



Food and Agriculture
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International
Plant Protection
Convention

Africa Phytosanitary Programme



Implementation of APP in Kenya

(APP) Phase 2 · Train-the-Trainer workshop
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Co-organized by:



agriculture
Department:
Agriculture
REPUBLIC OF SOUTH AFRICA



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National APP structure/organization

- **APP national team organization**

- A project manager (Technical) coordinates the APP program in Kenya with the head of NPPO as the focal point.
- There are four key sections to support implementation of the program:
 - Pest surveillance & Diagnostics,
 - Data management and
 - Training & awareness creation.

- **Priority pests and crops targeted**

1. Banana: Banana bunchy top virus (BBTV) and *Fusarium oxysporum f.sp cubense* Tropical Race 4
2. Plants for planting (various species) and coffee: *Xylella fastidiosa*

- **Tablets deployed for surveillance**

46 tablets

Key APP activities implemented

- Six KEPHIS train the trainers were trained in Cairo Egypt during the phase one pilot of 11 countries in September 2023.
- Conducted **surveillance for Banana Bunchy top virus (BBTV) and Fusarium wilt of banana (FOC TR4)** with support from IITA and KEPHIS using the APP digital tools. Survey for *X. fastidiosa* on-going.
- **Initial training and distribution of tablets of 40 inspectors was conducted by KEPHIS facilitated by the 6 ToTs** on the use of APP digital tools in surveillance (ArcGIS Hub) and surveillance protocols for BBTV, FOC TR4 and *Xylella fastidiosa*.
- **A refresher training for KEPHIS inspectors** and other from Egypt, Uganda, Zambia and Zimbabwe was conducted in KEPHIS in January 2025..
- KEPHIS hosted hands-on simulation exercise on response to FOC TR4 in May 2024. 13 COMESA member state NPPOs representatives participated. APP digital surveillance tools were used in mapping the banana farms used for the exercise.
- Hosted visit by IPPC Secretary Dr Osama while meeting the Cabinet Secretary, Ministry of Agriculture in July 2024. This **visit enabled the familiarization of the APP to the Ministry** and KEPHIS was able to report the progress of APP implementation in Kenya.

Main APP outcomes and achievements

- Total of 46 trained phytosanitary inspectors on use of APP tools in pest surveillance.
- All the trained inspectors are using the tablets in surveillances in respective regions.
- Surveyed 3 priority pests (BBTV, FOC TR4, *X. fastidiosa*).
- APP Country implementation plan developed and shared with IPPC secretariat (2023). The plan implemented in 2024/25.
- Customized training materials for APP (surveillance protocols for priority pests, APP surveillance applications).
- KEPHIS yearly workplans prioritizes APP priority pests for surveillance.



Main Challenges

1. Delay in the delivery of additional tablets affected the schedule of the country APP implementation plan.
2. Lack of financial resources to undertake comprehensive surveillance of the prioritized pests and lab diagnostics.
3. Delay in getting the laboratory reagents and field supplies as per the Kenya's operational plan.
4. Lack of awareness to all relevant stakeholders in the Country has derailed the potential support of APP activities.



APP planning and Next steps

1. Undertake surveillance on Banana:
for Banana bunchy top virus (BBTV)
and *Fusarium oxysporum f.sp cubense*
Tropical Race 4 targeting major
banana growing regions and border
areas with Tanzania and Uganda
2. Undertake surveillance on Plants for
planting (various species) and
coffee: for *Xyllela fastidiosa*
3. Create awareness on APP activities
targeting key stakeholders (county
governments, farmer groups etc) and
4. Source for funding to undertake
training and surveillance.



Recommendations

- Open the APP Hub to allow addition of other priority pests at country level.
- Train at least 1 technical person per country to update priority pests and survey forms in the APP web.
- Resources support to countries to undertake actual surveillances of their priority pests.
- Map and document existing projects on priority pests in APP implementing countries, then incorporate APP activities.
- Countries to include APP activities in their yearly national plans. This will

enhance resource allocation to APP activities.

- Consider publishing the data and findings from the surveillances conducted in scientific journals.
- Create user accounts for all phytosanitary inspectors. This can allow all inspectors to participate in APP.



A stylized orange map of the African continent is centered on the slide. Several leaves in shades of purple, orange, and yellow are scattered around the map, some appearing to grow from it. The background features a warm orange gradient with abstract wavy shapes in shades of green and brown on the right side.

Africa Phytosanitary Programme Africa Train-the-Trainer Workshop Phytosanitary Programme

Thank you

Train-the-Trainer workshop

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