

RESTRICTED USE PESTICIDE

Due to Toxicity to Aquatic Invertebrates

For retail sale to and use only by Certified Applicators or persons under their direct supervision and only for those uses covered by the Certified Applicator's certification.



DEFCON[®]
GRANULAR INSECTICIDE

4.67G

For use in Field Corn, Seed Corn, Sweet Corn and Popcorn to control Corn Rootworm Larvae, Cutworms, Wireworms, Seedcorn Maggots, Seedcorn Beetles and White Grubs.

ACTIVE INGREDIENTS:

Tebupirimphos: O-[2-(1,1-Dimethylethyl)-5-pyrimidinyl]-O-ethyl O-(1-methylethyl) phosphorothioate 4.45%
Cyfluthrin: Cyano(4-fluoro-3-phenoxyphenyl)-methyl 3-(2,2-dichloroethenyl)-2,2-dimethylcyclopropanecarboxylate 0.22%

INERT INGREDIENTS: 95.33%

TOTAL: 100.00%

STOP – READ ENTIRE LABEL BEFORE USE

KEEP OUT OF REACH OF CHILDREN

WARNING – AVISO

PRECAUCION AL USUARIO: Si usted no entiende la etiqueta, busque a alguien para que se la explique a usted en detalle.
(**TO THE USER:** If you do not understand the label, find someone to explain it to you in detail.)

FIRST AID

Contains an organophosphate that inhibits cholinesterase

If swallowed:	<ul style="list-style-type: none"> • 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 in eyes:	<ul style="list-style-type: none"> • Hold eye open and rinse slowly and gently with water for 15-20 minutes. • Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. • Call a poison control center or doctor for treatment advice.
If on skin or clothing:	<ul style="list-style-type: none"> • 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 inhaled:	<ul style="list-style-type: none"> • 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 further treatment advice.

EMERGENCY INFORMATION

Have the product container or label with you when calling a poison control center or doctor, or going for treatment.

FOR THE FOLLOWING EMERGENCIES, PHONE 24 HOURS A DAY:

For Medical Emergencies phone: 1-800-424-9300

For Transportation Emergencies, including spill, leak or fire, phone: CHEMTREC® 1-800-424-9300

For Product Use Information, phone: HELENA 1-901-761-0050

NOTE TO PHYSICIAN

ANTIDOTE: Administer atropine sulfate in large therapeutic doses. Repeat as necessary to the point of tolerance. 2-PAM is also antidotal and may be administered in conjunction with atropine. Compound inhibits cholinesterase resulting in stimulation of the central nervous system, the parasympathetic nervous system, and the somatic motor nerves. Do not give morphine. Watch for pulmonary edema, which may develop in serious cases of poisoning even after 24-48 hours. At first sign of pulmonary edema, the patient should be placed in an oxygen tent and treated symptomatically.

SEE SIDE/BACK PANEL FOR ADDITIONAL PRECAUTIONARY STATEMENTS AND DIRECTIONS FOR USE.

EPA Reg. No. 5481-9028-5905
EPA Est. No.: 5905-GA-001

NET CONTENTS: 50 lbs.
AD 020215

MANUFACTURED FOR
HELENA CHEMICAL COMPANY
225 SCHILLING BOULEVARD, SUITE 300
COLLIERVILLE, TENNESSEE 38017

Disclaimer: Always refer to the label on the product before using Helena or any other product.

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

WARNING: May be fatal if swallowed. Harmful if inhaled or absorbed through skin. Causes moderate eye irritation. Avoid breathing vapor or dust. Avoid contact with skin, eyes or clothing.

PERSONAL PROTECTIVE EQUIPMENT (PPE)

All loaders and any handlers engaged in activities such as cleaning up a spill or leak and cleaning or repairing contaminated equipment, must wear:

- chemical-resistant coveralls over long-sleeve shirt and long pants,
- chemical-resistant gloves made of Barrier Laminate, Butyl Rubber > 14 mils, Nitrile Rubber > 14 mils, Neoprene Rubber > 14 mils, Polyethylene, Polyvinyl Chloride (PVC) > 14 mils, or Viton > 14 mils, chemical-resistant footwear plus socks,
- chemical-resistant apron, and
- A NIOSH-approved dust mist filtering respirator with MSHA/NIOSH approval number prefix TC-21C or a NIOSH-approved respirator with any N, R, P, or HE filter.

