



**OFFICE OF CHEMICAL SAFETY AND POLLUTION PREVENTION**

WASHINGTON, D.C. 20460

April 9, 2025

Jasmine Ponce  
Regulatory Compliance Specialist  
The Andersons, Inc.  
P.O. 119  
Maumee, OH 43537

Subject: Registration Review Label Amendments Incorporating Mitigation from the National Marine Fisheries Services (NMFS) Biological Opinions on the Effects of Carbaryl  
Product Name: The Andersons 8.0% Granular Carbaryl  
EPA Registration Number: 9198-146  
Application Date: 4/8/24  
Decision Number: 595610

Dear Jasmine Ponce:

The Agency, in accordance with the Federal Insecticide, Fungicide and Rodenticide Act (FIFRA), as amended, has completed reviewing all the information submitted with your application of the above referenced product in connection with the NMFS' Biological Opinion on the effects of carbaryl on federally listed endangered and threatened species and designated critical habitat in accordance with section 7 of the Endangered Species Act (ESA) of 1973, as amended (16 U.S.C. 1531 et seq.). The Agency has concluded that your submission is acceptable. The label referred to above, submitted in connection with registration under FIFRA, as amended, is acceptable.

Should you wish to add/retain a reference to the company's website on your label, then please be aware that the website becomes labeling under the Federal Insecticide, Fungicide, and Rodenticide Act and is subject to review by the Agency. If the website is false or misleading, the product would be misbranded and unlawful to sell or distribute under FIFRA section 12(a)(1)(E). 40 CFR 156.10(a)(5) list examples of statements EPA may consider false or misleading. In addition, regardless of whether a website is referenced on your product's label, claims made on the website may not substantially differ from those claims approved through the registration process. Therefore, should the Agency find or if it is brought to our attention that a website contains false or misleading statements or claims substantially differing from the EPA approved

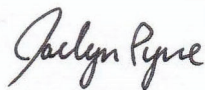
registration, the website will be referred to the EPA's Office of Enforcement and Compliance Assurance.

A stamped copy of your labeling is enclosed for your records. This labeling supersedes all previously accepted labeling. You must submit one copy of the final printed labeling before you release the product for shipment with the new labeling. In accordance with 40 CFR 152.130(c), you may distribute or sell this product under the previously approved labeling for 12 months from the date of this letter. After 12 months, you may only distribute or sell this product if it bears this new revised labeling or subsequently approved labeling. "To distribute or sell" is defined under FIFRA section 2(gg) and its implementing regulation at 40 CFR 152.3.

The Agency received the U.S. Fish and Wildlife Service's (FWS) BiOp on the effects of EPA's national registration of carbaryl and posted it on the [website](#) on April 9, 2025. The Agency plans to incorporate and implement this FWS BiOp when issuing the interim decision for carbaryl. EPA will notify the registrants of any need to submit label amendments within 60 days of the issuance of the interim decision.

If you have any questions about this letter, please contact Carolyn Smith at [smith.carolyn@epa.gov](mailto:smith.carolyn@epa.gov).

Sincerely,

A handwritten signature in black ink that reads "Jaclyn Pyne". The signature is written in a cursive, flowing style.

Jaclyn Pyne, Team Leader  
Risk Management and Implementation Branch 3  
Pesticide Re-Evaluation Division  
Office of Pesticide Programs

Enclosure

{Subpart A – Commercial Use}

CARBARYL	GROUP	1A	Insecticide
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## THE ANDERSONS 8.0% GRANULAR CARBARYL

*{Optional marketing claims:}*

- Kills white grubs, sod webworms, chinch bugs, ant and over 20 insects
- Use on lawns and ornamentals plantings
- For Lawns
- Soil & Turf Insect Kill
- Dispersible Granular Carrier

**Active Ingredient**

Carbaryl (1-naphthyl N-methylcarbamate) ..... 8.0%

**Inert Ingredients:** ..... 92.0%**Total:** .....100.00%

EPA Reg No. 9198-146

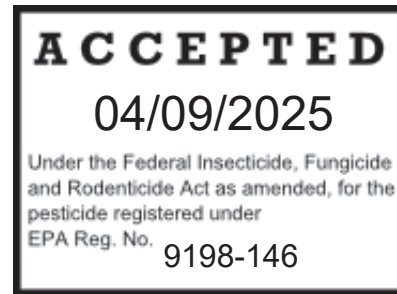
EPA Est No. 9198-OH-1M, 9198-OH-2B, 9198-AL-001A

Underlined letter is the first used in run code on bag

**KEEP OUT OF REACH OF CHILDREN****CAUTION****See Back Panel for Additional Precautionary Statements**

NET WEIGHTS \_\_ LBS.

TREATS UP TO \_\_\_\_ SQ.FT



# THE ANDERSONS 8.0% GRANULAR CARBARYL

## PRECAUTIONARY STATEMENTS

### HAZARDS TO HUMANS AND DOMESTIC ANIMALS

## CAUTION

HARMFUL IF SWALLOWED, INHALED OR ABSORBED THROUGH THE SKIN. Avoid breathing dust. Avoid contact with skin, eyes or clothing. Wash thoroughly with soap and water after handling. Remove contaminated clothing before reuse.

## Personal Protective Equipment (PPE)

Some materials that are chemical-resistant to this product are barrier laminate, nitrile rubber, neoprene rubber or viton. If you want more options, follow the instructions for category E 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.

