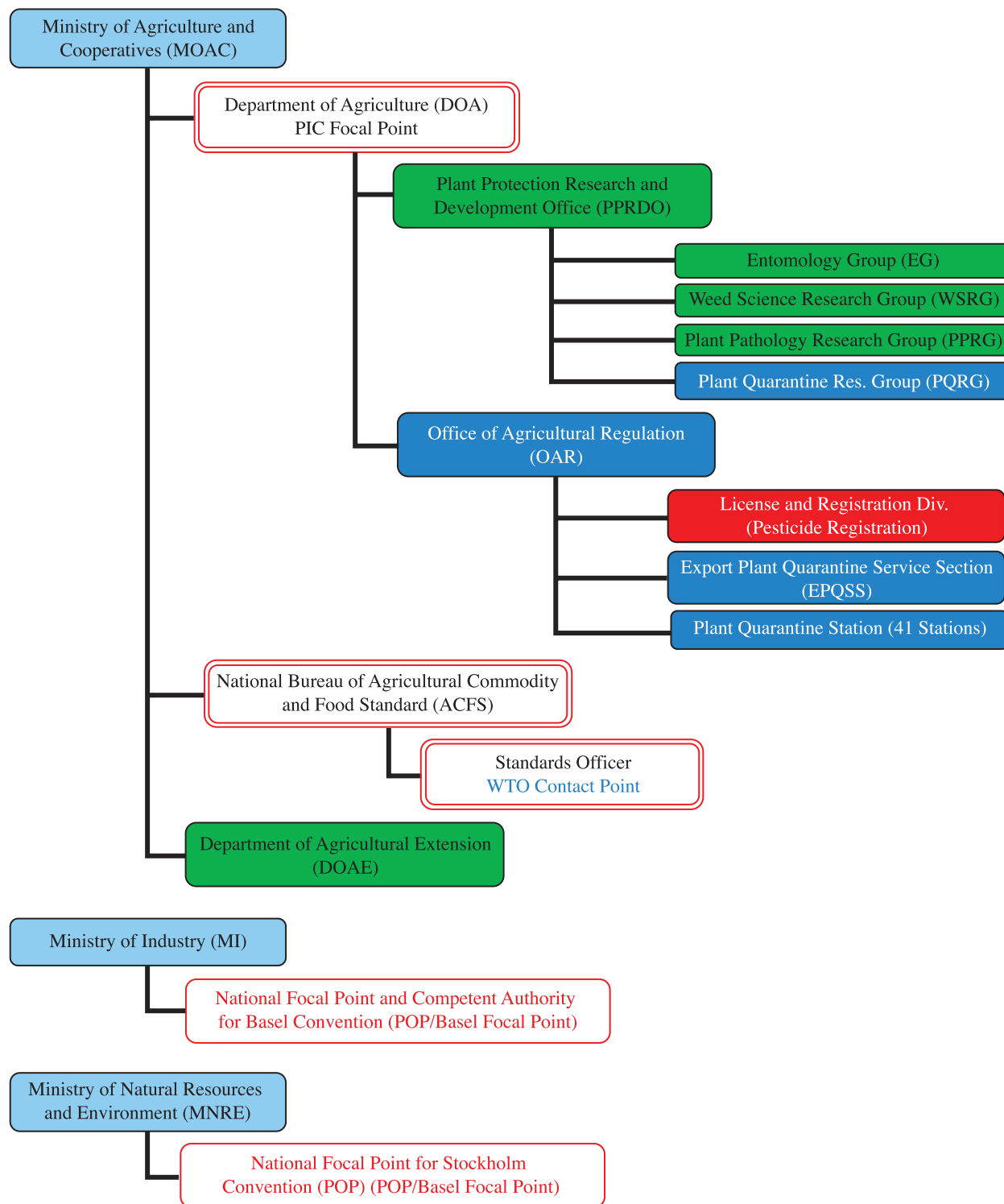


### 3.13 THAILAND

#### I. GENERAL INFORMATION

Last updated: December 2006

#### Plant Protection Organization Chart



Color Code:

Phytosanitation	Outbreak Management	Pest Management	Pesticides	NPPO
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## Important Contact Addresses

