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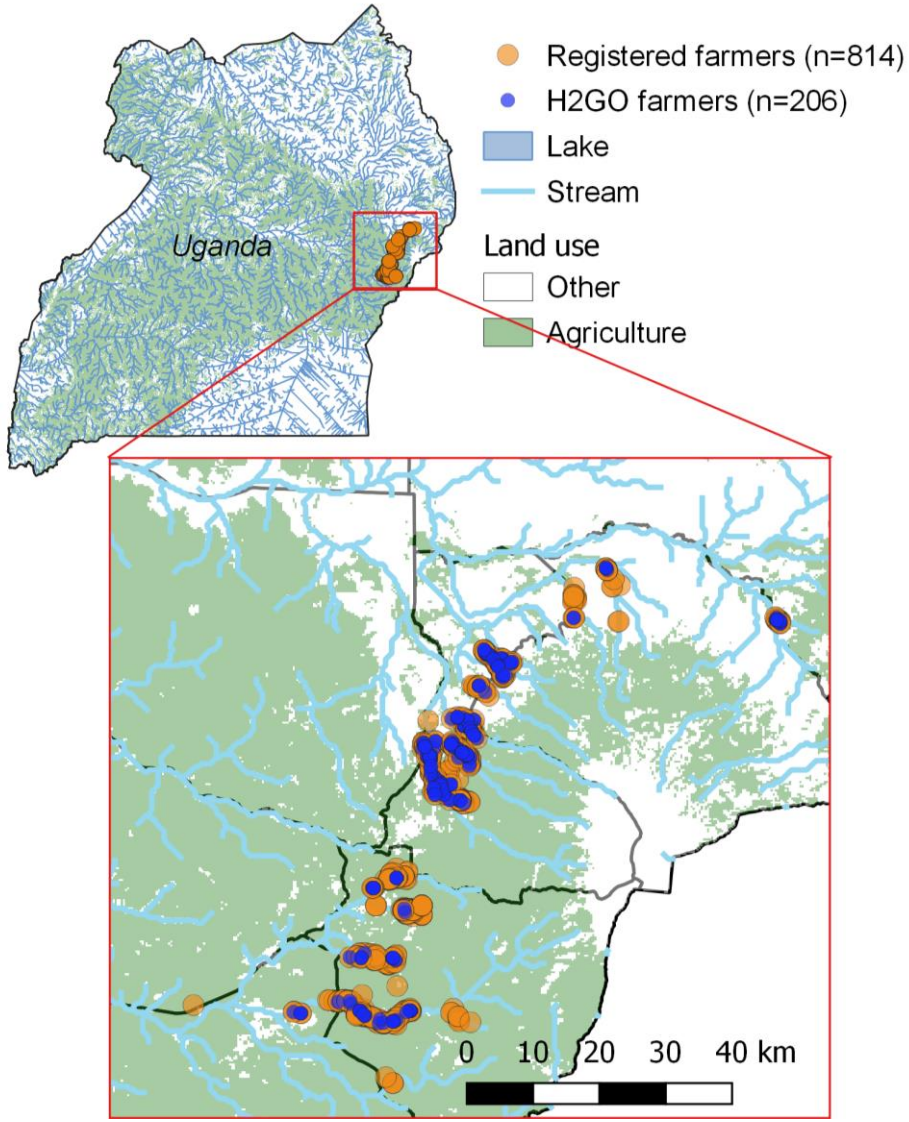
H_2GO Pilot Summary