Aerial application is prohibited.

**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:** When applicators use enclosed cabs in a manner that meets the requirements listed in the Worker Protection Standard (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 wash hands thoroughly with soap and water before eating, drinking, chewing gum, using tobacco, or using the toilet. Users should remove clothing/PPE immediately if pesticide gets inside. They should 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 extremely toxic to aquatic invertebrates. For terrestrial uses, do not apply directly to water, or to areas where the surface water is present or to intertidal areas below the mean high water mark. Do not contaminate water when disposing of equipment washwater or rinsate. Do not apply when weather conditions favor drift from the area treated. Drift and run-off may be hazardous to aquatic invertebrates in water adjacent to treated areas.

To protect the environment, do not allow pesticide to enter or run off into storm drains, drainage ditches, gutters or surface waters. Applying this product in calm weather when rain is not predicted for the next 48 hours will help to ensure that wind or rain does not blow or wash pesticide off the treatment area. Sweeping any product that lands on a driveway, sidewalk, or street, back onto the treated area of the lawn or garden will help to prevent run off to water bodies or drainage systems.

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 Pollutant Discharge Elimination System (NPDES) permit and the permitting authority has been notified in writing prior to discharge. Do not discharge effluent containing this product to sewer systems without previously notifying the local sewage treatment plant authority. For guidance contact your State Water Board or Regional Office of the EPA.

**Agricultural Use Requirements**

Use this product only in accordance with its labeling and with the Worker Protection Standard, 40 CFR part 170. This standard contains requirements for the protection of agricultural workers on farms, forest, 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 protection equipment (PPE), restricted-entry intervals. The requirements in this box only apply to uses of this product, that are covered by the Worker Protection Standard. Do not enter or allow worker entry into treated areas during the restricted entry interval (REI) of 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 Worker Protection Standard and that involves contact with anything that has been treated, such as plants, soil or water, is: 1. Coveralls over short sleeve shirt and short pants. 2. Chemical-resistant footwear, shoes plus socks, 3. Chemical-resistant gloves made of any waterproof material, gloves, 4. Chemical-resistant headgear for overhead exposure. When the Restricted-Entry Interval 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 entrances to treated area.

**Non-Agricultural Use Requirements**

The requirements in this box apply to uses of this product that are **NOT** within the scope of the Worker Protection Standard for agricultural pesticides (40 CFR Part 170). The WPS applies when this product is used to produce agricultural plants on farms, nurseries, or greenhouses. Do not enter or allow others to enter the treated area until dusts have settled. In addition, if directions for use require watering-in, do not enter, or allow others to enter the treated area (except those involved in the watering-in) until the watering-in is completed and the area has dried.

**First Aid**

Carbaryl is an N-Methyl Carbamate Insecticide.

**GENERAL:** Contact a physician immediately in all cases of suspected poisoning. Transport patient to a physician or hospital immediately and SHOW A COPY OF THIS LABEL TO THE PHYSICIAN. If poisoning is suspected in animals contact a veterinarian.

If swallowed	Call a poison control center or doctor for treatment advice. Have the 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 by mouth to an unconscious person.
If inhaled	Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth if possible. Call a poison control center or doctor for treatment advice.
If on skin	Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control center or doctor for treatment advice.
If in eyes	Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contacts, 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. You may also contact 1-800-757-8951 for emergency medical treatment information.	

**ANTIDOTE STATEMENT:** ATROPINE SULFATE IS HIGHLY EFFECTIVE AS AN ANTIDOTE. See NOTE TO PHYSICIAN

**NOTE TO PHYSICIAN:**

Carbaryl is a 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.

**DIRECTIONS FOR USE**

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

To treat insects harbored in voids and cracks-and-crevices, applications must be made in such a manner to limit dripping and avoid runoff onto untreated structural surfaces and plants.

**Read entire label before using this product.**

**REPORTING ECOLOGICAL INCIDENTS:** For guidance on reporting ecological incidents, including death, injury, or harm to plants and animals, including bees and other non-target insects, see EPA's Pesticide Incident Reporting website: <https://www.epa.gov/pesticide-incidents> or call 1-800-757-8951.

**ENDANGERED AND THREATENED SPECIES PROTECTION REQUIREMENTS:** Before using this product, you must obtain any applicable Endangered Species Protection Bulletins ('Bulletins') within six months prior to or on the day of application. To obtain Bulletins, go to Bulletins Live! Two

(BLT) at <https://www.epa.gov/pesticides/bulletins>. When using this product, you must follow all directions and restrictions contained in any applicable Bulletin(s) for the area where you are applying the product, including any restrictions on application timing if applicable. It is a violation of Federal law to use this product in a manner inconsistent with its labeling, including this labeling instruction to follow all directions and restrictions contained in any applicable Bulletin(s). For general questions or technical help, call 1-844-447-3813, or email [ESPP@epa.gov](mailto:ESPP@epa.gov)

**RESISTANCE MANAGEMENT:** For resistance management, The Andersons 8.0% Granular Carbaryl contains a Group 1A insecticide. Any insect population may contain individuals naturally resistant to The Andersons 8.0% Granular Carbaryl and other Group 1A insecticides. The resistant individuals may dominate the insect population if this group of 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 The Andersons 8.0% Granular Herbicide or other Group 1A insecticides within a growing season, or among growing seasons, with different groups that control the same pests. A void application of more than 4 times and consecutive applications of The Andersons 8.0% Granular Herbicide or other insecticides in the same group in a season.
- 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 a 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 insect resistance management benefits of an insecticide 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.
- 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 or certified crop advisors 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 The Andersons, Inc. at 1-800-757-8951.

