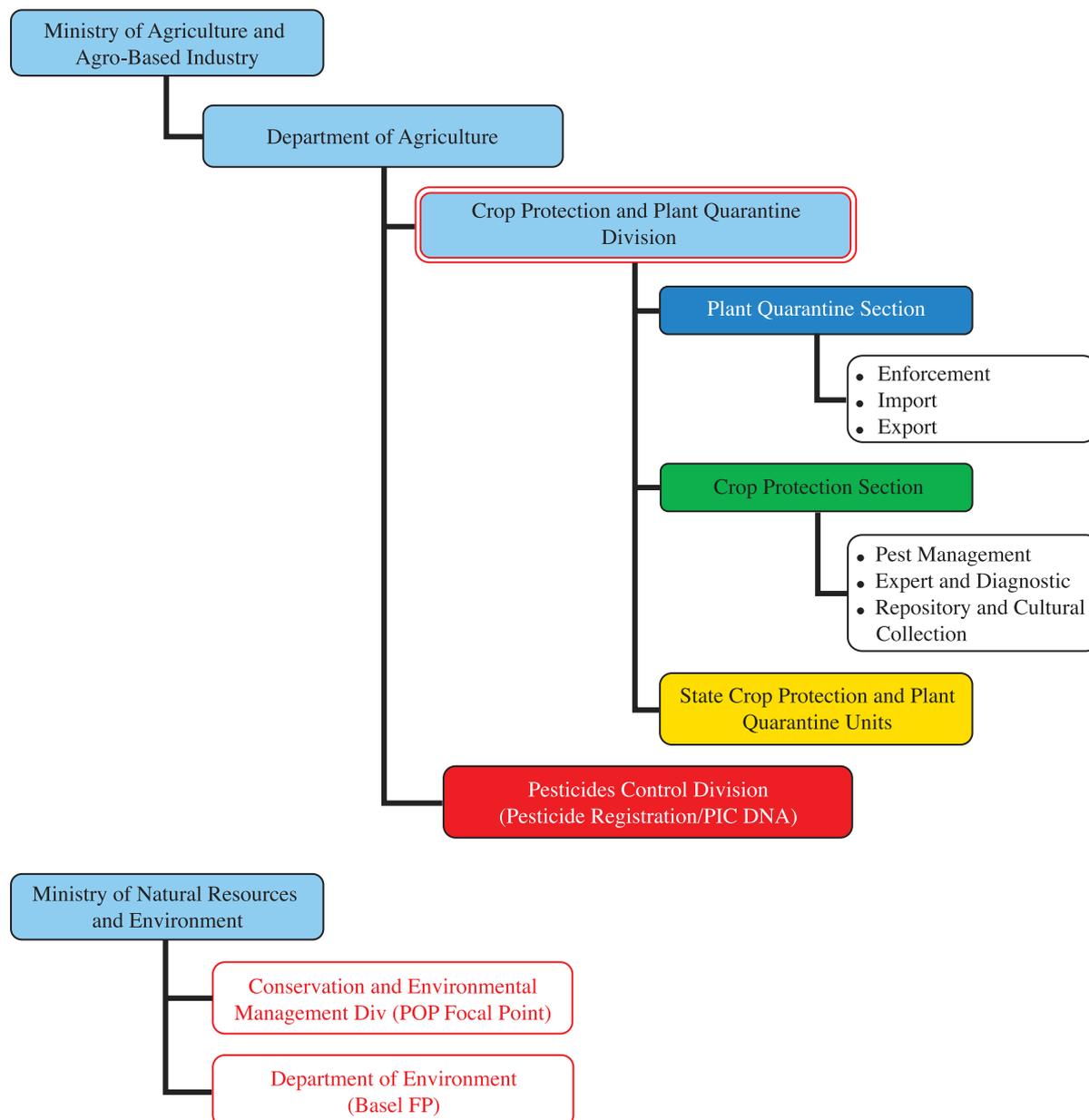


3.8 MALAYSIA

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 Agro-Based Industry

The Secretary General

Aras 15, Wisma Tani, Lot 4, G2, Presint 4

Pusat Pentadbiran Persekutuan

62623 Putrajaya, Malaysia

Tel: (+603) 88886637 / 1014

Website: <http://www.agrolink.moa.gov.my/>

Responsible Department

Department of Agriculture

Dato' Sofian Mohd Salleh, Director General

Aras 17, Wisma Tani, Lot 4, G2, Presint 4

Pusat Pentadbiran Persekutuan

62623 Putrajaya, Malaysia

Tel: (+603) 8870 3001 / 88884069

Fax: (+603) 8870 3044 / 88885069

E-mail: dato_sofian@doa.gov.my

Website: <http://www.doa.gov.my/main.php>

Address for nominations

Department of Agriculture

Dato' Sofian Mohd Salleh, Director General

Aras 17, Wisma Tani, Lot 4, G2, Presint 4

Pusat Pentadbiran Persekutuan

62623 Putrajaya, Malaysia

Tel: (+603) 8870 3001 / 88884069

Fax: (+603) 8870 3044 / 88885069

E-mail: dato_sofian@doa.gov.my

Website: <http://www.doa.gov.my/main.php>

Operational Offices:

Plant Protection

Plant Quarantine

Surveillance, Pest Outbreaks and Invasive Species Management

Crop Protection and Plant Quarantine Division

Director

Department of Agriculture

Jalan Gallagher

50632 Kuala Lumpur, Malaysia

Tel: (+603) 26972077

Fax: (+603) 26977125

Website: <http://www.doa.gov.my/pqnet>

Pesticide Registration

Pesticides Board

Secretary

Pesticides Control Division
Department of Agriculture
Jalan Gallagher
50632 Kuala Lumpur, Malaysia
Tel: (+603) 2 697 7260
Fax: (+603) 2 697 7225
E-mail: halimi@doa.gov.my

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

Crop Protection and Plant Quarantine Division

Ms Wan Normah Wan Ismail, Deputy Director

Department of Agriculture
Jalan Gallagher
50632 Kuala Lumpur, Malaysia
Tel: (+603) 2 697 3077 / 2 697 7160
Fax: (+603) 2 697 7164 / 2 697 7205
