

Steward® EC Program for Managing Corn Rootworms

Steward® EC is a novel insecticide with activity on corn rootworm adults. Steward® is reported to have lesser effects on beneficial insects with a longer residual compared to common pyrethroids. The hypothesis of this research is that in a corn after corn rotation, foliar applications of Steward® EC to tasseling corn will significantly reduce the abundance of corn rootworm larvae the following year. This reduction in larval feeding would simplify corn rootworm management in corn after corn rotations and reduce reliance on soil applied insecticides and corn rootworm resistance traits. Further, adult control programs with Steward® EC may reduce incidences of corn rootworm resistance to traits and soil applied insecticides through introduction of another mode of action.

WHAT WE NEED FROM YOU:

- Select a field that is in a corn after corn rotation with a history of high rootworm populations.
- Apply Steward® EC to half the field this year around tasseling.
- In 2020, plant the field to corn leaving four check strips as unprotected for CRW larval control. This could be a non-BT hybrid or shutting off planting time insecticide to these strips.
- Provide as applied maps of the Steward® EC application, as planted and yield monitor data.

WHAT ISA WILL DO FOR YOU:

- Supply enough Steward® EC to treat half of the field.
- Evaluate corn node injury in the untreated areas of the field.
- Capture aerial imagery of the study field.
- Provide summary reports on results from your farm as well as summaries from anonymous farms in the study.
- \$500 compensation for the untreated checks.

Example Plot Layout:



To get involved or for more information, contact your regional agronomist:

Matt Hoffman
Northwest Iowa
mhoffman@iasoybeans.com
712-210-2100

Anthony Martin
Northeast Iowa
amartin@iasoybeans.com
515-334-1048

Brett McArtor
Southeast Iowa
bmcartor@iasoybeans.com
515-334-1037

Drew Clemmensen
Southwest Iowa
dclemmensen@iasoybeans.com
515-339-4262