netting to maximize protection to stored goods under the net.

### **Pest monitoring and tracking**

Weekly monitor pest populations within the warehouse or building. Place pheromone-based insect-monitoring traps throughout the warehouse or building to monitor pest levels according to guidelines. Additionally, place some traps underneath the net to measure any kind of accidental infestation.

### **Employee training, including pest monitoring and tracking**

In order to maximize and support the effective use of **Carifend® Continuous Protection System** nets, BASF will provide training by a certified **Carifend** technician. Subjects to be covered during this training program will include net maintenance and care, pest monitoring and tracking, and proper handling of the nets. Removal or replacement of **Carifend** nets will always be conducted by certified **Carifend** technicians.

## **STORAGE AND NET DISPOSAL**

### **KEEP IN SAFE PLACE**

**DO NOT** expose nets to direct, prolonged sunlight and heat.

Store in a dry place and in the original container.

**DO NOT** store near food, drink or animal feed once the net is removed from the original container.

### **Net disposal, repair and replacement**

The nets are effective up to 3 years from the date of installation.

The net(s) and its container(s) must be disposed of in a safe way using hazardous or special waste collection repositories.

BASF will be responsible for disposal of **Carifend** at the end of the net's life cycle.

### Conditions of Sale and Warranty

The **Directions For Use** of this product reflect the opinion of experts based on field use and tests. The directions are believed to be reliable and must be followed carefully. However, 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 the presence of other materials or use of the product in a manner inconsistent with its labeling, all of which are beyond the control of BASF Agricultural Solutions US LLC ("BASF") or the Seller. To the extent consistent with applicable law, all such risks shall be assumed by the Buyer.

BASF warrants that this product conforms to the chemical description on the label and is reasonably fit for the purposes referred to in the **Directions For Use**, subject to the inherent risks, referred to above.

**TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, BASF MAKES NO OTHER EXPRESS OR IMPLIED WARRANTY OF FITNESS OR MERCHANTABILITY OR ANY OTHER EXPRESS OR IMPLIED WARRANTY.**

**TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, BUYER'S EXCLUSIVE REMEDY AND BASF'S EXCLUSIVE LIABILITY, WHETHER IN CONTRACT, TORT, NEGLIGENCE, STRICT LIABILITY, OR OTHERWISE, SHALL BE LIMITED TO REPAYMENT OF THE PURCHASE PRICE OF THE PRODUCT.**

**TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, BASF AND THE SELLER DISCLAIM ANY LIABILITY FOR CONSEQUENTIAL, EXEMPLARY, SPECIAL OR INDIRECT DAMAGES RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT.**

BASF and the Seller offer this product, and the Buyer and User accept it, subject to the foregoing **Conditions of Sale and Warranty** which may be varied only by agreement in writing signed by a duly authorized representative of BASF.

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***Carifend** is a registered trademark of BASF.*

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We create chemistry