### Responsible Ministry/Ministries

Ministry of Agriculture and Cooperatives

*Mr Bunpot Hongtong, Permanent Secretary*

Ministry of Agriculture and Cooperatives

Rajadamnern Nok Road

Bangkok 10200, Thailand

Tel: 662-281-0858

Fax: 662-281-3513

E-mail: banpot@moac.go.th

### Responsible Department

Department of Agriculture (DOA)

*Dr Adisak Sreesunpagit, Director General, DOA*

50 Phaholyothin Road, Chatuchak

Bangkok 10900, Thailand

Tel: 662-940-5412

Fax: 662-940-5528

E-mail: adisak@doa.go.th

### Address for nominations

–

### National Plant Protection Organization (NPPO) of Thailand

Department of Agriculture

*Dr Adisak Sreesunpagit, Director General, DOA*

Ministry of Agriculture and Cooperatives

50 Phaholyothin Road, Chatuchak

Bangkok 10900, Thailand

Tel: 662-579-8516, 662-579-8576

Fax: 662-561-0744, 662-579-5084

E-mail: NPPO@doa.go.th

### Operational Offices:

#### Plant Protection

#### Surveillance, Pest Outbreaks and Invasive Species Management

Plant Protection Research and Development Office (PPRDO)

*Mr Joompol Saranark, Director*

Department of Agriculture

Ministry of Agriculture and Cooperatives

50 Phaholyothin Road, Chatuchak

Bangkok 10900, Thailand

Tel: 662-940-6371

Fax: 662-940-5396

E-mail: jumpol@doa.go.th

***Plant Quarantine*****Plant Quarantine Operation**

Office of Agricultural Regulation

*Mr Wichar Thitiprasert, Director*

Department of Agriculture

Ministry of Agriculture and Cooperatives

50 Phaholyothin Road, Chatuchak

Bangkok 10900, Thailand

Tel: 662-579-8576

Fax: 662-579-5084

E-mail: wichar@doa.go.th

**Technical Plant Quarantine**

Plant Quarantine Research Group

*Mr Udorn Unahawutti, Chief*

Plant Protection Research and Development Office

Department of Agriculture

50 Phaholyothin Road, Chatuchak

Bangkok 10900, Thailand

Tel: 662-579-8516

Fax: 662-561-0744

E-mail: unhawut@yahoo.com

***Pesticide Registration*****License and Registration Division**

Office of Agricultural Regulation, Department of Agriculture

*Mr Thanet Pingsuttiwong, Director*

50 Phaholyothin Road, Chatuchak

Bangkok 10900, Thailand

Tel: 662-579-8576

Fax: 662-579-5084

E-mail: thanet@doa.go.th

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

National Bureau of Agricultural Commodity and Food Standards (ACFS)

*Ms Oratai Silapanaporn, Director, Office of Commodity and System Standards, ACFS*

Ministry of Agriculture and Cooperatives

3 Rajadamnern Nok Avenue

Bangkok 10200, Thailand

Tel: 662-280-3902 or 662-281-0698

Fax: 662-280-1542

E-mail: ippc@acfs.go.th

Website: www.acfs.go.th

**WTO-SPS Contact Point**

National Bureau of Agricultural Commodity and Food Standards (ACFS)

Ministry of Agriculture and Cooperatives

3 Rajadamnern Nok Avenue

Bangkok 10200, Thailand

Tel: 662-629-8979

Fax: 662-629-8978, 662-629-8978-79

E-mail: sps@acfs.go.th

Website: www.acfs.go.th

**Rotterdam Convention (PIC) DNA Pesticides (P)**

Department of Agriculture

*Dr Adisak Sreesunpagit, Director General*

Ministry of Agriculture and Cooperatives

50 Phaholyothin Road

Ladyao, Chatuchak

Bangkok 10900, Thailand

Tel: 662-579-0586

Fax: 662-561-5024

E-mail: adisak@doa.go.th

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

Pollution Control Department

*Ms Pornpimon Chareonsong, Senior Environmental Scientist*

Ministry of Natural Resources and Environment

92 Soi Phaholyothin 7

Phaholyothin Rd.