Do not apply during rain. Do not apply when soil in the area to be treated is saturated (if there is standing water on the field or if water can be squeezed from soil) or if NOAA/National Weather Service predicts a total rainfall of 1 inch or greater over the 48 hours following the day of application, only considering a 48-hour period when, at any point during the 48-hour period, the precipitation potential is 50% or greater. Detailed National Weather Service forecasts for local weather conditions should be obtained on-line at: [www.weather.gov](http://www.weather.gov) or by contacting your local National Weather Service Forecasting Office.

Do not apply within 25 feet of aquatic habitats (such as, but not limited to, lakes, reservoirs, rivers, permanent streams or ephemeral streams when water is present, wetlands or natural ponds, estuaries, and commercial fish farm ponds).

All outdoor applications, unless 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, lawn, turf, or vegetation;
2. Perimeter band treatments of 6 ft wide or less from the base of a man-made structure to pervious surfaces (e.g., soil, mulch, or lawn);

3. Applications around potential exterior pest entry points into man-made structures such as doorways and windows, when limited to a band not to exceed one inch;
4. Applications to vertical surfaces directly above pervious surfaces, such as bare soil, lawn, turf, mulch or other vegetation, that do not drain into ditches, storm drains, gutters, or surface waters.

Spot treatments must not exceed two square feet in size (for example, 2 ft. by 1 ft. or 4 ft. by 0.5 ft).

Do not apply the product into fish pools, ponds, streams, or lakes. Do not apply directly to sewers or storm drains, or to any area like a drain or 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 directly to impervious horizontal surfaces such as sidewalks, driveways, and patios except as a spot or crack-and-crevice treatment.

Do not apply to vertical surfaces directly above pervious or impervious surfaces that drain into ditches, storm drains, gutters, or surface waters.

Do not apply or irrigate to the point of runoff.

#### LAWNS, RECREATIONAL, AND ORNAMENTAL TURF AREAS

To kill turf grass pests, apply granules uniformly to the turf grass. Follow specific directions for proper application and irrigation.

The maximum annual amount for turf grass is 10 lbs. ai/acre/year.

#### Restrictions

Not for use on sod farms.

Do not apply more than 4 times per year.

The minimum reapplication interval

Do not apply by hand, spoon or belly grinder.

For outdoor use only

Apply only using ground equipment.

Do not apply this product for agricultural uses in Hawaii.

This product will kill only target pests present at the time of the application. Pests must be directly contacted to be effective.

PEST		LBS OF PRODUCT PER 1,000 SQ.FT	SPECIFIC DIRECTIONS
Ants (except harvester ants, pharaoh ants and carpenter ants)	Green June Beetle	1.7 to 2.4	Apply uniformly when grass is dry.  Product must be watered in immediately after application.
Armyworms	Green June Beetle		
Centipedes	Grubs		
Chiggers	Lawn Moths (Sod Webworm)		
Chinch Bugs	Leafhoppers		
Crickets	Lucrene Moth		
Cutworms	Larvae		
Darkling Ground Beetles	Millipedes		
Earwigs	Sowbugs		
Essex Skipper	Spittlebugs		
European Chafer	Springtails		
Fall Armyworm	Yellowstriped		
Fiery Skipper	Armyworms		
Fleas			
Grasshoppers			

PEST	LBS OF PRODUCT PER 1,000 SQ.FT	SPECIFIC DIRECTIONS
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White Grubs (such as Japanese Beetle Grubs, Chafer Beetles, <i>Physilophaga</i> spp. Grubs and Annual White Grubs) Bluegrass billbugs larvae European crane fly larvae	2.4	For white grub kill, applications should be made when grubs are feeding near the soil surface, usually during late March through May or July to early September, or as recommended by local agricultural extension agents.  Product must be watered in immediately after application.
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**NUISANCE PEST KILL IN AND AROUND FLOWER BED AND ORNAMENTAL PLANTINGS AND AROUND OUTSIDE OF BUILDINGS**

For kill of Ants (except harvester ants, pharaoh ants and carpenter ants), Armyworms, Centipedes, Crickets, Cutworms, Earwigs, Firebrats, Silverfish, Fleas, Millipedes, Sowbugs, Scorpions, and Spiders; Apply 2.4 lbs of this product per 1,000 sq.ft. to shrub and flowerbeds, foundations, ornamental plantings, and lawn or soil areas immediately adjacent to the building. For most effective kill, treated areas must be watered in. Do not apply more than 4 times allowed per year. The minimum reapplication interval is seven days.

**FRUIT AND VEGETABLE CROPS**

For kill of Ants (except harvester ants, pharaoh ants and carpenter ants), Centipedes, Crickets, Cutworms, Earwigs, Grasshoppers, Millipedes Sowbugs (Pillbugs), Springtales and refer to Use Rate chart below for application information for specific crops. Apply specified rate of product evenly over the soil surface. Product must be watered in immediately after application. Applications may be made at any time before, during and after growing season. If applying during the growing season, observe indicated pre-harvest intervals (PHI). Do not apply within the numbers of days indicated in the commodity's PHI before harvesting.