Applicators using an enclosed cab must wear:

- Long-sleeved shirt and long pants, and
- Shoes plus socks

See **Engineering Controls** for additional 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.

ENGINEERING CONTROL STATEMENTS

Applicators must use an enclosed cab that meets the definition in the Worker Protection Standard for Agricultural Pesticides [40 CFR 170.240(d)(5)] for dermal protection. In addition, applicators must:

- wear the PPE required in the PPE section of this product labeling for applicators using engineering controls,
- be provided, must have immediately available, and must wear in an emergency, when they must exit the cab in the treated area, the PPE specified in the PPE section of this labeling for spill clean-up. 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.

USER SAFETY RECOMMENDATIONS

Users should:

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

ENVIRONMENTAL HAZARDS

This pesticide is toxic to fish and wildlife. 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 washwaters.

When used on erodible soils, best management practices for minimizing runoff should be employed. Consult your local Natural Resources Conservation Service for recommendations in your use area. For applications made within 20 yards of water (lakes, reservoirs, rivers, permanent streams, marshes, estuaries, natural ponds, or ponds used for commercial fishing), apply as an in-furrow application only.

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, 40 CFR part 170. This Standard contains requirements for the protection of agricultural workers on farms, forests, nurseries, and greenhouses, and handlers of agricultural pesticides. It contains requirements for training, decontamination, and emergency assistance. It also contains specific instructions and exceptions pertaining to the statements on this label about personal protective equipment (PPE), notification to workers, and restricted-entry interval. 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 48 hours. The REI is 72 hours where average rainfall is less than 25 inches per year.

Exception: If the product is soil injected or soil incorporated, the Worker Protection Standard under certain circumstances, allows workers to enter the treated area without restrictions if there will be no contact with anything that has been treated.

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:

- Coveralls over long-sleeved shirt and long pants,
- Chemical-resistant gloves made of Barrier Laminate, Butyl Rubber > 14 mils, Nitrile Rubber > 14 mils, Neoprene Rubber > 14 mils, Polyethylene, Polyvinyl Chloride (PVC) > 14 mils, or Viton > 14 mils,
- Chemical resistant footwear plus socks,
- Protective eye wear

Notify workers of the application by warning them orally and by posting warning signs at entrances to treated areas.

RESTRICTIONS:

- For use only in the states of: Arkansas, Colorado, Idaho, Illinois, Indiana, Iowa, Kansas, Kentucky, Michigan, Minnesota, Missouri, Montana, Nebraska, Nevada, New Mexico, North Dakota, Ohio, Oklahoma, Pennsylvania, South Dakota, Tennessee, Utah, Vermont, West Virginia, Wisconsin, and Wyoming.
- Do not use on other crops grown for food or forage.
- Corn may be replanted any time after application of DEFCON® 4.67G. All other crops may be planted 30 days after application.

Herbicide Compatibility Information

DEFCON® 4.67G is not systemic and will not interact with corn herbicides. It will not affect seed germination, seedling emergence, and crop development when applied per the label directions at planting.

APPLICATION RATES

CROP	PEST	DOSAGE
FIELD CROPS Field Corn Sweet Corn Popcorn Corn grown for seed or silage (Including Bt and non-Bt corn)	Corn rootworm larvae (Northern, Western, Southern, Mexican) Cutworms Wireworms Seedcorn maggot Seedcorn beetle White grubs	3.0 ounces per 1,000 feet of row

REMARKS:

BAND – Apply specified dosage at planting as a 7-inch band over the row behind the press wheel. Granules must be incorporated to a depth of at least one inch using tines, chains, or other suitable equipment.

T-BAND – Apply specified dosage at planting as a T-Band over the row behind the planter shoe and in front of the press wheel. Granules must be soil incorporated to a depth of at least one inch.

IN-FURROW – Apply specified dosage at planting directly into the seed furrow behind the planter shoe and in front of the press wheel. Granules must be soil incorporated to a depth of at least one inch.

