



Force Insecticides Offer Enhanced Control of Corn Rootworm and Early-Season Pests

For years, growers have trusted Force[®] insecticides to control insects in their conventional and refuge corn acres. In recent years, growers across the Midwest have also seen yield advantages from using Force 3G or Force CS insecticides over their rootworm-traited corn hybrids. Force over rootworm trait applications are combating heavy rootworm problems and fighting pressures from other early-season pests such as white grub, wireworms, and cutworms that the trait alone may not control, giving growers the added protection they need to maximize yield.

Sometimes traits aren't enough

Even with a rootworm trait, corn rootworms can still have a negative impact on root systems, as some feeding is required for the trait to be effective. Early rootworm larval feeding can cause scarred roots, reduced standability and ultimately reduced yields.

Rootworm trait efficacy can be challenged when corn rootworms are at a larger growth stage or when large populations of rootworms are present. While rootworm-traited hybrids are effective for some growers, others are discovering they need additional protection.

A Force application over the top of rootworm-traited corn can provide the added protection growers need, leading to stronger, more developed root systems and healthier plants that are better prepared to fight off disease and increased stress levels, which ultimately leads to increased standability, a faster harvest and increased yields.



Force on Trait

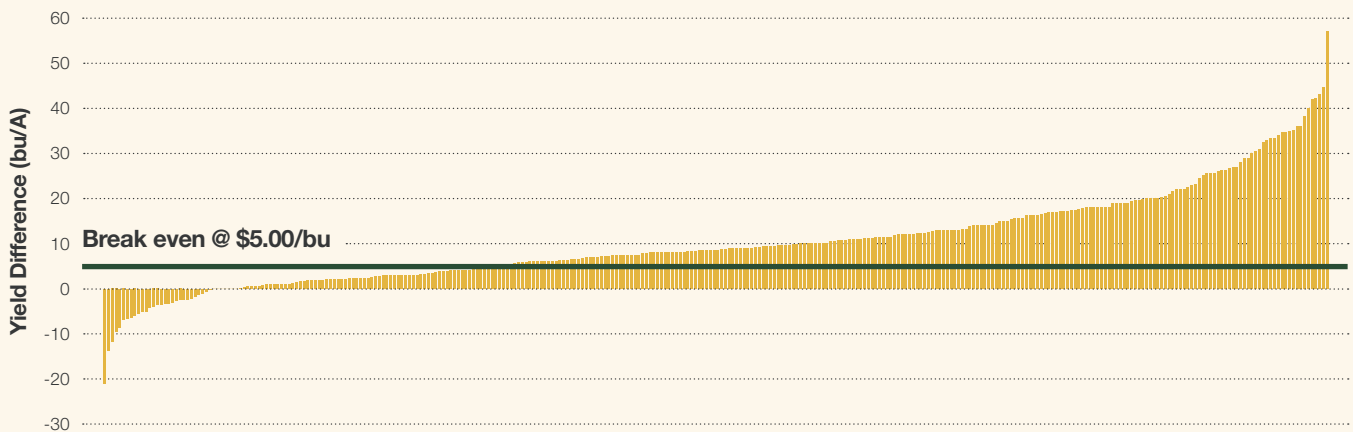
Trait Only - No Force

Force applied to rootworm-traited corn acres benefits growers

Hundreds of trials across the Midwest have shown Force consistently enhances yield when applied over the top of rootworm-traited corn acres, even in areas of high rootworm pressure. In addition, Force offers added control of early-season pests that many traited hybrids cannot suppress, contributing to a potential yield bump. Applying Force also adds an additional mode of action for corn rootworm control on traited corn.

Force® Insecticide on Rootworm Trait Strip Trials

Various rootworm traits utilized - NE, IL, MN, IA, OH, WI, IN, MI (326 trials)



Results show:

- Rootworm-traited corn acres treated with Force showed an average yield increase of 10.42 bu/A
- An application of Force on rootworm-traited corn generated a positive return on investment (ROI) in 70 percent of trials
- A positive ROI was gained with a yield increase of slightly more than 4 bu/A based on a \$5/bu corn price
- Force on trait applications demonstrated consistent yield increases across all rootworm traits utilized, including Yieldgard® Rootworm, Herculex® RW and Agrisure® RW

Would I benefit from applying Force to my rootworm-traited corn?

A check in one or more boxes may indicate a treatment of Force insecticide in addition to a rootworm trait will be beneficial.

- | | |
|---|---|
| <input type="checkbox"/> Do you plant early? | <input type="checkbox"/> Is there potential for early-season weed competition?
<i>(Pest population growth accelerates in early weed cover)</i> |
| <input type="checkbox"/> Do you plant corn on corn? | <input type="checkbox"/> Are you in an area where corn rootworm resistance to Bt is suspected? |
| <input type="checkbox"/> Is there heavy corn rootworm pressure? | <input type="checkbox"/> Do you need to manage insects with multiple modes of action? |
| <input type="checkbox"/> Are other early-season pests a concern? <ul style="list-style-type: none">• Cutworm• Wireworms• Grape colaspis• White grubs | |