

**GROUP 3 INSECTICIDE**

# FORCE® 3.0G INSECTICIDE

COMMERCIAL - AGRICULTURAL

GRANULAR

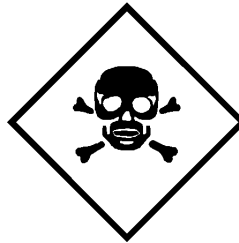
A soil-applied insecticide for control of corn rootworm, black cutworm, wireworms and seedcorn maggot in field, sweet, and seed corn.

**ACTIVE INGREDIENT:**

Tefluthrin.....3.0%

**READ THE LABEL BEFORE USING  
KEEP OUT OF THE REACH OF CHILDREN**

**WARNING**



**POISON**

**POTENTIAL SKIN SENSITIZER  
CALL A DOCTOR IMMEDIATELY IN CASE OF ACCIDENT**

REGISTRATION NO. **23917**  
PEST CONTROL PRODUCTS ACT

NET CONTENTS: **20 kg, 22.7 kg**

**Syngenta Canada Inc.**  
140 Research Lane, Research Park  
Guelph, Ontario  
N1G 4Z3  
Telephone: 1-877-964-3682

**WARNING**  
**READ THE LABEL BEFORE USING**  
**KEEP OUT OF REACH OF CHILDREN AND ANIMALS**  
**DANGER - may be fatal if swallowed**  
**POTENTIAL SKIN SENSITIZER**  
**NEVER transfer to another container**  
**STORE tightly closed in the original package away from children and animals**

## 1.0 NOTICE TO USER

This pest control product is to be used only in accordance with the directions on the label. It is an offence under the *Pest Control Products Act* to use this product in a way that is inconsistent with the directions on the label.

## 2.0 FIRST AID

**IN CASE OF POISONING**, contact a doctor or a poison control centre **IMMEDIATELY**. Take container, label or product name and Pest Control Product Registration Number with you when seeking medical attention.

**If swallowed**, call a poison control centre 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 centre or doctor. Do not give anything by mouth to an unconscious person.

**If in eyes**, 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 centre or doctor for treatment advice.

**If on skin or clothing**, take off contaminated clothing. Rinse skin **IMMEDIATELY** with plenty of water for 15–20 minutes. Call a poison control centre or doctor for treatment advice.

**If inhaled**, 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 centre or doctor for further treatment advice.

## 3.0 TOXICOLOGICAL INFORMATION

This product contains tefluthrin, a synthetic pyrethroid insecticide. Symptoms of ingestion include nausea, vomiting, and abdominal pain. Large doses may cause tremor, weakness, or ataxia. Treat symptomatically. In case of exposure to skin of face or other sensitive areas, some individuals may feel a tingling or numbness. This is a transitory effect and does not cause harm to skin.

## 4.0 PRECAUTIONS

### KEEP OUT OF REACH OF CHILDREN AND DOMESTIC ANIMALS.

#### Potential skin sensitizer.

Avoid contact of the product with skin and eyes. Do not contaminate feed or food.

**Restricted-entry Intervals (REI): DO NOT** enter or allow worker entry into the treated area until 12 hours after application. Workers shall be given oral warning of the re-entry interval.

Avoid inhalation of vapours/dust.

**DO NOT** apply by air.

If this pest control product is to be used on a commodity that may be exported to other countries in the world and you require information on acceptable residue levels in these countries, please contact Syngenta Canada Inc. at 1-87-SYNGENTA / 1-877-964-3682.

## 5.0 PERSONAL PROTECTIVE EQUIPMENT (PPE)

### Mixing and loading granules:

Open mixing and loading with maximum Personal Protective Equipment (PPE): Chemical resistant coveralls over a single layer (long-sleeved shirt, long pants, socks plus boots) with chemical resistant gloves, and safety goggles or face shield plus a suitable respirator.

### Applying granules:

Use a closed cab with maximum Personal Protection Equipment (PPE): Chemical resistant coveralls over a single layer (long-sleeved shirt, long pants, socks plus shoes). Add chemical resistant gloves for all tasks outside of the closed cab.