E-mail: wanis@doa.gov.my; wann54@yahoo.com
Website: <http://www.agrolink.moa.gov.my>

WTO-SPS Contact Point

Strategic Planning and International Division

Mr Foo Tew Nam, Principal Assistant Secretary

Ministry of Agriculture and Agro-Based Industry
Aras 13, Wisma Tani, Lot 4, G2, Presint 4
Pusat Pentadbiran Persekutuan
62623 Putrajaya, Malaysia
Tel: (+603) 8870 1212
Fax: (+603) 8888 1241
E-mail: tnfoo@agri.moa.my
Website: <http://www.agrolink.moa.gov.my/>

Rotterdam Convention (PIC) DNA Pesticides (P)

Pesticides Control Division

Director

Department of Agriculture
Ministry of Agriculture and Agro-Based Industry
Tel: (+603) 2697 7220
Fax: (+603) 2697 7225
E-mail: nousa@doa.gov.my

Stockholm Convention (POP) National Focal Point (S)

Conservation and Environmental Management Division

Dr Teddy Lian Kok Fei, Under Secretary

Ministry of Natural Resources and Environment

Conservation and Environmental Management Division

17th Floor, Tower Block 4G3, Precint 4

Federal Government Administrative Centre

62574 Putrajaya, Malaysia

Tel: (+603) 8886 1126

Fax: (+603) 8886 4473

E-mail: drlian@nre.gov.my

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

Department of Environment

Dato' Hajah Rosnani Bt. Ibrahim, Director General

Ministry of Natural Resources and Environment

Level 1-4, podium Block 2 & 3

Tower Block 4G3, Precint 4

Federal Government Administrative Centre

62574 Putrajaya, Malaysia

Tel: (+603) 8871 2174

Fax: (+603) 8889 1036

E-mail: hri@doe.gov.my

Montreal Protocol Focal Point

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Selected Country Statistics

Agricultural Population	3.9 million	Agricultural Land	7.5 million ha
GDP US\$103 161 million (2004)	Agric. GDP: 7.3%	GNI per capita: US\$4 960	Under nourishment: -%
Main crops grown: Oil palm, rubber, pepper and rice			

