

## 2.8 JAPAN

(non-membership of APPPC)

### I. GENERAL INFORMATION

Last Updated: December 2008

#### Overall Executive Summary

Japan continues to improve its plant protection systems in conformity with the International Plant Protection Convention, the WTO SPS Agreement and relevant international standards on phytosanitary measures since the 25<sup>th</sup> session of the APPPC.

The Ministry of Agriculture, Forestry and Fisheries (MAFF) is mainly responsible for plant protection and plant quarantine services to control and prevent the introduction of pests of plants and plant products. The Plant Protection Station (PPS) of MAFF is responsible for implementation of import/export inspections and supervision of disinfection treatment. The PPS of Japan consisted of five head offices, 15 substations, 53 branches, three detached offices and one plant inspector's office and 865 plant quarantine officers who are authorized by the NPPO to implement appropriate inspection/certification.

MAFF is working closely with pest control stations run by prefectural governments to conduct monitoring surveys to detect infiltrating pests at an early stage, and engage in emergency eradication, where necessary. Domestic certification systems are under operation for seed potatoes and major fruit tree seedlings and regulating the movement of plant from outbreaking area to non outbreaking area.

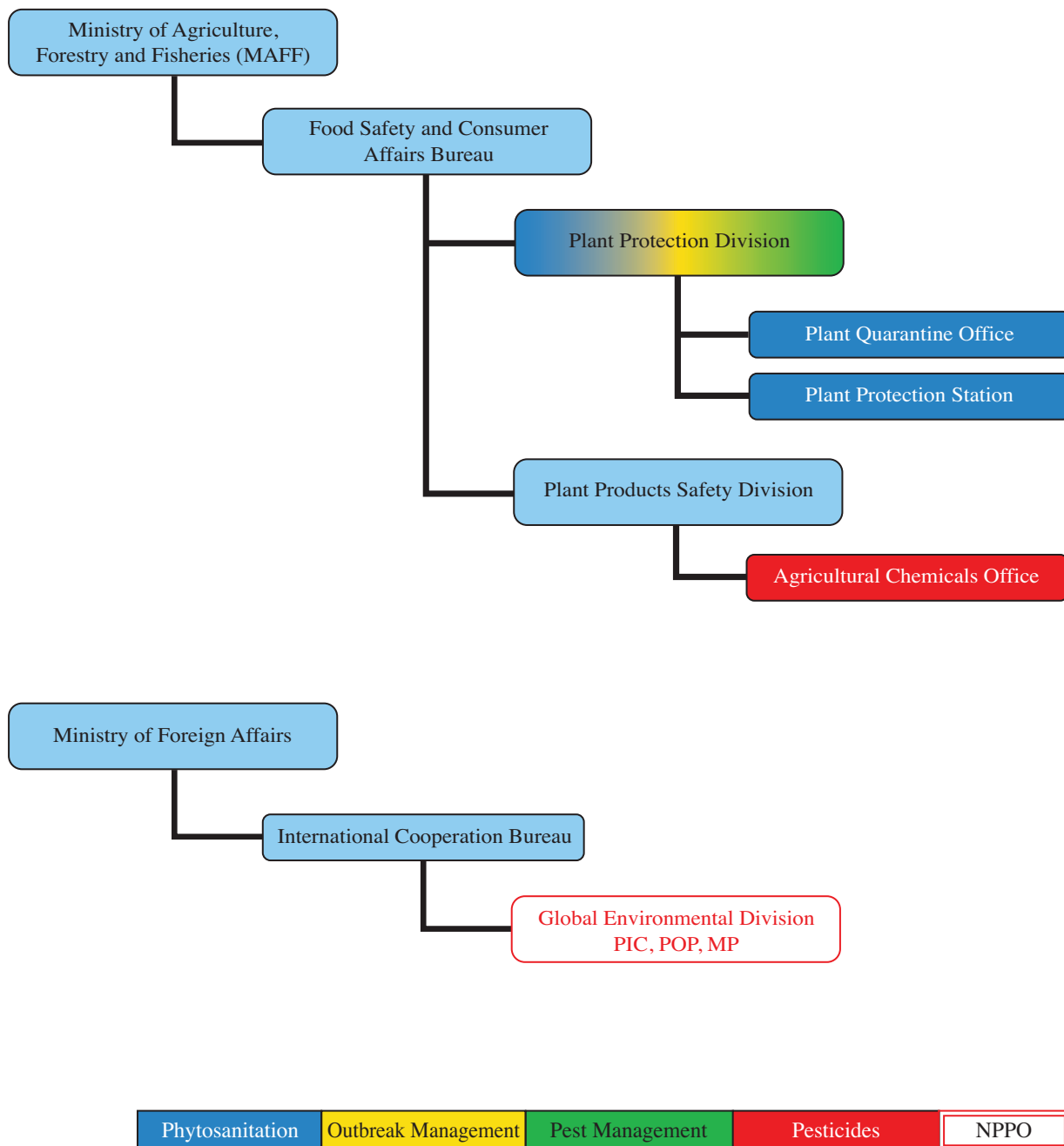
MAFF provided the specific guidelines for the crop of rice, cabbage, citrus, soybean, tomato, strawberry, pear, apple, tea, chrysanthemum and sugarcane to facilitate implementation of IPM for individual farmers.

