



National Updates and Opportunities to strengthen capacities for ASF outbreak management

Presentation Title:



Presenter: Dr. Anna Rose Ademun

Country and institution: Uganda, Ministry of Agriculture
Animal industry and Fisheries



Slide 1... Introduction:

- ▶ The pig livestock subsector is one of the fastest growing in Uganda.
- ▶ The recent 2021 UBOs census report indicated that Uganda has 2.2 M households (HH) keeping pigs compared to the 1.13 M HH in 2008.
- ▶ The pig population increased from 3.2M in 2008 to 7.1 M in 2021, representing a 123% increase (NLC2021).
- ▶ However, its constrained by the rampant disease outbreaks, mainly the ASFdisease.
- ▶ ASF is caused by the ASF virus of the family Asfaviridae.
- ▶ Its a highly contagious disease of pigs that poses a serious threat to both commercial and smallholder pig farmers in Uganda



Slide 2...

● ASF Epidemiology

- ▶ Reservoir in soft ticks
 - ▶ Survival > three years recorded
- ▶ Asymptomatic infection in warthogs and bushpigs
- ▶ **Two main mechanisms of transmission**
 - ▶ Sylvatic: Ticks feed on Warthogs, Moved out of the burrows
 - ▶ Infected ticks feed on the domestic pig
 - ▶ Infected pig transmit to the ticks (Vertical transmission)
 - ▶ The role of the bush pig is not very clear in the ASF cycle
- ▶ Domestic pig to pig cycle
 - ▶ particularly in urban & peri-urban areas
 - ▶ Its the most important mode of transmission in Uganda.



ASF OUTBREAK MANAGEMENT



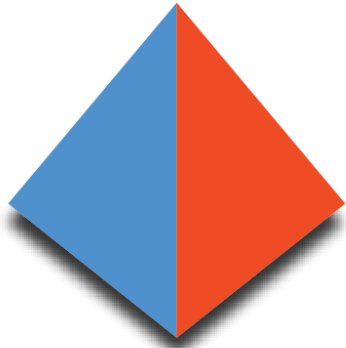
ASF outbreak investigation and Confirmation

- Field Vets or DVOs report suspected ASF outbreaks to the Center.
- Samples are collected and submitted to the National Veterinary lab. in Entebbe
- The samples include whole blood, organs from dead pigs such as liver, spleen, mesenteric lymphodes
- The samples will be tested using RT-PCR
- If confirmed, a report is submitted to the Commissioner Animal health/CVO who will in turn institute a quarantine on the affected district.
- The Quarantine will be reinforcing the temporary movement restrictions and ban on slaughter of pigs instituted by the DVO to stop spread in the district.



ASF outbreak interventions

- Instituting Movement restrictions where ASF outbreaks have been confirmed by PCR.
- Destruction of the infected flock has been recommended but difficult to implement since there is no direct way of compensating the farmers.
- Training of farmers on biosecurity measures especially in the hot spot areas by the Ministry, District Veterinarians, Community based organizations, NGOs, Pig farmer platforms, Press releases, Electronic Media.
- ▶ Development of the ASF control strategy with support from FAO is underway.
- ▶ Sourcing stock from disease free districts and farms (Screening).
- ▶ Research on ASF including epidemiology and Vaccine development
- ▶ Stakeholder engagement and organization to foster collaborations for ASF control
- ▶ Research on a mobile slaughter abattoir for pigs in hotspot districts is underway by ILRI as a way of minimizing spread of ASF



GF-TADs

GLOBAL FRAMEWORK FOR THE
PROGRESSIVE CONTROL OF
TRANSBOUNDARY ANIMAL DISEASES

Africa



Food and Agriculture
Organization of the
United Nations



World Organisation
for Animal Health
Founded as OIE

African
Union 