

The International Plant Protection Convention

IPPC Implementation Pilot Programme on Surveillance: toward Concrete Actions

2017 IPPC Regional Workshop
Date, City, Country



Food and Agriculture Organization
of the United Nations



International Plant
Protection Convention

Outline

1. Findings on pest surveillance from past Capacity Development Committee (CDC) and the Technical Consultation of Regional Plant Protection Organizations (TC-RPPO)
2. Revision of ISPM 6 *Guidelines for surveillance*
3. The IPPC pilot programme on surveillance
4. Advances on the 3 example pests:
 - *Xylella fastidiosa*
 - *Bactrocera dorsalis* complex
 - Invasive ants

Findings on pest surveillance from past Capacity Development Committee (CDC) and the Technical Consultation of Regional Plant Protection Organizations (TC-RPPO)

Top 5 quoted plant pests - diseases reported by CDC and TC-RPPO during 2014-2016

Plant pests - disease		
2014	2015	2016
Citrus greening disease (HLB)	Panama disease	Panama disease
Coffee leaf rust (CLR)	Citrus greening disease (HLB)	<i>Xylella fastidiosa</i> (Pierce's disease)
South American Leaf Blight (SALB)	<i>Xylella fastidiosa</i> (Pierce's disease)	Citrus greening disease (HLB)
Panama disease	Banana bunchy top virus (BBTV/BBTD)	<i>Xanthomonas axonopodis</i> pv. <i>Allii</i> (Bacterial blight)
Nematodes	Cassava brown streak virus disease (CBSD)	<i>Bursaphelenchus xylophilus</i> (pine wood nematode)

Findings on pest surveillance from past Capacity Development Committee (CDC) and the Technical Consultation of Regional Plant Protection Organizations (TC-RPPO)

Top 5 quoted plant pests - other reported by CDC and TC-RPPO during 2014-2016

Plant pests - other		
2014	2015	2016
Fruit fly	Fruit fly	Fruit fly
Tuta absoluta (tomato leaf miner)	<i>Tuta absoluta</i> (tomato leaf miner)	<i>Tuta absoluta</i> (tomato leaf miner)
Scale insects	Locust Plague	Locust Plague
Giant African Snail	<i>Rhynchophorus ferrugineus</i> (red palm weevil)	<i>Lymantria dispar asiatica</i> (Asian gypsy moth)
Armyworms	Rhinoceros Beetles	<i>Trogoderma granarium</i> (Khapra beetle)

Findings on pest surveillance from past Capacity Development Committee (CDC) and the Technical Consultation of Regional Plant Protection Organizations (TC-RPPO)