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

1974 Plant Quarantine Act (under revision)

1981 Plant Quarantine Regulations

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: http://www.doa.gov.my/pqnet/		

Organization of Plant Quarantine Functions	Responsible Organizational Unit (Ministry/Department/Unit)
Pest Risk Analysis	MOA/DOA/PPPQ
National standards development	MOA/DOA/PPPQ
International notifications	MOA/DOA
<i>Import:</i>	
Import permits	MOA/DOA/PPPQ/Post Entry Stations (PQS)
Import inspections	MOA/DOA/PPPQ/Post Entry Stations (PQS)
Emergency action	MOA/DOA/PPPQ
<i>Export:</i>	
Phytosanitary certificates	MOA/DOA/PPPQ
Treatment of commodities	MOA/DOA/PPPQ

Infrastructure	Year: 2005
Number of plant quarantine officers authorized to inspect/certify	20
Total qualified personnel for plant pest risk analysis	2
Number of quarantine offices	63
entry points (sea/air/land/mail = total) (http://agrolink.moa.my/pqnet/entrypoint.htm)	27/12/11/3 = 53
post-entry plant quarantine containment facilities	2
other offices	
Number of quarantine service diagnosis laboratories	5
<i>In-country recognized pest diagnostics capabilities (incl. universities, etc.)</i>	
Number of laboratories for insect/mite (arthropod) samples	22
Number of laboratories for bacteria samples	7
Number of laboratories for virus samples	3
Number of laboratories for fungus samples	15
Number of laboratories for mycoplasma samples	–
Number of laboratories for nematode samples	1
Number of laboratories for plant/weed samples	1
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	MOA/DOA/PPPQ	
– surveillance	MOA/DOA/PPPQ/Crop protection section	
– management	MOA/DOA/PPPQ	
– certification	MOA/DOA/PPPQ	
List of target pest species and crops ISPM 4	Number of sites in 2005	
Pest free area – mango seed weevils/mango	whole country	
Pest free area – khapra beetle/stored product	whole country	
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)
Rubber wood	Thailand, Indonesia, Cambodia	
Matured coconut	Thailand and Indonesia	
Tobacco	USA	
Fresh cut flowers	China, Netherlands, India, Germany and Japan	
Main Export Plant Commodities	Main destination countries	
Ornamental	Japan, Taiwan, Netherlands, UAE, USA	
Fruits	China, Netherlands, Hong Kong, Singapore	

Cooperation Projects			
Title (Purpose/Target)	Donor	Amount	Years (start-end)
Information Exchange: IPP Regional Workshop	FAO	US\$15 000	Jan 2005
Information Exchange: IPP Regional Workshop	FAO	US\$15 000	May 2005
Regional Workshop for PRA on SALB	FAO	US\$30 000	April 2006
Information Exchange: IPP Regional Workshop	FAO	US\$23 000	May 2005
Title of government follow-up programmes		Amount	Years (start-end)

Key Operation Indicators

Institutional Functions	Year: 2005
Number of import permits issued	24 912
Number of import inspections carried out	72 000
Number of emergency phytosanitary treatments taken on imports	1 863
Number notifications of non-compliance	12
Number of conventional phytosanitary certificates issued	24 189
Number of electronic phytosanitary certificates issued	0

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		79	164	17
Number of regulated non-quarantine pests				
Number of regulated import articles			30	
Web source for further information: http://www.doa.gov.my/pqnet/				

Pest Risk Analysis	Insects	Pathogens	Plants
No. of PRA completed and documented (according to ISPM)	–	–	–
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"> 1. Established and implemented the Malaysia Phytosanitary Certificate Assurance Scheme (MPCA) recently for control of pest and facilitate issuance of PC 2. Updating forest and mango pest list for the country 3. Hot water treatment on papaya fruits for market access to China
Main Constraints (personnel, infrastructure, administrative, operational, training, etc.)

