

RESTRICTED USE PESTICIDE
DUE TO TOXICITY TO FISH AND AQUATIC ORGANISMS
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.

GROUP **3** INSECTICIDE



High-Load Granular Insecticide for Use to Control Soil Insects in Field Corn, Popcorn, Seed Corn, and Sweet Corn

Active Ingredient:	
Tefluthrin*:	10.0%
Other Ingredients**:	90.0%
Total:	100.0%

*Tefluthrin is a synthetic pyrethroid, CAS No. 79538-32-2.
**Contains petroleum distillates.

Force® 10G HL Insecticide contains 10 pounds of tefluthrin per 100 pounds of formulated granular insecticide.

KEEP OUT OF REACH OF CHILDREN.
WARNING/AVISO

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

See additional precautionary statements and directions for use on bag [in booklet].

EPA Reg. No. 100-1615-5481 EPA Est. No. _____

Net Contents: _____



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TABLE OF CONTENTS

1.0 FIRST AID

2.0 PRECAUTIONARY STATEMENTS

2.1 Hazards to Humans and Domestic Animals

2.2 Personal Protective Equipment (PPE)

2.3 Environmental Hazards

3.0 PRODUCT INFORMATION

3.1 Resistance Management

4.0 APPLICATION DIRECTIONS

4.1 Methods of Application

4.2 Application Equipment

5.0 ROTATIONAL CROP RESTRICTIONS

6.0 RESTRICTIONS AND PRECAUTIONS

6.1 Use Restrictions

6.2 Use Precautions

7.0 CROP USE DIRECTIONS

8.0 STORAGE AND DISPOSAL

9.0 CONDITIONS OF SALE AND LIMITATION OF WARRANTY AND LIABILITY

10.0 APPENDIX

10.1 Force 10G HL Smartcartridge Insecticide Use Summary Table

1.0 FIRST AID

FIRST AID	
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 by mouth-to-mouth, if possible.• Call a poison control center or doctor for further treatment advice.
If swallowed	<ul style="list-style-type: none">• Call poison control center or doctor immediately for treatment advice.• Do not give any liquid to the person.• Do not induce vomiting unless told to do so by the 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.
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:1-888-681-4261 For Transportation Emergencies, including spill, leak or fire, phone: CHEMTREC®1-800-424-9300 For Product Use Information phone: AMVAC®1-888-462-6822	
NOTE TO PHYSICIAN	
Contains petroleum distillates. Vomiting may cause aspiration pneumonia.	

2.0 PRECAUTIONARY STATEMENTS

2.1 Hazards to Humans and Domestic Animals

WARNING/AVISO

Contains Petroleum Distillates

May be fatal if inhaled. Do not breathe dust. Harmful if swallowed. Causes moderate eye irritation. Avoid contact with eyes or clothing. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco or using toilet. Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals. Remove and wash contaminated clothing before reuse. Wear protective eyewear if appropriate. Wear long-sleeved shirt and long pants, socks, shoes, and gloves. Skin exposure may result in a transient sensation described as a tingling, itching, burning or prickly feeling. Onset may occur immediately to 4 hours after exposure and may last 2-30 hours without apparent skin damage. Wash exposed areas once with soap and water. Relief from the skin sensation may be obtained by applying an oil-based cream.

2.2 Personal Protective Equipment (PPE)

Applicators and other handlers must wear:

- Long-sleeved shirt and long pants
- Chemical-resistant gloves made of barrier laminate, butyl rubber \geq 14 mils, nitrile rubber \geq 14 mils or Viton® \geq 14 mils

- A NIOSH approved particulate respirator with any R or P filter with NIOSH approval number prefix TC-84A; or a NIOSH approved powered air purifying respirator with HE filter with NIOSH approval number prefix TC-21C
- Shoes plus socks

Important: When reduced PPE is worn because a closed system is being used, handlers must be provided with all PPE specified above and have such PPE immediately available for use in an emergency, such as a spill or equipment breakdown.

2.2.1 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.

2.2.2 ENGINEERING CONTROL STATEMENTS

When handlers use closed systems, enclosed cabs, or aircraft in a manner that meets the requirements listed in the Worker Protection Standard (WPS) for agricultural pesticides [40 CFR 170.240(d)(4-6)], the handler PPE requirements may be reduced or modified as specified in the WPS.

SMARTCARTRIDGE information

This product is formulated into a SMARTCARTRIDGE system that meets the definition of a closed loading system as defined by the Worker Protection Standard for Agricultural Pesticides.

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 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.

2.3 Environmental Hazards

This pesticide is very highly toxic to freshwater and estuarine fish and invertebrates. Use with care when applying in areas adjacent to any body of water. Runoff may be hazardous to aquatic organisms in neighboring areas.

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 wash water.