**Use rates for The Andersons 8.0% Granular Carbaryl**

Commodity	Use Rate
Asparagus	<b>Application to Spears:</b> <ul style="list-style-type: none"> <li>Single application rate of 0.35 lbs per 1,000 sq. ft.</li> <li>PHI is one day</li> <li>Repeat applications up to 3 times allowed per year prior to harvest</li> <li>Retreatment interval = 7 days</li> </ul> <b>Application to Ferns (after harvest of spears):</b> <ul style="list-style-type: none"> <li>Single application rate of 0.6 lbs per 1,000 sq. ft.</li> <li>Retreatment interval = 7 days</li> <li>Do not exceed a maximum number of 4 applications per year pre- and post- combined.</li> </ul>
Dried shelled beans and peas including: field bean, kidney bean, lima bean (dry), navy bean, pinto bean, adzuki bean, blackeyed pea, cowpea, mung bean, southern pea, lentil (dry). Use on succulent peas and beans are prohibited.	<ul style="list-style-type: none"> <li>Single application rate of 0.4 lbs per 1,000 sq. ft. per application</li> <li>Total yearly application rate of 1.7 lbs per 1,000 sq. ft.</li> <li>Retreatment interval = 7 days</li> <li>PHI= 3 days (succulents)</li> <li>PHI = 21 days (dried)</li> <li>PHI= 14 days (forage)</li> <li>PHI = 21 days (hay)</li> <li>Use on succulent peas and beans are prohibited.</li> <li>Do not apply more than 4 times allowed per year per year.</li> </ul>
Garden beets (roots), carrots, horseradish, radish, parsnip, rutabaga, salsify, turnips (roots)	<ul style="list-style-type: none"> <li>Single application rate of 0.6 lbs per 1,000 sq. ft. per application</li> <li>Total yearly application rate of 1.7 lbs per 1,000 sq. ft.</li> <li>Retreatment interval = 7 days</li> <li>PHI= 7 days</li> <li>Total number of applications allowed per year is 3</li> </ul>



Mustard greens	<ul style="list-style-type: none"> <li>• Single application rate of 0.4 lb per 1,000 sq.ft. per application</li> <li>• Total yearly application rate of 1.7 lb per 1,000 sq.ft.</li> <li>• Retreatment interval = 14 days</li> <li>• PHI = 14 days</li> <li>• Total number of applications allowed per year is 3</li> </ul>
Brussels sprouts, broccoli, cabbage, cauliflower, Chinese cabbage, collards, kale, kohlrabi	<ul style="list-style-type: none"> <li>• Single application rate of 0.6 lbs per 1,000 sq. ft. per application</li> <li>• Total yearly application rate of 2.4 lbs per 1,000 sq. ft.</li> <li>• Retreatment interval = 7 days</li> <li>• PHI = 3 days (Brussels sprouts, broccoli, cabbage, kohlrabi, cauliflower)</li> <li>• PHI= 14 days (Chinese cabbage, kale, collards)</li> <li>• Total number of applications allowed per year is 4</li> </ul>
Corn (sweet)	<ul style="list-style-type: none"> <li>• Single application rate of 0.6 lbs per 1,000 sq. ft. per application</li> <li>• Total yearly application rate of 2.4 lbs per 1 000 sq. ft.</li> <li>• The maximum annual amount is 8lbs ai/acre/year</li> <li>• Retreatment interval = 3 days</li> <li>• PHI = 2 days (ears)</li> <li>• PHI= 14 days (forage)</li> <li>• PHI= 48 days (fodder)</li> <li>• The maximum number of applications allowed per year is 4.</li> <li>• Hand-detasseling is prohibited.</li> </ul>
Cucumber, melon, squash	<ul style="list-style-type: none"> <li>• Single application rate of 0.3 lbs per 1,000 sq. ft. per application</li> <li>• Total yearly application rate of 1.7 lbs per 1,000 sq. ft.</li> <li>• The maximum annual amount is 4 lbs. ai/acre/year.</li> <li>• Retreatment interval = 7 days</li> <li>• PHI= 3 days</li> <li>• The maximum number of applications allowed per year is 4</li> </ul>
Potato	<ul style="list-style-type: none"> <li>• Single application rate of 0.6 lbs per 1,000 sq. ft. per application</li> <li>• Total yearly application rate of 1.7 lbs per 1,000 sq. ft.</li> <li>• Retreatment interval = 7 days</li> <li>• PHI= 7 days</li> <li>• Total number of applications allowed per year is 3</li> </ul>
Strawberry	<ul style="list-style-type: none"> <li>• Single application rate of 0.6 lbs per 1,000 sq. ft. per application</li> <li>• Yearly application rate is 2.4 lbs. per 1,000 sq ft.</li> <li>• The maximum annual amount is 8lbs ai/acre/year</li> <li>• Retreatment interval = 7 days</li> <li>• PHI= 7 days</li> <li>• Maximum number of applications allowed per year is 4</li> <li>•</li> </ul>
Tomato, pepper, eggplant	<ul style="list-style-type: none"> <li>• Single application rate of 0.6 lbs per 1,000 sq. ft. per application</li> <li>• Total yearly application rate of 2.4 lbs per 1,000 sq. ft.</li> <li>• Retreatment interval = 7 days</li> <li>• PHI= 3 days</li> <li>• Maximum number of applications allowed per year is 4</li> </ul>

**STORAGE AND DISPOSAL**

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

**PESTICIDE STORAGE:** Keep out of reach of children and animals. Store in original container only.

Store in cool, dry place and avoid excess heat.

