

# Nicaragua

Program: Agrifood Support Program (APAGRO)



## PROGRAM

APAGRO aims at **boosting food security** of small-scale female farmers, by increasing livestock production and income.



## UNIVERSE

**Type of evaluation:** Difference – in – difference and Propensity Score Matching combined with a Randomized Phased-in for a subsample.  
**Database:** 1081 producers = 570 beneficiaries and 511 controls.



## INTERVENTION

**The program financed:** (i) The acquisition of livestock assets. Specifically, beneficiary producers could select among three different livestock packages that included different combinations of cows, pigs, sheeps and chickens; and (ii) The provision of technical assistance on livestock management, commercialization, associativity and financial education.

## WHY ARE WE DOING THIS EVALUATION?

To present evidence on the impacts of livestock transfer programs on food security, and the link with women's empowerment.



Increased **agricultural production** by **60%**



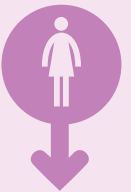
Increased **income from livestock sales** by **>200%**



Increased **home consumption** by **18%**



Reduced the probability of **women's disempowerment** by **15%** and reduced the probability of gender imbalance by **18%**



Increased **protein intake** by **12%** and **food consumption** by **11%**



## CONCLUSIONS

Projects that aim to increase livestock assets and production can play an important role on food security by improving food availability, food access and food use. Moreover, the results are stronger when accompanied with technical assistance. In addition, targeting women and vulnerable groups through these interventions can generate greater empowerment and reduce inequality gaps.

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