Agricultural chemical products shall be registered by the Minister of Agriculture, Forestry and Fisheries according to the Agricultural Chemical Regulation Law, if they are manufactured, imported and distributed in Japan.

The risk assessment and its management of the products have been conducted in terms of product's quality, human health and environmental effects by the Food Agricultural Material Inspection Center (FAMIC), the Food Safety Commission (FSC), the Ministry of Health, the Labor and Welfare (MHLW), the Ministry of the Environment (MOE) and MAFF.

The training course on disinfection technique using thermal treatment on fruit fly has been organized since 1988 with trainees being invited from countries which are affected by fruit fly. As a multilateral contribution, Japan financially supported through a trust fund a field project on phytosanitary capacity-building, targeting 10 countries. The project was implemented by the FAO.

**Plant Protection Organization Chart**



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## Important Contact Addresses

### Responsible Ministry/Ministries

Ministry of Agriculture, Forestry and Fisheries

*Mr Shigeru ISHIBA, Minister*

Ministry of Agriculture, Forestry and Fisheries

1-2-1 Kasumigaseki, Chiyoda-ku

Tokyo 100-8950

### Operational Offices:

#### Plant Protection

Plant Protection Division

*Mr Tomoyoshi FUKUMORITA, Director*

Food Safety and Consumer Affairs Bureau

Ministry of Agriculture, Forestry and Fisheries

1-2-1 Kasumigaseki, Chiyoda-ku

Tokyo 100-8950

#### Plant Quarantine

Plant Quarantine Office

*Mr Motoi SAKAMURA, Director*

Plant Protection Division

Food Safety and Consumer Affairs Bureau

Ministry of Agriculture, Forestry and Fisheries

1-2-1 Kasumigaseki, Chiyoda-ku

Tokyo 100-8950

Tel: (81 3) 3502-8111 / 3502-5978 (direct)

Fax: (81 3) 3502-3386

E-mail: [motoi\\_sakamura@nm.maff.go.jp](mailto:motoi_sakamura@nm.maff.go.jp)

Website: <http://www.pps.go.jp/english/index.html>

#### Surveillance, Pest Outbreaks

Plant Protection Division

*Mr Tomoyoshi FUKUMORITA, Director*

Food Safety and Consumer Affairs Bureau

Ministry of Agriculture, Forestry and Fisheries

1-2-1 Kasumigaseki, Chiyoda-ku

Tokyo 100-8950

#### Invasive Species Management

Wildlife Division

*Mr Kazuaki Hoshino, Director*

Nature Conservation Bureau

Ministry of Environment

1-2-2 Kasumigaseki, Chiyoda-ku

Tokyo 100-8950

Tel: (81 3) 3581 3351

**Pesticide Registration**

Agricultural Chemicals Office

*Mr Nobuo SUZUKI, Director*

Plant Products Safety Division  
Food Safety and Consumer Affairs Bureau  
Ministry of Agriculture, Forestry and Fisheries  
1-2-1 Kasumigaseki, Chiyoda-ku,  
Tokyo, 100-8950

**Official International Contact Points****National Plant Protection Organization (NPPO) Contact Point (for IPPC/APPPC)**

Plant Quarantine Office

*Mr Motoi SAKAMURA, Director*

Plant Protection Division  
Food Safety and Consumer Affairs Bureau  
Ministry of Agriculture, Forestry and Fisheries  
1-2-1 Kasumigaseki, Chiyoda-ku  
Tokyo 100-8950  
Tel: (81 3) 3502-8111 / 3502-5978 (direct)  
Fax: (81 3) 3502-3386  
E-mail: [motoi\\_sakamura@nm.maff.go.jp](mailto:motoi_sakamura@nm.maff.go.jp)  
Website: <http://www.pps.go.jp/english/index.html>  
Language(s): English  
Contact point received: 01/0710/20073 Source: Government Correspondence

