Use of plastic barriers to control potato weevil

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The technological solution

The Andes weevil (Premnotrypes spp.) does not fly and enters potato fields by moving along the ground, for which the effectiveness of plastics as physical barriers to interfere with the migration of weevils to potato fields was evaluated.

Results

- Plastic barriers are effective for the control of the Andean weevil in the Andean zone.
- Its greater efficiency is obtained in fields with rest.
- Plastic barriers are cheaper than insecticides and have a lower environmental impact.
- Easy to adopt and adapt by farmers.

Description

Use of plastic barriers 50 cm high to reduce the populations of adult weevils, the risk to the farmer and the environment.

+1500
Farmers benefited

-39 %
Weevil damage reduction

807
US/ha
Net profit up to
ABOUT FONTAGRO

FONTAGRO is a unique cooperation mechanism for agricultural innovation in Latin America and the Caribbean (ALC) and Spain, that works through regional platforms. It is composed of 15 countries that have contributed capital exceeding 100 million dollars and the Inter-American Development Bank (IDB), which is its legal representative.

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