

Effective, precise, and environmentally-friendly Colorado potato beetle control

Calantha™ and ledprona are pending regulatory approval by the Environmental Protection Agency (EPA).



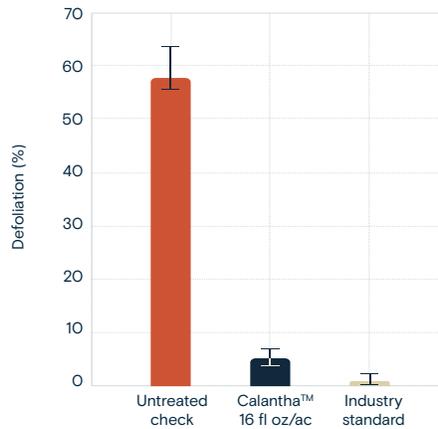
Powerful new Mode of Action

Calantha™ is a new foliar insecticide that provides effective control of the Colorado potato beetle (CPB) for potatoes. Calantha™ delivers a novel Mode of Action, which provides a new tool for resistance-management with no detectable residues on potatoes.

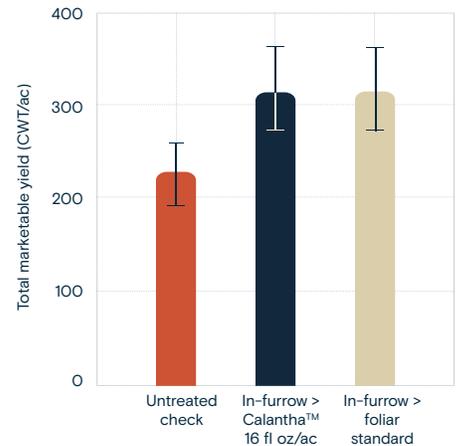
GreenLight Biosciences Inc. has pioneered a groundbreaking technology that uses RNA to control the pest and is designed to minimize impact to beneficial insects, helping farmers grow healthy crops and improve yields.

*Multi-year summary from high-pressure trials (>25% defoliation on untreated checks).
 2019-2022: 48 total defoliation protection trials
 2020-2021: 30 total yield protection trials

Calantha™ provides *defoliation protection* comparable to industry standards in multi-year field trials*



Calantha™ provides *yield protection* comparable to industry standards in multi-year field trials*



Easy to use while supporting on-farm sustainability goals

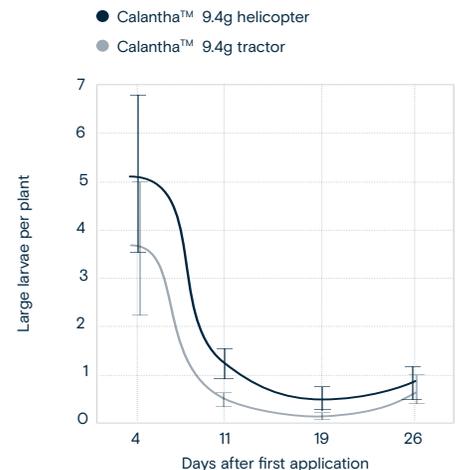
Application flexibility and ease of use:

- ◆ Requires minimal personal protection equipment**
- ◆ Short re-entry interval (REI) of 4 hours**
- ◆ No pre-harvest interval (PHI)**
- ◆ No phytotoxic effect on potato plants
- ◆ Aqueous-based liquid formulation (SL) is easy to pour and mix
- ◆ Can be applied at any time of the day
- ◆ Effective on beetles that are resistant to other pesticides including carbamates, organophosphates, pyrethroids, and neonicotinoids
- ◆ Works well with different application methods and volumes

Environmental and sustainability benefits:

- ◆ Degrades in soil and water within three days
- ◆ Little to no impact on non-target organisms tested
- ◆ Targeted technology avoids flaring secondary pests by supporting beneficial insects
- ◆ No residues detected in potato tubers
- ◆ Low use rate per acre

Works well using both ground and aerial application methods;
 <1% defoliation 19 DAT