**WTO SPS Contact Point**

Standards Information Service  
International Trade Division  
Economic Affairs Bureau  
Ministry of Foreign Affairs  
2-2-1 Kasumigaseki, Chiyoda-ku  
Tokyo 100-8919  
Tel: (81 3) 5501-8344  
Fax: (81 3) 5501-8343  
E-mail: [enquiry@mofa.go.jp](mailto:enquiry@mofa.go.jp)

**Rotterdam Convention (PIC) Designated National Authority (DNA)**

Global Environmental Division

*Mr Masayoshi Mizuno, Director*

Ministry of Foreign Affairs  
2-2-1 Kasumigaseki, Chiyoda-ku  
Tokyo 100-8919  
Tel: (81 3) 5501-8245  
Fax: (81 3) 5501-8244  
E-mail: [masayoshi.mizuno@mofa.go.jp](mailto:masayoshi.mizuno@mofa.go.jp)

**Stockholm Convention (POP) National Focal Point (P)**

Global Environmental Division

*Mr Masaya Sagawa, Deputy Director*

Ministry of Foreign Affairs

2-2-1 Kasumigaseki, Chiyoda-ku

Tel: (81 3) 5501-8245

Fax: (81 3) 5501-8244

E-mail: masaya.sagawa@mofa.go.jp

**Basel Convention Competent Authority (CA) and Focal Point**Director, Office of Waste Disposal  
ManagementWaste Management and Recycling  
Department

Ministry of the Environment

1-2-2 Kasumigaseki, Chiyoda-ku

Tokyo 100-8975

Tel: (81 3) 5501-3157

Fax: (81 3) 3593-8264

E-mail: env-basel@env.go.jp

Global Environment Division

International Cooperation Department

Ministry of Foreign Affairs

2-2-1 Kasumigaseki, Chiyoda-ku

Tokyo 100-8919

Tel: (81 3) 5501-8245

Fax: (81 3) 5501-8244

E-mail: yutaka.ishii@mofa.go.jp or  
fuyumi.naito@mofa.go.jp**Montreal Protocol Focal Point**

Global Environmental Division

*Ms Masami Fujimoto*

Ministry of Foreign Affairs

2-2-1 Kasumigaseki, Chiyoda-ku

Tel: (81 3) 5501-8245

Fax: (81 3) 55 01-8244

**Selected Country Statistics:**

Agricultural Population	2.9 million	Agricultural Land	4.6 million ha
GDP US\$ JPY 510 924 700 million	Agric. GDP: 0.9%	GNI per capita: US\$35 204	Undernourishment: xx%
Main crops grown: Rice (8 815 000 ton [2008])			

GDP = Gross Domestic Product; GNI = Gross National Income; Undernourishment = Population below minimum energy requirement

## II. PLANT QUARANTINE

Last Updated: December 2008

### List of Key Legislation/Regulations/Rules

(year, title and possibly short description)

- Plant Protection Law
- Order for Enforcement of Plant Protection Law

Web source for further information: <http://www.maff.go.jp/pps/>

(regarding plant quarantine)	Yes	No
Does phytosanitary legislation cover domestic quarantine?	x	
Does phytosanitary legislation cover import quarantine?	x	
Does phytosanitary legislation cover export quarantine?	x	
Does phytosanitary legislation cover living modified organisms?		x
Is plant quarantine a separate organization from animal quarantine?	x	
Other policy initiatives (under review/progress)		
Web source for further information: See the above web source		

Organization of Plant Quarantine Functions	Responsible Organizational Unit (Ministry/Department/Unit)
Pest Risk Assessment	Plant Protection Division, Food Safety and Consumer Affairs Bureau, Ministry of Agriculture, Forestry and Fisheries
National standards development	Plant Protection Division, Food Safety and Consumer Affairs Bureau, Ministry of Agriculture, Forestry and Fisheries
International notifications	Plant Protection Division, Food Safety and Consumer Affairs Bureau, Ministry of Agriculture, Forestry and Fisheries
Import permits	Plant Protection Station, Ministry of Agriculture, Forestry and Fisheries
Import inspections	Plant Protection Station, Ministry of Agriculture, Forestry and Fisheries
Emergency action	Plant Protection Station, Ministry of Agriculture, Forestry and Fisheries
Phytosanitary certificates	Plant Protection Station, Ministry of Agriculture, Forestry and Fisheries
Treatment of commodities	Plant Protection Station, Ministry of Agriculture, Forestry and Fisheries

