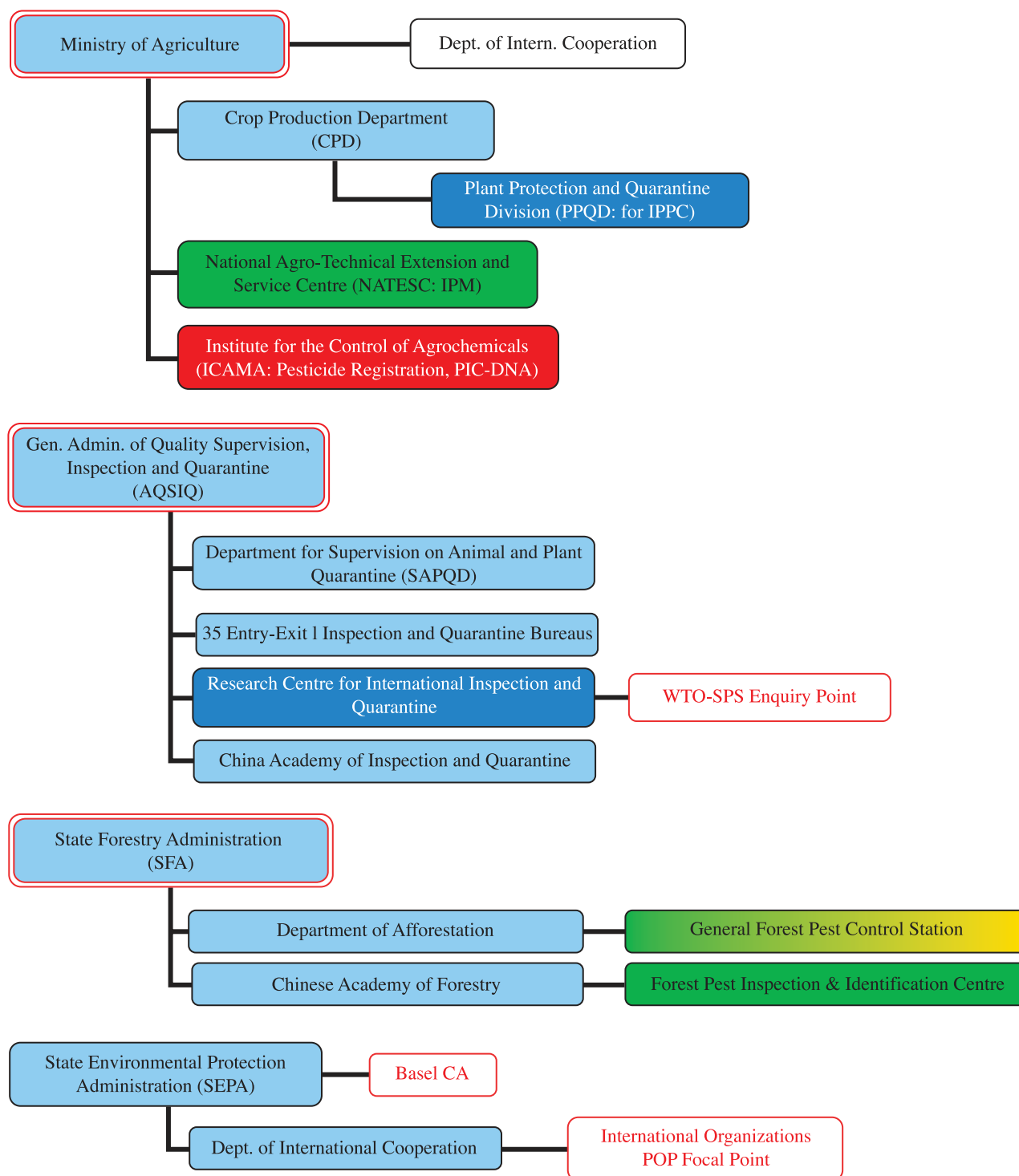


3.3 CHINA, PEOPLE'S REPUBLIC OF

I. GENERAL INFORMATION

Last updated: December 2006

Plant Protection Organization Chart



Color Code:



