



REPORT

Launch and Train-the-trainer workshop of phase two of the Africa Phytosanitary Programme (APP)

Mbombela, Mpumalanga Province, South Africa

23-27 June 2025

IPPC Secretariat

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1. Introduction

- The Food and Agriculture Organization of the United Nations (FAO), the International Plant Protection Convention (IPPC) and partners launched the second phase of the Africa Phytosanitary Programme (APP) with a Train-the-Trainer (ToT) workshop from 23-27 June 2025 in Mbombela-White River, Mpumalanga Province, South Africa.
- The workshop was hosted by the Government of South Africa's Ministry of Agriculture, through the Department of Plant Health. It aimed to enhance the skills of phytosanitary officers in pest surveillance using advanced digital tools and geospatial software for monitoring, detecting and reporting pests of economic, regulatory and environmental importance in Africa.
- APP phase two builds on the momentum from phase one, launched in 2023, representing a major effort in Africa's commitment to managing the spread of plant pests and diseases, using cutting-edge digital tools. APP is funded through generous contributions from the European Commission, the United Kingdom of Great Britain and Northern Ireland and FAO.
- [4] ToT workshops participants included plant health specialists from Algeria, Cabo Verde, Chad, the Republic of Congo, Liberia, Malawi, Senegal, South Africa, and Tunisia in phase two. Additionally, six participants from phase one countries: Cameroon, Guinea-Bissau, Kenya, Mali, Zambia and Zimbabwe shared their experiences of APP implementation, highlighting activities, achievements and lessons learned.
- [5] Senegal, which joined APP a few weeks before the workshop, was supported by COLEAD through an ongoing Standards and Trade Development Facility (STDF) project on plant pest surveillance.
- [6] Once back in their countries, the participants, considered master trainers, will pass on the knowledge and skills to their peers, strengthening national and regional capacity in pest surveillance, diagnostics, identification and reporting and promoting regional collaboration.

2. Opening ceremony

- The workshop was officially opened by John Henry Steenhuisen, Minister of Agriculture of South Africa, represented by Jan Hendrik Venter, Director of Plant Health, South Africa. The Minister emphasised the importance of capacity building and enhancing compliance with international phytosanitary standards to position Africa as a leader in the trade of high-quality plant products.
- Beth Bechdol, FAO Deputy Director-General and IPPC Officer-in-Charge, delivered a video message. She welcomed the new countries and urged them to collaborate with FAO, the IPPC, the regional plant protection organisations and their respective national governments in effectively implementing the programme. She emphasised APP's contribution to building a critical mass of phytosanitary personnel across Africa, equipped to prevent and address plant pest threats that jeopardise food security, agricultural trade, economic growth and the environment.
- [9] Mylona Panagiota made remarks on behalf of the European Commission, Directorate-General, Health and Food Safety (DG SANTE). She noted the importance of the programme, which is partly funded through generous contributions from the European Commission.
- [10] Babagana Ahmadu, FAO Representative in South Africa, represented Patrice Talla- FAO Subregional Coordinator for Southern Africa. He noted that no single solution can fix Africa's pest problem and therefore regular surveillance is crucial in mitigating the impact of plant pests.

- [11] Mariusz Tadych from the Pretoria office of the United States Department of Agriculture (USDA) Animal and Plant Health Inspection Service (APHIS) recognised his agency's technical and financial support that kick-started APP phase one. He commended the IPPC and partners for advancing the programme and starting phase two.
- [12] Mohamed Habib Ben Jamâa, Executive Director of the Near East Plant Protection Organization (NEPPO), one of the regional plant protection organizations in Africa, highlighted APP as an important intervention for North Africa, where Tephritidae, Red palm weevil, *Xylella fastidiosa*, Cochineal of Cactus and Fall Armyworm are key threats.
- [13] Sandrine Bayendi from the African Union Inter-African Phytosanitary Council (AU-IAPSC) represented AU-IAPSC Coordinator, Saliou Niassy. She noted that APP is part of the plant health strategy for Africa (2022-2036) and an excellent platform for transforming Africa through sustainable agriculture and intra-continental and international trade of pest-free plant products.
- [14] Avetik Nersisyan, APP Coordinator and FAO Senior Agricultural Officer, made opening remarks on behalf of the IPPC Secretariat. His speech was followed by the screening of the APP informational video.

