

**GROUP 1A INSECTICIDE**

**ECO-BRAN**

**BRAN FOR  
GRASSHOPPERS**

**For the control of cutworms, armyworms, darkling  
beetles, field crickets, grasshoppers, house  
crickets, mole crickets, sowbugs and ants (except carpenter  
ants, fire ants, harvester ants and pharaoh ants).**

**ACTIVE INGREDIENT: Carbaryl (1-naphthyl N-methylcarbamate) .....2.0%**  
**OTHER INGREDIENTS: .....98.0%**  
**TOTAL .....100.0%**

**KEEP OUT OF REACH OF CHILDREN**

**CAUTION**

**See First Aid on Page 2**

**EPA Est. No. 067650-CAN-001 • EPA Reg. No. 19713-630-67650**

**NET CONTENT 44 LBS.**

**Manufactured For: Peacock Industries  
P.O. Box 777 Hague, Saskatchewan Canada S0K 1X0 306-225-4691**

## FIRST AID

**This product is an N-methyl carbamate that inhibits cholinesterase.**

### **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 do so by a poison control center or doctor.
- 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 to 20 minutes.
- Call a poison control center for doctor or treatment advice.

### **IF IN EYES:**

- Hold eye open and rinse slowly and gently with water for 15 to 20 minutes.
- Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye.
- Call a poison center or doctor for treatment advice.

Have the container or label with you when calling a poison control center or doctor, or going for treatment. For information on this pesticide product (including health concerns, medical emergencies or pesticide incidents), call the National Pesticide Information Center at 1-800-858-7378.

### **NOTE TO PHYSICIAN:**

Carbaryl is an N-methyl carbamate that inhibits cholinesterase. Atropine is antidotal. Do not use 2-PAM (pyridine-2-aldoxime methiodide), opiates or cholinesterase inhibiting drugs. Probable mucosal damage may contraindicate the use of gastric lavage.

## **PRECAUTIONARY STATEMENTS**

### **Hazards to Humans and Domestic Animals**

**CAUTION:** Harmful if swallowed or if absorbed through skin. Avoid Contact with eyes, skin, or clothing.

### **PERSONAL PROTECTIVE EQUIPMENT (PPE)**

Some materials that are chemical-resistant to this product are natural rubber, polyethylene or neoprene. If you want more options, follow the instructions for Category A on an EPA chemical-resistance category selection chart.

**Loaders, applicators and other handlers must wear:** Long-sleeved shirt and long pants, chemical-resistant gloves, and shoes plus socks.

In addition, handlers loading baits into airplanes under the auspices of the Animal Plant Health Inspection Service (APHIS) Rangeland Grasshopper and Mormon Cricket Suppression Program, and allied state programs must wear a NIOSH-approved dust/mist filtering respirator with NIOSH/MSHA approval number prefix TC-21C or a NIOSH-approved respirator with any N, R, P or HE filter.

Aerial application is prohibited, except for the aerial applications under the auspices of the Animal Plant Health Inspection Service (APHIS) Rangeland Grasshopper and Mormon Cricket Suppression Program, and/or allied state programs.

See Engineering Controls for additional requirements or exceptions.

### **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.

### ENGINEERING CONTROLS

Pilots applying applications under the auspices of the Animal Plant Health Inspection Service (APHIS) Rangeland Grasshopper and Mormon Cricket Suppression Program or related state programs must use an enclosed cockpit in a manner that is consistent with the WPS for Agricultural Pesticides [40 CFR 170.240(d)(6)]. In addition, the cockpit air intake must be located above the bait release point and the bait bin must be completely separate from the cockpit. Flaggers supporting aerial applications permitted above must use an enclosed cab that meets the definition in the WPS for Agricultural Pesticides [40 CFR 170.240(d)(5)] for dermal protection. In addition, flaggers must:

- wear long-sleeved shirt, long pants, shoes, and socks,
- either wear a NIOSH-approved dust/mist filtering respirator with NIOSH/MSHA approval number prefix TC-21C or a NIOSH-approved respirator with any N, R, P or HE filter **or** use an enclosed cab that is declared in writing by the manufacturer or by a government agency to provide at least as much respiratory protection as this type of respirator,
- be provided and have immediately available for use in an emergency when they must exit the cab in the treated area: chemical-resistant gloves and chemical resistant headgear and, if using an enclosed cab that provides respiratory protection, a respirator of the type specified above,
- take off any PPE that was worn in the treated area before reentering the cab, and
- store all such PPE in a chemical-resistant container such as a plastic bag, to prevent contamination of the inside of the cab.