Sam Sen Nai, Phayathai

Bangkok 10400, Thailand

Tel: 662-298-2457 / 298 2766

Fax: 662-298-2425

E-mails: dbase.c@pcd.go.th; pornpimon.c@pcd.go.th

**Basel Convention Competent Authority (CA) and Focal Point (FP)**

Department of Industrial Works

*Director General*

Ministry of Industry

75/6 Rama VI Road, Ratchatewi

Bangkok 10400, Thailand

Tel: 662-202-4228 or 245-7874

Fax: 662-202-4015

E-mail: basel@narai.diw.go.th

**Pollution Control Department***Director General*

Ministry of Natural Resources and Environment  
 92 Soi Phaholyothin 7, Phaholyothin Road  
 Phayathai District  
 Bangkok 10400, Thailand  
 Tel: 662-298-2238, 2427 or 2447  
 Fax: 662-298-2425  
 E-mail: mingquan.b@pcd.go.th

**The Montreal Protocol**

## Department of Agriculture

*Director General*

50 Phaholyothin Road, Chatuchak, Bangkok 10900, Thailand  
 Tel: 662-579-8516, 662-579-8576  
 Fax: 662-561-0744, 662-579-5084  
 E-mail: adisak@doa.go.th

## Department of Industrial Works

*Director General*

Ministry of Industry  
 75/6 Rama VI Road, Ratchatewi  
 Bangkok 10400, Thailand  
 Tel: 662-202-4228 or 245-7874  
 Fax: 662-202-4015  
 E-mail: basel@narai.diw.go.th

**Selected Country Statistics**

Agricultural Population	29.4 million	Agricultural Land	19.4 million ha
GDP \$143 193 million	Agric. GDP: 9.4%	GNI per capita: \$2 190	Undernourishment: 20%
Main crops grown:			

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

## II. PLANT QUARANTINE

Last updated: December 2006

### List of Key Legislation/Regulations/Rules

Plant Quarantine Act. B.E. 2507 (1964) Amended by Plant Quarantine Act (2<sup>nd</sup> edition), B.E. 2542 (1999)

Web source for further information: <http://www.doa.go.th>

Policies (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 sources for further information: <a href="http://www.doa.go.th">http://www.doa.go.th</a> , <a href="http://www.acfs.go.th">http://www.acfs.go.th</a>		

Organization of Plant Quarantine Functions	Responsible Organizational Unit (Ministry/Department/Unit)
Pest Risk Analysis	MOAC/DOA/PPRDO/PQRG
National standards development	MOAC/DOA/OAR MOAC/DOA/PPRDO MOAC/ACFS
International notifications	MOAC/DOA/OAR MOAC/DOA/PPRDO/PQRG MOAC/ACFS
<i>Import:</i>	
Import permits	MOAC/DOA/OAR
Import inspections	MOAC/DOA/OAR/PQ Stations MOAC/DOA/PPRDO/PQRG
Emergency action	MOAC/DOA/OAR/PQ Stations
<i>Export:</i>	
Phytosanitary certificates	MOAC/DOA/OAR/EPQS and PQ Stations MOAC/DOA/PPRDO/PQRG
Treatment of commodities	MOAC/DOA/OAR/EPQS and PQ Stations MOAC/DOA/PPRDO/PQRG

Infrastructure	Year: 2006
Number of plant quarantine officers authorized to inspect/certify	60
Total qualified personnel for plant pest risk analysis	6
Number of quarantine offices	
entry points (sea/air/land/mail = total)	41
post-entry plant quarantine containment facilities	5
other offices	
Number of quarantine service diagnosis laboratories	2
In-country recognized pest diagnostics capabilities (incl. universities, etc.)	
Number of laboratories for insect/mite (arthropod) samples	15

Number of laboratories for bacteria samples	15
Number of laboratories for virus samples	15
Number of laboratories for fungus samples	15
Number of laboratories for mycoplasma samples	15
Number of laboratories for nematode samples	15
Number of laboratories for plant/weed samples	15
Number of laboratories for other pests (snail, slug, rodents, etc.)	1

Pest-Free Areas According to ISPM 10	Responsible Organizational Unit (Ministry/Department/Unit)
Overall management	MOAC/DOA/PPRDO
– surveillance	MOAC/DOA/PPRDO
– management	MOAC/DOA/PPRDO
– certification	MOAC/DOA/PPRDO
List of target pest species and crops ISPM 4	Number of sites in 2005
List of target pest species and crops ISPM 10	Number of sites in [year]
<i>Xanthomonas axonopodis</i> pv. <i>citri</i> , pomelo	1