Important Contact Addresses

Responsible Ministry

Ministry of Agriculture (MOA)

Mr Dun Niu, Deputy Minister

No. 11 Nongzhanguan Nanli, Beijing, P.R. China 100026

Tel: 86-10-6419 2328

Fax: 86-10-6500 3621

Website: www.agri.gov.cn

Responsible Department

Crop Production Department, MOA

Mr Shouchong Wang, Deputy General Director

No. 11 Nongzhanguan Nanli, Beijing, P.R. China 100026

Tel: 86-10-6419 2864

Fax: 86-10-6419 3376

E-mail: ppq@agri.gov.cn

Website: www.agri.gov.cn

Address for nominations

International Cooperation Department

Ms Xiangjun Yao, Deputy General Director

Ministry of Agriculture

No. 11 Nongzhanguan Nanli, Beijing, P.R. China 100026

Tel: 86-10-6419 2400

Fax: 86-10-6500 4635

E-mail: yaoxj@agri.gov.cn

Website: www.agri.gov.cn

Operational Offices:

Plant Protection

Plant Protection & Quarantine Division

Mr Youquan Chen, Division Director

Crop Production Department, MOA

No. 11 Nongzhanguan Nanli, Beijing, P.R. China 100026

Tel: 86-10-6419 3350

Fax: 86-10-6419 3376

E-mail: ppq@agri.gov.cn

Websites: www.agri.gov.cn

www.ppq.gov.cn

Plant Quarantine***Agricultural Plant Quarantine***

Plant Protection & Quarantine Division

Ms Xiaoling Wu, Deputy Division Director (IPPC Contact Point)

Crop Production Department, MOA

Add: No. 11 Nongzhanguan Nanli, Beijing, P.R. China 100026

Tel: 86-10-6419 3350

Fax: 86-10-6419 3376

E-mail: ppq@agri.gov.cn

Websites: www.agri.gov.cn

www.ppq.gov.cn

Forestry Plant Quarantine

Pests Management Division

Ms Xiaohua Wang, Division Director

Forestation Department, State Forestry Administration (SFA)

Tel: 86-10-8423 8512

Fax: 86-10-8423 8067

E-mail: wangxiaohua@forestry.gov.cn

Website: www.forestry.gov.cn

Import/Export Plant Quarantine

Department for Supervision on Animal and Plant Quarantine

Mr Lu Houlin, Deputy Director-General

General Administration of Quality Supervision, Inspection and Quarantine (AQSIQ)

No. 9 Madiandonglu, Haidian District, Beijing, P.R. China 100088

Tel: 86-10-8226 1912

Fax: 86-10-8226 0155

E-mail: luhoulin@aqsiq.gov.cn

Website: www.aqsiq.gov.cn

Plant Quarantine Division

Mr Yiyu Wang, Division Director

Department for Supervision on Animal and Plant Quarantine

General Administration of Quality Supervision, Inspection and Quarantine (AQSIQ)

No. 9 Madian Donglu, Haidian District, Beijing, P.R. China 100088

Tel: 86-10-8226 1909

Fax: 86-20-8226 0157

E-mail: wangyiyu@aqsiq.gov.cn

Website: www.aqsiq.gov.cn

Surveillance, Pest Outbreaks and Invasive Species Management

National Agro-Tech Extension and Service Center (NATESC)

Mr Tianrun Zhong, Deputy General Director

Ministry of Agriculture

No. 20 Maizidian Street, Chaoyang District, Beijing, P.R. China 100026

Tel: 86-10-6419 4524

Fax: 86-10-6419 4726

E-mail: zhongtianrun@agri.gov.cn

Website: www.natesc.gov.cn

Pesticide Registration

Institute for the Control of Agrochemicals (ICAMA)