Wear protective clothing including chemical resistant coveralls over a single layer (long-sleeved shirt, long pants, socks plus boots) with chemical resistant gloves and safety goggles or face shield with a suitable respirator when handling this product, and during clean-up and repair activities. Rinse gloves before removing.

Keep the following personal protective equipment immediately available for use in case of emergency (*i.e.* a broken package, spill, or equipment breakdown): chemical-resistant coveralls, chemical-resistant gloves, chemical-resistant head gear and a respirator.

Remove clothing/PPE immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing. Wash splashes from skin IMMEDIATELY with plenty of water. Remove PPE immediately after handling this product. Wash the outside of gloves with soap and water before removing. As soon as possible, wash thoroughly and change into clean clothing. After spraying, wash hands and shower thoroughly with soap and water.

Heavily contaminated or drenched clothing and other absorbent materials contaminated with this product should be discarded. Do not reuse them.

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.

Wear freshly laundered clothes daily.

Do not wear contaminated shoes.

Users should wash hands and exposed skin before eating, drinking, chewing gum, using tobacco, applying cosmetics or using the toilet.

While using product, do not eat, drink or use tobacco (including smoking).

## 6.0 ENVIRONMENTAL PRECAUTIONS

This product is toxic to aquatic organisms, birds and small wild mammals. Any spilled or exposed granules must be incorporated into the soil or otherwise cleaned-up from the soil surface.

Prevent contamination of ponds, waterways or ditches with this product. Do not apply FORCE® 3.0G Insecticide to fields with significant slope to adjacent waterways, or within 15 m of waterways, ponds or ditches.

FORCE 3.0G Insecticide is highly toxic to aquatic invertebrates and fish. Contour ploughing should be practiced (i.e. land should be cultivated at right angles to its slope).

### Run-off

To reduce runoff from treated areas into aquatic habitats, avoid application to areas with a moderate to steep slope, compacted soil or clay.

Avoid application when heavy rain is forecast.

Contamination of aquatic areas as a result of runoff may be reduced by including a vegetative strip between the treated area and the edge of the water body.

**DO NOT** apply this product directly to freshwater habitats (such as lakes, rivers, sloughs, ponds, prairie potholes, creeks, marshes, streams, reservoirs, and wetlands), estuarine/marine habitats.

**DO NOT** contaminate irrigation or drinking water supplies or aquatic habitats by cleaning of equipment or containers, or disposal of wastes. Do not discharge effluent containing this product into sewer systems, lakes, streams, ponds, estuaries, oceans and other waters.

## 7.0 STORAGE

Keep in original container, tightly closed, during storage. Store this product away from food or feed. Store in a cool, dry place, away from children or animals. The product is not affected by freezing.

## 8.0 DISPOSAL

For information on disposal of unused, unwanted product, contact the manufacturer or the

provincial regulatory agency. Contact the manufacturer and the provincial regulatory agency in case of a spill, and for clean up of spills.

**DISPOSAL:**

1. Empty bag thoroughly into insecticide hopper box.
2. Make the empty bag unsuitable for further use.
3. Dispose of the bag in accordance with provincial requirements.

***IN CASE OF EMERGENCY INVOLVING A MAJOR SPILL, FIRE OR POISONING,  
CALL 1-800-327-8633 (FASTMED)***

**9.0 PRODUCT INFORMATION**

FORCE 3.0G Insecticide is a synthetic pyrethroid soil insecticide applied at planting as a band or in-furrow treatment for control of corn rootworm, black cutworm, wireworms, seedcorn maggot in field, sweet and seed corn.

FORCE 3.0G Insecticide applied as a band will control Northern and Western corn rootworm and black cutworm.

FORCE 3.0G Insecticide applied in-furrow will control Northern and Western corn rootworm, black cutworm, wireworms and seedcorn maggot.

FORCE 3.0G Insecticide is not systemic, and does not control insects which burrow into or feed on corn stalks, leaves, or ears.