### Key Situation Indicators

International Trade		Year:
Main Import Plant Commodities	Main countries/areas of origin	Quantity (tons)
Sawn timber	Malaysia	1 644
Raw cotton	USA	1 504
Wheat	USA, Australia	87, 64
Main Export Plant Commodities	Main destination countries	
Rice	South Africa	69
Cassava	People Republic of China	116
Sawn Para wood	People Republic of China	3 602

Cooperation Projects			
Title (Purpose/Target)	Donor	Amount	Years (start-end)
Capacity building	Australia	training	2004-2005
Australian Fumigation Accreditation Scheme			
Title of government follow-up programmes		Amount	Years (start-end)

### Key Operation Indicators

Institutional Functions	Year: 2005
Number of import permits issued	17 (2005)
Number of import inspections carried out	275
Number of emergency phytosanitary treatments taken on imports	475
Number notifications of non-compliance	260
Number of conventional phytosanitary certificates issued	245 525
Number of electronic phytosanitary certificates issued	–

Number of quarantine pests intercepted		Year:
Top three commodities	Top three pest/commodity	# of interceptions

Lists of Regulated Pests	Year of last update	Insects	Pathogens	Plants
Number of quarantine pests	2003	34	125	10
Number of regulated non-quarantine pests		–	–	–
Number of regulated import articles				
Web source for further information:				

Pest Risk Analysis	Insects	Pathogens	Plants
No. of PRA completed and documented (according to ISPM)			
PRA in process for citrus, potato, tomato seed, onion, apple, shallot, corn seed, grape and garlic			
Web source for further information: –			

### Progress and Constraints

Main Progress in Recent Years (legislation, policies, infrastructure, investments, training, etc.)
<ol style="list-style-type: none"> <li>1. Methyl Bromide Fumigation Training by AQIS (Australian Fumigation Accreditation System)</li> <li>2. National Methyl Bromide Phase-out Plan (Funded by Multilateral Fund)</li> <li>3. PRA Workshop (4-10 December 2005)</li> <li>4. Thailand biosecurity workshop programme delivering to AusAID PSLP “Enhanced Biosecurity for Thailand and the Mekong Subregion” (6-29 November 2005)</li> <li>5. Training on Phytosanitary Principle for Plant Quarantine Officer (16-17 February 2006)</li> <li>6. Drafts of 3 Ministerial Notifications</li> </ol>
Main Constraints (personnel, infrastructure, administrative, operational, training, etc.)
Skill personnel, PQ. Treatment facilities, Communication network (International and Domestic), Diagnosis facilities, Administrative.



Implementation of ISPM	Relevance			Implementation				Planned/Actual Year of full implementation
	low	medium	high	none	partial	most	full	
ISPM 01 Principles of plant quarantine as related to international trade			x				x	1995
ISPM 02 Guidelines for pest risk analysis			x				x	2003
ISPM 03 Code of conduct for the import and release of exotic biological control agents			x				x	1996
ISPM 04 Requirements for the establishment of pest free areas	x				x			
ISPM 05 Glossary of phytosanitary terms			x				x	1995
ISPM 06 Guidelines for surveillance		x			x			2008
ISPM 07 Export certification system			x				x	1997
ISPM 08 Determination of pest status in an area	x				x			2008
ISPM 09 Guidelines for pest eradication programmes	x			x				2008
ISPM 10 Requirements for the establishment of pest free places of production and pest free production sites			x				x	2005
ISPM 11 Pest risk analysis for quarantine pests			x				x	2004
ISPM 12 Guidelines for phytosanitary certificates			x				x	2001
ISPM 13 Guidelines for the notification of noncompliance and emergency action			x				x	2001
ISPM 14 The use of integrated measures in a systems approach for pest risk management	x				x			2008
ISPM 15 Guidelines for regulating wood packaging material in international trade		x				x		2005
ISPM 16 Regulated non-quarantine pests: concept and application	x			x				2008
ISPM 17 Pest reporting		x				x		2002
ISPM 18 Guidelines for the use of irradiation as a phytosanitary measure		x			x			2006
ISPM 19 Guidelines on lists of regulated pests			x				x	2007
ISPM 20 Guidelines for a phytosanitary import regulatory system			x				x	2004
ISPM 21 Pest risk analysis for regulated non-quarantine pests	x				x			2008
ISPM 22 Requirements for the establishment of areas of low pest prevalence	x			x				2005
ISPM 23 Guidelines for inspection			x				x	2005
ISPM 24 Guidelines for the determination and recognition of equivalence of phytosanitary measures	x				x			2008
ISPM 25 Consignments in transit		x				x		2006
ISPM 26 Establishment of pest free areas for fruit flies (Tephritidae)	x				x			–
ISPM 27 Diagnostic protocols for regulated pests		x			x			–
Comments/Constraint								