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				Plan 2008
ISPM 03 Code of conduct for the import and release of exotic biological control agents		x			x			Plan 2008
ISPM 04 Requirements for the establishment of pest free areas			x	x				Plan 2007
ISPM 05 Glossary of phytosanitary terms			x			x		Plan 2007
ISPM 06 Guidelines for surveillance			x		x			Actual 2007
ISPM 07 Export certification system			x			x		Actual 2007
ISPM 08 Determination of pest status in an area			x		x			Plan 2008
ISPM 09 Guidelines for pest eradication programmes			x			x		Plan 2007
ISPM 10 Requirements for the establishment of pest free places of production and pest free production sites			x		x			Plan 2007
ISPM 11 Pest risk analysis for quarantine pests			x	x				Plan 2008
ISPM 12 Guidelines for phytosanitary certificates			x			x		Plan 2007
ISPM 13 Guidelines for the notification of noncompliance and emergency action			x			x		Plan 2007
ISPM 14 The use of integrated measures in a systems approach for pest risk management			x		x			Plan 2008
ISPM 15 Guidelines for regulating wood packaging material in international trade			x				x	Actual 2005
ISPM 16 Regulated non-quarantine pests: concept and application		x				x		Plan 2008
ISPM 17 Pest reporting			x		x			Plan 2007
ISPM 18 Guidelines for the use of irradiation as a phytosanitary measure		x		x				Plan 2008
ISPM 19 Guidelines on lists of regulated pests			x			x		Actual 2007
ISPM 20 Guidelines for a phytosanitary import regulatory system			x			x		Plan 2007
ISPM 21 Pest risk analysis for regulated non-quarantine pests		x		x				Plan 2008
ISPM 22 Requirements for the establishment of areas of low pest prevalence			x			x		Plan 2008
ISPM 23 Guidelines for inspection			x			x		Plan 2007
ISPM 24 Guidelines for the determination and recognition of equivalence of phytosanitary measures			x			x		Plan 2007
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

Surveillance – None

Pest reporting – Plant Quarantine Act 1976 and Plant Quarantine Regulations 1981

Emergency actions – Plant Quarantine Act 1976 and Plant Quarantine Regulations 1981

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: http://agrolink.moa.my/pqnet/kwln/P&r/pnrpadiframe.htm		

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	MOA/DOA/PPPQ/Crop protection section
Surveillance	MOA/DOA/PPPQ/Crop protection section
Control	MOA/DOA/PPPQ/Crop protection section
<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	MOA/DOA
Surveillance	MOA/DOA
Control/eradication	MOA/DOA
Reporting to bilateral or international organizations	MOA/DOA

Infrastructure	Year: 2005
Number of designated staff for surveillance of field pests of national importance	113
Number of designated staff for surveillance of migratory and periodically occurring pests	113
Number of designated staff for surveillance of invasive species	113
Number of designated staff for control of field pests of national importance	200
Number of designated staff for control of migratory and periodically occurring pests	200
Number of designated staff for eradication of invasive species	200

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	Mango seed weevil	Khapra beetle	PRSV
Year of first discovery	2000	1979	1988
Passway	Mango	Jute bag	Not sure
Location of first discovery	KLIA, Selangor	Kedah	Johor
Area affected [ha]	20	3 premises	
Area treated [ha]	1.0	3 premises	
Control method	IPM	Fumigation	Destroy, Burning & Cultural
Expenditures	RM10 000	RM100 000	RM300 000