Mr Yunhao Wang, Director

Ministry of Agriculture

No. 22 Maizidian Street, Chaoyang District, Beijing, P.R. China 100026

Tel: 86-10-641 94055

Fax: 86-10-6502 5929

E-mail: wangyh@agri.gov.cn

Website: www.chinapesticide.gov.cn

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

Plant Protection & Quarantine Division

Ms Xiaoling Wu, Deputy Division Director

Crop Production Department, Ministry of Agriculture

No. 11 Nongzhanguan Nanli

Beijing, P.R. China 100026

Tel: 86-10-6419 2804

Fax: 86-10-6419 3376

E-mail: ppq@agri.gov.cn

Website: www.ppq.gov.cn

WTO-SPS Contact Point

Research Centre for International Inspection & Quarantine Technical Regulation &
Standard of the People's Republic of China

WTO-SPS Enquiry Point

General Administration of Quality Supervision, Inspection and Quarantine (AQSIQ)

No. 9 Madiandonglu, Haidian District, Beijing, P.R. China 100088

Rotterdam Convention (PIC) DNA Pesticides (P)

Institute for the Control of Agrochemicals (ICAMA)

Ms Yong-zhen Yang, Deputy Director-General (until December 2006)

Ministry of Agriculture

No. 22 Maizidian Street, Chaoyang, Beijing, P.R. China 100026

Tel: 86-10-6419 4071

Fax: 86-10-6502 5929

E-mail: yangyongzhen@agri.gov.cn

Stockholm Convention (POP) National Focal Point (P)

Division of International Organizations.

Mr Yue Ruisheng, Deputy Director General

Department of International Cooperation

State Environment Protection Administration

No. 115 Xizhimennei Nanxiaojie, Beijing, P.R. China 100035

Tel.: 86-10-6655 6492

Fax: 86-10-6655 6494

E-mail: yuers@zhb.gov.cn

Basel Convention Competent Authority (CA)

State Environmental Protection Administration

No. 115 Xizhimennei Nanxiaojie

Beijing, P.R. China 100035

Tel: 86-10-6655 6256/6257

Fax: 86-10-6655 6252

E-mails: zhong.bin@sepa.gov.cn or wangqian@sepa.gov.cn

Selected Country Statistics

Agricultural Population	745 million	Agricultural Land	1,23.4 million ha
GDP \$2 560 billion	Agric. GDP: 12.6%	GNI per capita: \$1 758	Undernourishment: 1.7%
Main crops grown: Rice, Wheat, Maize, Cotton			

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

- 1991 Law of the PRC on the entry and exit animal and plant quarantine
 1992 Regulation on Plant Quarantine
 1996 Regulation for the implementation of the entry and exit animal and plant quarantine

Web sources for further information: www.aqsiq.gov.cn, www.agri.gov.cn

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: http://www.aqsiq.gov.cn ; http://www.agri.gov.cn		

Organization of Plant Quarantine Functions	Responsible Organizational Unit (Ministry/Department/Unit)
Pest Risk Analysis	AQSIQ/SAPQD/PQD MOA/CPD/PPQD SFA/FD/PMD
National standards development	AQSIQ/SAPQD/PQD MOA/CPD/PPQD SFA/FD/PMD
International notifications	AQSIQ/SAPQD/PQD
<i>Import:</i>	
Import permits	AQSIQ/SAPQD/PQD MOA/CPD/PPQD SFA/FD/PMD
Import inspections	AQSIQ/SAPQD/PQD
Emergency action	MOA/CPD/PPQD SFA/FD/PMD AQSIQ/SAPQD/PQD
<i>Export:</i>	
Phytosanitary certificates	AQSIQ/SAPQD/PQD
Treatment of commodities	AQSIQ/SAPQD/PQD

Infrastructure	Year: 2005
Number of plant quarantine officers authorized to inspect/certify	30 000
Total qualified personnel for plant pest risk analysis	200
Number of quarantine offices	5 557
entry points (sea/air/land/mail = total)	598
post-entry plant quarantine containment facilities	10
other offices	4 949
Number of quarantine service diagnosis laboratories	63

In-country recognized pest diagnostics capabilities (incl. universities, etc.)	
Number of laboratories for insect/mite (arthropod) samples	many
Number of laboratories for bacteria samples	many
Number of laboratories for virus samples	many
Number of laboratories for fungus samples	many
Number of laboratories for mycoplasma samples	many
Number of laboratories for nematode samples	many
Number of laboratories for plant/weed samples	many
Number of laboratories for other pests (snail, slug, rodents, etc.)	many

