

REPUBLIC OF RWANDA



RWANDA AGRICULTURE AND ANIMAL  
RESOURCES DEVELOPMENT BOARD



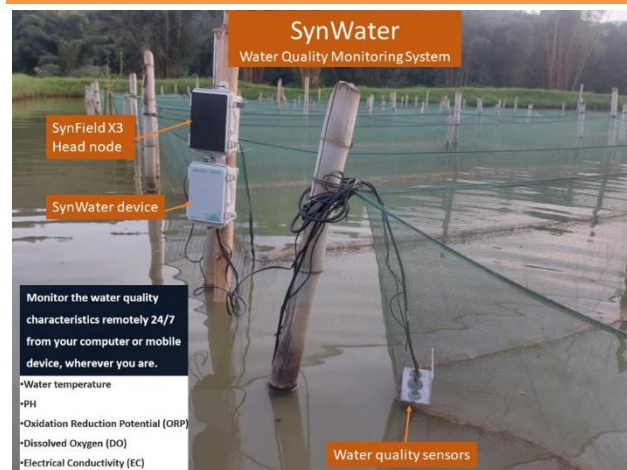
## Demonstration of Livestock Farming Studies with BSF Larvae Protein and Associated IoT Devices

Promotion of One Health sustainability partnership between EU-  
Africa through demonstration

Demonstration trial (Aquaculture farming)-Nkungu Site



1000 Fry Monosex Nile Tilapia fingerlings (*Oreochromis niloticus*) were randomly distributed in 15 hapas assigned to 5 treatments each in triplicate groups



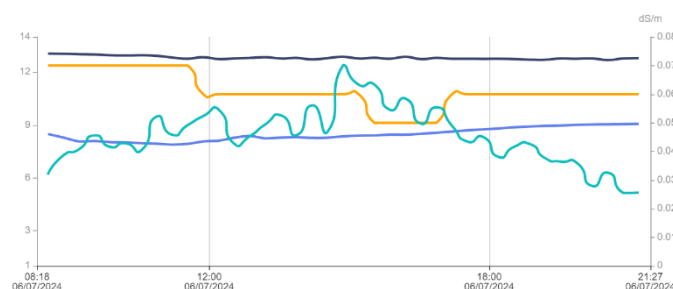
SynField and SynWater devices installed at the  
Nkungu site



- Water Temperature (rtd)
- pH
- Dissolved Oxygen (do)
- Oxidation-reduction potential (orp)
- Electrical conductivity (ec)



- HN-035842 (Connector 8d) - pH
- HN-035842 (Connector 8d) - Electrical conductivity (dS/m)
- HN-035842 (Connector 8d) - Oxidation reduction potential (ORP) (mV)
- HN-035842 (Connector 8d) - Dissolved oxygen (DO) (mg/L)



Consortium Partners:



Duration

October 2022 —  
September 2025

Project Coordinator

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