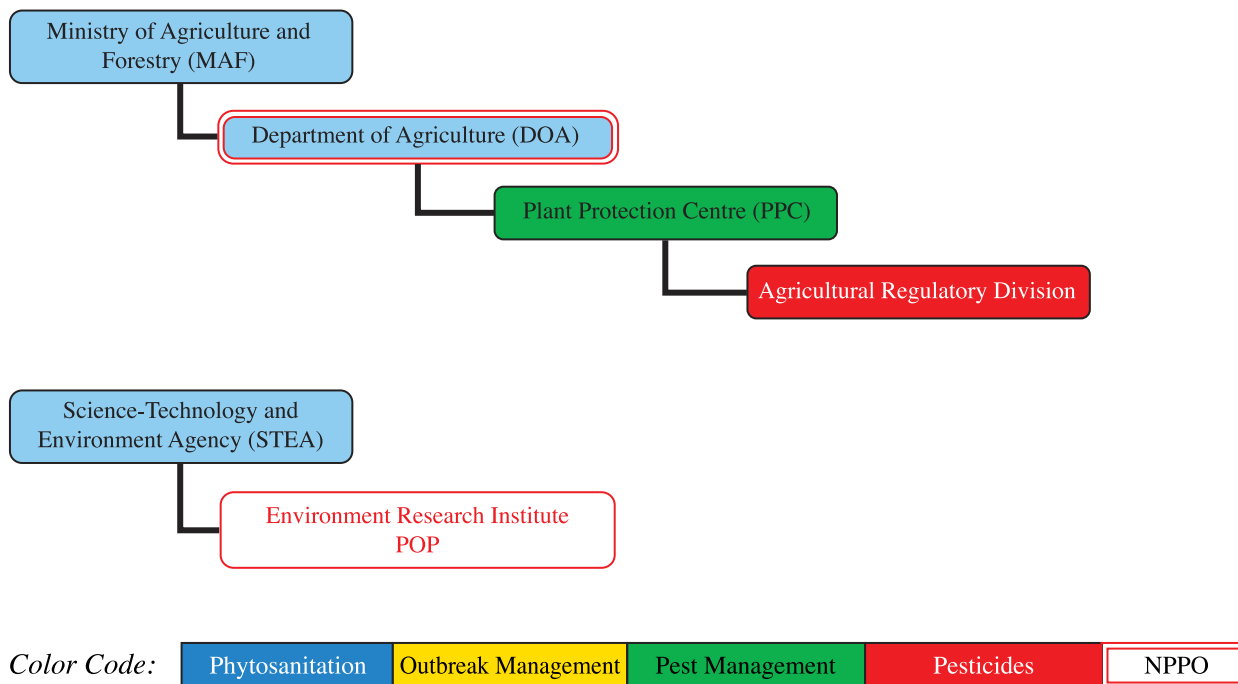


### 3.7 LAO PEOPLE’S DEMOCRATIC REPUBLIC

#### I. GENERAL INFORMATION

Last updated: December 2006

#### Plant Protection Organization Chart



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### Important Contact Addresses

#### Responsible Ministry/Ministries

Ministry of Agriculture and Forestry

*Mr Sitaheng Rasphone, Minister*

P.O. Box 811

Vientiane 0100, Lao PDR

Tel: (+856) 21 412340

Fax: (+856) 21 412344

#### Responsible Department

Department of Agriculture

*Mr Viravanh Phannourath, Director General*

Ministry of Agriculture and Forestry

Lanexang Avenue, Patuxay Square; P.O. Box 811

Vientiane, Lao PDR

Tel: (+856) 21 412350

Fax: (+856) 21 412349

E-mail: doag@laotel.com

#### Address for nominations

–

#### Operational Offices:

##### Plant Protection

Plant Protection Centre

*Mr Vilaysouk Khennavong, Director of Centre*

Department of Agriculture, MAF

Thadeua Rd., Km 13

Vientiane, Lao PDR

Fax: (+856) 21 812164

##### Plant Quarantine

Department of Agriculture

*Mr Phaydy Phixaysarakham, Director of Division*

Division of Agricultural Regulatory

Department of Agriculture, Ministry of Agriculture and Forestry

Lanexang Avenue, Patuxay Square

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Vientiane, Lao PDR

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Fax: (+856) 21412349

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phaydy8@yahoo.com

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

(1) Plant Protection Centre

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Department of Agriculture, MAF