3. Open session with partners and APP implementation

- [15] Avetik Nersisyan opened the session with an overview of the IPPC and its work. He underscored the role of APP in achieving the IPPC's mission of protecting global plant resources and facilitating safe trade of agricultural products.
- [16] Descartes Koumba, Agricultural Officer at the IPPC Secretariat, then presented an overview of APP and the APP implementation plan, with countries joining in phases, aiming for implementation across the entire continent. He introduced APP as an initiative of the IPPC Secretariat and the African Union Commission to enhance the capacity of national plant protection organisations (NPPOs) in Africa to use science and digital technology for better surveillance and timely and effective control of pests.
- [17] He also highlighted the expected outcomes, APP governance structure, key achievements and communication outputs.
- [18] APP supports countries through the development of plant pest survey protocols, provision of tablets for digital pest surveillance, development of geolocated maps, provision of field survey supplies, as well as financial and technical (where necessary) support for national trainings on APP tools.
- [19] To share their experiences in implementing APP, Colince Nguelo, Luis Tavares, Bernard Mukoye, Adama Malle, Luyando Lyowa and Clemence Tauya presented the achievements, progress and lessons learned from Cameroon, Guinea-Bissau, Kenya, Mali, Zambia and Zimbabwe, respectively.
- [20] Wrapping up the session, Avetik Nersisyan presented the APP two-year workplan, the budget and APP Multidonor Trust Fund (MTDF). He encouraged countries to engage their national stakeholders and local donors in mobilising resources for APP implementation at the country level.

4. Survey management

[21] Descartes Koumba, Arop Deng and Elma Carstens (Chair of the APP Technical Working Group) presented on the APP pest survey, developing pest survey protocols by methods for screening, identification and diagnosis of plant pests, respectively.

- [22] Participants learnt about different surveillance approaches, organisational arrangements for effective surveillance, such as human resources, national legislation, funding, as well as planning and prioritising surveillance.
- During the training, participants received copies (in English and French) of survey protocols for 10 pests, some of which were developed by the APP Technical Working Group (TWG) and scientists from Africa (recommended by AU- IAPSC and NPPO of South Africa). The IPPC Secretariat is finalising the production of additional protocols, including 18 developed by plant pest risk analysis scientists from USDA APHIS.

5. Data collection management

- [24] Descartes Koumba facilitated this session, in which two instructional videos on data collection workflow and the APP GIS HUB were shown. The videos introduced participants to the APP geospatial tools for collecting, storing and retrieving data from the online APP portal. Each country can access only its data, available at any time and with full autonomy from other countries.
- [25] A practical session followed, where participants received state-of-the-art tablets with customised software and applications for practical pest survey sessions. Participants also undertook APP mobile exercises to download field maps ahead of the practical field sessions.

6. Pest survey protocols

The workshop focused on 10 of the priority pests listed by the countries (each listed five). These included *Bactrocera* spp (fruit flies), *Spodoptera frugiperda* (Fall Armyworm), *Antigastra catalaunalis* (Sesame webworm/Sesame capsule borer) and Babuvirus Banana bunchy top. Technical presenters from the APP Technical Working Group, experts from South Africa, FAO, CABI, IITA, NEPPO and the NPPOs of Kenya, Zambia and Tunisia delivered these presentations, focusing on key aspects to enable phytosanitary inspectors to detect, identify, monitor and report key pests.

7. Trapping and data collection

- This session involved presentations on the introduction to plant pest surveillance and monitoring, an overview of ARC's Plant Health Clinic and APP mobile exercises for participants to download field maps ahead of the practical field sessions.
- [28] Participants engaged in a tabletop exercise to develop national response plans for a hypothetical caterpillar outbreak in corn fields. They had to take the necessary prevention, early warning, management, response, communication and collaboration actions appropriate for their countries.
- [29] Participants visited three sites, where they tested the APP tools to enhance their pest surveillance, detection and identification of key pests.