**PESTICIDE DISPOSAL:** Wastes resulting from the use of the 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. Completely empty bag into application equipment. The dispose of empty bag in a sanitary landfill or by incineration, or if allowed by State and local authorities, by burning. If burned, stay out of smoke.

<b>Spreader Settings</b> These spreader settings are not intended to replace calibration. Please calibrate your spreader before applying product. XX lbs. treats X,XXX sq. ft. at the 74 lbs. product/acre - LOW RATE (1.7 lbs./1,000 sq. ft. rate) XX lbs. treats X XXX sa. ft. at the 105 lbs. product/acre - HIGH RATE (2.4 lbs./1,000 sa. ft. rate)				
SPREADER	GROUND SPEED	WIDTH OF COVERAGE	SPREADER SETTINGS	
			LOW RATE 5.92 lbs. ai/A	HIGH RATE 8.36 lbs. ai/A
AA	X mph	XX ft	X	X
BB	X mph	XX ft	X	X
CC	X mph	XX ft	X	X

Note: This list of spreaders and settings will vary dependent on market availability of spreaders. (this note will not appear on final label)

Note: Calibrate spreader equipment at the time of application to achieve the specified application rate.

This product may be applied only by properly calibrated drop or broadcast spreader. Do not apply by hand, spoon treatment or belly grinder.

**IMPORTANT: READ BEFORE USE:**

Read the entire Directions for Use and the Warranty Disclaimer and Limitation before using this product. If terms are not acceptable, return the unopened container at once. By using this product, user or Buyer accepts the following Warranty Disclaimer and Limitation of Liability.

**WARRANTY DISCLAIMER and LIMITATION LIABILITY**

Manufacturer warrants that this product conforms to the chemical description on the label and is reasonably fit for the purposes stated on the label when used in strict accordance with the directions. Manufacturer makes NO OTHER EXPRESS OR IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. To the extent consistent with applicable law. It is Manufacturer's intent to LIMIT ANY LIABILITY FOR SPECIAL, CONSEQUENTIAL, OR INCIDENTAL ECONOMIC DAMAGES to refund of purchase price or replacement of product at Buyer's choice. To the extent consistent with applicable law, Manufacturer DISCLAIMS ANY LIABILITY FOR COMPENSATORY OR OTHER DAMAGES ARISING OUT OF ANY USE CONTRARY TO LABEL DIRECTIONS. Use contrary to label directions is not permitted.

**LEGAL RIGHTS:**

THIS LIMITED WARRANTY GIVES YOU SPECIFIC LEGAL RIGHTS; YOU MAY HAVE OTHER RIGHTS THAT VARY FROM STATE/JURISDICTION TO STATE/JURISDICTION.

Manufactured by:  
The Andersons, Inc.  
P.O. Box 119  
Maumee, OH 43537

*{Internal use only will not be printed on final label}*

Date Printed	5/17/2024
Date Approved	
Supersedes	6/26/2011
Label Change	Amendment – BiOp Changes
Filename	9198-146C
Label code	Revamend05172024

I {Subpart B – HomeOwner Use}

CARBARYL	GROUP	1A	Insecticide
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## THE ANDERSONS 8.0% GRANULAR CARBARYL

*{Optional marketing claims for subregistrant:}*

- Kills white grubs, sod webworms, chinch bugs, ant and over 20 insects
- Use on lawns and ornamentals plantings

**Active Ingredient**

Carbaryl (1-naphthyl N-methylcarbamate) ..... 8.0%

**Inert Ingredients:** ..... 92.0%

**Total:** .....100.00%

EPA Reg No. 9198-146

EPA Est No. 9198-OH-1M, 9198-OH-2B, 9198-AL-001A

Underlined letter is the first used in run code on bag

*{Optional marketing claims:}*

For lawns

Soil & Turf Insect Kill

**KEEP OUT OF REACH OF CHILDREN**

## CAUTION

**See Back Panel for Additional Precautionary Statements**

NET WEIGHTS \_\_ LBS.

TREATS UP TO \_\_\_\_ SQ.FT

# THE ANDERSONS 8.0% GRANULAR CARBARYL

## PRECAUTIONARY STATEMENTS

### HAZARDS TO HUMANS AND DOMESTIC ANIMALS

## CAUTION

HARMFUL IF SWALLOWED, INHALED OR ABSORBED THROUGH THE SKIN. Avoid contact with eyes, skin or clothing. Wear long-sleeved shirt and long pants, and shoes and socks, and chemical-resistant gloves when handling this product. Remove clothing immediately if pesticide gets inside. The wash and put on clean clothing. Wash hands thoroughly before eating, drinking, chewing gum, tobacco or using the toilet. Remove contaminated clothing before reuse.