APPLICATION – For control of cutworms apply DEFCON® 4.67G as a Band or T-Band application. For best performance on corn rootworm larvae, wireworms, seedcorn maggot, seedcorn beetle, and white grubs in-furrow or T-band application of DEFCON® 4.67G is recommended.

RESTRICTIONS:

- Do not apply more than 3.27 pounds DEFCON® 4.67G per acre (0.15 lbs. ai/A) per crop season.

Row Spacing (inches)	Pounds per Acre
30	3.27
32	3.06
34	2.89
36	2.72
38	2.58
40	2.45

- For no-till corn where runoff drains into adjacent or neighboring aquatic sites (lakes, reservoirs, rivers, permanent streams, marshes, estuaries, natural ponds, or ponds used for commercial fishing), apply DEFCON® 4.67G as an in-furrow or T-Band application only.
- For applications made within 20 yards of aquatic sites (lakes, reservoirs, rivers, permanent streams, marshes, estuaries, natural ponds, or ponds used for commercial fishing), apply as an in-furrow application only.
- Cover or incorporate spills (including end row spillage).
- This product must be soil incorporated to a depth of at least one inch.

APPROXIMATE GUAGE SETTINGS FOR DEFCON® 4.67G INSECTICIDE APPLICATION

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Note: Calibrate application equipment accurately prior to application of DEFCON® 4.67G. Use the settings suggested below as starting points to calibrate for a rate of 3.0 oz. per 1000 row ft. Check and monitor the flow based on the length of row or acreage and adjust settings as necessary for proper calibration. In addition, check calibration during planting operations to make sure that equipment wear or other changes have not affected flow rates.

APPLICATION EQUIPMENT	SPEED IN MPH				
	4	5	6	7	8
Case International Harvester™ (one gauge per hopper; Gate/Dial) - Older	1/4	1/6	1/7	1/8	2/0
Case International Harvester™ (two gauges per hopper; Gate/Dial) - Newer	1/1	1/2	1/3	1/4	1/5
John Deere® MaxEmerge™ 2 (Models 7200-7300) and 1760 Conservation Planter	11	13	14	16	17
John Deere® MaxEmerge™ (Models 7000 and 7100) (Odd Notches 5-15-25-35-45)	7	8	10	12	13
John Deere® MaxEmerge™ (Models 7000 and 7100) (Even Notches 0-10-20-30-40)	7	9	11	12	14
John Deere® MaxEmerge™ Plus	10	12	14	16	18
Gandy® (snap-on and bolt-on bottom models)	13	15	16	17	19
Kinze® (2600 Series & Newer)	6	8	9	11	13
White™ (5100 Series)	6	7	8	9	10
White™ (6100 Series)	6	8	9	10	12

STORAGE AND DISPOSAL

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

PESTICIDE STORAGE: Store in a cool, dry place and in such a manner as to prevent cross contamination with other pesticides, fertilizers, food, and feed. Store in original container and out of the reach of children, preferably in a locked storage area.

HANDLING AND SPILLAGE: Handle and open container in a manner as to prevent spillage. If the container is leaking or material spilled for any reason or cause, carefully sweep material into a pile. Do not walk through spilled material. In spill or leak incidents, keep unauthorized people away. Dispose of pesticide as directed in the Pesticide Disposal section. Refer to Precautionary Statements on label for hazards associated with the handling of this material. You may contact Helena Chemical Company for decontamination procedures or any other assistance that may be necessary. The Helena Chemical Company Telephone No. is 1-901-761-0050.

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

CONTAINER HANDLING: Non-refillable container. Do not reuse or refill this container. Completely empty bag into application equipment. 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.

LIMITED WARRANTY AND DISCLAIMER

The manufacturer warrants (a) that this product conforms to the chemical description on the label; (b) that this product is reasonably fit for the purposes set forth in the directions for use, subject to the inherent risks referred to herein, when it is used in accordance with such directions; and (c) that the directions, warnings, and other statements on this label are based upon responsible experts' evaluations of reasonable tests of effectiveness, of toxicity to laboratory animals and to plants and residues on food crops, and upon reports of field experience. Tests have not been made on all varieties of food crops and plants, or in all states or under all conditions.

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