8. Field exercises

The first site visit was to the Agricultural Research Council (ARC) for a practical session to demonstrate placement and servicing of traps targeting exotic fruit flies (*Bactrocera dorsalis*, *Zeugodacus cucurbitae* and *Bactrocera zonata*). Facilitated by experts from ARC and IPPC, the session included a microscopic demonstration of fruit fly identification, a demonstration of placing MAT blocks, and the practical use of the APP mobile applications to collect data on fruit flies, complete the survey, and save it in the outbox.

- [31] ARC also demonstrated microscopic identification of *Phytophthora palmivora* on infected papaya plants.
- The second site visit was to Banana GIBA Farm for a demonstration on identifying visual symptoms for Banana bunchy top virus, fusarium wilt of banana (TR4) and other banana diseases. ARC distributed pamphlets on different disease symptoms. Participants also used the APP mobile applications for sample collection, saving in the outbox for use later via the APP GIS Hub.
- [33] The field visits were complemented by the ARC's mobile clinic, where participants identified the banana aphid under a microscope, received trapping information on different fruit flies and fall armyworm and learnt about the sampling kit.

9. Global coordination and capacity development

- This session focused on APP governance and opportunities for collaboration with ongoing projects and interventions in plant health capacity development. Presentations included the IPPC's Pest Outbreak Alert and Response System (POARS), the IPPC Plant Health Campus, integration with FAO's plant protection activities and development of pest outbreak response plans.
- [35] The APP Operation Coordination, Technical and Communication Working Groups (OCG, TWG, CWG) made presentations on their roles and support to APP implementation, as well as recommendations for the sustainable implementation of APP.

9.1 Recommendations of the OCG

To IPPC Secretariat:

- (1) Secure sustainable funding to accelerate APP implementation across Africa.
- (2) Organize APP governing bodies' meetings twice a year to track progress; develop awareness materials and support the RPPOs with a dedicated staff.
- (3) Support RPPOs by providing one dedicated support staff member.
- (4) Communicate APP by developing awareness materials, reporting on day-to-day activities per country and using multiple pathways.

To donors:

(5) The OCG thanked and encouraged donors, including USDA APHIS (phase one), the European Commission, the United Kingdom of Great Britain and Northern Ireland and COLEAD and partners to continue supporting APP to scale up its implementation to more countries and, if possible, to increase their contributions.

To NPPOs:

- (6) The pilot countries should share information with other NPPOs, RECs and RPPOs.
- (7) Each pilot country should designate one focal person to oversee the programme.
- (8) NPPOs should take ownership of the initiative and consolidate resources at the national level, including support from local donors.

9.2 Recommendations of the TWG

- (9) To avoid uncertainty, clarify the objective of the protocols- whether to support pest detection, distribution mapping or data collection in support of market access. The intended use of each protocol should be clearly stated at the outset and discussed with participants.
- (10) Host-specific protocols should be developed for pests with multiple economically important hosts.

- (11) Experts should receive tablets (on a loan basis) for the duration of the workshop, to enable them to facilitate effective implementation.
- (12) Provide structured guidance on the use of tablets and on-site technical support, including a step-by-step tutorial or live demonstration early in the workshop, and downloadable user guides.
- (13) Time allocation for practical exercises and pest response planning- through modest reduction in theoretical contents or extension of workshop duration. This is achieved by allocation of additional time for hands-on practice with data entry and mapping tools and inclusion of dedicated sessions for the structured development of pest response action plans by engaging participants in scenario-based planning exercises and group discussions.
- (14) In future workshops, include case studies on how protocols developed under the APP framework contribute to successful surveillance or response and reinforce the value of investing in harmonised approaches and collaborative planning.
- (15) Given that the APP is implementing a regional approach, it is recommended that the pilot countries disseminate the benefits to other countries within the region.

9.3 Recommendations of the CWG

- (16) Countries should inform the IPPC Secretariat and APP CWG of any planned or known activities e.g., trainings, outreach, exhibitions, to highlight APP support.
- (17) Countries are encouraged to seek speaking or media (social media) engagement opportunities to highlight APP implementation progress and successes e.g. TV, radio, print
- (18) Countries are encouraged to use the APP communication messages, use the APP web page and information resources.
- (19) Countries are encouraged to include visibility, branding and communication activities in their national APP training plans, e.g., inviting some journalists and promoting the training on social media.