#### First Aid

##### Carbaryl is an N-Methyl Carbamate Insecticide

If swallowed	Call a poison control center or doctor 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 by mouth to an unconscious person.
If inhaled	Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth if possible. Call a poison control center or doctor for treatment advice.
If on skin	Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control center or doctor for treatment advice.
If in eyes	Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contacts, 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. You may also contact 1-800-757-8951 for emergency medical treatment information.	
<b>NOTE TO PHYSICIAN:</b> Carbaryl is a 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	

#### ENVIRONMENTAL HAZARDS

This product is extremely toxic to aquatic invertebrates. Do not apply directly to water or to allow drift to water. **BEE CAUTION: MAY KILL HONEYBEES AND OTHER BEES.** This product is highly toxic to honeybees and other bees. Do not apply to plants in bloom. To protect the environment, do not allow pesticide to enter or run off into storm drains, drainage ditches, gutters or surface waters. Applying this product in calm weather when rain is not predicted for the next 48 hours will help to ensure that wind or rain does not blow or wash pesticide off the treatment area. Sweeping any product that lands on a driveway, sidewalk, or street, back onto the treated area of the lawn or garden will help to prevent run off to water bodies or drainage systems. **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 contaminate water when disposing of equipment washwater or rinsate. Drift and runoff may be hazardous to aquatic organisms in water adjacent to treated areas.

#### DIRECTIONS FOR USE

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

To treat insects harbored in voids and cracks-and-crevices, applications must be made in such a manner to limit dripping and avoid runoff onto untreated structural surfaces and plants.

**Read entire label before using this product.**

**REPORTING ECOLOGICAL INCIDENTS:** For guidance on reporting ecological incidents, including death, injury, or harm to plants and animals, including bees and other non-target insects, see EPA's Pesticide Incident Reporting website: <https://www.epa.gov/pesticide-incidents> or call (1-800-757-8951).

**RESISTANCE MANAGEMENT:** For resistance management, The Andersons 8.0% Granular Carbaryl contains a Group 1A insecticide. Any insect population may contain individuals naturally resistant to The Andersons 8.0% Granular Carbaryl and other Group 1A insecticides. The resistant individuals may dominate the insect population if this group of 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 The Andersons 8.0% Granular Herbicide or other Group 1A insecticides within a growing season, or among growing seasons, with different groups that control the same pests. A void application of more than 4 times and consecutive applications of The Andersons 8.0% Granular Herbicide or other insecticides in the same group in a season.
- 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 a 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 insect resistance management benefits of an insecticide 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.
- 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 or certified crop advisors 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 The Andersons, Inc. at 1-800-757-8951.

Do not apply during rain. Do not apply when soil in the area to be treated is saturated (if there is standing water on the field or if water can be squeezed from soil) or if NOAA/National Weather Service predicts a total rainfall of 1 inch or greater over the 48 hours following the day of application, only considering a 48-hour period when, at any point during the 48-hour period, the precipitation potential is 50% or greater. Detailed National Weather Service forecasts for local weather conditions should be obtained on-line at: [www.weather.gov](http://www.weather.gov) or by contacting your local National Weather Service Forecasting Office.

Do not apply within 25 feet of aquatic habitats (such as, but not limited to, lakes, reservoirs, rivers, permanent streams or ephemeral streams when water is present, wetlands or natural ponds, estuaries, and commercial fish farm ponds).

All outdoor applications, unless 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, lawn, turf, or vegetation;
2. Perimeter band treatments of 6 ft wide or less from the base of a man-made structure to pervious surfaces (e.g., soil, mulch, or lawn);
3. Applications around potential exterior pest entry points into man-made structures such as doorways and windows, when limited to a band not to exceed one inch;
4. Applications to vertical surfaces directly above pervious surfaces, such as bare soil, lawn, turf, mulch or other vegetation, that do not drain into ditches, storm drains, gutters, or surface waters.

Spot treatments must not exceed two square feet in size (for example, 2 ft. by 1 ft. or 4 ft. by 0.5 ft).

Do not apply the product into fish pools, ponds, streams, or lakes. Do not apply directly to sewers or storm drains, or to any area like a drain or 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 directly to impervious horizontal surfaces such as sidewalks, driveways, and patios except as a spot or crack-and-crevice treatment.

Do not apply to vertical surfaces directly above pervious or impervious surfaces that drain into ditches, storm drains, gutters, or surface waters.

Do not apply or irrigate to the point of runoff.

#### RESTRICTIONS

Do not apply more than 4 times allowed per year

The minimum reapplication interval is seven days.

Do not apply by hand, spoon or belly grinder.

For outdoor use only.

Apply using ground equipment.

Not for use on plants being grown for sale or other commercial use or for commercial seed production, or for research purposes.

Do not apply this product in a way that will contact any person or pet, either directly or through drift. Keep people and pets out of the area during application. This product may be applied only by broadcast or drop type spreaders. Do not apply by hand, spoon or belly grinder.

Do not enter or allow others to enter the treated area until dusts have settled. Product must be watered in immediately following application. For outdoor use only. Do not enter or allow others to enter treated lawns or turf(except those persons involved in the application and watering) until the watering-in is complete and until the surface is dry after the watering-in.

#### LAWNS

To kill turfgrass pests, apply granules uniformly to the turf grass. Follow specific directions for proper application and irrigation.

This product will kill only target pests present at the time of application. Pests must be directly contacted to be effective. The maximum annual amount is 10 lbs. ai/acre/year.