2.3.1 ENDANGERED SPECIES RESTRICTIONS

This product may pose a hazard to endangered aquatic species. Follow all use directions.

DIRECTIONS FOR USE RESTRICTED USE PESTICIDE

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

Force 10G HL Smartcartridge Insecticide must be used only in accordance with directions on this label.

Do not apply this product in a way that will contact workers or other persons, either directly or indirectly. 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.

FAILURE TO FOLLOW THE DIRECTIONS FOR USE AND PRECAUTIONS ON THIS LABEL MAY RESULT IN POOR INSECT CONTROL, CROP INJURY, OR ILLEGAL RESIDUES.

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, notification, and emergency assistance. It also contains specific instructions and exceptions pertaining to the statements on this label about personal protective equipment (PPE) and restricted-entry interval. The requirements in this box only apply to uses of this product that are covered by the Worker Protection Standard (WPS).

Do not enter or allow worker entry into treated areas during the restricted-entry interval (REI) of 48 hours.

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 worn over long-sleeved shirt and long pants
- Chemical-resistant gloves made of barrier laminate, butyl rubber \geq 14 mils, nitrile rubber \geq 14 mils or Viton® \geq 14 mils
- A NIOSH approved particulate respirator with any R or P filter with NIOSH approval number prefix TC-84A; or a NIOSH approved powered air purifying respirator with HE filter with NIOSH approval number prefix TC-21C
- Wear protective eyewear (goggles, face shield, or safety glasses)
- Shoes plus socks

3.0 PRODUCT INFORMATION

Force 10G HL Smartcartridge Insecticide is an at-planting, soil-applied insecticide which provides activity against seed-, plant-, and root-feeding insects and helps protect developing corn root systems.

3.0.1 PEST SUPPRESSION

Pest suppression can mean either inconsistent control (good to poor) or consistent control at a level below that generally considered acceptable for commercial control.

3.1 RESISTANCE MANAGEMENT

GROUP	3	INSECTICIDE
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Some insects are known to develop resistance to products after repeated use. Because resistance development cannot be predicted, the use of this product should conform to sound resistance management strategies established for the crop and use area. AMVAC encourages responsible product stewardship to ensure effective long-term control of the insects on this label.

Force 10G HL Smartcartridge Insecticide contains a Group 3 insecticide (tefluthrin). Insect biotypes with acquired or inherent resistance to Group 3 insecticides may eventually dominate the insect population if Group 3 insecticides are used repeatedly as the predominant method of control for targeted species. This may result in partial or total loss of control of those species by Force 10G HL Smartcartridge Insecticide or other Group 3 insecticides.

If resistance to this product develops in your area, this product, or other products with a similar mode of action, may not provide adequate control. If poor performance cannot be attributed to improper application or extreme weather conditions, a resistant strain of insect may be present. If you experience difficulty with control and resistance is a reasonable cause, immediately consult your local company representative or agricultural advisor for the best alternative method of control for your area.

3.1.1 Maintaining Susceptibility to these Classes of Chemistry

- Avoid using Group 3 insecticides exclusively for season-long control of insect species with more than one generation per crop season.
- For insect species with successive or overlapping generations, apply Force 10G HL Smartcartridge Insecticide or other Group 3 insecticides using a “treatment window” approach. A treatment window is a period of time as defined by the stage of crop development and/or the biology of the pests of concern. Within the treatment window, depending on the length of residual activity, there may either be single or consecutive applications (seed treatment, soil, foliar, unless otherwise stated) of the Group 3 insecticides. Do not exceed the maximum Force 10G HL Smartcartridge Insecticide allowed per year.
- Following a treatment window of Group 3 insecticides, rotate to a treatment window of effective products with a different mode of action before making additional applications of Group 3 insecticides.
- A treatment window rotation, along with other IPM practices for the crop and use area, is considered an effective strategy for preventing or delaying a pest’s ability to develop resistance to these classes of chemistry.
- If resistance is suspected, do not reapply Force 10G HL Smartcartridge Insecticide or other Group 3 insecticides.

3.1.2 Other Insect Resistance Management (IRM) Practices

- Incorporate IPM techniques into your insect control program.
- Monitor treated insect populations for loss of field efficacy.
- Use tank-mixtures or premixes with insecticides from a different target site of action group as long as the involved products are all registered for the same crop outlet and effective rates are applied.

3.1.3 Other Sources for Information on Insect Resistance Management

- Contact your local extension specialist, certified crop advisor and/or product manufacturer for additional insect resistance management recommendations.
- Visit the Insecticide Resistance Action Committee (IRAC) on the web at: <http://www.irac-online.org/>.

4.0 APPLICATION DIRECTIONS

4.1 Methods of Application

Soil applications with Force 10G HL Smartcartridge Insecticide are permitted at-planting by in-furrow, band, or T-band methods, as specified in **Section 7.0**.