Thadeua Rd., Km 13

Vientiane, Lao PDR

Fax: (+856) 21 812164

(2) Department of Agriculture

*Mr Phaydy Phixaysarakham, Director of Division*

Division of Agricultural Regulatory

Department of Agriculture, Ministry of Agriculture and Forestry

Lanexang Avenue, Patuxay Square

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E-mail: doag@laotel.com

phaydy8@yahoo.com

**Pesticide Registration**

Department of Agriculture

*Mr Khamphoui Louanglath, Deputy Director of Division*

Division of Agricultural Regulatory

Department of Agriculture, Ministry of Agriculture and Forestry

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P.O. Box. 811

Vientiane, Lao PDR

Tel: (+856) 21 412350

Fax: (+856) 21 412349

E-mail: doag@laotel.com

phoui1@hotmail.com

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

Department of Agriculture

*Mr Phaydy Phixaysarakham, Director of Division*

Division of Agricultural Regulatory, Department of Agriculture

Ministry of Agriculture and Forestry

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Vientiane, Lao PDR

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Fax: (+856) 21 412 349

E-mail: doag@laotel.com

**WTO-SPS Contact Point**

–

**Rotterdam Convention (PIC) DNA Pesticides**

Department of Agriculture

*Mr Khamphoui Louanglath, Deputy Director of Division*

Division of Agricultural Regulatory

Department of Agriculture, Ministry of Agriculture and Forestry

Lanexang Avenue, Patuxay Square

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Tel: (+856) 21 412350

Fax: (+856) 21 412349

E-mails: doag@laotel.com

phoui1@hotmail.com

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

Environment Research Institute (ERI)

*Mrs Monemany Nhoibouakong, Acting Director General*

Vientiane, Lao PDR

Tel: (+856) 21 213 470

Fax: (+856) 21 213 472

E-mail: mone\_many@yahoo.com

**Basel Convention Competent Authority (CA)**

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**Montreal Protocol Focal Point**

–

**Selected Country Statistics**

Agricultural Population	4.5 million	Agricultural Land	1.0 million ha
GDP \$2 321 million	Agric. GDP: 45.4%	GNI per capita: \$500	Undernourishment: 22%
Main crops grown: rice, maize, coarse grain, tube, vegetables, tea, coffee, tropical fruit trees.			

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

Prime Minister Decree on Plant Quarantine No. 66/PM, dated 21 March 1993

Ministerial Agreement on Plant Quarantine Regulation No. 0369/MAF, dated 2 July 1993

Ministerial Notice on Role and Function and Standard for entry/exit Plant Quarantine Station No. 0754/MAF.DoA.06, dated 14 July 2006.

(in preparation) Law on Plant Protection and Quarantine

Web source for further information: –

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 source for further information: –		

Organization of Plant Quarantine Functions	Responsible Organizational Unit (Ministry/Department/Unit)
Pest Risk Analysis	
National standards development	
International notifications	
<i>Import:</i>	
Import permits	MAF/DOA/PPC/Agric. Regulatory Division
Import inspections	
Emergency action	
<i>Export:</i>	
Phytosanitary certificates	MAF/DOA/PPC/Agric. Regulatory Division
Treatment of commodities	

Infrastructure	Year: 2006
Number of plant quarantine officers authorized to inspect/certify	27
Total qualified personnel for plant pest risk analysis	
Number of quarantine offices	
entry points (sea/air/land/mail = total)	9
post-entry plant quarantine containment facilities	
other offices	
Number of quarantine service diagnosis laboratories	
In-country recognized pest diagnostics capabilities (incl. universities, etc.)	
Number of laboratories for insect/mite (arthropod) samples	
Number of laboratories for bacteria samples	
Number of laboratories for virus samples	
Number of laboratories for fungus samples	
Number of laboratories for mycoplasma samples	
Number of laboratories for nematode samples	
Number of laboratories for plant/weed samples	
Number of laboratories for other pests (snail, slug, rodents, etc.)	