Pest outbreak actions	Outbreak 1	Outbreak 2	Outbreak 3
Name of species	BPH/rice	Leaf feeders/rice	Rice blast
Year of outbreak	2005	2005	2005
Area affected [ha]	5 694	15 750	6 550
Estimated damage \$	–	–	–
Area treated by government [ha]			3 176
Expenditures by government [\$]			
Control method			<ol style="list-style-type: none"> 1. Spray with fungicides 2. Reduce source of inoculums 3. Plant resistant variety 4. Used disease free seeds 5. Seed treated with fungicides
More information			

Progress and Constraints

Main Progress in Recent Years (legislation, policies, infrastructure, investments, training, etc.)
Had conducted an APEC Workshop on Building Biosecurity Planning and Surveillance Capacity for APEC Member in Kuala Lumpur from 15-20 August 2005
Main Constraints (personnel, infrastructure, administrative, operational, training, etc.)

IV. PEST MANAGEMENT

Last updated: December 2006

List of Key Legislation/Regulations/Rules for Pest Management

–

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.) production of safe food		
Web source for further information: http://www.doa.gov.my		

Organization of Plant Protection Functions	Responsible Organizational Unit (Ministry/Department/Unit)
Policy development	MOA/DOA
Pest management research	MOA/DOA/MARDI (Malay. Agr. Res. Dev. Inst.)
Control recommendations	MOA/DOA/MARDI
Pest management extension	MOA/DOA
IPM training	MOA/DOA
GAP training	MOA/DOA

Infrastructure	Year: 2005
Number of technical officers for pest management	12
Number of central, regional, provincial or state offices	11
Number of district and village level field offices	92
Number of field/extension agents for pest management advice	826
Number of field/extension agents trained in IPM-FFS facilitation	200
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	400
Number of designated plant protection technical officers for extension	80

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> Rice IPM Programme	x	
Does the country have specific IPM extension programmes? <i>If yes, in which crops?:</i> Rice/Paddy	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> vegetables, fruits and rice	x	
Does the country have specific GAP research programmes? <i>If yes, in which crops?:</i> vegetables, fruits and rice	x	

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	1-2%

Major pest control requiring crops (requiring most pesticide applications)	1 st	2 nd	3 rd
Affected crop	Cut flowers	Vegetables	Rice/paddy
Name(s) of pest(s)	1. thrips 2. leaf miner		
Estimated crop loss	–	–	–
Affected area	–	–	–
Number of pesticide applications or amount of pesticide used	Varies 5-6 rounds	Varies 3-5 rounds	Varies 6-7 rounds
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: 2005
Number of farmers trained in IPM during the year	–
Number of IPM-FFS conducted during the year	None
Number of farmers trained in GAP standards during the year	50
Area under IPM/low pesticide management [ha]	–
Area under organic/pesticide-free management [ha]	810
Crops in which IPM or other ecology friendly programmes are successfully implemented: rice, vegetables (DBM), fruit, plantation crops	
Crops grown organic/pesticide-free: leafy vegetables, banana, carambola and maize	

Progress and Constraints

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

V. PESTICIDE MANAGEMENT

Last updated: December 2006

List of Key Legislation/Regulations/Rules

- 1949 Sodium Arsenate Regulations 1949
- 1956 Hydrogen Cyanide (Fumigation) Act 1956
- 1974 Pesticides Act 1974, (Amendment) 2004
- i. Pesticides (Registration) Rules 1976
 - ii. Pesticides (Importation for Research and Education Purposes) Rules 1981
 - iii. (Amendment) 1987
 - iv. Pesticides (Importation for Research and Education Purposes, or as Registration Sample or Analytical Standard) Rules (to be amended)
 - v. Pesticides (Labeling) Regulation 1984
 - vi. Pesticides (Licensing for Sale and Storage for Sale) Rules 1988
 - vii. Pesticides (Highly Toxic Pesticides) Regulation 1996, (Amendment) 2004
 - viii. Pesticides (Advertisement) Regulation 1996
 - ix. Pesticides (Pest Control Operators) Rules 2004
- 1974 Occupational Safety & Health Act 1974
- i. The Occupational Safety & Health (Use of Standard of Exposure of Chemical Hazardous to Health) Regulations 2000
- 1974 Environmental Quality Act 1974
- i. Environmental Quality (Prescribed Premises) (Scheduled Waste Treatment and Disposal Facilities) Order 1989
- 1983 Food Act 1983
- i. Food Regulations 1985