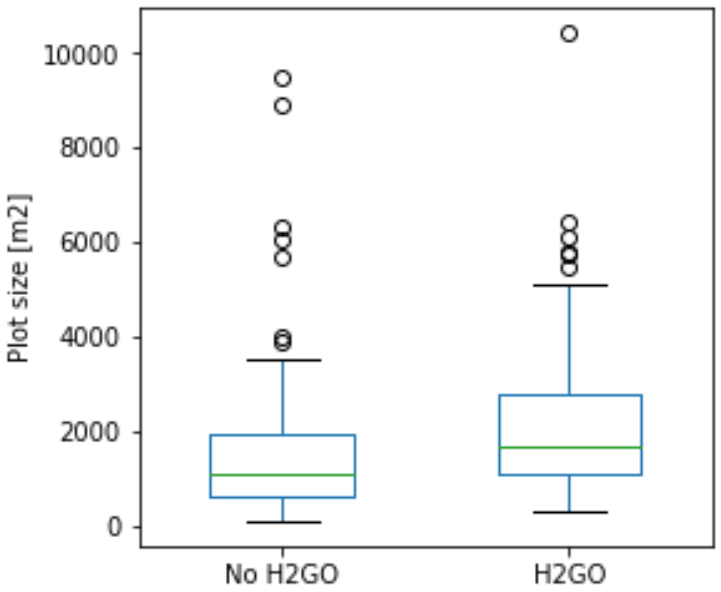
July 2020

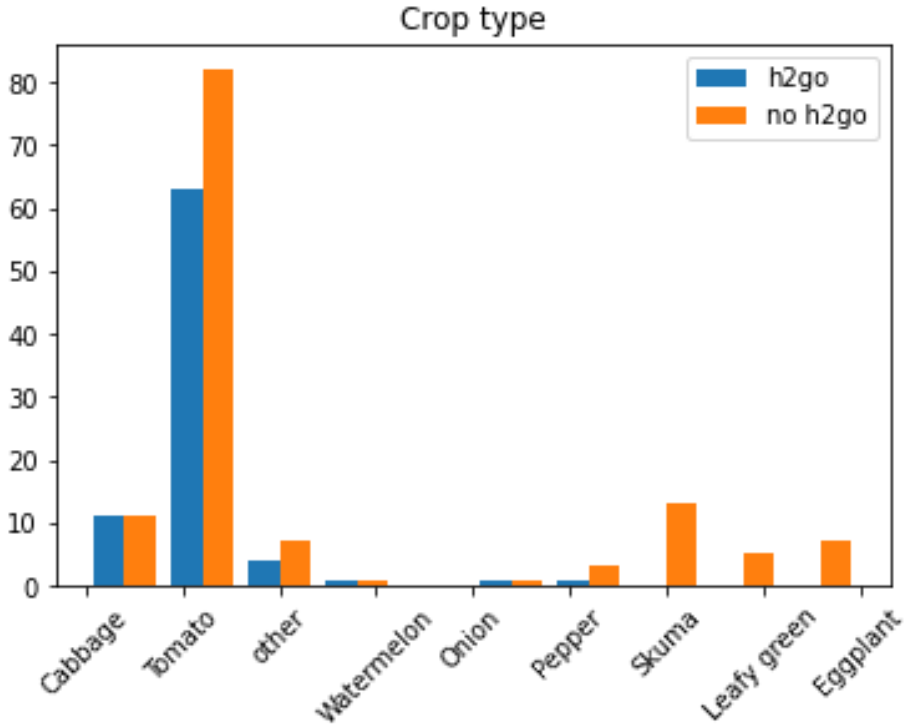
Executive Summary: Farmers willing to pay for H2GO service and recommend it