Pest-Free Areas According to ISPM 10	Responsible Organizational Unit (Ministry/Department/Unit)	
Overall management		
– surveillance		
– management		
– certification		
List of target pest species and crops ISPM 4	Number of sites in [year]	
List of target pest species and crops ISPM 10	Number of sites in [year]	

### Key Situation Indicators

International Trade		Year:
Main Import Plant Commodities	Main countries/areas of origin	Quantity (tons)
Seed and planting material	Viet Nam, China, Thailand, India, UK, Australia	
Main Export Plant Commodities	Main destination countries	
Vegetables, coffee, tea, rice, maize, soybean, mungbean	EU, America, Japan, China, Viet Nam, Thailand	

Cooperation Projects			
Title (Purpose/Target)	Donor	Amount	Years (start-end)
Phytosanitary Capacity Development in CLMV countries	NZAID	Unknown	2000-2001
SPS Capacity Building Programme	AusAID	Unknown	2005-present
ASEAN Plant Health Capacity Project	AusAID	Unknown	2005-present
Title of government follow-up programmes		Amount	Years (start-end)

### Key Operation Indicators

Institutional Functions	Year: 2005
Number of import permits issued	
Number of import inspections carried out	
Number of emergency phytosanitary treatments taken on imports	
Number notifications of non-compliance	
Number of conventional phytosanitary certificates issued	2001
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				
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)			
Web source for further information: –			

### Progress and Constraints

<b>Main Progress in Recent Years</b> (legislation, policies, infrastructure, investments, training, etc.)
One in-country training on plant quarantine inspection (16 staffs have been trained basic level)
<b>Main Constraints</b> (personnel, infrastructure, administrative, operational, training, etc.)
Lack of personel, no infrastructure, no operational budget, not enough training

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				
ISPM 02 Guidelines for pest risk analysis	x			x				
ISPM 03 Code of conduct for the import and release of exotic biological control agents		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			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				
Comments/Constraints								



### 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

Web source for further information: –

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.)		
Web source for further information:		

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	MAF/DOA/PPC
Surveillance	MAF/DOA/PPC
Control	MAF/DOA/PPC
<i>Migratory Pest Outbreaks</i>	(e.g. locusts, birds, armyworm)
Response strategy/plans	
Surveillance	
Control	
<i>New Exotic Pest Eradication</i>	(e.g. coconut beetle)
Response strategy/plans	MAF/DOA/PPC
Surveillance	MAF/DOA/PPC
Control/eradication	MAF/DOA/PPC
Reporting to bilateral or international organizations	MAF/DOA

Infrastructure	Year: 2006
Number of designated staff for <b>surveillance</b> of field pests of national importance	0
Number of designated staff for <b>surveillance</b> of migratory and periodically occurring pests	0
Number of designated staff for <b>surveillance</b> of invasive species	0
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	Brontispa longissima		
Year of first discovery	2002		
Passway			
Location of first discovery			
Area affected [ha]			
Area treated [ha]			
Control method			
Expenditures			

Pest outbreak actions	Outbreak 1	Outbreak 2	Outbreak 3
Name of species	Coffee berry borer		
Year of outbreak			
Area affected [ha]	25 000		
Estimated damage \$			
Area treated by government [ha]			
Expenditures by government [\$]			
Control method	parasitoids		
More information			

**Progress and Constraints**

Main Progress in Recent Years (legislation, policies, infrastructure, investments, training, etc.)
Main Constraints (personnel, infrastructure, administrative, operational, training, etc.)
Lack of personnel, no infrastructure, no operational budget, not enough training

**IV. PEST MANAGEMENT**

Last updated: December 2006

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

(in preparation) Regulation on Organic Farming Standard

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.)		
Web source for further information:		

Organization of Plant Protection Functions	Responsible Organizational Unit (Ministry/Department/Unit)
Policy development	
Pest management research	
Control recommendations	MAF/DOA/PPC
Pest management extension	MAF/DOA/PPC
IPM training	
GAP training	

Infrastructure	Year: 2006
Number of technical officers for pest management	
Number of central, regional, provincial or state offices	
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	106
Number of government biocontrol production/distribution facilities	1
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> PPC	x	
Does the country have specific IPM extension programmes? <i>If yes, in which crops?:</i> Vegetables	x	
Does the country have specific IPM research programmes? <i>If yes, in which crops?:</i>		x
Does the country have specific GAP extension programmes? <i>If yes, in which crops?:</i>		
Does the country have specific GAP research programmes? <i>If yes, in which crops?:</i>		