When applicators use enclosed cabs in a manner that meets the requirements listed in the WPS for agricultural pesticides [40 CFR 170.240(d)(5)], the handler PPE requirements may be reduced or modified as specified in the WPS.

### USER SAFETY RECOMMENDATIONS

**Users should:** 1) Wash hands before eating, drinking, chewing gum, using tobacco, or using the toilet. 2) Remove clothing/PPE immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing. 3) Remove PPE immediately after handling this product. Wash the outside of the gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

## **ENVIRONMENTAL HAZARDS**

This product is extremely toxic to aquatic invertebrates. For terrestrial uses, do not apply directly to water, or to areas where surface water is present or to intertidal areas below the mean high water mark. Do not apply when weather conditions favor drift from the area treated. Drift and runoff may kill aquatic invertebrates in water adjacent to treated areas. Do not contaminate water by cleaning equipment or disposal of wastes. Do not contaminate water when disposing of equipment washwaters.

## **DIRECTIONS FOR USE**

It is a violation of Federal law to use this product in a manner inconsistent with its labeling. 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. For any requirements specific to your State or Tribe, consult the agency responsible for pesticide regulation.

## **AGRICULTURAL USE REQUIREMENTS**

Use this product only in accordance with its labeling and with the Worker Protection Standard (WPS), 40 CFR Part 170. This standard contains the requirements for the protection of agricultural workers on farms, forests, nurseries, and greenhouses, and handlers of agricultural pesticides. It contains requirements for training, decontamination, notification, and emergency assistance. It also contains specific instructions and exceptions pertaining to the statements on this label about personal protective equipment (PPE), restricted-entry interval (REI) and notification to workers. The requirements in this box only apply to uses of this product that are covered in the WPS.

Do not enter or allow worker entry into treated areas during the REI. The REI for carbaryl is 12 hours unless otherwise specified in the directions for use associated with each crop.

PPE required for early entry to treated areas that is permitted under the WPS and that involves contact with anything that has been treated such as plants, soil, or water is: Coveralls over long-sleeved shirt and short pants, chemical-resistant gloves made of any waterproof material, chemical-resistant footwear plus socks, chemical-resistant headgear if overhead exposure.

When the REI for a crop is 7 days or longer, you must notify workers of the application by warning them orally and by posting warning signs at the entrances to treated area.

## **USE INFORMATION**

CARBARYL 2% BAIT/GRANULE is used for the control of cutworms, armyworms, darkling beetles, field crickets, grasshoppers, house crickets, mole crickets, sowbugs, and ants (except carpenter ants, fire ants, harvester ants, and pharaoh ants).

## **RESISTANCE MANAGEMENT**

### **GROUP 1A INSECTICIDE**

CARBARYL 2% BAIT/GRANULE contains Group 1A insecticide. Insect biotypes with acquired resistance to Group 1A may eventually dominate the insect population if Group 1A insecticides are used repeatedly in the same field or in successive years as the primary method of control for targeted species. This may result in partial or total loss of control of those species by this product or other Group 1A insecticides.

To delay insecticide resistance, consider:

- Avoiding the consecutive use of this product or other Group 1A insecticides that have similar target site of action on the same insect species.
- Using tank mixtures or premixes with insecticides from a different target site action Group as long as the involved products are all registered for the same use and have different sites of action.
- Basing insecticide use on a comprehensive IPM program.
- Monitoring treated insect populations for loss of field efficacy.
- Contacting your local extension specialist, certified crop advisors, and/or manufacturer for insecticide resistance management and/or IPM recommendations for specific site and resistant pest problems.

## **IMPORTANT PRE-HARVEST AND GRAZING INFORMATION**

Tolerances established under the Federal Food, Drug and Cosmetic Act permit the sale of crops bearing probable carbaryl residues when carbaryl is used in accordance with the label directions.

If carbaryl is used in accordance with label directions, carrots tops, corn forage, and sugar beet tops may be grazed or harvested for use as feed for dairy and meat animals without resulting in illegal residues in milk or meat.

## METHOD OF APPLICATION

This product may only be applied by ground using a mechanical spreader or underground shank applicator. DO NOT apply by hand, spoon or belly grinder.