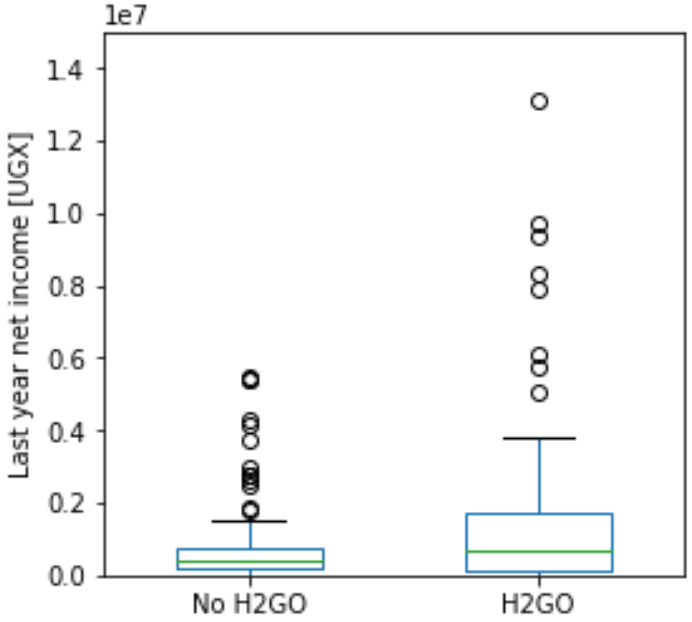
- Field Pilot: Dec 2019 – April 2020
  - Two office locations with irrigation equipment
  - ~10 motorcycle riders per office
  - 814 farmers ‘registered’ and expressed interest
- 206 Farmers paid for H2GO service
  - Irrigation price covers fuel and rider time
- A majority of farmers reported:
  - H2GO increased their yields
  - They would use H2GO again
  - They recommend H2GO to friends and family
- Inconsistencies in quantitative data precludes robust results of H2GO financial benefit to farmer – further measurements required



H2GO users are similar to control group, but have slightly larger plots and reported income