10. Communication and visibility

- The IPPC Secretariat coordinated communication and visibility of the workshop, in collaboration with FAO South Africa, the South African Department of Agriculture and FAO Regional Office for Africa.
- [37] For visibility and branding, banners, workshop materials e.g. notebooks, tote bags, field hats, certificates, folders, name badges and table tent cards were designed using the APP visual identity and co-branded by FAO and the South African Department of Agriculture (DoA).
- Journalists were invited to the opening ceremony and a joint press release was issued by FAO South Africa, DOA and FAO Regional Office for Africa (RAF).
- Social media platforms- X, Facebook and LinkedIn by the IPPC Secretariat, DoA, FAO South Africa and RAF were used to promote the workshop.
- [40] The DoA produced and shared live video recordings of workshop proceedings, hosted some participants on its podcast and published a blog.
- [41] The workshop was also documented through photography. Photos are available on the IPPC Flickr account and FAO Media Hub.

11. Closing of the workshop

- [42] All participants received certificates of participation, co-signed by FAO DDG Bechdol and South Africa's Minister of Agriculture, John Henry Steenhuisen.
- [43] Lot Mlati, Assistant FAOR (Programme), FAO South Africa and Avetik Nersisyan from the IPPC Secretariat made closing remarks.
- [44] Participants also filled out a general survey to evaluate the training workshop.
- [45] Arop Deng, APP Consultant at the IPPC Secretariat, presented the following next steps for the countries.
 - (20) Review the technical presentations and supporting documents from the TOT and organize, if needed, practical sessions to introduce APP and the survey tools to your team
 - (21) Liaise with the FAO country office and national authorities to facilitate the shipment and receipt of tablets from the IPPC Secretariat and the procurement of traps and field supplies
 - (22) Ensure identification of the national contribution to implement APP activities and include it in the annual planning and budget
 - (23) Develop and present a post-ToT report to the relevant national authority e.g. NPPO or Ministry of Agriculture, highlighting the outcomes of the training and the expected country commitment
 - (24) Draft an APP national operational plan (IPPC Secretariat to provide template) to outline key national activities and associated budget
 - (25) Identify 45 plant health inspectors who will be in charge of data collection for priority pests.
 - (26) Prepare a plan and budget for national training and mobilize financial and technical resources. IPPC will contribute up to USD 20,000.
 - (27) Identify key national stakeholders to potentially support and champion APP implementation.
 - (28) Organize the APP national management structure, including a programme manager (APP focal point), IT/GIS focal point, at least two plant pest diagnosticians (Entomologist and Pathologist), and the APP country trainers.
 - (29) For FAO: Identify FAO country office focal point (preferably an IT or plant health officer) to facilitate collaboration between IPPC Secretariat and NPPO.

Appendix 1: Agenda





AGENDA



Train-the-Trainer workshop
23–27 June 2025
City of Mbombela, Mpumalanga
South Africa



#PlantHealth

Co-organized by:











INTERNATIONAL PLANT PROTECTION CONVENTION (IPPC)

