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SMALL FARMER SOLUTIONS

The Small Farmer Solutions activity is an applied research partnership with the Consultative Group on International Agricultural Research (CGIAR) that seeks to identify cost effective pest mitigation measures for smallholder families in the Peruvian Amazon.

HOW DOES SMALL FARMER SOLUTIONS WORK?

This activity pilots field-based solutions for mitigating the adverse impact of cadmium uptake and cacao pod borer on the cacao value chain in Peru. The solutions that appear most effective will be piloted by groups of farmers in three different areas to determine scalability, ease of use and effectiveness across a wider combination of field conditions.

EXPECTED RESULTS

- Identify potential soil amendments to reduce cadmium uptake from six field trials to test the effectiveness of different soil amendments in reducing cadmium accumulation in cacao grains.
- Identify promising genotypes that appear to accumulate less cadmium than average. This material will be trialed through grafting onto rootstock to determine its potential for use in reconversion of cacao plantations in areas with high cadmium accumulation.
- Produce a portfolio of existing biological control agents (bioagents) for cacao pod borer (*Carmenta* spp.) currently in use and evaluate recommendations, formulations, quality control standards, protocols for monitoring and assess their effectiveness.

PROJECT INFORMATION

IMPLEMENTER: Bioversity International

PROGRAM DURATION: August 4, 2020 – August 3, 2022

USAID FUNDING: \$800,000

LOCATION: Lima, Huanuco, San Martin, and Ucayali

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