Superior corn rootworm control in an enhanced liquid formulation

For more than 25 years, corn growers have trusted Force® insecticide for the most effective and consistent control of corn rootworm (CRW) and other early-season pests. But today’s growers are looking for both performance and convenience. Based on your feedback, we developed Force Evo, an evolution in liquid corn insecticides, then rigorously tested it in the lab and in the field.
Don’t underestimate corn rootworm

Corn rootworm pressure can vary from year to year and location to location, but this resilient pest is highly adaptable and can wreak havoc even when least expected.

A risk management decision for peace of mind on every acre

- Force Evo contains the same amount of the trusted active ingredient, tefluthrin, as Force CS.
- Trials show Force consistently outperforms other corn insecticides for control of CRW and other early-season pests leading to improved root growth, better nutrient uptake and improved yields.

Yield advantage with Force on traits

- When used on top of CRW traits (single or double stack), Force delivers an average yield increase of 10 bu/A, so typically Force will deliver an even greater return on investment when used on conventional, untraited corn.
- Force helps increase yield even in the absence of CRW because early-season pests like white grubs, wireworms and seedcorn maggots can also cause economic damage to developing roots.

Stronger roots mean higher yields

[Graph showing yield difference (bu/A) with Force Evo vs. Capture LFR with economic return at $3.50/bu corn.]

Syngenta 2007-2011 (Various RW traits utilized; trials located in NE, IL, IN, MI, MN, IA, OH, WI).

CRW control challenge: Force Evo vs. Capture® LFR®

Like Force Evo, Capture LFR can be applied with in-furrow, liquid starter fertilizers. But multiple studies show that Force brand insecticides control the most damaging corn insects more effectively than Capture LFR, leading to greater yield potential.

Compare the root damage of the untreated corn (left) and corn treated with Capture LFR (center) versus the healthy roots of corn treated with Force (right).
The performance you trust now available in a convenient formulation you’ve been waiting for

We designed the Force Evo formulation to give you an improved user experience.

- **Four times lower viscosity** provides better cold weather tolerance and freeze-thaw performance for improved insecticide pumping and flowability.

- **Four to six times less residue** buildup on equipment surfaces for easier equipment cleanout.

- **Demonstrated to be compatible** with 46 liquid starter fertilizers allowing hassle-free use through your existing closed, direct-injection application system.

**Less residue**

Your time is valuable so we enhanced the formulation to leave less residue, making it easier for you to clean out your equipment and move on to the next task at hand. This photo shows Force Evo (left) vs. Force CS (right), and the residue difference on the walls of these vials after they were inverted several times.

**Better flowability**

We made the Force Evo formulation less viscous so you will have hassle-free planting with no delays. This photo shows the superior flowability of Force Evo (left) compared to the thicker Force CS formulation (right).
Why choose a liquid insecticide?

Liquid insecticides are emerging as a preferred option because of their convenience and efficiency. Syngenta has partnered with two leading equipment suppliers, John Deere and Raven, who each make a closed, direct-injection liquid application system to apply Force Evo.

**John Deere Central Insecticide System**
The Central Insecticide System is fully integrated with the John Deere planter. Available as a factory-installed option, or a kit for field conversion, each insecticide cabinet holds four boxes of Force Evo insecticide. An externally mounted electric pump directly injects Force Evo into water or starter fertilizer and applies the insecticide in-furrow or as a T-band.

**Raven application system**
The Raven application system conveniently includes the electric pump directly within the insecticide cabinet. The Raven system can be configured to inject Force Evo into water or starter fertilizer and applies the insecticide mixture in-furrow or as a T-band.

Force Evo is packaged in a 2.5-gallon bag placed inside a box – a “bag-in-a-box” design. These boxes are placed inside the application system cabinet and connected to an electric pump, which injects Force Evo into water or starter fertilizers as a carrier and applied in-furrow or as a T-band.

- Size and weight of these boxes make them easy to store, easy to move and easy to install compared to 50-pound bags of granular insecticides.
- One box of Force Evo weighs 23 pounds.
- This design decreases the potential risk of exposure and reduces product handling.

Contact your local Syngenta retailer or sales representative to learn more about Force Evo and visit [www.SyngentaUS.com/ForceEvo](http://www.SyngentaUS.com/ForceEvo).