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

Last updated: December 2006

#### List of Key Legislation/Regulations/Rules for surveillance, pest reporting and emergency actions

Plant Quarantine Act. B.E. 2507 (1964) 1999 Amended by Plant Quarantine Act (2<sup>nd</sup> edition), B.E. 2542 (1999).

Web source for further information: [www.doa.go.th](http://www.doa.go.th)

Policies (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.) Alien invasive species, Ministry of Natural Resources and Environment		
Web source for further information: <a href="http://www.pcd.go.th">www.pcd.go.th</a>		

Organization of Outbreak Management Functions	Responsible Organizational Unit (Ministry/Department/Unit)
<i>Field/Storage Pest Outbreaks</i>	(e.g. BPH, bollworm, etc.)
Response strategy/plans	MOAC/DOA/PPRDO MOAC/DOAE
Surveillance	MOAC/DOA/PPRDO
Control	MOAC/DOA/PPRDO MOAC/DOAE
<i>Migratory Pest Outbreaks</i>	(e.g. locusts, birds, armyworm)
Response strategy/plans	MOAC/DOA/PPRDO
Surveillance	MOAC/DOA/PPRDO
Control	MOAC/DOA/PPRDO MOAC/DOAE
<i>New Exotic Pest Eradication</i>	(e.g. coconut beetle)
Response strategy/plans	MOAC/DOA
Surveillance	MOAC/DOA/PPRDO
Control/eradication	MOAC/DOA/PPRDO
Reporting to bilateral or international organizations	MOAC/DOA MOAC/ACFS

Infrastructure	Year: 2006
Number of designated staff for <b>surveillance</b> of field pests of national importance	106 (Staffs from PPRDO incl. Entomology Group, Weed Science Research Group, and Plant Pathology Group)
Number of designated staff for <b>surveillance</b> of migratory and periodically occurring pests	
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:			
Total number for year:			
Total number on record			

Eradication or internal quarantine actions taken against economically important species			
Name of species	Coconut beetle		
Year of first discovery	2003		
Passway			
Location of first discovery	Prajuabkeereekun Province		
Area affected [ha]			
Area treated [ha]			
Control method	Biological Control		
Expenditures	40 million baht		

Pest outbreak actions	Outbreak 1	Outbreak 2	Outbreak 3
Name of species	Durian Longhorn stem borer		
Year of outbreak	2003		
Area affected [ha]			
Estimated damage \$			
Area treated by government [ha]	–		
Expenditures by government [\$]			
Control method	Chemical/mechanical		
More information			

**Progress and Constraints**

Main Progress in Recent Years (legislation, policies, infrastructure, investments, training, etc.)
Surveillance training organized by AusAID in 2004.
Main Constraints (personnel, infrastructure, administrative, operational, training, etc.)
Personnel, experiences

**IV. PEST MANAGEMENT**

Last updated: December 2006

**List of Key Legislation/Regulations/Rules for Pest Management**

Pesticide Act.