**EXCEPTION:** Aerial applications only to rangeland are allowed only under the auspices of the Animal Plant Health Inspection Service (APHIS) Rangeland Grasshopper and Mormon Cricket Suppression Program and/or allied state programs.

CROP	SPECIFIC USE INSTRUCTIONS / RESTRICTIONS
<b>Asparagus</b>	<p>Application to Spears: Apply 50 lbs. per acre per application. Maximum yearly usage is 150 lbs. per acre.</p> <p>Application to Ferns (after harvest of spears): Apply 100 lbs. per acre per application. Maximum yearly usage is 100 lbs. per acre.</p> <p><b>Use Restrictions:</b> Total combined maximum application for spears and ferns is 250 lbs. per acre per year. Minimum retreatment interval is 3 days. Do not apply within 1 day of harvest. Do not apply more than 3 times to spears and 2 times to ferns.</p>
<b>Garden beets (roots), Carrots, Horseradish, Parsnips, Radish, Rutabaga, Salsify, Turnips (roots)</b>	<p>Apply 100 lbs. per acre per application. Maximum yearly usage is 300 lbs. per acre.</p> <p><b>Use Restrictions:</b> Minimum retreatment interval is 7 days. Do not apply within 7 days of harvest. Do not apply more than 3 times per year.</p>
<b>Garden beet (tops), Turnips (tops)</b>	<p>Apply 100 lbs. per acre per application. Maximum yearly usage is 300 lbs. per acre.</p> <p><b>Use Restrictions:</b> Minimum retreatment interval is 7 days. Do not apply within 14 days of harvest. Do not apply more than 3 times per year.</p>

<p><b>All members of the Head and Stem Brassica vegetables Subgroup 5A including: Broccoli, Brussel sprouts, Cabbage, Cauliflower, Cavalo broccolo, Chinese broccoli (gai lon), Chinese cabbage (napa), Chinese mustard cabbage (gai choy), Kohlrabi</b></p>	<p>Apply 100 lbs. per acre per application. Maximum yearly usage is 300 lbs. per acre.</p> <p><b>Use Restrictions:</b> Apply only within 30 days of crop emergence or transplanting. Minimum retreatment interval is 7 days. Do not apply within 3 days of harvest. Do not apply more than 3 times per year.</p>
<p><b>All members at the Brassica leafy vegetables Subgroup 5B: Chinese cabbage (bok choy), Collards, Kale, Mizuna, Mustard greens, Mustard spinach, Rape greens, Turnip greens</b></p>	<p>Apply 100 lbs. per acre per application. Maximum yearly usage is 300 lbs. per acre.</p> <p><b>Use Restrictions:</b> Apply only within 30 days of crop emergence or transplanting. Minimum retreatment interval is 7 days. Do not apply within 14 days of harvest. Do not apply more than 3 times per year.</p>
<p><b>Corn (Field, Pop)</b></p> <p><b>(REI*=24hrs.)</b></p>	<p>Apply 100 lbs. per acre per application. Maximum yearly usage is 400 lbs. per acre.</p> <p><b>Use Restrictions:</b> Minimum retreatment interval is 14 days. Do not apply within 14 days of harvest of forage or silage. Do not apply more than 48 days of harvest of grain or fodder. Do not apply more than 4 times per year.</p> <p>*REI is 24 hours. Exception: the REI is 21 days for workers detasseling corn. Hand harvesting is prohibited.</p>



<p><b>Corn (Sweet)</b></p> <p><b>(REI*= 24 hrs.)</b></p>	<p>Apply 100 lbs. per acre per application. Maximum yearly usage is 800 lbs. per acre.</p> <p><b>Use Restrictions:</b> Minimum retreatment interval is 3 days. Do not apply within 2 days of harvest of ears. Do not apply within 14 days of harvest of forage. Do not apply more than 48 days of harvest of fodder. Do not apply more than 8 times per year. *REI is 24 hours. Exception: the REI is 21 days for workers detasseling com. Hand harvesting is prohibited.</p>
<p>All members of the Cucurbit Vegetable Group 9 including: Chaybte (fruit), Chinese waxgourd, Citron melon, Cucumber, Gherkin, Gourd (edible), Melons, <i>Momordica</i> spp. (includes balsam apple, balsam pear, bitter melon, Chinese cucumber), Pumpkin, Squash (includes summer types such as crookneck, scallop, straightneck, vegetable marrow, zucchini and winter types such as acorn, butternut, calabaza, cushaw, Hubbard, spaghetti squash), Melons</p>	<p>Apply 50 lbs. per acre per application. Maximum yearly usage is 300 lbs. per acre.</p> <p><b>Use Restrictions:</b> Minimum retreatment interval is 7 days. Do not apply within 3 days of harvest. Do not apply more than 6 times per year.</p>
<p><b>Grain Sorghum</b></p>	<p>Apply 98 pounds per acre per application. Maximum yearly usage is 300 lbs. per acre.</p> <p><b>Use Restrictions:</b> Minimum retreatment interval is 7 days. Do not apply more than 4 times per year.</p>