Top 5 quoted plant pests - other reported by CDC and TC-RPPO during 2014-2016

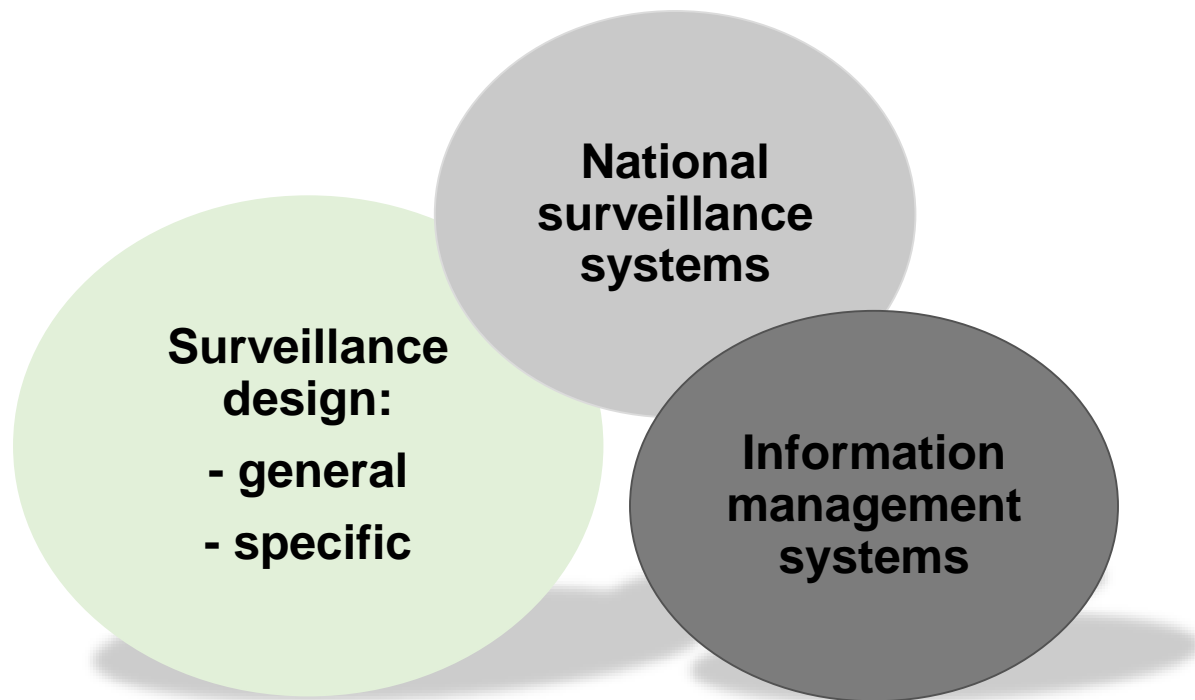
Plant pests - weed		
2014	2015	2016
-	<i>Solanum elaeagnifolium</i> (silverleaf nightshade)	<i>Parthenium hysterophorus</i>
-	<i>Pistia stratiotes</i> (water cabbage)	<i>Microstegium vimineum</i> (Japanese Stiltgrass)
-	<i>Parthenium hysterophorus</i>	<i>Solanum elaeagnifolium</i> (silverleaf nightshade)
-	<i>Myriophyllum heterophyllum</i> (broadleaf watermilfoil)	<i>Pistia stratiotes</i> (water cabbage)
-	<i>Striga hermonthica</i> (witch weed)	Others in general

- The results will be considered:
 - when the IPPC formulates a proposal to access funding from environmental-related resource mobilization partners
 - and for planning different capacity development activities.

Revision of ISPM 6 *Guidelines for surveillance*

- ISPM 6 *Guidelines for surveillance* was revised and sent for 1st consultation in 2016 and is currently under 2nd consultation

**Main
sections
in revised
ISPM 6:**



Results of the June 2016 Thailand meeting - Small group on surveillance

- The group confirmed work on the 3 example pests:
 - *Xylella fastidiosa*,
 - *Bactrocera dorsalis* complex and
 - invasive ants
- Aggregated material on these species is being reviewed
- Available material will shortly be posted on the phytosanitary.info webpage


News and report of this meeting:

<https://www.ippc.int/en/news/working-towards-a-stronger-focus-on-ippc-implementation-the-working-group-on-the-pilot-project-on-surveillance-convened/>



Implementation programme: pilot on surveillance

- Collect current resources (e.g. manuals, guidelines, programmes, publications)


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Call for Phytosanitary Technical Resources



Following key decisions of the 10th session of the Commission on Phytosanitary Measure (CPM) in March 2015, the Capacity Development Committee (CDC) at its 6th meeting in June 2015 agreed that the IPPC Secretariat should issue a call for the collection of following technical resources:

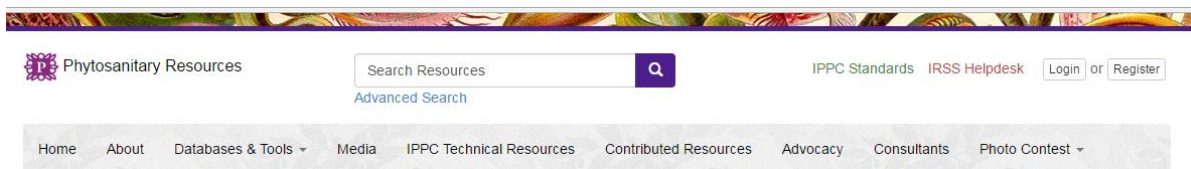
- Software applications (including mobile apps) for pest identification, diagnosis, surveillance and other activities related to plant health
- Plant health risk communication resources
- Technical resources (manuals, standard operating procedures, public outreach materials, projects, etc.) on general and specific pest surveillance