Infrastructure	Years: 2007-2008
Number of plant quarantine officers authorized to inspect/certify	859/865
Total qualified personnel for plant pest risk assessment	8/8
Number of quarantine offices	77/77
entry points (sea/air/land/mail = total)	105/39/0/8 = 152(2007) 105/39/0/8 = 152(2008)
post-entry plant quarantine containment facilities	4/5
other offices	1/1
Number of quarantine service diagnosis laboratories	2/2
In-country recognized pest diagnostics capabilities (incl. universities, etc.)	
Number of laboratories for insect/mite (arthropod) samples	77/77
Number of laboratories for bacteria samples	77/77
Number of laboratories for virus samples	77/77
Number of laboratories for fungus samples	77/77
Number of laboratories for mycoplasma samples	77/77
Number of laboratories for nematode samples	77/77
Number of laboratories for plant/weed samples	77/77
Number of laboratories for other pests (snail, slug, rodents, etc.)	77/77

Pest Free Areas According to ISPM 10	Responsible Organizational Unit (Ministry/Department/Unit)
Overall management	Plant Protection Division, Food Safety and Consumer Affairs Bureau, Ministry of Agriculture, Forestry and Fisheries
– surveillance	Plant Protection Division, Food Safety and Consumer Affairs Bureau, Ministry of Agriculture, Forestry and Fisheries
– management	Plant Protection Division, Food Safety and Consumer Affairs Bureau, Ministry of Agriculture, Forestry and Fisheries
– certification	Plant Protection Division, Food Safety and Consumer Affairs Bureau, Ministry of Agriculture, Forestry and Fisheries
List of target pest species and crops ISPM 4	Number of sites in 2008
<i>Omphisa anastomosalis</i>	All area except South western Islands in south of latitude 30 degree north
<i>Euscepes postfasciatus</i>	All area except South western Islands in south of latitude 28 degree 40 minutes north and Ogasawara Islands
<i>Cylas formicarius Omphisa anastomosalis</i>	All area except South western Islands in south of latitude 30 degree north and Ogasawara Islands
Citrus greening disease <i>Euscepes postfasciatus</i>	All area except south western Islands in south of latitude 27 degree 10 minutes north
List of target pest species and crops ISPM 10	Number of sites in 2008
	[number]

**Key Situation Indicators**

International Trade		Year: 2007
Main Import Plant Commodities	Main countries/areas of origin	Quantity (tons)
Soybean	USA	3 308 834 [2007]
Wheat	USA	3 175 597 [2007]
Rapeseed	Canada	1 943 371 [2007]
Main Export Plant Commodities	Main destination countries	
wheat flour	Socialist Republic of Viet Nam	15 397 [2007]
Apple	Taiwan	24 295 [2007]
Pear (cutting)	Taiwan	10 451 [2007]

Cooperation Projects			
Title (Purpose/Target)	Donor	Amount	Years (start-end)
Thermal treatment for the disinfestation of fruit flies Target country: developing countries where fruit flies are present (5 trainees [2007], 5 trainees [2008])	JICA (Japan International Cooperation Agency)		[1988-]
Improvement of plant quarantine treatment technique against fruit flies on fresh fruits Target country: Viet Nam	JICA (Japan International Cooperation Agency)		[2005-2007]
Title of government follow-up programmes		Amount	Years (start-end)

**Key Operation Indicators**

Institutional Functions	Year: 2007
Number of import permits issued	
Number of import inspections carried out	732 221
Number of emergency phytosanitary treatments taken on imports	0
Number notifications of non-compliance	455
Number of conventional phytosanitary certificates issued	19 576
Number of electronic phytosanitary certificates issued	0

Number of quarantine pests intercepted		Year: 2007
Top three commodity	Top three pest/commodity	# of interceptions
Banana	Pseudococcidae spp.	4 274
	Diaspididae spp.	3 112
	Aphididae spp.	272
Pineapple	Pseudococcidae spp.	2 517
	Diaspididae spp.	1 534
	<i>Tetranychus</i> spp.	2 519
	Aphididae spp.	135
	<i>Frankliniella</i> spp.	52



Lists of Regulated Pests	Year of last update	Insects	Pathogens	Plants
Number of non-quarantine pests	2008	148 species	5 genus + 16 species	
Number of regulated non-quarantine pests				
Number of regulated import articles				
Website for the above information: –				

Pest Risk Analysis	Insects	Pathogens	Plants
No. of PRA completed and documented (according to ISPM)	265	87	0
Web source for further information: –			

### Progress and Constraints

<b>Main Progress in Recent Years</b> (legislation, policies, infrastructure, investments, training, etc.)
<b>Main Constraints</b> (personnel, infrastructure, administrative, operational, training, etc.)

