

PERU

The Fruit Fly Plague



PROGRAM

Program to eradicate the fruit fly plague in the coastal areas of Peru



UNIVERSE

Type of Evaluation
Geographic Regression
Discontinuity

Database
615 producers = 307 beneficiaries
and 308 controls



INTERVENTION

Farmers were offered a comprehensive package that included:

- Training in pest prevention and control
- Release of sterile male fruit flies to stop the flies reproductive cycle
- Application of species-specific insecticides
- Installation of quarantine centers

WHY ARE WE DOING THIS EVALUATION?

To identify and measure the causal short-terms effects of the program on farmers' agricultural outcomes and knowledge.



Increased their knowledge about the pest & prevention

10%



Increased productivity (value of production of fruit per plant) by

15%



Increased their probability of implementing pest prevention and control measures

35%

Increased value of fruit sales

370%



Increased total fruit production (in kilos) by

65%



CONCLUSIONS

Pest eradication programs work when they combine the provision of control measures in specific geographic areas with intensive training to farmers in pest prevention and control



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