Africa Phytosanitary Programme (APP) | Phase 2

Train-the-Trainer workshop

23 - 27 June 2025 · Premier Hotel the Winkler

Mbombela, White River, Mpumalanga Province, South Africa

Monday 23 June			
Participants' registration (8:00) – 8:30 am)	IPPC Secretariat	
Opening ceremony (9:00 – 10:00) Moderator: Arop Deng and Jan Hendr	ik Venter		
Opening remarks: Minister of Agriculture, South Africa	15 minutes	John Steenhuisen	
Welcome remarks: FAO Deputy Director-General	5 minutes	Beth Bechdol	
Remarks: FAO Subregional Coordinator for Southern Africa and FAO Representative in Zimbabwe	5 minutes	Patrice Talla Takoukam	
Remarks: IPPC Secretariat and APP video	5 minutes	Avetik Nersisyan	
Remarks: European Commission, Directorate-General, Health and Food Safety (DG SANTE)	5 minutes	Panagiota Mylona	
Remarks: United States Department of Agriculture (USDA), Animal and Plant Health Inspection Service (APHIS), Pretoria, South Africa Office	5 minutes	Mariusz Tadych	
Remarks: UK International Biosecurity Programme (IBP)	5 minutes	Representative, UK IBP	
Remarks: Near East Plant Protection Organization (NEPPO)	5 minutes	Mohamed Habib Ben Jamâa	
Remarks: African Union Inter-African Phytosanitary Council	5 minutes	Sandrine Bayendi	
Group photo, coffee break and press conference (10:00 – 10:30)			
Open session with partners on APP implementation (10:30 – 12:30)			
Introduction to IPPC activities	10 minutes	Avetik Nersisyan	
APP overview and implementation	10 minutes	Descartes Koumba	
APP pilot phase implementation: Cameroon	10 minutes	Colince Nguelo	
APP pilot phase implementation: Kenya	10 minutes	Bernard Mukoye	
APP pilot phase implementation: Mali	10 minutes	Adama Malle	
APP pilot phase implementation: Zambia	10 minutes	Luyando Lyowa	
APP pilot phase implementation: Guinea-Bissau	10 minutes	Luis Tavares	

	APP pilot phase implementation: Zimbabwe	10 minutes	Clemence Tauya
	Q&A with partners	20 minutes	Arop Deng
	APP workplan, budget and Multidonor Trust Fund (MTDF) information	10 minutes	Avetik Nersisyan
Lunch	break (12:30 – 13:30)		
Technic	cal session (13:30 – 15:00)		
1	Workshop session	Duration	Presenter/Trainer
1.1.	Workshop housekeeping information	10 minutes	IPPC Secretariat
1.2	APP training objectives	20 minutes	Avetik Nersisyan
2	Session 2: Survey ma	nagement	
2.1	APP Pest survey overview	30 minutes	Descartes Koumba
2.2	Development of pest survey protocols	30 minutes	Arop Deng
2.3	Methods for screening, identification and diagnostic of plant pests	30 minutes	Elma Carstens
Coffee break (15:00 – 15:30)			
3	Session 3: Data collection management (15:30 – 17:30)		
3.1	APP mobile applications Video: data collection workflow	30 minutes	Descartes Koumba
3.2	Data storage and analytics: APP GIS HUB Video: APP GIS HUB	30 minutes	Descartes Koumba
3.3	Data collection devices (Tablets)- Set up devices and handling (Practical session)	60 minutes	Descartes Koumba / Arop Deng
Tuesda	ny 24 June		
	Recap of Day 1 (08:30 – 09:00)		
4	Recap of Day 1 (08:30 – 09:00) Session 4: Pest survey protocols 1 (9:00 – 10:30)		
4.1		40 minutes	Luyando Lyowa (Zambia)

	Samples and screening Data Collection		Tertia Grove (South Africa)
Coffee	break (10:30 – 11:00)		
	Continuation of session 4: Pest survey protocols 1 (11:00 – 12:30))	
4.3	Fusarium oxysporum f.sp. cubense TR4 (Fusarium wilt) Pest biology and identification Survey protocols Samples and screening Data collection	40 minutes	Diane Mostert (South Africa)
4.4	Phytophtora palmivora Pest biology and identification Survey protocols Samples and screening Data collection	40 minutes	Fahimeh Jami (South Africa) Olfa Beldi (Tunisia)
Lunch &	preak (12:30 – 13:30)		
	Continuation of session 4: Pest survey pro	otocols 1 (13:30 – 15:	00)
4.5	Babuvirus Banana bunchy top Pest biology and identification Survey protocols Samples and screening Data collection	40 minutes	Bernard Mukoye (Kenya)
4.6	Paracoccus marginatus Pest biology and identification Survey protocols Samples and screening Data collection	40 minutes	Selpha Opisa Miller/ Georg Goergen
Coffee break (15:00 – 15:30)			
5	Session 5: Trapping and data collection (15:30 – 17:30)		
5.1	Introduction to plant pest surveillance and monitoring	30 minutes	Julie Mokwele/ Roedolf Nieuwenhuis (South Africa)
5.2	Overview of Plant Health Clinic	30 minutes	Robyn Lyle (South Africa)
5.3	Instruction and preparation for the field activities	30 minutes	Julie Mokwele (South Africa)

