Zoominar II on innovative success stories in the NENA region: Tool to support smallholders under COVID-19 disruptive impact 30 April 2020



Climate smart culture of genetically improved tilapia

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WorldFish

ACLiSAT- IFAD funded project







Tilapia Genetics improvement program GIANT(G9) dissemination strategy in Egypt

CSA

- Higher yield / unit of land and water, food security
- Produce high quality fish and easy to market life product
- Capture of nutrients for removal and use as fertilizers and biogas
- Easier fish health management; and apply biosecurity measures





In Pond Raceway System Principle



- Intensify production in 2% of pond volume (cells).
- No need for water exchange, only compensate evaporation and seepage. Use les water



- Less effort from farmers to take care of fish area.
- Use of smart tech. to monitor water quality, feeding & Security

World



Solid Waste Removal

1 kg of fish feedconsumed0.30 kg of solids ;



Reduce the impact of aquaculture on the environment



sh Growth, harvest & Economics

JLIFAD Investing in rural people

ltem	Average
Yield	2,845
1. Revenue	62,678
4. Total Cost	53,907
5. Net Return	8,770
Return on total costs	15%





Integrate Digital marketing & on demand harvest





The innovation is important for food security in semi-arid area where

water can be limiting to traditional pond aquaculture

- Such innovation (genetic gain and climate smart enable triple yield from same land with less water use.
- CSA provides good solution to food security, consumer health and save the environment.
- Integrate use of smart technology to improve system management and maintain system operating in case of pandemic disease outbreak

Thank You & Stay Safe