How to contribute phytosanitary technical resources

1. Create a user account through [here](#)
2. Click on icon "Login" and log in with your username and password
3. if you want to submit a resource click on icon "contribute"
4. Complete the form and submit the resource
5. Submitted resources will be reviewed by the CDC based on the [criteria](#) and appear publicly on the page
6. if you want to submit a photo for the contest click on [add a photo](#)
7. Complete the form and upload photos.

Implementation programme: pilot on surveillance

Aggregate and share resources on 3 example pests: *Xylella fastidiosa*, *Bactrocera dorsalis* complex and invasive ants



Call for technical resources to support the International Plant Protection Convention (IPPC) Implementation pilot project on surveillance



Following decisions of the eleventh session Commission on Phytosanitary Measures (CPM 11), the International Plant Protection Secretariat (IPPC) is calling for contracting parties, regional plant protection organizations (RPPOs) and other organizations to contribute phytosanitary technical resources to advance the IPPC Implementation pilot project on surveillance, for specific work on three example pests of interest:

- *Xylella fastidiosa*
- *Bactrocera dorsalis* species complex (including *B. invadens*)
- Invasive ants

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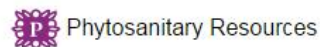
Implementation programme: pilot on surveillance

Aggregate and share resources on 3 example pests: *Xylella fastidiosa*, *Bactrocera dorsalis* complex and invasive ants

- Surveillance framework considering capacity development resources related to:
 - Pest Risk Assessment/analysis
 - Pest Risk Management
 - Emergency response planning
 - Communication (e.g. citizen science, stakeholder engagement, etc.)
 - Detection/diagnosis (e.g. protocols)
 - General Surveillance (e.g. tools and procedures)
 - Specific Surveillance (e.g. pest specific surveillance protocol, etc.)
 - Inspection at points of entry (e.g. guidelines for inspectors)
 - Management for eradication
 - Monitoring
 - Management for containment
 - Trade facilitation

Implementation programme: pilot on surveillance

Aggregate and share resources on 3 example pests: *Xylella fastidiosa*, *Bactrocera dorsalis* complex and invasive ants



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Contributed Resources / Contributed Resources

Contributed Resources

Title	date
Exotic Forest Insect Guidebook	Canadian Food Inspection Agency 03-05-2016
Provisional List of Suitable Host Plants of Oriental Fruit Fly, <i>Bactrocera dorsalis</i> (Hendel) (Diptera: Tephritidae)	USDA-APHIS 31-03-2017
Pacific Ant Project Training Manual: Surveillance for Invasive Forest Ants	USDA-APHIS 31-03-2017
Oriental Fruit Fly Cooperative Eradication Program, Miami-Dade County, Florida Environmental Assessment September 2015	USDA-APHIS 31-03-2017
Imported Fire Ant Program Manual	USDA-APHIS 27-02-2017
Alabama Fire Ant Management Project	USDA-APHIS 27-02-2017
National Exotic Fruit Fly Detection Trapping Guidelines	USDA-APHIS 27-02-2017
The Hawaii Fruit Fly Areawide Pest Management Programme	USDA-APHIS 27-02-2017
Guidelines for Plant Pest Risk Assessment of Imported Fruit and Vegetable Commodities	USDA-APHIS 27-02-2017
Review of Fruit Fly Surveillance Programs in the United States	USDA-APHIS 18-10-2016
Exotic fruit fly strategic plan FY 2011-2015	USDA-APHIS 18-10-2016
Plant Pest Surveillance	Canadian Food Inspection Agency 27-10-2016
Trapping Manual for Area-wide Fruit-fly Programmes	FAO/IAEA 27-10-2016
Model Business Plan for a Sterile Insect Production Facility	FAO/IAEA 27-10-2016
Action Plan for the Control of the African Invader Fruit Fly (<i>Bactrocera invadens</i> Drew, Tsuruta and White)	FAO/IAEA 27-10-2016
Weed Categorization Template	Canadian Food Inspection Agency 21-10-2016
Template for Plant Biology Document	Canadian Food Inspection Agency 29-04-2016