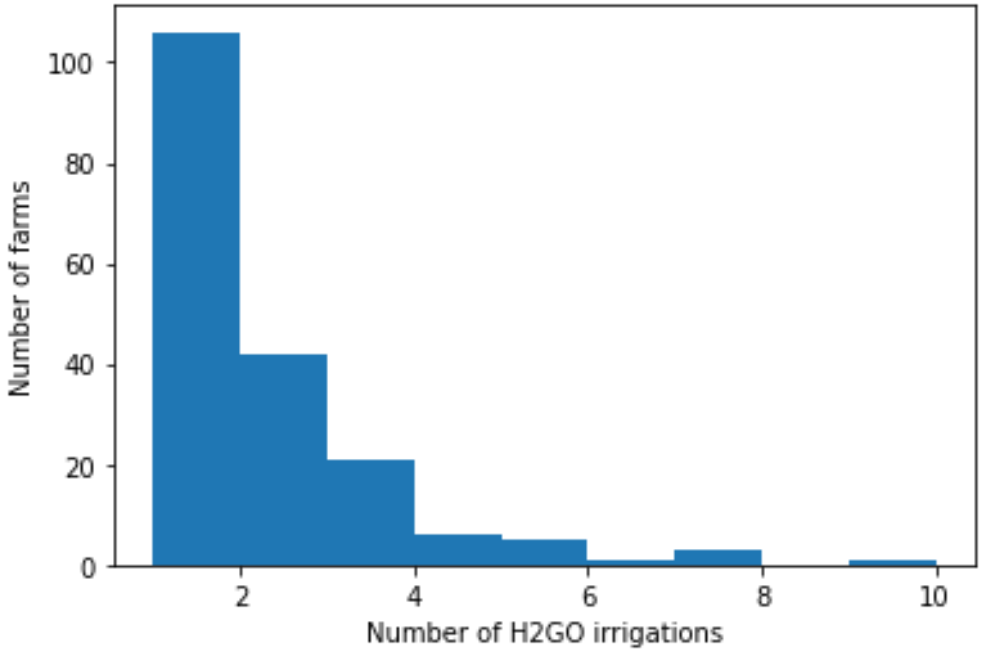


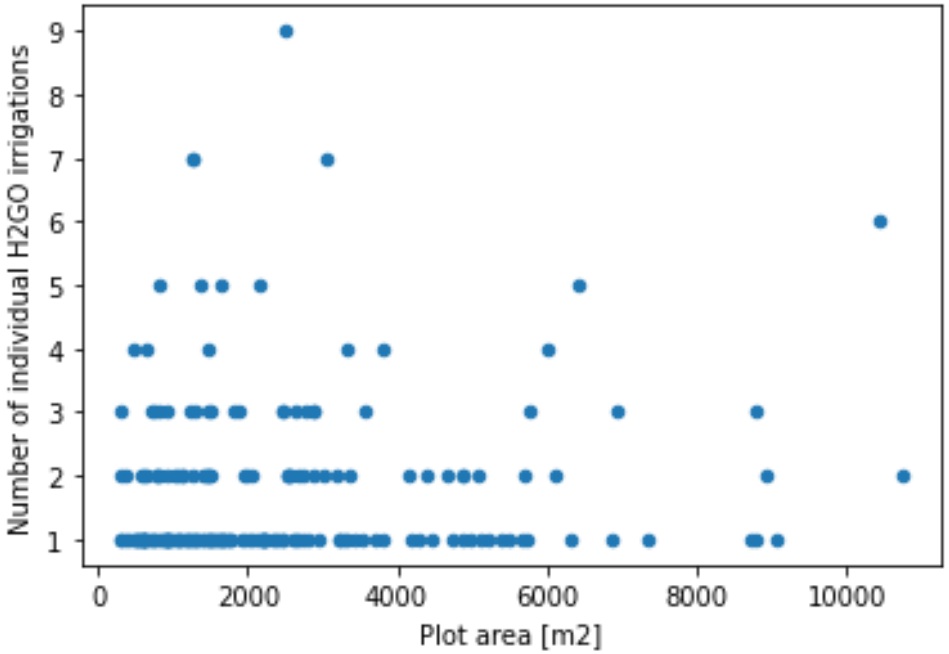


Pilot Irrigation activity during a relatively rainy “dry” season

- > 312 mm rain on all plots (500 mm is ideal for most vegetables)
- Farmers used H2GO service 1 to 9 times during the season
  - Mean H2GO services = 1.8 /season
- Mean H2GO service duration = 4.5 hr/event

Repeat customers were fewer than expected, likely due to rain during the “dry” season