Web source for further information: <http://www.doa.gov.my/main.php?Content=vertsections&SubVertSectionID=17&VertSectionID=1&CurLocation=1&IID=>

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 you ratified the Basel Convention? (hazardous wastes)	x	
Have you 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?	x	
Have you adopted Good Laboratory Practices (GLP)?	x	
Pesticide Registration		
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? * <i>Tentative date of implementation: December 2008</i> Note: In preparation of adoption	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	
Incentives/Disincentives		
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

Organization of Plant Protection Functions	Responsible Organizational Unit (Ministry/Department/Unit)
Legislation	MOA/DOA/PCD (Pesticides Control Division)
Registration	MOA/DOA/PCD
Licensing of shops	MOA/DOA/PCD
Licensing of field applicators	MOA/DOA
Enforcement/inspections	MOA/DOA/PCD
Testing of pesticide efficacy	MOA/DOA/MARDI + Univ. Sci. Malaysia (USM)
Development of pesticide use recommendations	DOA/MARDI/MPOB/MRB/FRIM/USM
Safe use training/extension	MOA/DOA/HRDD
Food residue monitoring	MOA/DOA
Environmental monitoring	Dept. of Environment and MOA/DOA
Health monitoring	Ministry of Health
<i>Other Stakeholders:</i>	
Pesticide Industry Association	Malaysian Crop Care and Public Health Association
Civil Society Organizations (NGO, etc.)	PAN, Centre for Environmental Technologies

Infrastructure	Year: 2005
Number of registration officers	12
Number of enforcement officers	26
Number of department quality control laboratories	1
Number of quality control laboratory personnel	3
Number of department residue analysis laboratories	4
Number of residue laboratory personnel	6

Key Situation Indicators

Pesticide Trade:	Tons	\$ '000 Value
Imports		
Manufacture		
Export		
Domestic Use/Sales		

Pesticide Use Profile:	Tons (a.i./formulation to be specified)	\$ '000 Value
Agriculture		
Chem. Insecticides		18 000
Chem. Fungicides		7 000
Chem. Herbicides		63 000
Chem. Others: e.g. molluscicide, acaricide		4 000
Other e.g. Avamectrin, Bt, Neem		–
Other purposes		
TOTAL		94 000

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	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: Malaysia Crop Care & Public Health Association (MCPA)		

Key Operation Indicators

Registration/Regulation/Monitoring	Year: Jan-June 2006	
	a.i.*	Trade Name
Number of registered pesticide products	240	917
Number of registered biopesticides (Avamectrin, Bt, Neem, etc.)	0	0
Number of restricted-use pesticides/formulations	7	
Number of banned pesticides	25	
Number of licensed outlets	1 382	
Number of licensed field applicators (professional and/or farmers)	92	
Number of licensing violations reported during year	–	

Number of quality control analyses conducted during year	148
Number of food samples analyzed for pesticide residues during year	157
Number of samples exceeding MRL	Restricted information
Number of environmental samples analyzed for pesticide residues	89

* active ingredient

Pesticides Restricted in Recent Years	
Year	Name of active ingredient or hazardous formulation
2004	Monocrotophos, Methamidophos, Profenofos, Prothiofos, Quinalphos, Triazaphos and Phenthoate

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.)
i) Pesticide Act 1974 (amended 2004)
ii) Pesticide (Regulations) Rules 2005 (amended 2005)
iii) Ratification of Rotterdam Convention
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]