5.4	APP mobile exercise – downloading field maps	30 minutes	Descartes Koumba (IPPC Secretariat)	
Wednesday 25 June				
6	Session 6: Field exercises (07:00 – 17:30)			
6.1	Travel to the fields	30 minutes	Maanda Rambauli, NPPO	
6.2	Practical session on trap setting	20 minutes	Tertia Grove (South Africa)	
6.3	Data collection with APP tablets and recording – overview	20 minutes	IPPC Secretariat Descartes Koumba NPPO South Africa Julie Mokwele	
	Hands-on experience of plant pest data collection			
6.4	Agricultural Research Council, farm, mango trees (fruit flies)		Participants	
	Banana field (BBTD, Fusarium TR4) Phytophthora palmivora on papaya trees	Rest of the day	7 0.000	
<i></i>	Mobile clinic - Screening identification and diagnostics		ADO Octab Africa	
6.5	of plant diseases		ARC, South Africa	
Thursday 26 June				
7	Session 7: Using data collected (08:30 – 10:30)			
7.1	APP GIS HUB Hands-on experience (Exercise) Review of APP GIS HUB	30 minutes	Descartes Koumba	
7.3	Group restitutions - Reviewing data on maps	60 minutes	Arop Deng	
7.4	Q&A on fields activities	30 minutes	Avetik Nersisyan	
Coffee	break (10:30 – 11:00)			
8	Session 8: Pest survey protocols 2 (11:00 – 12:30)			
8.1	Spodoptera frugiperda (Fall Army Worm) Pest biology and identification Survey protocols Samples and screening Data collection	40 minutes	Peter Chinwada (FAO-SFS)	
8.2	Xylella fastidiosa Pest biology and identification Survey protocols Samples and screening	40 minutes	Hichem Asses (Tunisia)	

	Data collection		
8.3	Q&A pathogens	20 minutes	Arop Deng
Lunch (
	Continuation of session 8: Pest survey protocols 2 (13:30 – 15:00	0)	
8.4	Rhynchophorus ferrugineus (Red Palm Weevil) Pest biology and identification Survey protocols Samples and screening Data collection	40 minutes	Ben Jamâa (NEPPO)
8.5	Antigastra catalaunalis Pest biology and identification Survey protocols Samples and screening Data collection	40 minutes	George Olouch Onyango Kere Wendata Adizatou
Coffee	break (15:00 – 15:30)		
Continuation of session 8: Pest survey protocols 2 (15:30 – 17:00)			
9	Session 9: Operational implementation phase 2 (15:30 – 17:00)		
9.1	Tabletop – Response plan to plant pests (Group discussion) - Phase 2 countries	60 minutes	Descartes Koumba Elma Carstens Participants
Friday	27 June		
Recap	Thursday 26 June (08:30 – 09:00)		
10	Session 10: Global coordination and capacity development (09:0	00 – 10:40)	
10.1	Global Coordination Group recommendations for APP implementation	20 minutes	Sandrine Bayendi / Ben Jamâa
10.2	Technical Working Group recommendations for APP implementation	20 minutes	Elma Carstens
10.3	APP Communication plan and recommendations for APP implementation	20 minutes	Kellen Karuti (Kenya)
10.4	Opportunities for APP integration in FAO plant protection activities	20 minutes	Peter Chinwada (FAO-SFS)

10.5	Surveillance of plant pest populations with digital tools, early warning systems, and regional cooperation	20 minutes	Maged Elkahky (FAO-NSP)		
Coffee	Coffee Break (10:40 – 11:10)				
Continu	uation of session 10: Global coordination and capacity developme	ent (11:10 – 12:30)			
10.6	Opportunities for resource mobilization, including local donors	20 minutes	Avetik Nersisyan		
10.7	Pest Outbreak Alert and Response System (POARS) contribution to APP	20 minutes	Panagiota Mylona POARS Steering Group		
10.8	IPPC support to strengthen phytosanitary capacities (IPPC Plant Health Campus, diagnostic protocols, PCE, NROs, POARS)	20 minutes	Descartes Koumba		
10.9	Response plan to plant pests	20 minutes	Ivan Rwomushana CABI		
10.10	Q & A Global coordination	20 minutes	Anita Tibasaaga		
Lunch (12:30 – 13:30)					
11	Session 11: Closing ceremony (13.30 – 15.30)				
11.1	APP next steps for phase 2 countries	30 minutes	Arop Deng		
11.2	Training evaluation survey	10 minutes	Anita Tibasaaga		
11.3	Issuing of participant certificates	40 minutes	Avetik Nersisyan (IPPC Secretariat) Babagana Ahmad (FAO South Africa) Jan Hendrik Venter (NPPO South Africa)		
11.4	Closing remarks	30 minutes	Avetik Nersisyan (IPPC Secretariat) Babagana Ahmad (FAO South Africa) Jan Hendrik Venter (NPPO South Africa)		