Pest	Pounds of Product per 1,000 sq.ft	Comments
Ants (except harvester, pharaoh and carpenter ants), Armyworms, Centipedes, Chiggers, Chinch Bugs, Cutworms, Earwigs, Essex Skipper, European Chafer, Fall Armyworm, Fiery Skipper, Grasshoppers, Green June Beetle Larvae, Leafhoppers, Lucerne Moth, Millipedes, Mosquitoes (young), Scarab Beetle Adults: such as May Beetle, June Beetle, Japanese Beetle, Green June Beetle, Sod Webworm (lawn moths), Sowbugs, Spittlebugs, Sorinetails, Yellowstrioed Armworms	2.25	Product must be watered in immediately following application. For heavy infestations of Chinch bugs, increase rate to 5 lbs. per 1,000 sq. ft. and treat the entire area. To effectively kill subsurface pests, apply when insects are actively feeding near the soil surface, usually during late March through May, or July through early September, or as guided by local agricultural extension service agents.
Billbug Larvae, European Crane Fly Larvae, Fleas, White Grubs: Such as Japanese Beetle Larvae, Chafer Beetle Larvae, Phyllophaga spp. Larvae, Annual White Grubs, Black Turfgrass Ataenius Beetle Larvae, Hyperodoes Weevil (Bluegrass Weevil Larvae)	2.4	
Scorpions	1.7	
Flea	1.7-2.4	

#### NUISANCE PEST KILL IN AND AROUND FLOWER BEDS AND ORNAMENTAL PLANTINGS AND AROUND OUTSIDE OF HOME

To kill Ants (except pharaoh ants carpenter ants), Armyworms, Centipedes, Crickets, Cutworms, Earwigs, Firebrats, Silverfish, Fleas, Millipedes, Sowbugs, Scorpions, and Spiders; Apply 2.4 lbs. of this product per 1,000 sq. ft. Product must be watered in immediately after application.

Repeat applications as necessary, but no more than once every week, and no more than four times allowed per year. Will only kill pests present at the time of application and directly contacted by the granule. Do not apply more than 4 times per year. The minimum reapplication interval is seven days.

# HOME FRUIT AND VEGETABLE GARDENS

To Kill Ants(except pharoah ants and carpenter ants), Centipedes, Crickets, Cutworms, Earwigs, Grasshoppers, Millipedes, Sowbugs(Pillbugs), Springtails, refer to the Use Rate chart below for application directions. Apply specified rate of product evenly over the soil surface. Water lightly after the application to release the chemical from the granules. Applications may be made at any time before, during and after the growing season, unless otherwise indicated. If applying during the growing season, observe indicated pre-harvest intervals (PHI). Do not apply within the numbers of days indicated in the commodity's PHI before harvesting.

## Use rate for The Andersons 8.0% Granular Carbaryl

Commodity	Use Rate
Asparagus	<p><b>Application to Spears:</b></p> <ul style="list-style-type: none"> <li>Single application rate 0.35 lbs per 1,000 sq. ft .</li> <li>PHI is one day</li> <li>Repeat applications up to 4 times prior to harvest</li> <li>Retreatment interval = 7 days</li> </ul> <p><b>Application to Ferns (after harvest of spears):</b></p> <ul style="list-style-type: none"> <li>Single application rate 0.6 lbs per 1,000 sq. ft .</li> <li>Retreatment interval = 7 days</li> <li>Do not exceed a maximum number of 4 applications per year pre- and cost- combined</li> </ul>
Dried shelled beans and peas including: field bean, kidney bean, lima bean (dry),navy bean, pinto bean, adzuki bean, blackeyed pea, cowpea, mung bean, southern pea, lentil( dry).	<ul style="list-style-type: none"> <li>Single application rate 0.4 lbs per 1,000 sq. ft. per application</li> <li>Total yearly application of 1.7 lbs per 1,000 sq. ft .</li> <li>Retreatment interval = 7 days</li> <li>PHI = 3 days (edible-podded)</li> <li>PHI = 21 days (dried)</li> <li>Maximum number of applications can be 4</li> <li>Use on succulent peas and beans is prohibited .</li> <li>Do not apply more than 4 times per year</li> </ul>
Garden beets (roots), carrots, horseradish, radish, parsnip, rutabaga, salsify, turnips (roots)	<ul style="list-style-type: none"> <li>Single application rate 0.6 lbs per 1,000 sq. ft per application</li> <li>Total yearly application of 1. 7 lbs per 1,000 sq. ft .</li> <li>Retreatment interval = 7 days</li> <li>PHI= 7 days</li> <li>Maximum number of applications allowed per year is 3</li> </ul>
Brussels sprouts, broccoli, cabbage, cauliflower, Chinese cabbage, collards, kale, kohlrabi, mustard greens	<ul style="list-style-type: none"> <li>Single application rate 0.6 lbs per 1,000 sq. ft. per application</li> <li>Total yearly application of 2.4 lbs per 1,000 sq. ft .</li> <li>Retreatment interval = 7 days</li> <li>PHI = 3 days (Brussels sprouts, broccoli, cabbage, kohlrabi, cauliflower)</li> <li>PHI = 14 days (Chinese cabbage, kale, collards)</li> <li>Maximum number of applications allowed per year is 4</li> </ul>
Cucumber, melon, squash	<ul style="list-style-type: none"> <li>Single application rate 0.3 lbs per 1,000 sq. ft. per application</li> <li>Total yearly application of 1.7 lbs per 1,000 sq. ft .</li> <li>The maximum annual amount is 4 lbs. ai/acre/year.</li> <li>Retreatment interval = 7 days</li> <li>PHI= 3 days</li> <li>Maximum number of applications per year can be 4</li> </ul>
Garden beets (tops), turnips (tops)	<ul style="list-style-type: none"> <li>Single application rate 0.6 lbs per 1,000 sq. ft. per application</li> <li>Total yearly application of 1. 7 lbs per 1,000 sq. ft .</li> <li>Retreatment interval = 7 days</li> <li>PHI= 14 days</li> <li>Maximum number of applications can be 3</li> </ul>
Potatoes	<ul style="list-style-type: none"> <li>Single application rate 0.6 lbs per 1,000 sq. ft. per application</li> <li>Total yearly application of 1.7 lbs per 1,000 sq.ft. (6 lb ai/acre)</li> <li>Retreatment interval = 7 days</li> <li>PHI = Interval</li> <li>Maximum numbers of applications allowed per year is 3</li> </ul>
Strawberry	<ul style="list-style-type: none"> <li>Single application rate of 0.6 lbs per 1,000 sq.ft. per application</li> <li>Total yearly application permitted is 2.4 lbs per 1,000 sq. ft.</li> <li>The maximum annual amount is 8 lbs. ai/acre/year.</li> <li>Maximum number of applications per year is 4</li> <li>Retreatment interval = 7 days</li> <li>PHI = 7 days</li> </ul>