The application methods described above ensure a zone of root protection which is approximately 7 inches wide and 5 inches deep. The zone of protection is the area around and within the corn roots where Force 10G HL Smartcartridge Insecticide has activity against seed-, plant-, and root-feeding insects.

4.2 Application Equipment

SMARTCARTRIDGE Information

- Please refer to the SMARTCARTRIDGE operator’s manual for detailed information on system operation and calibration procedures for systems capable of using the SMARTCARTRIDGE container.
- Do not attempt to open or tamper with the container.

- Do not attempt to repair the SMARTCARTRIDGE application system. If repairs are necessary, contact your Sales Representative or the manufacturer of the application system.

5.0 ROTATIONAL CROP RESTRICTIONS

The rotational (plant-back) restriction for Force 10G HL Smartcartridge Insecticide is 30 days for all crops.

6.0 RESTRICTIONS AND PRECAUTIONS

6.1 Use Restrictions

- **DO NOT** apply this product except on the sites and for the pests at the indicated rates and limitations specified in **Sections 7.0** of this label.
- **DO NOT** apply this product through any type of irrigation system.
- **DO NOT** apply this product within 20 yards of aquatic bodies (lakes, reservoirs, rivers, permanent streams, marshes, estuaries, natural ponds, or commercial fish farm ponds).
- **DO NOT** apply this product as either a band or T-band treatment unless the product can be incorporated into the top one inch of soil using tines, press wheels, closing wheels, chains, or other suitable equipment.

6.2 USE PRECAUTIONS

- When used on highly erodible land (HEL), best management practices for minimizing runoff must be employed.
- When applied to highly erodible land that drains to water bodies, consultation with the Natural Resources Conservation Service (NRCS) and/or other agricultural agencies will ensure that effective efforts are made to minimize soil erosion as well as pesticide runoff.
- When the highly erodible land is adjacent to aquatic bodies, the entire 20-yard buffer/setback must be left to grass or other natural vegetation.
- For NO-TILL corn acreage that drains to adjacent or neighboring aquatic sites, apply as an in-furrow treatment only. See in-furrow directions in Sec 7.0.
- Cover or incorporate spills (including end of row spillage).

7.0 CROP USE DIRECTIONS

7.1 Corn

Crops (Including all cultivars, varieties, and/or hybrids of these)			
Field Corn	Popcorn	Seed Corn	Sweet Corn
Target Pest	Rate (oz/1,000 ft of row)	Application Timing	Use Directions
Cutworms Lesser Cornstalk Borer Mexican Corn Rootworm Northern Corn Rootworm Seedcorn Beetle Seedcorn Maggot Southern Corn Rootworm Western Corn Rootworm White Grub Wireworm	1.25 – 1.5	Apply at planting.	Unless otherwise directed, application may be by in-furrow, band or T-band application. In-Furrow Applications: Direct the granules into the planter shoe with the seed or place the applicator tube directly behind the planter shoe so that the granules drop into the seed furrow.
Cutworms (first-year corn only)	1.0 – 1.25		

<p>Suppression Only: Billbug Chinch Bug</p>	<p>1.25 – 1.5</p>		<p>Band Applications: Apply in a 7-inch band over the row behind the press wheel. Granules must be incorporated into the top one inch of soil using tines, chains, or other suitable equipment.</p> <p>T- Band Applications: Apply in a band across the open seed furrow between the furrow openers and the press wheels. Granules must be incorporated into the top one inch of soil using press wheels, closing wheels, tines, or other suitable equipment.</p> <p>For best control of Wireworm and/or White Grub, apply the granules as an in-furrow treatment. For heavy infestations, use 1.5 oz/1,000 ft of row.</p> <p>For best control of Cutworm control in first year corn, apply as band or a T-band application</p> <p>For suppression of Billbug and Chinch Bug, apply as a band or T-band application.</p>
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Pounds of Force 10G HL Smartcartridge Insecticide Required per Acre for Typical Row Spacings					
Row Spacing (in)	36"	30"	22"	20"	15"
Linear Ft/A	14,520	17,424	23,760	26,136	34,848
Oz/1000 ft of Row					
1.0	0.9	1.1	1.5	1.6	2.2
1.25	1.1	1.4	1.9	2.0	2.7
1.5	1.4	1.6	2.2	2.5	3.2

Resistance Management:

- Refer to Section 3.1.

USE RESTRICTIONS

- Refer to Section 6.1 for additional product restrictions.
- Maximum Single Application Rate:** 3.27 lb/A (0.327 lb ai/A of tefluthrin-containing products)
- Minimum Application Interval:** Not Applicable
- Maximum Annual Rate:** 3.27 lb/A (0.327 lb ai/A of tefluthrin-containing products)
- Make only one application of Force 10G HL Smartcartridge Insecticide per year.
- DO NOT** follow a Force 10G HL Smartcartridge Insecticide at-planting application with a lay-by application.
- For New York only:** Do not exceed a total of 1.6 lbs/A of Force 10G HL Smartcartridge Insecticide (0.164 lb ai/A of tefluthrin) per year regardless of the application rate/1000 ft of row, or row spacing.