Implementation of ISPM	Relevance			Implementation				Planned/Actual Year of full implementation
	low	medium	high	none	partial	most	full	
<b>International Measures</b>								
ISPM 01 Principles of plant quarantine as related to international trade			x			x		
ISPM 02 Guidelines for pest risk analysis			x				x	
ISPM 03 Guidelines for the export, shipment, import and release of biological control agents and other beneficial organisms		x				x		
ISPM 04 Requirements for the establishment of pest free areas			x				x	
ISPM 05 Glossary of phytosanitary terms			x				x	
ISPM 06 Guidelines for surveillance			x				x	
ISPM 07 Export certification system			x				x	
ISPM 08 Determination of pest status in an area			x				x	
ISPM 09 Guidelines for pest eradication programmes			x				x	
ISPM 10 Requirements for the establishment of pest free places of production and pest free production sites			x				x	
ISPM 11 Pest risk analysis for quarantine pests		x				x		
ISPM 12 Guidelines for phytosanitary certificates			x				x	
ISPM 13 Guidelines for the notification of noncompliance and emergency action			x				x	
ISPM 14 The use of integrated measures in a systems approach for pest risk management			x				x	
ISPM 15 Guidelines for regulating wood packaging material in international trade			x				x	
ISPM 16 Regulated non-quarantine pests: concept and application		x				x		
ISPM 17 Pest reporting			x			x		
ISPM 18 Guidelines for the use of irradiation as a phytosanitary measure		x						
ISPM 19 Guidelines on lists of regulated pests		x				x		
ISPM 20 Guidelines for a phytosanitary import regulatory system			x			x		
ISPM 21 Pest risk analysis for regulated non-quarantine pests		x				x		
ISPM 22 Requirements for the establishment of areas of low pest prevalence			x				x	
ISPM 23 Guidelines for inspection			x				x	
ISPM 24 Guidelines for the determination and recognition of equivalence of phytosanitary measures			x				x	
ISPM 25 Consignments in transit			x			x		
ISPM 26 Establishment of pest free areas for fruit flies (Tephritidae)			x				x	
ISPM 27 Diagnostic protocols for regulated pests			x				x	
ISPM 28 Phytosanitary treatments for regulated pests			x				x	
ISPM 29 Recognition of pest free areas and areas of low pest prevalence			x				x	
ISPM 30 Establishment of areas of low pest prevalence for fruit flies (Tephritidae)			x				x	
ISPM 31 Methodologies for sampling of consignments			x				x	
Comments/Constraints								

**III. SURVEILLANCE, PEST OUTBREAKS AND INVASIVE SPECIES MANAGEMENT**

Last updated: December 2008

**List of Key Legislation/Regulations/Rules for surveillance, pest reporting and emergency***(year, title and possibly short description)*

- Plant Protection Law
- Order for Enforcement of Plant Protection Law

Web source for further information: <http://www.maff.go.jp/pps/>

(regarding invasive/migratory species management)	Yes	No
National strategy to control serious field pest outbreaks?	x	
National strategy to control migratory or periodically occurring pests?	x	
National strategy to eradicate serious newly invaded exotic pests?	x	
Other policies: (e.g. subsidies, etc.)		
Web source for further information: See the above web source		

Organization of Outbreak Management Functions	Responsible Organizational Unit (Ministry/Department/Unit)
<i>Field/Storage Pest Outbreaks</i>	(e.g. BPH, boll worm, etc.)
Response strategy/plans	Plant Protection Division, Food Safety and Consumer Affairs Bureau, Ministry of Agriculture, Forestry and Fisheries
Surveillance	Plant Protection Division, Food Safety and Consumer Affairs Bureau, Ministry of Agriculture, Forestry and Fisheries
Control	Plant Protection Division, Food Safety and Consumer Affairs Bureau, Ministry of Agriculture, Forestry and Fisheries
<i>Migratory Pest Outbreaks</i>	(e.g. locusts, birds, armyworm)
Response strategy/plans	Plant Protection Division, Food Safety and Consumer Affairs Bureau, Ministry of Agriculture, Forestry and Fisheries
Surveillance	Plant Protection Division, Food Safety and Consumer Affairs Bureau, Ministry of Agriculture, Forestry and Fisheries
Control	Plant Protection Division, Food Safety and Consumer Affairs Bureau, Ministry of Agriculture, Forestry and Fisheries
<i>New Exotic Pest Eradication</i>	(e.g. coconut beetle)
Response strategy/plans	Ministry of Agriculture, Forestry and Fisheries/Ministry of the Environment
Surveillance	Ministry of Agriculture, Forestry and Fisheries/Ministry of the Environment
Control/eradication	Ministry of Agriculture, Forestry and Fisheries/Ministry of the Environment
Reporting to bilateral or international organizations	Plant Protection Division, Food Safety and Consumer Affairs Bureau, Ministry of Agriculture, Forestry and Fisheries