Appendix 2: List of documents

AGENDA ITEM	DOCUMENT TITLE	DATE POSTED / DISTRIBUTED
6	Survey protocol for Thaumatotibia leucotreta (False Codling Moth)	23 June
6	Survey protocol for Bactrocera spp. Bactrocera spp (Fruit Flies)	23 June
6	Survey protocol for Fusarium oxysporum f.sp. cubense TR4 (Fusarium wilt)	23 June
6	Survey protocol for Phytophtora palmivora	23 June
6	Survey protocol for <i>Babuvirus</i> banana bunchy top virus	23 June
6	Survey protocol for Paracoccus marginatus	23 June
6	Survey protocol for Spodoptera frugiperda (Fall Armyworm)	23 June
	Survey protocol for Rhynchophorus ferrugineus (Red Palm Weevil)	23 June
6	Survey protocol for Antigastra catalaunalis	23 June

Appendix 3: List of participants

Region/Role	Name
Algeria	Samiha DRIS
Algeria	Samira Asfour
Algeria	Hassina Ouazar
Algeria	Amine Adimi
Algeria	Benhamadi Khadidja
Carbo Verde	Celestino Gomes Mendes Tavares
Carbo Verde	Laodice dos Santos Pinto
Carbo Verde	Gilbert Duarte Silva
Carbo Verde	Cesar Augusto de Martinho Lopes
Carbo Verde	Giselle Tatiana Andrade Furtado
Chad	Moussa Abderaman Abdoulaye
Chad	Beamlaot Doboye
Chad	Florent Allom
Chad	Viviane Maguirgue Eitchang
Chad	Maxime Dingamnaira-bi
Liberia	Nyaa-Lua Kapu
Liberia	Jeremiah Matthew Swinteh
Liberia	Joseph Beamah
Liberia	Garmonyou A. Sam
Liberia	Emmanuel Duleh Wisseh Jr.
Malawi	Haswell Blair DAMBOLACHEPA
Malawi	Gift Golden CHIMBIZI
Malawi	Chikondi Fanny MAERE
Malawi	David KAMANGIRA
Malawi	Raphael Saint BANDA
Republic of Congo	Alphonsine Louhouari Tokozaba
Republic of Congo	Danin Glory Francel Bassa Ngoualla

Region/Role	Name
Republic of Congo	Raissa Edwige Loubela
Republic of Congo	Aya née Liboko Gracia Mayva
Republic of Congo	Jules Fabrice Nkondi Ndandountsi
Senegal	Assane Célestin Badji
Senegal	Ousmane DIENE
Senegal	Yaye Fatou FAYE
South Africa	Jan Hendrik VENTER
South Africa	Simphiwe Mnguni
South Africa	Yolanda Mthembu
South Africa	Emily Munganga
South Africa	Ntuweleni Singo
South Africa	Julie Mokwele
South Africa	Maanda Rambauli
South Africa	Godfrey Makhubela
South Africa	Jeaneth Ngobeni
Tunisia	Olfa Beldi Ep. Khammassi
Tunisia	Asses Hichem
Tunisia	Amna Ben Messaoud ep Kadri
Tunisia	Ajlani Houssem Eddine
Tunisia	Mohamed Amari
European Commission	Panagiota Mylona
African Union Inter-African Phytosanitary Council	Sandrine Bayendi
USDA APHIS	Mariusz Tadych