**10.0 DIRECTIONS FOR USE**

**10.1 General Information**

**FORCE 3.0G Insecticide is to be used on field, sweet and seed corn only.** Corn forage, grain, cobs, and other plant portions may be fed to livestock.

As this product is not registered for the control of pests in aquatic systems, DO NOT use to control aquatic pests.

DO NOT contaminate irrigation or drinking water supplies or aquatic habitats by cleaning of equipment or disposal of wastes.

This product may be tank mixed with a fertilizer, a supplement, or with registered pest control products, whose labels also allow tank mixing, provided the entirety of both labels, including Directions For Use, Precautions, Restrictions, Environmental Precautions, and Spray Buffer Zones are followed for each product. In cases where these requirements differ between the tank mix partner labels, the most restrictive label must be followed. Do not tank mix products containing the same active ingredient unless specifically listed on this label.

In some cases, tank mixing pest control products can result in reduced pesticide efficacy or increased host crop injury. The user should contact Syngenta Canada Inc. at 1-87-SYNGENTA /

1-877-964-3682 for information before applying any tank mix that is not specifically recommended on this label.

Syngenta Canada Inc. has not fully assessed performance (efficacy) and/or crop tolerance (phytotoxicity) of all potential tank mixes under all environmental conditions or for all crop varieties. Tank mixes that are not specifically listed on this label should be tested on a small area first, under local conditions and using standard practices, to confirm the tank mix is suitable for widespread application.

To determine the physical compatibility of this product with other products, use a jar test.

Always read and follow label directions including WALES mixing order.

### 10.2 Ground Application

**APPLICATION:** Apply FORCE 3.0G Insecticide through a planter mounted insecticide applicator.

### 10.3 Rotational Crop Restrictions

Crop	Plant-back Interval
All crops	30 days

## 11.0 CROP USE DIRECTIONS

### 11.1 Field corn, Sweet corn, and Seed corn

<b>CROPS</b>	Field Corn, Sweet Corn, and Seed Corn
<b>PESTS CONTROLLED</b>	Northern and Western corn rootworm and black cutworm.
<b>USE RATE</b>	37.5 g product / 100 m of row
<b>APPLICATION METHOD</b>	Banded
<b>RESTRICTED ENTRY INTERVAL (REI)</b>	12 hours
<b>PRE-HARVEST INTERVAL</b>	Sweet or field corn for forage -49 days Cobs or grain - 56 days

<p><b>NOTES</b></p>	<p>Apply FORCE 3.0G Insecticide in a 15-20 cm wide band centered over the seed furrow at 37.5 g product/100 m of row through a planter mounted insecticide applicator.</p> <p>The band should be applied ahead of the planter's press wheels and then incorporated into the top 1-2 cm of soil by tines or by dragging a short length of chain behind the press wheels.</p> <p>If using a planter with the insecticide applicators behind the press wheels, ensure incorporation into the top 1-2 cm of soil.</p> <p>It is recommended that wind-guards be used to ensure proper placement of FORCE 3.0G Insecticide.</p> <p><b>NOTE:</b> In regions where seedcorn maggot and wireworm are common, these may be controlled by treatment of seed with a registered product. Follow product label for rates and directions for use.</p>
<p><b>PESTS</b></p>	<p>For control of Northern and Western corn rootworm, black cutworm, wireworms and seedcorn maggot.</p>
<p><b>USE RATE</b></p>	<p>37.5 g product / 100 m of row</p>
<p><b>APPLICATION METHOD</b></p>	<p>In-Furrow</p>
<p><b>RESTRICTED ENTRY INTERVAL (REI)</b></p>	<p>12 hours</p>
<p><b>NOTES</b></p>	<p>Apply FORCE 3.0G Insecticide in the furrow with the seed 2-5 cm deep at 37.5 g product/100 m of row.</p> <p>FORCE 3.0G Insecticide should be applied directly behind the seed tube into the open seed furrow.</p> <p>Do not harvest sweet or field corn for forage until 49 days after treatment and for cobs or grain until 56 days after treatment.</p>

## 11.2 CALIBRATION

It is essential that the correct rate of FORCE 3.0G Insecticide be applied to obtain the best insect control. Calibration tubes and instructions are available from your supplier.