Infrastructure	Year: 2007	
Number of designated staff for <b>surveillance</b> of field pests of national importance	Prefecture	3 637
	Government	900
	Total	4 537
Number of designated staff for <b>surveillance</b> of migratory and periodically occurring pests	Prefecture	3 637
	Government	900
	Total	4 537
Number of designated staff for <b>surveillance</b> of invasive species		
Number of designated staff for <b>control</b> of field pests of national importance		
Number of designated staff for <b>control</b> of migratory and periodically occurring pests		
Number of designated staff for <b>eradication</b> of invasive species		

### Key Situation and Operation Indicators

(Outbreaks and invasions in the past 2 years)

New exotic species found established in country	Insects	Pathogens	Weeds
Total number for year 2007:			
Total number for year 2008:			
Total number on record			

Eradication or internal quarantine actions taken against economically important species			
Name of species	Erwinia Sp.		
Year of first discovery	2007		
Passway	Unknown		
Location of first discovery	Yamagata Prefecture		
Area affected [ha]	0.5		
Area treated [ha]	0.5		
Control method	Cut down and incinerated of diseased tree & contained of orchard		
Expenditures	81 102		

Pest outbreak actions	Outbreak 1	Outbreak 2	Outbreak 3
Name of species			
Year of outbreak			
Area affected [ha]			
Estimated damage US\$			
Area treated by government [ha]			
Expenditures by government [US\$]			
Control method			
More information			

**Progress and Constraints**

<b>Main Progress in Recent Years</b> (legislation, policies, infrastructure, investments, training, etc.)
<b>Main Constraints</b> (personnel, infrastructure, administrative, operational, training, etc.)

**IV. PEST MANAGEMENT**

Last updated: December 2008

**List of Key Legislation/Regulations/Rules for Pest Management***(year, title and possibly short description)*

- Plant Protection Law
- Order for Enforcement of Plant Protection Law

Web source for further information: <http://www.maff.go.jp/pps/>

(regarding pest management)	Yes	No
Do you have policies encouraging organic or low-pesticide use production	x	
Is IPM specifically mentioned in laws or policy documents?	x	
Do you have official Good Agricultural Practice (GAP) or any other relevant food safety (ecofood, etc.) standards for pest management?		x
Is pest management extension separate from general extension?		
Other policies: (subsidies, production inputs, etc.)		
Web source for further information: See the above web source		

Organization of Plant Protection Functions	Responsible Organizational Unit (Ministry/Department/Unit)
Policy development	Plant Protection Division, Food Safety and Consumer Affairs Bureau, Ministry of Agriculture, Forestry and Fisheries
Pest management research	Agriculture, Forestry and Fisheries Research Council, Ministry of Agriculture, Forestry and Fisheries
Control recommendations	Plant Protection Division, Food Safety and Consumer Affairs Bureau, Ministry of Agriculture, Forestry and Fisheries
Pest management extension	Technology and Extension Division, Agricultural Production Bureau, Ministry of Agriculture, Forestry and Fisheries
IPM training	Plant Protection Division, Food Safety and Consumer Affairs Bureau, Ministry of Agriculture, Forestry and Fisheries

Infrastructure	Year: 2007
Number of technical officers for pest management	Prefecture 3 637
	Government 900
	Total 4 537
Number of central, regional, provincial or state offices	Central: 1 Regional: 8 Prefecture: 51
Number of district and village level field offices	
Number of field/extension agents for pest management advice	
Number of field/extension agents trained in IPM-FFS facilitation	
Number of government biocontrol production/distribution facilities	
Number of government biopesticide production/distribution facilities	
Number of general extension staff involved in pest management	8 244
Number of designated plant protection technical officers for extension	

**Key Situation and Operation Indicators**

Pest Management	Yes	No
Does the country have a National IPM Programme? <i>If yes, give Name and Address of IPM Programme:</i> Guidelines for implementation of IPM	x	
Does the country have specific IPM extension programmes? <i>If yes, in which crops?:</i> Eight major crops e.g. Apple and indoor grown tomato	x	
Does the country have specific IPM research programmes? <i>If yes, in which crops?:</i> Soybean, potato, tomato, strawberry, cabbage, pear, citrus, apple and tea	x	
Does the country have specific GAP extension programmes? <i>If yes, in which crops?:</i>		x
Does the country have specific GAP research programmes? <i>If yes, in which crops?:</i>		x

Market shares (estimated value, volume or area under control)	Year: 2007
Size of chemical pest control market	[number, %]
Size of biopesticides market	
Size of biological control agents market	