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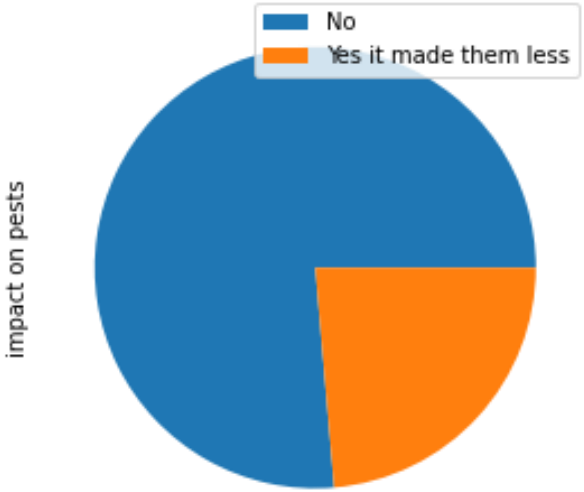
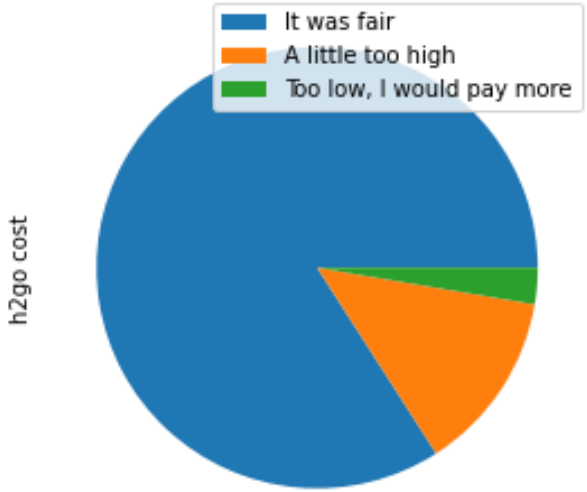
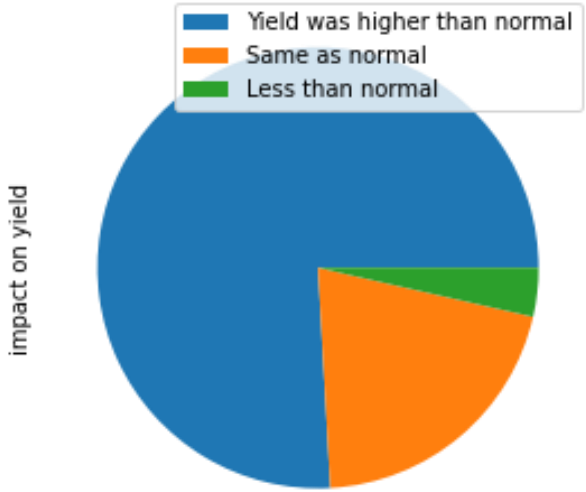
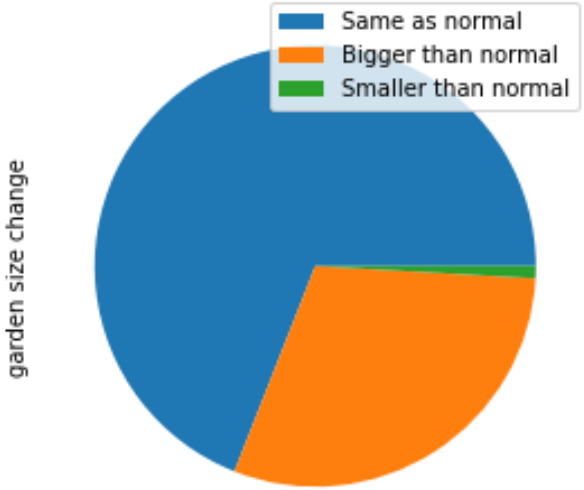
Ninety-one farmers surveyed post-harvest; 99% would use H2GO again

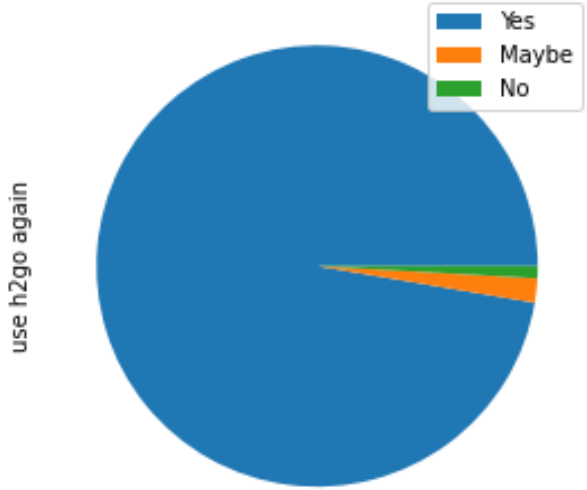
100% of customers would recommend H2GO service to friends and family