Tomato, pepper, eggplant	<ul style="list-style-type: none"><li>• Single application rate of 0.6 lbs per 1,000 sq.ft. per application</li><li>• Total yearly application of 2.4 lbs per 1,000 sq. ft.</li><li>• Retreatment interval = 7 days</li><li>• PHI = 3 days</li><li>• Maximum number of applications per year can be 4</li></ul>
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## STORAGE AND DISPOSAL

**STORAGE:** Store unused product in original container only, in cool, dry area out of the reach of children and animals. Keep container closed and away from food, feedstuffs and domestic water supplies. Do not store in areas where temperatures frequently exceed 100° F

### DISPOSAL:

If empty: Nonrefillable container. Do not reuse or refill this container. Offer for recycling, if available.

If partly filled: Call your local solid waste agency for disposal instructions. Never place unused product down any indoor or outdoor drain.

### SPREADER SETTINGS:

{available at final printing}

**IMPORTANT :** The above spreader settings are approximate. Differences may occur due to the condition of the spreader, speed at which applied and roughness of terrain. Calculate the size of the area to be treated and do not over or under apply. Accurately weigh a few pounds into your spreader and apply to a measured area. Then adjust the spreader setting, if necessary, in order to assure correct rate of application. Close spreader when filling, stopping, or turning, do not hand spread.

### Broadcast spreaders

For best results, apply in circular path starting on the outside and working toward the center. A little overlap of product will ensure complete coverage. [diagram of path] [listing of settings]

### Drop spreaders

First apply 2 border strips along the edge of each of the end of the each lawn. Then apply product along the length of the lawn, overlapping slightly and shutting off the spreader before turning as you reach the edge of the border strips. [diagram of path] [listing of settings]

To determine square footage of application area, follow calculation chart. [lawn/turf diagram]

\_\_\_ length X \_\_\_ width = \_\_\_ Total sq. ft. – \_\_\_ Lawn areas = Total sq. ft.

### IMPORTANT: READ BEFORE USE:

Read the entire Directions for Use and the Warranty Disclaimer and Limitation of liability before using this product. If terms are not acceptable, return the unopened product container at once. By using this product, user or Buyer accepts the following Warranty Disclaimer and Limitation of Liability:

#### WARRANTY DISCLAIMER and LIMITATION of LIABILITY:

Manufacturer warrants that this product conforms to the chemical description on the label and reasonably fit for the purposes stated on the label when used in strict accordance with the directions. Manufacturer makes NO OTHER EXPRESS OR IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. To the extent consistent with applicable law, it is Manufacturer's intent to LIMIT ANY LIABILITY FOR SPECIAL, CONSEQUENTIAL OR INCIDENTAL ECONOMIC DAMAGES to refund of purchase price or replacement of product, at Buyer's choice. To the extent consistent with applicable law. Manufacturer DISCLAIMS ANY LIABILITY FOR COMPENSATORY OR OTHER DAMAGES ARISING OUT OF ANY USE CONTRARY TO LABEL DIRECTIONS. Use contrary to label directions is not permitted.

### LEGAL RIGHTS:



THIS LIMITED WARRANTY GIVES YOU SPECIFIC LEGAL RIGHTS; YOU MAY HAVE OTHER RIGHTS THAT MAY VARY FROM STATE/JURISDICTION TO STATE/JURISDICTION.

Manufactured by:

The Andersons, Inc.  
P.O. BOX 119  
Maumee, OH 43537

*{Optional for subregistrant}*

[My Pledge of Satisfaction: We have made every effort in the formulation of this product to insure that you will be satisfied with the results. If for any reason, you are not satisfied, please write and describe the problem. Our lawn and turf specialists will make every effort to assure your success.

Visit our website at {website address}

Application Timing Chart											
Jan.	Feb.	March	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
		↓	↓	↓	↓	↓	↓				
{diagram of movement of grub}											
Grub Life Cycle											

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*{Internal use only will not be printed on final label}*

<b>Date Printed</b>	06/26/2024
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<b>Supersedes</b>	06/26/2011
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<b>Filename</b>	9198-146H
<b>Label Code</b>	Revamend062624