Technical presenters and facilitators

Region /	Name
Role	
Stellenbosch University, South Africa	Diane Mostert
FAO Subregional Office for Southern Africa	Peter Chinwada
Kenya Plant Health Inspection Service (KEPHIS)	Kellen Karuti
Agricultural Research Council (ARC) South Africa	Tertia Grove
Agricultural Research Council (ARC) South Africa	Fahima Jami
Agricultural Research Council (ARC) South Africa	Pietie Van Niekerk
Citrus Research International	Elma Carstens
International Institute for Tropical Agriculture (IITA)	Georg Georgen
Center for Agriculture and Bioscience International (CABI)	Selpha Opisa Miller
Center for Agriculture and Bioscience International (CABI)	Ivan Rwomushana
Agricultural Research Council (ARC) South Africa	Robin Lyle
Agricultural Research Council (ARC) South Africa	Elize Jooste
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Region /Role	Name	Email address
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IPPC Secretariat	Ms Anita TIBASAAGA	Anita.Tibasaaga@fao.org

FAO South Africa

Name	Region /Role	
Lot Mlati	Assistant FAOR, Programme	
Luthando Kolwapi	Resource mobilisation, partnerships and communication consultant	
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Rachel Hlazo	Administrative Assistant	
Berenice Mammburu	Administrative Assistant	

NPPO of South Africa (DoA)

Name	Region/Role
Thozama Nonqane	Department of Agriculture, South Africa
Mmapaseka Mkhwanazi	Department of Agriculture, South Africa
Pumlani Zinyosi	Department of Agriculture, South Africa
Angeline Dibiloane	Department of Agriculture, South Africa
Khaukanani Ralishigu	Department of Agriculture, South Africa
Canny Makwaeba	Department of Agriculture, South Africa
Moses Rannditsheni	Media, DoA
Rincert Moremi	Media, DoA
Mpho Ramuntshi	Media, DoA
Prince Mtweni	Media, DoA
Samuel Kgatla	Media, DoA

Appendix 4: Media coverage

Article title	Media outlet
Africa Launches Second Phase of Phytosanitary Programme to Fight Crop Pests	All Africa
FAO, IPPC launch Africa Phytosanitary Programme	FAO Regional Office for Africa
Africa launches second phase of phytosanitary programme to fight crop pests	South African Government News Agency
Africa Phytosanitary Programme Phase 2 Launches to Combat Crop Pest Threats	Devdiscourse
Africa launches second phase of phytosanitary programme to fight crop pests	George Herald, South Africa
FAO, IPPC Rolls Out Second Phase of UN Pest Control Programme across Africa	Agrocentric News
FAO and IPPC Unveil Phase Two of Africa Phytosanitary Programme	Cyber Warriors Middle East
Food and Agriculture Organization of the United Nations (FAO) and International Plant Protection Convention (IPPC) launch second phase of the Africa Phytosanitary Programme	
Food and Agriculture Organization of the United Nations (FAO) and International Plant Protection Convention (IPPC) launch second phase of the Africa Phytosanitary Programme	APO Group, Ghana
Agriculture: Launch of 2nd phase of Africa Phytosanitary Programme	Liberia Industry Today
Africa Phytosanitary Programme Agriculture: Launch of 2nd phase of Africa Phytosanitary Programme	The Chad Business Wire Eco Wire Liberia
Agriculture: Launch of 2nd phase of Africa Phytosanitary Programme	Industry News Network, Zimbabwe

Appendix 5: Photos













Photos (L-R):

- Group photo ©FAO/Madelene Cronje
- DDG Beth Bechdol delivered a video message. ©FAO/Madelene Cronje
- Participants try out the APP mobile tools on tablets provided by the IPPC. ©FAO/Madelene Cronje Plant health officers use the APP digital tools to survey for banana bunchy top and banana fusarium wilt ©FAO/Anita Tibasaaga
- Jan Hendrik Venter (left), Head of NPPO of South Africa and Avetik Nersisyan (right), Senior Agriculture Officer at the IPPC Secretariat, congratulate one of the workshop participants. ©FAO/Anita Tibasaaga
- (L-R) Descartes Koumba, Arop Deng, Avetik Nersisyan and Anita Tibasaaga from the IPPC Secretariat during the learning tour to test APP tools for surveillance of banana diseases. ©South Africa NPPO/Khaukanani
- More photos here and here

Appendix 6: Some social media posts