Web source for further information: –

Policies (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?	x	
Other policies: (subsidies, production inputs, etc.) IPM, control of pesticide use, reduction of pesticide use		
Web source for further information: <a href="http://www.doa.go.th">www.doa.go.th</a>		

Organization of Plant Protection Functions	Responsible Organizational Unit (Ministry/Department/Unit)
Policy development	MOAC/DOA MOAC/DOAE MOAC/ACFS
Pest management research	MOAC/DOA/PPRDO
Control recommendations	MOAC/DOA/PPRDO
Pest management extension	MOAC/DOA MOAC/DOAE
IPM training	MOAC/DOA MOAC/DOAE
GAP training	MOAC/DOA/OARD MOAC/DOAE

Infrastructure	Year:
Number of technical officers for pest management	
Number of central, regional, provincial or state offices	8
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	1
Number of general extension staff involved in pest management	
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> IPM development on economic crops, PPRDO	x	
Does the country have specific IPM extension programmes? <i>If yes, in which crops?:</i> baby corn	x	
Does the country have specific IPM research programmes? <i>If yes, in which crops?:</i> Durian, mangosteen	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> (Durian, longan, orchid, fresh orchid cut flower, pineapple, pomelo, coffee, non-heading type chinese cabbage, tomato, asparagus, chinese kale, onion, cabbage, chilli, yard long bean, sugar pea, baby corn, chinese cabbage, shallot, cassava, rubber, mango, tangerine, curcuma)	x	

Market shares (estimated value, volume or area under control)	Year: 2005
Size of chemical pest control market	99%
Size of biopesticides market	0.5%
Size of biological control agents market	0.5%

Major pest control requiring crops (requiring most pesticide applications)	1 <sup>st</sup>	2 <sup>nd</sup>	3 <sup>rd</sup>
Affected crop	Vegetables	Fruit crops	Flowers & ornamentals
Name(s) of pest(s)	<i>Spodoptera</i> spp., <i>Thrips</i> spp.	FF, <i>Thrips</i> spp.	<i>Thrips</i> spp.
Estimated crop loss	Unestimatable	Unestimatable	Unestimatable
Affected area	Unestimatable	Unestimatable	Unestimatable
Number of pesticide applications or amount of pesticide used	8 (asparagus)	10-20 (mango, durian)	77/yr
Government action taken	Appropriated Application techniques		

Cooperation Projects			
Purpose/Target	Donor	Amount	Years (start-end)
Strengthening Farmer's IPM in Pesticide Intensive Areas	DANIDA		2001-2006
Purpose/Target of government follow-up programmes		Amount	Years (start-end)
Food Safety Programme (IPM and GAP)			2004-at present
Royal Project			

<b>Pest Management Extension</b>	<b>Year:</b>
Number of farmers trained in IPM during the year	
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: asparagus, baby corn, orchid cut flowers	
Crops grown organic/pesticide-free: rice	

### **Progress and Constraints**

<b>Main Progress in Recent Years (legislation, policies, infrastructure, investments, training, etc.)</b>
40 farmers trained in vegetable IPM technology in 2006. More than 200 000 GAP farms certified in 2005.
<b>Main Constraints (personnel, infrastructure, administrative, operational, training, etc.)</b>

## V. PESTICIDE MANAGEMENT

Last updated: December 2006

### List of Key Legislation/Regulations/Rules

1. The Hazardous Substances Act B.E. 2535/1992
2. Ministerial Regulation (B.E. 2537/1994) (3 regulations issued under Hazardous Substances Act B.E. 2535)
3. Notification of Ministry of Industry on
  - 3.1 List of Hazardous Substances
  - 3.2 Hazardous Substances According to Section 3 “Civil Obligation and Responsibility” B.E. 2538/1995
4. Notification of Ministry of Agriculture and Cooperatives on
  - 4.1 Registration of Hazardous Substances under Responsibility of Department of Agriculture
  - 4.2 Determination of Deviation from the Specified Quantity of Active Ingredient Hazardous Substance
  - 4.3 Label and Toxicity Level of Hazardous Substances
  - 4.4 Criteria and Procedure for Production, Import and Possession of Hazardous Substances under Responsibility of Department of Agriculture
  - 4.5 Appointment of Hazardous Substances Act B.E. 2535 Officials
  - 4.6 Exemption for Implementation of Hazardous Substances Act B.E. 2535
  - 4.7 Managing of Type IV (Banned) Hazardous Substances
  - 4.8 Determination of Storage Site for Possession of Hazardous Substances
  - 4.9 Specification of Hazardous Substances (one notification for one pesticide, already done on paraquat dichloride and sodium nitrate)
5. Notifications of Department of Agriculture on
  - 5.1 Determination on Details, Criteria and Procedure for Pesticide Registration
  - 5.2 Notification on Action Made concerning Type II hazardous substances
  - 5.3 Criteria, procedure and condition on determination of trade name of hazardous substances
  - 5.4 Determination of experimental design and report on efficacy test of hazardous substances
  - 5.5 efficacy test areas
6. Rules of Department of Agriculture
  - 6.1 Application for Possession of Hazardous Substances in Provinces other than Bangkok B.E. 2539/1996.