Major pest control requiring crops (requiring most pesticide applications)	1 <sup>st</sup>	2 <sup>nd</sup>	3 <sup>rd</sup>
Affected crop	Rice [2007]	Rice [2007]	Rice [2007]
Name(s) of pest(s)	Rice bug group	Blast (Ear)	White-backed rice planthopper
Estimated crop loss			
Affected area	1 437 000 ha	1 414 000 ha	1 212 000 ha
Number of pesticide applications or amount of pesticide used			
Government action taken			

Cooperation Projects			
Purpose/Target	Donor	Amount	Years (start-end)
Purpose/Target of government follow-up programmes		Amount	Years (start-end)

Pest Management Extension	Year: 2007
Number of farmers trained in IPM during the year	[number]
Number of IPM-FFS conducted during the year	
Number of farmers trained in GAP standards during the year	
Area under IPM/low pesticide management [ha]	
Area under organic/pesticide-free management [ha]	
Crops in which IPM or other ecology friendly programmes are successfully implemented: Rice, indoor grown strawberry, orange and apple etc.	
Crops grown organic/pesticide-free:	

**Progress and Constraints**

<b>Main Progress in Recent Years (legislation, policies, infrastructure, investments, training, etc.)</b>
<p>Progress of the IPM</p> <ul style="list-style-type: none"><li>● IPM investigative commission (2004-)</li><li>● Publication of the guidelines on IPM practice (2005-)</li><li>● Providing the specific guidelines for rice, cabbage and citrus (2005-)</li><li>● Providing the specific guidelines for soybean, tomato, strawberry, pear, apple, tea, chrysanthemum and sugarcane (2008-)</li><li>● Granted project</li></ul>
<b>Main Constraints (personnel, infrastructure, administrative, operational, training, etc.)</b>



## V. PESTICIDE MANAGEMENT

Last updated: December 2008

### List of Key Legislation/Regulations/Rules

- Agricultural Chemicals Regulation Law
- Order for Enforcement of Agricultural Chemicals Regulation Law
- Ordinance for Enforcement of Agricultural Chemicals Regulation Law
- Ministerial ordinance to provide for standard for users of Agricultural Chemicals
- Ministerial ordinance to provide for prohibition of distribution on Agricultural Chemicals
  
- The above law etc. are available on website of MAFF in Japanese.  
<http://www.maff.go.jp/nouyaku/>
- Agricultural Chemicals Regulation Law in English is available on website of Food and Agricultural Materials Inspection Center (FAMIC),  
<http://www.acis.famic.go.jp/eng/hourei/index.htm>

(regarding pesticide management)	Yes*	No
Do you have national pesticide reduction targets? <i>If yes, what is the target: _____</i>		x
Have you ratified the Rotterdam (PIC) Convention?	x	
Have you ratified the Stockholm (POP) Convention?	x	
Have your ratified the Basel Convention? (hazardous wastes)	x	
Have your ratified the Montreal Protocol? (MeBr phasing-out)	x	
Have you reported the observance of the Code of Conduct to FAO according to Art. 12 of the Code?	x	
Have you adopted Good Laboratory Practices (GLP)?	x	
<i>Pesticide Registration</i>		
Do you require pesticides to conform to relevant FAO or WHO specifications?		x
Do you allow the “me-too” registration and sale of generic pesticides?		x
Do you require data on product equivalence for generic registration?	x	
Do you conduct country-specific risk assessments for...		
occupational risks?	x	
consumer risks?	x	
environmental risks?	x	
Have you adopted the Global Harmonized System (GHS) for pesticides hazards evaluation and labelling?		x
Do you accept evaluation results from other countries?		x
Do you accept field studies conducted in other countries?		x
Do you require environmental fate studies?	x	
<i>Incentives/Disincentives</i>		
Do you have a special tax on pesticides to cover externality costs?		x
Do you subsidize or provide low-cost pesticides?		x
Do you subsidize or provide low-cost biopesticides?		x
Other policies:		
Web source for further information: <b>See the above web sources.</b>		

\* if yes/no is not appropriate, please insert a note in italics under the question

