

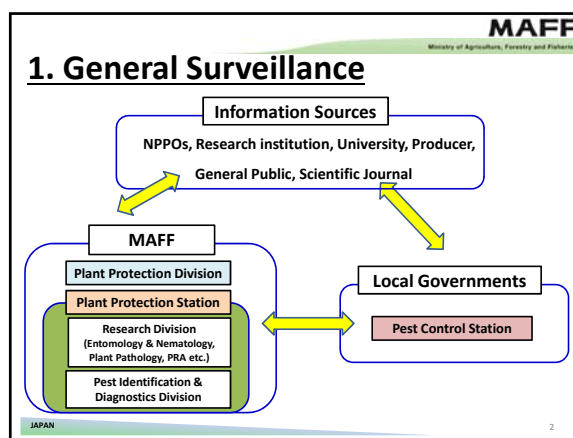
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Implementation Review of ISPM No.6 (Surveillance) in Japan

31 Jan. 2012

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MAFF, Japan

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1. General Surveillance

Use of Information

- compile host and commodity pest list
- develop pest list in an area
- pest management and control
- early detection of exotic pests
- eradication program

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2. Specific Surveys

2. 1 Detection Surveillance

Purpose : early detection of exotic pests

Target area : Sea/Air port, Post office, Producing site

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2. Specific Surveys

2. 1 Detection Surveillance

Target Pests	Method	Research period	Frequency
<i>Bactrocera dorsalis</i> , <i>Ceratitis capitata</i>	Steiner Trap	Monthly average high temperature: over 14 °C	2 times in a month
<i>Cylas formicarius</i> (Sweat potato weevil)	Funnel Trap	Monthly average high temperature: over 20 °C	2 times in a month
<i>Cydia pomonella</i> (Codling moth)	Jackson Trap	Monthly average high temperature: over 12 °C	2 times in a month
<i>Erwinia amylovora</i> (Fire blight)	Visual examination	Flowering and shoot growing season (spring)	2 times in a month

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2. Specific Surveys (PPV)

Plum pox virus (PPV)

Family : Potyviridae , **Genus** : *Potyvirus*

Host plant : genus *Prunus*

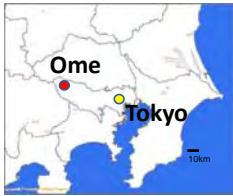
PPV symptoms on Japanese apricot

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2. Specific Surveys (PPV)

PPV was first detected in April 2009 in Ome city, Tokyo



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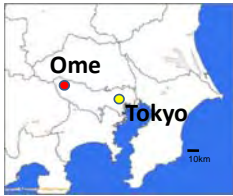
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2. Specific Surveys (PPV)

Japanese apricot orchards in Ome city



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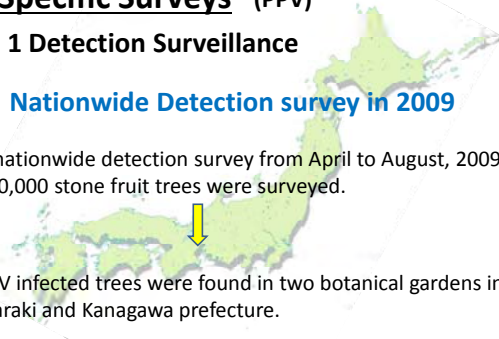
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2. Specific Surveys (PPV)

2. 1 Detection Surveillance

Nationwide Detection survey in 2009

- A nationwide detection survey from April to August, 2009.
- 290,000 stone fruit trees were surveyed.



- PPV infected trees were found in two botanical gardens in Ibaraki and Kanagawa prefecture.

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2. Specific Surveys (PPV)

2. 1 Detection Surveillance

Ibaraki and Kanagawa



- Infected trees were grafted with budwoods collected from infected trees in Ome city.
- All infected trees in Kanagawa and Ibaraki were eliminated immediately.

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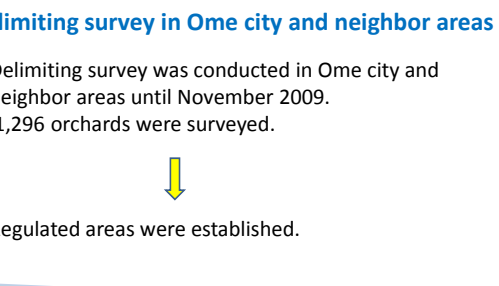
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2. Specific Surveys (PPV)

2. 2 Delimiting Survey

Delimiting survey in Ome city and neighbor areas

- Delimiting survey was conducted in Ome city and neighbor areas until November 2009.
- 1,296 orchards were surveyed.



- Regulated areas were established.

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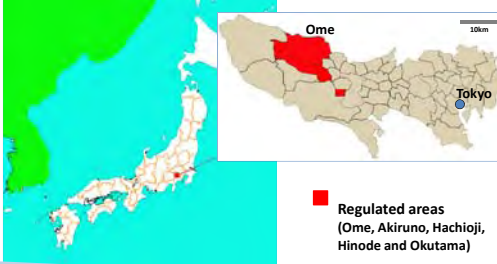
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2. Specific Surveys (PPV)

2. 2 Delimiting Survey

Regulated areas for PPV



Regulated areas (Ome, Akiruno, Hachioji, Hinode and Okutama)

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2. Specific Surveys (PPV)

Ministerial ordinance for PPV eradication : February 20, 2010 ~

- Movement restriction and containment of PPV host plants from the regulated areas.
- Elimination of PPV infected plants.
- Aphid controls.

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2. Specific Surveys (PPV)

2.3 Monitoring Survey

- Monitoring surveys have been conducted to examine the prevalence of PPV and the effects of eradication program in regulated areas

Future programs

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3. Good Surveillance practice

Training Programs for staff involved in Surveillance

- Pest Identification & Diagnostics
- Field recognition of pest and their symptoms
- Sampling Method

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4. Technical Requirements for Diagnostic Services

- Pest Identification & diagnostic Division supports surveillance
- National network is used to quickly and accurately identify the pest

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5. Record Keeping

Specimen of pest collected including name of pest, data of collection, locality and identifier

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6. Transparency

Pest report of PPV is available at <http://maff.go.jp/pps/>

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Implication for Revision of ISPM No.6

- Reporting network among related agencies
- Public awareness campaign

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