Market shares (estimated value, volume or area under control)	Year:
Size of chemical pest control market	
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			
Name(s) of pest(s)			
Estimated crop loss			
Affected area			
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: 2006
Number of farmers trained in IPM during the year	
Number of IPM-FFS conducted during the year	203
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: Head Cabbage	
Crops grown organic/pesticide-free: Rice	

### Progress and Constraints

Main Progress in Recent Years (legislation, policies, infrastructure, investments, training, etc.)
Main Constraints (personnel, infrastructure, administrative, operational, training, etc.)
Lack of personnel, no infrastructure, no operational budget, not enough training

**V. PESTICIDE MANAGEMENT**

Last updated: December 2006

**List of Key Legislation/Regulations/Rules**

2000 Regulation on Management and Usage of Pesticides for Agricultural Production. Issue by Ministry of Agriculture and Forestry, No. 0886, Date: March 10, 2000

Web source for further information: –

Policies (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)		
Have you reported the observance of the Code of Conduct to FAO according to Art. 12 of the Code?		
Have you adopted Good Laboratory Practices (GLP)?		x
<b>Pesticide Registration</b>		
Do you require pesticides to conform to relevant FAO or WHO specifications?		
Do you allow the “me-too” registration and sale of generic pesticides?		
Do you require data on product equivalence for generic registration?		
Do you conduct country-specific risk assessments for...		
occupational risks?		
consumer risks?		
environmental risks?		
Have you adopted the Global Harmonized System (GHS) for pesticides hazards evaluation and labelling?	x	
Do you accept evaluation results from other countries?		
Do you accept field studies conducted in other countries?		
Do you require environmental fate studies?		
<b>Incentives/Disincentives</b>		
Do you have a special tax on pesticides to cover externality costs?		
Do you subsidize or provide low-cost pesticides?		
Do you subsidize or provide low-cost biopesticides?		

Organization of Plant Protection Functions	Responsible Organizational Unit (Ministry/Department/Unit)
Legislation	
Registration	MAF/DOA/PPC
Licensing of shops	MAF/DOA/PPC
Licensing of field applicators	
Enforcement/inspections	MAF/DOA/PPC
Testing of pesticide efficacy	MAF/DOA/PPC
Development of pesticide use recommendations	
Safe use training/extension	MAF/DOA/PPC
Food residue monitoring	
Environmental monitoring	MAF/DOA/PPC
Health monitoring	MAF/DOA/PPC

<b>Other Stakeholders:</b>	
Pesticide Industry Association	
Civil Society Organizations (NGO, etc.)	

<b>Infrastructure</b>	<b>Year:</b>
Number of registration officers	
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

<b>Pesticide Trade:</b>	<b>Tons</b>	<b>\$ '000 Value</b>
Imports	<10	
Manufacture	0	
Export	0	
Domestic Use/Sales		
<b>Pesticide Use Profile:</b>	<b>Tons (a.i./formulation to be specified)</b>	<b>\$ '000 Value</b>
Agriculture	<10	
Chem. Insecticides		
Chem. Fungicides		
Chem. Herbicides		
Chem. Others: e.g. molluscicide, acaricide		
Other e.g. Avamectrin, Bt, Neem		
Other purposes		
TOTAL		

### Post Registration Monitoring

<b>Testing, Quality Control and Effects in the Field</b>	<b>Yes</b>	<b>No</b>
Do you have significant problems with low-quality pesticides in the market?		
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: –		

<b>Health and Environmental Information</b>	<b>Yes</b>	<b>No</b>
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)	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	Year:	
	a.i.*	Trade Name
Number of registered pesticide products	46	100
Number of registered biopesticides (Avamectrin, Bt, Neem, etc.)		
Number of restricted-use pesticides/formulations		
Number of banned pesticides	26	
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**

<b>Main Progress in Recent Years (legislation, policies, infrastructure, investments, training, etc.)</b>
One awareness workshop on IPM and Near-Market Pesticide Use with respect to food safety and quality (16-17 November 2006)
<b>Main Constraints (personnel, infrastructure, administrative, operational, training, etc.)</b>
Lack of personel, no infrastructure, no operational budget, not enough training

**VI. ADDITIONAL ISSUES OF INTEREST**

Last updated: December 2006

<b>Genetically Modified Crops</b>	
Name of GMO Crop	Area under Cultivation [ha]