Organization of Plant Protection Functions	Responsible Organizational Unit (Ministry/Department/Unit)
Legislation	Agricultural Chemicals Office, Plant Products Safety Division, Food Safety and Consumer Affairs Bureau, MAFF
Registration	Agricultural Chemicals Office, Plant Products Safety Division, Food Safety and Consumer Affairs Bureau, MAFF
Licensing of shops	Prefectural government
Licensing of field applicators	
Enforcement/inspections	Enforcement Agricultural Chemicals Office, Plant Products Safety Division, Food Safety and Consumer Affairs Bureau, MAFF Inspections Food and Agricultural Materials Inspection Center
Testing of pesticide efficacy	
Development of pesticide use recommendations	
Safe use training/extension	
Food residue monitoring	The Ministry of Health, Labour and Welfare
Environmental monitoring	The Ministry of the Environment
Health monitoring	
<i>Other Stakeholders:</i>	
Pesticide Industry Association	Japan Crop Protection Association
Civil Society Organizations	

Infrastructure	Year: 2008
Number of registration officers <sup>a</sup>	[14]
Number of enforcement officers <sup>b</sup>	[Around 60]
Number of department quality control laboratories	
Number of quality control laboratory personnel	
Number of department residue analysis laboratories	
Number of residue laboratory personnel	

<sup>a</sup> Agricultural Chemicals Office, Plant Products Safety Division, Food Safety and Consumer Affairs Bureau, MAFF  
<sup>b</sup> Incorporated Administrative Agency – the Food and Agricultural Materials Inspection Center, Agricultural Chemicals Inspection

### Key Situation Indicators

Pesticide Trade: 2007 <sup>a</sup>	Tons (a.i.)	US\$ '000 Value
Imports	18 050	
Export	26 001	
Domestic Use/Sales		
Pesticide sales Profile <sup>b</sup> : 2007 <sup>a</sup>	Tons (a.i.)	US\$ '000 Value
Chem. Insecticides	22 549	
Chem. Fungicides	26 199	
Chem. Herbicides	12 032	
Chem. Others: e.g. molluscicide, acaricide e.g. Avamectrin, Bt, Neem	384	

Other purposes		
TOTAL	61 164	

<sup>a</sup> Data are counted on Japanese Agricultural Chemicals year ending September. (e.g. 2007 is from 1<sup>st</sup> October 2006 to 30<sup>th</sup> September)

<sup>b</sup> 1) Data refer to sales of agricultural chemicals in Agricultural Chemicals handbook (Noyaku Yoran). Figures are total A.I. sales amount (t) converted from formulated products with rate of A.I.

2) Data of biopesticides are not provided in this table.

### Post Registration Monitoring

Testing, Quality Control and Effects in the Field	Yes	No
Do you have significant problems with low-quality pesticides in the market?		x
Do you have significant problems with pesticide resistance?		
Do you have a list of pesticides under close observation for problems		x
Source for more information: –		

Health and Environmental Information	Yes	No
Do you maintain data on pesticide poisoning cases?	x	
Do you have a system to monitor pesticide residues in food?	x	
Do you have a system to monitor pesticide residues in the environment?	x	
Do you have significant problems of environmental contamination from pesticides?	x	
Do you have data on pesticides effects on wildlife and ecosystems?	x	
Source for more information: –		

Pesticide Disposal	Yes	No
Do you have system to collect and safely dispose of used containers and small quantities of left-over pesticides?	x	
Do you have an inventory of outdated and obsolete pesticides in the country? (e.g. banned and no longer traded, but still in storage)	x	
Do you have illegal trade in pesticides? if yes: what is the estimated amount: _____		x
Source for more information: –		

### Key Operation Indicators

Registration/Regulation/Monitoring	Years: As of 31 <sup>st</sup> December 2008	
	a.i.*	Trade Name
Number of registered pesticide products (Total number including biopesticides)	530	4 340
Number of registered biopesticides (macrobial + microbial)	43	108
Number of restricted-use pesticides/formulations (Note that the use of the formulations including these active ingredients has been restricted due to water pollution.)	2	15
Number of banned pesticides	21	
Number of licensed outlets		
Number of licensed field applicators (professional and/or farmers)		
Number of licensing violations reported during year		
Number of quality control analyses conducted during year		

Number of food samples analyzed for pesticide residues during year	
Number of samples exceeding MRL	
Number of environmental samples analyzed for pesticide residues	

\* active ingredient

Pesticides Restricted in Recent Years	
Year	Name of active ingredient or hazardous formulation

Pesticides Banned in Recent Years	
Year	Name of active ingredient

Cooperation Projects			
Purpose/Target	Donor	Amount	Years (start-end)
Purpose/Target of government follow-up programmes		Amount	Years (start-end)

### Progress and Constraints

Main Progress in Recent Years (legislation, policies, infrastructure, investments, training, etc.)
Main Constraints (personnel, infrastructure, administrative, operational, training, etc.)

## VI. ADDITIONAL ISSUES OF INTEREST

Last updated: December 2008

Genetically Modified Crops	
Name of GMO Crop	Area under Cultivation [ha]