8.0 STORAGE AND DISPOSAL

STORAGE AND DISPOSAL

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

Pesticide Storage

Store in original containers only. Keep container closed when not in use. Do not store near food or feed. In case of spill or leak on floor or paved surfaces, soak up with sand, earth, or synthetic absorbent. Remove to chemical waste area-

Pesticide Disposal

Pesticide wastes are acutely hazardous. Improper disposal of excess pesticide, spray mixture, or rinsate is a violation of Federal law. If these wastes cannot be disposed of by use according to label instructions, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste representative at the nearest EPA regional office.

Container Handling/Return

DO NOT DISCARD THIS CONTAINER. Do not attempt to open or tamper with the container. Completely empty container into application equipment. All SMARTBOX containers must be returned per instructions provided or by calling 1-888-SMARTBOX.

Refillable container. Refill this container with insecticide only. Do not reuse this container for any other purpose.

CONTAINER IS NOT SAFE FOR FOOD, FEED, OR DRINKING WATER.

9.0 CONDITIONS OF SALE AND LIMITATION OF WARRANTY AND LIABILITY

NOTICE: Read the entire Directions for Use and Conditions of Sale and Limitation of Warranty and Liability before buying or using this product. If the terms are not acceptable, return the product at once, unopened, and the purchase price will be refunded.

LIMITED WARRANTY AND DISCLAIMER

The manufacturer warrants (a) that this product conforms to the chemical description on the label; and (b) 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. THIS WARRANTY DOES NOT EXTEND TO THE USE OF THIS PRODUCT CONTRARY TO LABEL INSTRUCTIONS, OR UNDER CONDITIONS NOT REASONABLY FORESEEABLE.

THERE ARE NO EXPRESS WARRANTIES OTHER THAN THOSE SET FORTH HEREIN. TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, THE MANUFACTURER NEITHER MAKES NOR INTENDS, NOR DOES IT AUTHORIZE ANY AGENT OR REPRESENTATIVE, TO MAKE ANY OTHER WARRANTIES, EXPRESS OR IMPLIED, AND IT EXPRESSLY EXCLUDES AND DISCLAIMS ALL IMPLIED WARRANTIES OF MERCHANTABILITY OF FITNESS FOR A PARTICULAR PURPOSE, OR ANY WARRANTY OF QUALITY OR PERFORMANCE. THIS WARRANTY DOES NOT EXTEND TO, AND THE BUYER SHALL BE SOLELY RESPONSIBLE FOR, ANY AND ALL LOSS OR DAMAGE WHICH RESULTS FROM THE USE OF THIS PRODUCT IN ANY MANNER WHICH IS INCONSISTENT WITH THE LABEL DIRECTIONS, WARNINGS OR CAUTIONS.

TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, BUYER'S EXCLUSIVE REMEDY AND MANUFACTURER'S OR SELLER'S EXCLUSIVE LIABILITY FOR ANY AND ALL CLAIMS, LOSSES, DAMAGES, OR INJURIES RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT, WHETHER OR NOT BASED IN TORT, CONTRACT, NEGLIGENCE, STRICT LIABILITY IN TORT OR OTHERWISE, SHALL BE LIMITED, AT THE MANUFACTURER'S OPTION, TO REPLACEMENT OF, OR THE REPAYMENT OF THE PURCHASE PRICE FOR, THE QUANTITY OF PRODUCT WITH RESPECT TO WHICH DAMAGES ARE CLAIMED. TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, MANUFACTURER OR SELLER SHALL NOT BE LIABLE FOR SPECIAL, INDIRECT OR CONSEQUENTIAL DAMAGES RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT.

AMVAC offers this product, and Buyer accepts it, subject to the foregoing Limited Warranty which may be varied only by agreement in writing signed by an authorized representative of AMVAC.

10.0 APPENDIX

10.1 Force 10G HL Smartcartridge Insecticide Use Summary Table

IMPORTANT: The table below is a summary of the Crop Use Directions for Force 10G HL Smartcartridge Insecticide. However, it is important for the user to read and follow the complete instructions contained within this label.

Crop or Crop Group or Subgroup, with examples	Maximum Rate per Application (lb/A)	Maximum Rate per Application (lb ai/A)	Minimum Application Interval (days)	Pre-Harvest Interval - PHI (days)	Maximum Rate per Year (lb/A)	Maximum Rate per Year (lb ai/A)
Corn field, pop, seed and sweet	3.27	0.327	NA	NA	3.27	0.327

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