

Los Andes **Community of Practice**



Project Partners



Earmer Organization

Pest Management: Yanapai Agrobiodiversity Project 2005-2015

More resilient and productive ag systems

According to baseline (n=181; 2011) and endline (n=271; 2014) surveys, losses due to Andean Weevil went from 80% to 26%. Potato yields increased from 0.52 kilos/ m2 in 2010 to 2.5 in 2014 and native potato yield increased from 0.34 to 0.5. Farmer informants in discussion groups (n=90) say they now have much more production with which to feed their family and sell.

Integrate M&E

Strengthen capacity in pest research

Participants increased their pest management knowledge after training session significantly, especially among young people. Many community leaders attended the sessions.

Extension (including games) •

To encourage more widespread impact of projects results and learning, Yanapai collaborated with another CCRP funded project INNOMIP, that was focused on working with communities to better understand pest dynamics at a landscape level and take appropriate actions at an individual and collective level. They do this with a role playing game tied to a multi-actor computer model that shows the implications of the players' choices on pest populations and potato production over time.

Participatory research

START HERE



Test and refine management options (practices), including working with farmers

(2008) Farmers (155) measured weevil infestation and recorded their management practices. The most decisive factor in reducing weevil infestation were **physical barriers** like rivers and the borders of the fields. The average level of infestation at the center of the field was 16% and 24% in the borders of the field. There were 28 other significant factors including good seed storage practices, use of a low-toxicity pesticide at a optimal time, rotation, and hilling.



Diagnosis

Agrarian reforms -> lands that were once managed communally as sectoral fallows -> privatized so that potato fields are not as ---- Contextualization clustered and rotated, thus causing an explosion in weevil damage (Parsa, 2009, 2011). Some ecological methods like plastic barriers, were never adopted by Choppca farmers.

Collaborate with organizations at all levels



Policy impacts including use of toxic inputs as well as market and community policies for P&D control

The local govts were convinced of landscape level action and hosted a competition where the family that had the lowest rate of infestation won a backpack sprayer. The community also banded together to collectively buy the blue label pesticide and divide it among themselves.

Incentivize, support & reinforce farmer participation to ensure responsiveness to farmers' needs, knowledge, problems, concerns & constraints



LEGEND:

Results

CCRP Principles