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International Plant Protection Convention

Implementation programme: pilot on surveillance

2 IPPC Diagnostic protocols (ISPM 27) being developed and under consultation until the 30th of September 2017 for:

- *Xylella fastidiosa*
- *Bactrocera dorsalis* complex

Implementation programme: pilot on surveillance

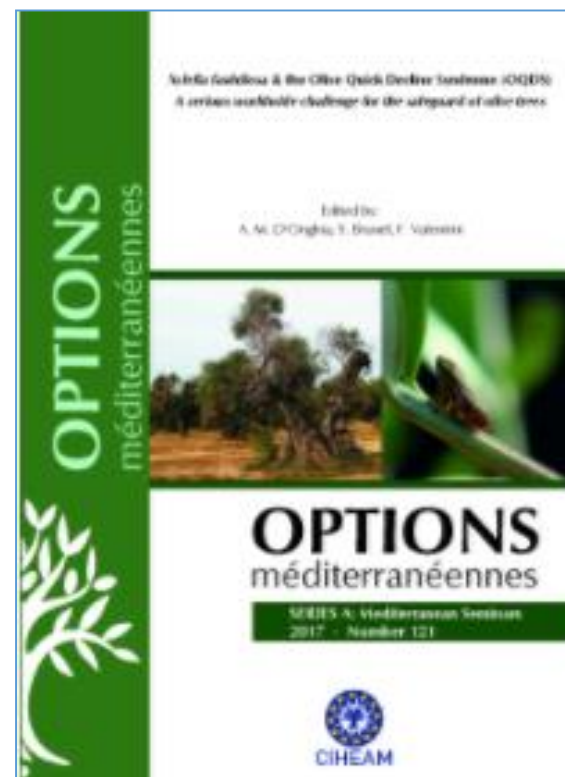
Develop and use resources and tools (e.g. IPPC Plant Pest Surveillance manual)



Advances on the 3 example pests: *Xylella fastidiosa*

Proceedings from the FAO-IPPC-CIHEAM International Workshop on *Xylella fastidiosa* held in April 2016 published.

Xylella fastidiosa & the olive quick decline syndrome (OQDS). A serious worldwide challenge for the safeguard of olive trees.



<http://om.ciheam.org/option.php?IDOM=1031>

Advances on the 3 example pests: *Xylella fastidiosa*

A factsheet was produced and distributed during CPM-12 with the collaboration of the CIHEAM and the European and Mediterranean Plant Protection Organization (EPPO).

The Animal and Plant Quarantine Agency of the Republic of Korea provides financial support to this programme. Consult and spread the factsheet.



Consult and spread the factsheet

[https://www.ippc.int/static/media/uploads/IPPC_factsheet_Xylella_final.p](https://www.ippc.int/static/media/uploads/IPPC_factsheet_Xylella_final.pdf)

Get involved in the pilot on surveillance

- Any other activities to be reported on *Xylella fastidiosa*, *Bactrocera dorsalis* complex and invasive ants?

Suggestions to get involved

- Contribute your surveillance resources

<http://www.phytopsanitary.info/contributed-resources>.

- Promote the importance of surveillance in your NPPO and other government agencies.
- Review your national and regional surveillance policies and legislation.
- Contribute funds to help support the pilot work activities.
- Demonstrate your progress at CPM-13!

Contacts

IPPC Secretariat

Food and Agriculture Organization of the United Nations

Viale delle Terme di Caracalla, 00153 Rome, Italy

Tel.: +39-0657054812

Email: IPPC@fao.org

Websites:

www.fao.org

www.ippc.int

<http://www.phytosanitary.info/>



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