Pest-Free Areas According to ISPM 10	Responsible Organizational Unit (Ministry/Department/Unit)	
Overall management	MOA/CPD/PPQD	
– surveillance	MOA/NATESC/Plant Quarantine Division	
– management	MOA/CPD/PPQD	
– certification	MOA	
List of target pest species and crops ISPM 4	Number of sites in 2006	
Codling moth on apples (pilot)	2 provinces	
List of target pest species and crops ISPM 10	Number of sites in [year]	

Key Situation Indicators

International Trade		Year: 2005
Main Import Plant Commodities	Main countries/areas of origin	Quantity (tons)
Soybean	USA, Brazil, Argentina	26.59 million
Wheat	Canada, Australia, USA	3.51 million
Tapioca	Thailand, Viet Nam, Indonesia	3.33 million
Main Export Plant Commodities	Main destination countries	
Corn	Japan, Korea, Southeast Asia	8.61 million
Fruit	EU, Southeast Asia, North America	2.04 million

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

Key Operation Indicators

Institutional Functions	Year: 2005
Number of import permits issued	19 000
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	529 000
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	1997	212	202	38
Number of regulated non-quarantine pests				
Number of regulated import articles				
Web source for further information: www.aqsiq.gov.cn				

Pest Risk Analysis	Insects	Pathogens	Plants
No. of PRA completed and documented (according to ISPM)			
Web source for further information: http://www.aqsiq.gov.cn			

Progress and Constraints

Main Progress in Recent Years (legislation, policies, infrastructure, investments, training, etc.)
Updated the domestic quarantine pest list Finished 3 modern post-entry plant quarantine containment facilities Investments doubled
Main Constraints (personnel, infrastructure, administrative, operational, training, etc.)
New quarantine staff must be trained before engaged

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	2001
ISPM 02 Guidelines for pest risk analysis			x				x	2001
ISPM 03 Code of conduct for the import and release of exotic biological control agents		x				x		2003
ISPM 04 Requirements for the establishment of pest free areas		x			x			2004
ISPM 05 Glossary of phytosanitary terms			x				x	2005
ISPM 06 Guidelines for surveillance			x				x	2000
ISPM 07 Export certification system			x				x	1998
ISPM 08 Determination of pest status in an area			x				x	2001
ISPM 09 Guidelines for pest eradication programmes			x				x	2002
ISPM 10 Requirements for the establishment of pest free places of production and pest free production sites			x				x	2004
ISPM 11 Pest risk analysis for quarantine pests			x				x	2002
ISPM 12 Guidelines for phytosanitary certificates			x				x	2003
ISPM 13 Guidelines for the notification of noncompliance and emergency action			x				x	2004
ISPM 14 The use of integrated measures in a systems approach for pest risk management			x				x	2003
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			2006
ISPM 17 Pest reporting			x				x	2004
ISPM 18 Guidelines for the use of irradiation as a phytosanitary measure		x			x			2003
ISPM 19 Guidelines on lists of regulated pests			x				x	2005
ISPM 20 Guidelines for a phytosanitary import regulatory system			x				x	2004
ISPM 21 Pest risk analysis for regulated non-quarantine pests			x			x		2005
ISPM 22 Requirements for the establishment of areas of low pest prevalence		x			x			2006
ISPM 23 Guidelines for inspection			x				x	2005
ISPM 24 Guidelines for the determination and recognition of equivalence of phytosanitary measures			x				x	2005
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/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

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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.) In 2005, the amount of \$22.5 million RMB Yuan were subsidized from national government for control of migratory and grain pests		
Web source for further information: www.agri.gov.cn		