1. Measure a 100 m length of row.
2. Attach calibration tubes to each applicator outlet.
3. Drive planter down the 100 m of row at normal planting speed to collect insecticide in calibration tubes.
4. Remove tube and tap 4 times to settle granules.
5. If calibration tube reading is above or below 37.5 g/100 m row, adjust gauge setting accordingly and repeat steps 2, 3 and 4.
6. Recalibrate periodically to ensure correct rate is being applied.

### GAUGE SETTINGS FOR FORCE 3.0G INSECTICIDE APPLICATION

Speed Km/h	6.5	10	13
Applicator	Application Rate: 37.5 grams per 100 m of row		
Gandy bolt-on bottom	17	19	21
Gandy snap-on bottom	15	18	21
Noble (round opening)	8	9	14
Noble (rectangular opening)	6	7	9
John Deere 1986 Maxi-Emerge II (adjustable knob-0-79)	13	17	21
John Deere 7000 Maxi-Emerge (Even) (0-10-20-30-40)	10	13	17
John Deere 7000 Maxi-Emerge (Odd) (5-15-25-35-45)	9	11	14
John Deere (metal box with 3 range settings and dial) Range/Notch	1/17	1/25	1/32
International Harvester (one gauge per hopper) Gate/Dial Old	1/6	2/0	2/3
International Harvester (two gauge per hopper) Gate/Dial New	2/2	2/5	2/8
Buffalo (10-20-30-40)	4 3/4	*	*
Buffalo (fluted-roll feed-revolutions on hexagonal adjusting-nut)	4 3/4	*	*
Allis Chalmers (old)	8	10	12
Allis Chalmers (new, with Noble metering unit)	6	8	10
Kinze			

\* Uniform Flow at all Speeds

**NOTE:** These settings should be used as starting points only. Continually check the amount of FORCE 3.0G Insecticide used against a known length of row or acreage and make further adjustments accordingly. Also, check calibration occasionally to make sure equipment wear, changing conditions, etc., have not caused a change in flow rate.

FORCE 3.0G Insecticide used at 37.5 g of product per 100 metres of row converts to the following quantities per planted corn acreage:

Row Spacing	FORCE 3.0G Insecticide per ha	1 bag of FORCE 3.0G Insecticide (20kg) will treat
75 cm	5 kg	4.0 ha
80 cm	4.7 kg	4.2 ha
85 cm	4.4 kg	4.6 ha
90 cm	4.25 kg	4.8 ha
95 cm	3.95 kg	5.0 ha
100 cm	3.75 kg	5.4 ha



---

## 12.0 RESISTANCE MANAGEMENT RECOMMENDATIONS

For resistance management, please note that FORCE 3.0G Insecticide contains a Group 3 insecticide. Any insect population may contain individuals naturally resistant to FORCE 3.0G Insecticide and other Group 3 insecticides. The resistant individuals may dominate the insect population if this group of insecticides is used repeatedly in the same fields. Other resistance mechanisms that are not linked to site of action, but specific for individual chemicals, such as enhanced metabolism, may also exist. Appropriate resistance-management strategies should be followed.

### **To delay insecticide resistance:**

Where possible, rotate the use of FORCE 3.0G Insecticide or other Group 3 insecticides with different groups that control the same pests in a field.

Use tank mixtures with insecticides from a different group that is effective on the target pest when such use is permitted.

Insecticide use should be based on an IPM program that includes scouting, record keeping, and considers cultural, biological and other chemical control practices.

Monitor treated pest populations for resistance development.

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 Syngenta Canada Inc. company representatives at 1-87-SYNGENTA (1-877-964-3682) or at [www.syngenta.ca](http://www.syngenta.ca).

FORCE® is a trademark of a Syngenta Group Company.