

# **FIELD CORN, POPCORN, SEED CORN AND SWEET CORN - AT CULTIVATION**

General Information

## **INSTRUCTIONS**

Runoff from treated areas may be hazardous to aquatic organisms in adjacent aquatic sites. Do not apply this product within 20 yards of water (lakes, reservoirs, rivers, permanent streams, marshes, estuaries, natural ponds, or ponds used for commercial fishing).

Cover or incorporate spills (including end row spillage).

Rotational crops may be planted no sooner than 30 days after application.

## **RESISTANCE MANAGEMENT**

Some insects are known to develop resistance to products used repeatedly for control. Because the development of resistance cannot be predicted, the use of this product should conform to resistance management strategies established for the use area. Consult your local or state agricultural authorities for details.

Force 3G Insecticide contains a Group 3 insecticide (tefluthrin). Insect biotypes with acquired or inherent resistance to Group 3 insecticides may eventually dominate the pest 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 3G 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.

In order to maintain susceptibility to this class 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 3G 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. USE FORCE 3G INSECTICIDE ONLY ONCE 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 apply other Group 3 insecticides.

Other Insect Resistance Management (IRM) practices include:

- Incorporating IPM techniques into your insect control program
- Monitoring treated insect populations for loss of field efficacy
- Using 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

For additional 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/>.

## DIRECTIONS FOR APPLICATION

### At-Planting Band Treatment

Apply Force 3G insecticide at planting time for the control of corn rootworms,

cutworms, seedcorn maggots, seedcorn beetles, lesser corn stalk borer, white grubs and wireworms. Place the granules in a 7-inch-wide 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 TINES, PRESS WHEELS, CLOSING WHEELS OR OTHER SUITABLE EQUIPMENT.

DO NOT apply this product as either a band or T-band treatment, unless you can incorporate the granules as directed above. This will improve insect control and reduce the potential for adverse effects to aquatic organisms.

Highly Erodible Land (HEL)

When used on erodible soils, best management practices for minimizing runoff must be employed.

When applying to highly erodible land draining 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 runoff of herbicides and insecticides. In particular, where highly erodible land (HEL) is adjacent to aquatic bodies, the 20-yard buffer/setback area must be left in grass or other natural vegetation.

For NO-TILL corn where runoff drains into adjacent or neighboring aquatic sites (ponds, streams, lakes), apply Force 3G Insecticide as an in-furrow treatment only. See in-furrow directions below.

At-Planting In-Furrow Treatment

Apply Force 3G Insecticide at planting time as an in-furrow treatment for control of corn rootworms, wireworms, and seed corn maggots. In-furrow applications may be made by (1) directing the granules into the planter shoe with the seed, or (2) placing the applicator tube directly behind the planter shoe so that the granules drop into the seed furrow.

The at-planting treatments described above ensure that there is 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 root system where Force 3G Insecticide has activity against seed-, plant- and root-feeding insects. By controlling early-season insect feeding, Force 3G Insecticide provides protection for developing

corn root systems.

## Limitations, Restrictions, and Exceptions

### FIELD CORN, POPCORN, SEED CORN AND SWEET CORN

At cultivation within 30 days of seedling emergence

#### Application Method

Apply Force 3G Insecticide by placing the granules at the base of the plant on both sides of the row (split boot). Cover the treated bands with 2-3 inches of soil by making the application ahead of cultivation equipment. Apply Force 3G Insecticide when activity of rootworm larvae is first observed. Make this application within 30 days of seedling emergence. Do not apply this product unless you can incorporate the granules as directed above. **DO NOT FOLLOW A FORCE 3G INSECTICIDE AT-PLANTING APPLICATION WITH A LAY-BY APPLICATION. USE FORCE 3G INSECTICIDE ONLY ONCE PER CROP.**

#### Use Restrictions

- Maximum Force 3G Insecticide Allowed per Application:

Do not exceed a total of 5.0 oz /1,000 row ft of Force 3G regardless of row spacing. See table in the label for amount of Force 3G Insecticide required per acre for typical row spacings.

Do not exceed a total of 10.9 lb/A of Force 3G Insecticide (0.327 lb ai/A of tefluthrin) per application regardless of row spacing.

- Maximum Force 3G Insecticide Allowed per Year: Do not exceed a total of 10.9 lb/A of Force 3G Insecticide (0.327 lb ai/A of tefluthrin) per year.

- For New York only: Do not exceed a total of 5.5 lbs/A of Force 3G Insecticide (0.164 lb ai/A of tefluthrin) per year regardless of the application rate/1000 ft of row, or row spacing.

#### Method

[In Furrow](#)

[Band](#)

Rates

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Restricted Entry Interval

48 hours

Exception: If the product is soil-injected or soil incorporated, the Worker Protection standard, under certain circumstances, allows workers to enter the treated area if there will be no contact with anything that has been treated.

Timings

[When activity of rootworm larvae is first observed.](#)