

New Wireworm Insecticide with Excellent Residual Activity

What is Capture?

Capture is a new tool for potato growers in the battle against wireworms. Bifenthrin, the active ingredient in Capture, provides protection against wireworm damage with an in-furrow spray at planting. This unique synthetic pyrethroid insecticide is more stable in soil than other pyrethroids, which is why it provides a superior protection zone for potato tubers against wireworm damage.

Capture is a liquid EC insecticide that is very convenient for growers who are set up to apply a spray in-furrow at planting.

Why use Capture?

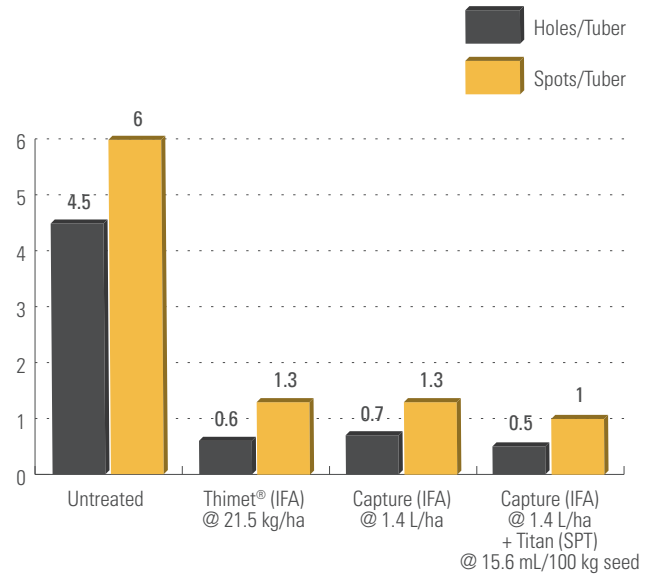
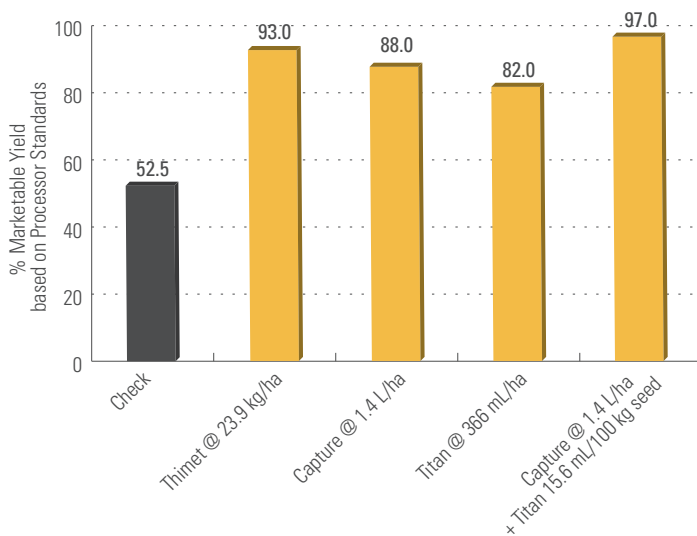
It significantly reduces wireworm damage

Research done by Agri-Food Canada has shown that Capture is effective in reducing wireworm damage in potatoes and the reduction is statistically similar to the current standard treatment.

Capture when combined with a neonicotinoid seed piece or an in furrow application enhances the performance of Capture. Data has shown that Capture with Titan provides the greatest enhancement of wireworm protection.

Research by Technology Crops International Cornwall, PEI – 2014

Main wireworm species – *Agriotes Sputator*



IFA = In-Furrow Application
SPT = Seed-Piece Treatment

It is easy to use

Capture comes in an easy to use 240 gram/litre EC formulation. Growers looking for wireworm damage reduction from Capture simply need to spray the product in 10 gallons of water/acre as an in-furrow spray at time of planting. Capture is very convenient compared to other treatments that require the application of large amounts of granular product in-furrow.

It has all major export market maximum residue limits (MRLs)

MRLs are available for bifenthrin in the USA, Japan, Dominican Republic, Indonesia, Thailand, Venezuela and most export countries. This is important to ensure that potatoes and potato products from fields treated with Capture will be able to be sold to Canada's major trading partners.



What rate and timing should you use?

The application method of Capture will affect the control of wireworm damage in potatoes. It is important to follow the following recommendations.

Application Rate: The recommended use rate will depend on the level of wireworm pressure. The most effective rate is 1.4 L/ha or 567 mL/acre.

Control Enhancing Partners: To increase control, a neonicotinoid insecticide can be used in-furrow or as a seed-piece treatment. This will also provide above ground pest control.

Application Timing: At planting.

Application Method: In-furrow spray or T-band spray. Use 10 gallons water per acre (38 L/acre). Ensure the spray covers a wide band in the furrow to protect the mother and daughter tubers.



Other Information

Capture is registered as an in-furrow spray only.

If looking to tank mix Capture with any other products, FMC recommends a jar test for compatibility.

Re-entry Interval: 12 hours

Water Volume: Use a minimum of 10 gal/acre (38 L/acre) spray water for a wide in-furrow spray or T-band.

Pump: Since Capture is an emulsifiable concentrate formulation, please ensure pump seals and parts are compatible. Materials such as viton should be used.



Wide band spray covering the bottom and sides of the furrow to provide a protection zone for the tubers.



For complete information on Capture® and all FMC products please contact your local FMC sales representative or visit FMCcrop.ca

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