<b>Pistachios (non-bearing trees only)</b>	<p>Apply 100 lbs. per acre per application. Maximum yearly usage is 500 lbs. per acre.</p> <p>If weeds or cover crops bloom is present, mow orchard or between rows prior to applying this product.</p> <p><b>Use Restrictions:</b> Minimum retreatment interval is 7 days.</p> <p>Use only on trees that will not bear fruit for 1 year from date of application.</p>
<b>Potatoes</b>	<p>Apply 100 lbs. per acre per application. Maximum yearly usage is 300 lbs. per acre.</p> <p><b>Use Restrictions:</b> Minimum retreatment interval is 7 days. Do not apply within 7 days of harvest. Do not apply more than 3 times per year.</p>
<b>Sugar beets</b>	<p>Apply 30 lbs. per acre per application. Maximum yearly usage is 60 lbs. per acre.</p> <p><b>Use Restrictions:</b> Minimum retreatment interval is 14 days. Do not apply within 28 days of harvest of roots or forage. Do not apply more than 2 times per year.</p>
<b>All members of the Fruiting Vegetable Group 8 including: Eggplant, Groundcherry, Pepinos, Peppers, Tomatillo, Tomato</b>	<p>Apply 100 lbs. per acre per application. Maximum yearly usage is 400 lbs. per acre.</p> <p><b>Use Restrictions:</b> Minimum retreatment interval is 7 days. Do not apply within 3 days of harvest. Do not apply more than 4 times per year.</p>
<b>Pasture and Grasses grown for hay or seed</b>	<p>Apply up to 75 lbs. per acre per application. Maximum yearly usage is 150 lbs. per acre.</p> <p><b>Use Restrictions:</b> Minimum retreatment interval is 14 days. Do not apply within 7 days of harvest or grazing. Do not apply more than 2 times per year.</p>

<b>Rangeland</b>	<p><b>Ground Application Only:</b> Apply up to a maximum of 50 lbs. per acre. <b>Use Restrictions:</b> Do not apply more than once per year.</p> <p><b>USDA Aphis Program for Mormon Crickets and Grasshopper Suppression:</b> Apply 10 lbs. per acre per application. Maximum yearly usage is 20 lbs. per acre. <b>Use Restrictions:</b> Minimum retreatment interval is 14 days. Do not apply more than 2 times per year. Use of flaky bran bait for aerial application is prohibited. Aerial application is allowed ONLY through USDA Aphis and affiliated state grasshopper and Mormon Cricket suppression programs.</p>
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## STORAGE AND DISPOSAL

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

**Storage:** Store in original container only and keep sealed. Store in a cool, dry and closed storage area. Keep container tightly closed when not in use. Reduce stacking height where local conditions such as humidity or pallet overhang can affect package strength. Observe precautions when moving, opening, pouring or closing.

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

**Container Disposal:** Nonrefillable container. Do not reuse or refill this container. Offer for recycling, if available. Dispose of empty container in a sanitary landfill or by incineration, or, if allowed by State and local authorities, by burning. If burned, stay out of smoke.

## WARRANTY - CONDITIONS OF SALE

OUR DIRECTIONS FOR USE of this product are based upon tests believed reliable. Follow directions carefully. Timing and method of application, weather and crop conditions, mixtures with other chemicals not specifically directed, and other influencing factors in the use of this product are beyond the control of the Seller. To the extent consistent with applicable law, Buyer assumes all risks of use, storage and handling of this material not in strict accordance with the directions given herewith. To the extent consistent with applicable law, in no case shall the Manufacturer or the Seller be liable for consequential, special or indirect damages resulting from the use or handling of this product when such use and/or handling is not in strict accordance with the directions given herewith. The foregoing is a condition of sale by the Seller and is accepted as such by the Buyer.