Web source: [www.doa.go.th](http://www.doa.go.th), [www.diw.go.th](http://www.diw.go.th)

Policies (regarding pesticide management)	Yes	No
Do you have national pesticide reduction targets? <i>If yes, what is the target: 25% in 2005</i>	x	
Have you ratified the Rotterdam (PIC) Convention?	x	
Have you ratified the Stockholm (POP) Convention?	x	
Have you ratified the Basel Convention? (hazardous wastes)	x	
Have you ratified the Montreal Protocol? (CH <sub>3</sub> Br 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	

<b>Pesticide Registration</b>		
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	
<b>Incentives/Disincentives</b>		
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?		
<b>Other policies:</b>		
Web source for further information: <a href="http://www.doa.go.th">www.doa.go.th</a> , <a href="http://www.diw.go.th">www.diw.go.th</a>		

<b>Organization of Plant Protection Functions</b>	<b>Responsible Organizational Unit (Ministry/Department/Unit)</b>
Legislation	MOAC/DOA/OAR MI
Registration	MOAC/DOA/OAR
Licensing of shops	MOAC/DOA/OAR
Licensing of field applicators	MOAC/DOA/OAR
Enforcement/inspections	MOAC/DOA/OAR
Testing of pesticide efficacy	MOAC/DOA/PPRDO
Development of pesticide use recommendations	MOAC/DOA/PPRDO
Safe use training/extension	MOAC/DOA MOAC/DOAE
Food residue monitoring	MOAC/DOA MOPH/FDA
Environmental monitoring	MOAC/DOA MONRE/DOPC
Health monitoring	MOPH
<b>Other Stakeholders:</b>	
Pesticide Industry Association	Thai Agri-Business Assoc.; Thai Crop Protection Assoc.
Civil Society Organizations (NGO, etc.)	



Infrastructure	Year: 2006
Number of registration officers	19
Number of enforcement officers	
Number of department quality control laboratories	
Number of quality control laboratory personnel	
Number of department residue analysis laboratories	
Number of residue laboratory personnel	

### Key Situation Indicators

Pesticide Trade:	Tons	\$ '000 Value
Imports	53 050	279 295
Manufacture	NA	NA
Export	3 941	NA
Domestic Use/Sales		
Pesticide Use Profile:	Tons (a.i./formulation to be specified)	\$ '000 Value
Agriculture	49 108	253 537
Chem. Insecticides	15%	24%
Chem. Fungicides	10%	14%
Chem. Herbicides	70%	59%
Chem. Others: e.g. molluscicide, acaricide	5%	6%
Other e.g. Avamectrin, Bt, Neem		
Other purposes		
TOTAL		

### 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?	x	
Do you have a list of pesticides under close observation for problems		
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?		
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)		
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	Year:	
	a.i.*	Trade Name
Number of registered pesticide products	300	16 000
Number of registered biopesticides (Avamectrin, Bt, Neem, etc.)	9	NA
Number of restricted-use pesticides/formulations	11	
Number of banned pesticides	96	
Number of licensed outlets	9 389	
Number of licensed field applicators (professional and/or farmers)	674	
Number of licensing violations reported during year	86	
Number of quality control analyses conducted during year		
Number of food samples analyzed for pesticide residues during year	20 752	
Number of samples exceeding MRL	756 (3.45%)	
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.)**

List of banned/prohibited pesticides in 2005

**Main Constraints (personnel, infrastructure, administrative, operational, training, etc.)****VI. ADDITIONAL ISSUES OF INTEREST**

Last updated: December 2006

**Genetically Modified Crops**

Name of GMO Crop	Area under Cultivation [ha]