FORCE BRANDS: SUPERIOR CORN ROOTWORM CONTROL

Corn rootworm (CRW) pressure can vary year to year, but it's a pest that should not be underestimated. The damage and management associated with the pest costs $1 billion per year. CRW larvae feed on young roots and adults feed on corn silks, which can result in less nutrient absorption, poor pollination and root lodging. For every node of the corn root that is injured by CRW larvae, corn yield could reduce by 15-17%. Plus, corn rootworm eggs are able to overwinter, and if you’re planting corn-on-corn, larvae can emerge in the following year to take a bite out of profits.

MAXIMIZED YIELD POTENTIAL AND SUPERIOR PEST CONTROL

For 30 years, you’ve been able to rely on Force® insecticide brands because CRW has not developed resistance to them. Force brands:

- Provide the most consistent control of CRW and other early-season pests, such as white grub, wireworm, seedcorn maggot and cutworm
- Help improve root growth and nutrient uptake to result in a higher yield potential that outperforms the competition
- Deliver an average yield increase of ~10 bu/A when used on top of CRW traits (single or double stack)

Force brands on 501 trait trials; Illinois, Indiana, Iowa, Minnesota, Michigan, Nebraska, Ohio, Wisconsin; 2007-2017

92% of Force brands on CRW trait strip trials resulted in a positive yield increase
FORCE BRANDS OFFER APPLICATION OPTIONS AND CONVENIENT HANDLING

Depending on your application equipment preference there is a Force brand for you. Force 6.5G and Force Evo formulations offer hassle-free planting, convenient handling and leave minimal residue on equipment for easier cleanout.

**Force® 6.5G**

- Offers the lowest per acre rate of formulated product in the granular bag segment
- Goes farther and results in fewer stops to refill insecticide boxes, which allows faster, more efficient planting with less hassle
- Results in fewer bags to store, handle and load, compared to lower-load formulations, such as Aztec® 4.67
- Reduces dust-off significantly compared to Aztec 4.67 and Force 3G

**Force® Evo**

- Offers starter fertilizer compatibility with 100 liquid starter fertilizers and is also compatible with water as the carrier
- Allows for low viscosity and improved insecticide pumping and flowability through a liquid formulation
- Makes loading application equipment easy because of its closed system packaging
- Leaves 4-6x less residue buildup on equipment surfaces for easier cleanout than past formulations

**Compared to Untreated, Force 6.5G Delivers CRW Control for Minimized Root Damage**

![Chart](chart.png)

Internal Syngenta trials on non-CRW traited corn; equivalent rates based on 30" rows; untreated checks with root rating > 0.75. Minnesota, Nebraska, Wisconsin; 2016

**Force Evo Provides Proven and Trusted Performance, Even Under CRW Pressure**

![Chart](chart.png)

Internal Syngenta trials on non-CRW traited corn; equivalent rates based on 30" rows; untreated checks with root rating > 0.75. Iowa, Nebraska, Illinois; 2019

Talk to your local Syngenta sales representative or retailer for more information about Force Brands.

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1. G. Johal et al., Purdue University, 2013
2. SDSU Extension
3. Syngenta 2007-2017 (Various RW traits utilized; trials located in NE, IL, IN, MN, IA, OH, WI)
4. Breakeven calculation: Force 6.5G 2.0 lbs/A ($24.00) or Force Evo 8.0 oz/A ($24.00), divided by $3.45/bu = 6.95 bushels
5. Capture® LFR® 7.4 fl. oz/A
6. Force® Evo 8.0 fl. oz/A
7. Equivalents based on 30" rows; untreated checks with root rating > 0.75. Minnesota, Wisconsin, Illinois; 2016

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Performance assessments are based upon results or analysis of public information, field observations and/or internal Syngenta evaluations.

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