***Less than 1% defoliation was observed 19 DAT.

**Pending EPA review and approval

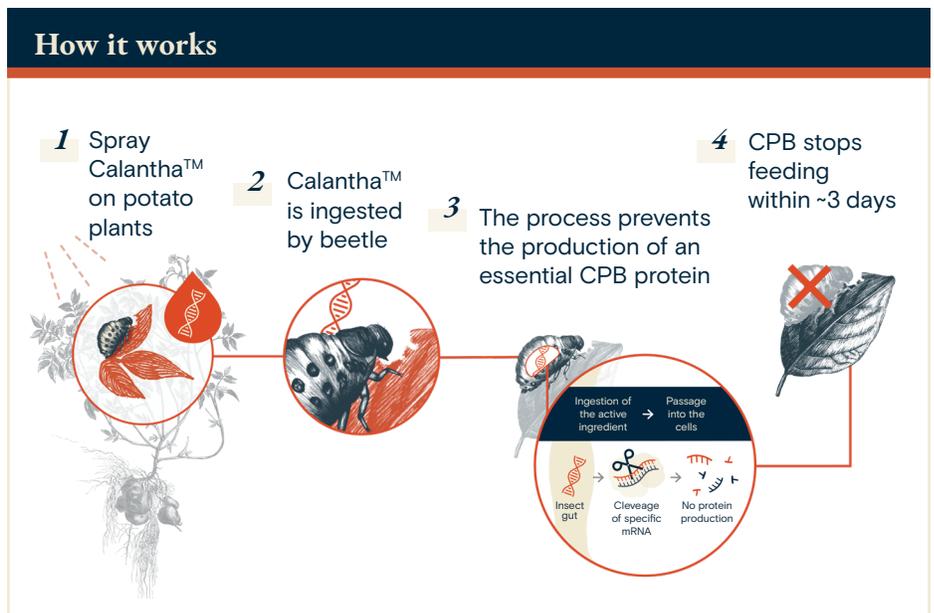
New technology delivers improved resistance management

The active ingredient in Calantha™, ledprona, is a new class of insecticide—Group 35 (pending registration).

This novel mode of action works by triggering a natural process in CPB after ingestion. The active ingredient prevents the production of an essential protein, leading to the death of the pest. CPB will completely stop feeding within 2-3 days after application.

Supports insecticide resistance management (IRM): Calantha™ is a new mode of action that should be rotated with other insecticides

Targeted by design: Promotes beneficial insects and supports IPM practices



For best performance spray Calantha™ between 10-50% egg hatch

Works best against small larvae



egg

1st instar

2nd instar

3rd instar

4th instar

pupa adult

Defoliation and yield protection is best when applied at 10-50% egg hatch targeting small larvae.

10% egg hatch



50% egg hatch



Late application can result in higher defoliation under heavy pressure

~3 weeks after hatch



1. Scout. Survey your field for the presence of adults, eggs and small larvae.

Tip: Pay special attention to border rows adjacent to unmanaged crop areas.

2. Assess. Note number of adult, larvae, and egg masses to determine treatment. Monitor the egg-hatch percentage.

Tip: Egg masses usually become darker when they are ready to hatch.

3. Apply. When needed, apply at least 2 successive applications aiming for 10-50% egg hatch.

Tip: Calantha™ works best against small larvae.

4. Monitor. To avoid resistance, rotate Calantha™ with other modes of action.

Tip: Follow label guideline on number of applications.

Forward-looking statement

Certain statements contained in this technical one-pager are "forward-looking statements" such as statements concerning current and future product performance, regulatory decisions and approvals, and other related facts. These statements are based on current expectations and currently available information. However, since these statements are based on factors that involve risks and uncertainties, the product's actual performance and results may differ materially from those described or implied from such forward-looking statements. Undue reliance should not be placed on these forward-looking statements, which are current only as of the date of this technical one-pager. The company disclaims any current intention or obligation to update any forward-looking statement or any of the factors that may affect actual results.

THIS DOCUMENT IS FOR INFORMATIONAL PURPOSES AND IT IS NOT AN OFFER FOR SALE. ALWAYS READ AND FOLLOW PESTICIDE LABEL DIRECTIONS.

© 2023 GreenLight Biosciences, Inc., a wholly-owned subsidiary of GreenLight Biosciences Holdings, PBC.