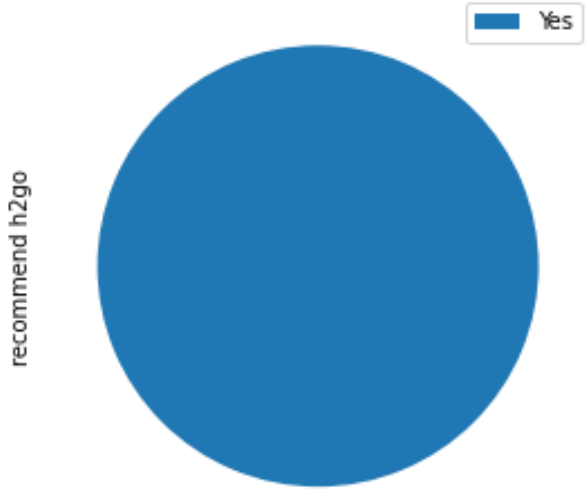












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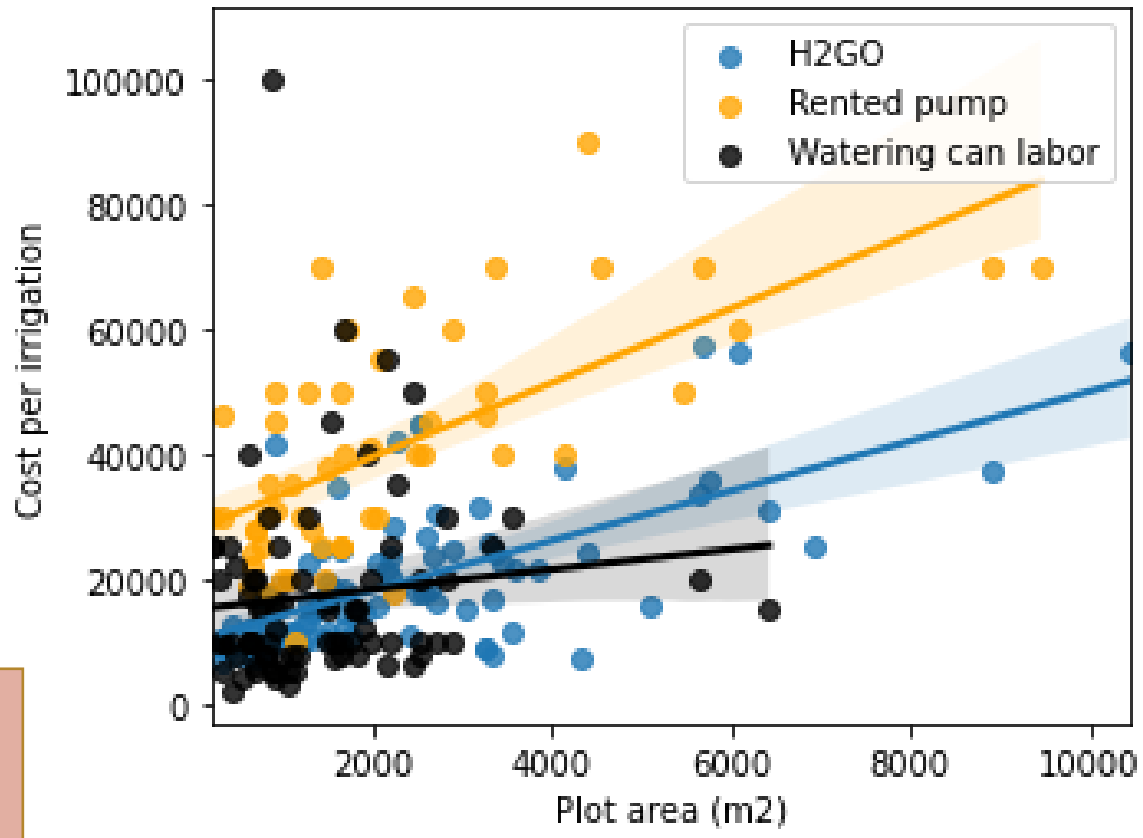
Cost for H2GO is lower than renting a motor pump, and lower than paying for water can labor on small plots

- H2GO farmers also paid for other irrigation types, *mostly occurring before they knew about H2GO*
  - 54 (56%) of H2GO users also paid for irrigation
  - 36 (37%) of H2GO users also hired motor pumps
- Average H2GO cost **per hour** = 5,160 UGX
- Average H2GO cost **per day** = 19,700 UGX
- Average bucket watering cost **per day** = 17,400 UGX
- Average hired pump cost **per day** = 40,000 UGX



For farms <2000 m2 (0.2 ha), H2GO may be lower cost than paying for watering can labor.
Larger than 2000 m2, H2GO is typically lower cost than renting a pump.

*Note we are not showing cost per water delivered which would increase the value of H2GO relative to water can labor