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/CPD/PPQD, SFA MOA/NATESC + Provincial Plant Protection Stations
Surveillance	MOA/NATESC/Pest forecast division, SFA
Control	MOA/NATESC/Pest management division, SFA
<i>Migratory Pest Outbreaks</i>	(e.g. locusts, birds, armyworm)
Response strategy/plans	MOA/DCP/PPQD, SFA
Surveillance	MOA/NATESC/Pest forecast division, SFA
Control	MOA/NATESC/Pest management division, SFA
<i>New Exotic Pest Eradication</i>	(e.g. coconut beetle)
Response strategy/plans	MOA/DCP/PPQD, SFA
Surveillance	MOA/NATESC/Plant quarantine division, SFA
Control/eradication	MOA/NATESC/Plant quarantine division, SFA
Reporting to bilateral or international organizations	MOA/DCP/PPQD

Infrastructure	Year: 2005
Number of designated staff for surveillance of field pests of national importance	15 351
Number of designated staff for surveillance of migratory and periodically occurring pests	15 351
Number of designated staff for surveillance of invasive species	8 692
Number of designated staff for control of field pests of national importance	29 512
Number of designated staff for control of migratory and periodically occurring pests	29 512
Number of designated staff for eradication 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: Most recent	9	12	1
Total number for year: year before 2000	8	2	3
Total number on record	17	14	4

Eradication or internal quarantine actions taken against economically important species			
Name of species	Red fire ant		
Year of first discovery	2004		
Passway	Imported waste material		
Location of first discovery	Guangdong Wuchuan		
Area affected [ha]	13 333		
Area treated [ha]	13 333		
Control method	Poison bait		
Expenditures	6 million US\$		

Pest outbreak actions	Outbreak 1	Outbreak 2	Outbreak 3
Name of species	Locusts	BPH	Wheat stripe rust
Year of outbreak	2004	2004	2004
Area affected [ha]	2.2 million	23 million	4.3 million
Estimated damage \$	NA	210 million tons	63 million tons
Area treated by government [ha]	NA	NA	NA
Expenditures by government [\$]	NA	NA	NA
Control method	Pesticides, biopesticides	Pesticides	Seed treatments, crop diversities, fungicides
More information			

Progress and Constraints

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

IV. PEST MANAGEMENT

Last updated: December 2006

List of Key Legislation/Regulations/Rules for Surveillance, Pest Reporting and Emergency Actions

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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: http://www.ppq.gov.cn		

Organization of Plant Protection Functions	Responsible Organizational Unit (Ministry/Department/Unit)
Policy development	MOA/CPD/PPQD, SFA
Pest management research	MOA/NATESC, SFA
Control recommendations	MOA/NATESC, SFA
Pest management extension	MOA/NATESC, Plant protection station at county, prefecture and provincial levels. SFA
IPM training	MOA/NATESC, Plant protection station at county, prefecture and provincial levels. SFA
GAP training	Plant protection station at county, prefecture and provincial levels

Infrastructure	Year: 2005
Number of technical officers for pest management	29 512
Number of central, regional, provincial or state offices	600
Number of district and village level field offices	10 865
Number of field/extension agents for pest management advice	19 026
Number of field/extension agents trained in IPM-FFS facilitation	1 036
Number of government biocontrol production/distribution facilities	NA
Number of government biopesticide production/distribution facilities	NA
Number of general extension staff involved in pest management	29 512
Number of designated plant protection technical officers for extension	29 512

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> NATESC, MAO	x	
Does the country have specific IPM extension programmes? <i>If yes, in which crops?:</i> Vegetables and Fruits	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> Apple	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: 2005
Size of chemical pest control market	260.71 M ha
Size of biopesticides market	29.80 M ha
Size of biological control agents market	8.45 M ha

Major pest control requiring crops (requiring most pesticide applications)	1 st	2 nd	3 rd
Affected crop	Rice [2005]	Vegetables [2005]	Cotton [2005]
Name(s) of pest(s)	Rice borers, BPH, Leaf feeders, Rice blast, Sheath blight	Leaf miners, Cater- pillars, DBM, White-flies, Soil diseases, Leaf diseases	Cotton bollworm, Aphids, Lygus bugs
Estimated crop loss	630 million tons	1 119 million tons	35.1 million tons
Affected area	10.87 million ha	26 million ha	2.61 million ha
Number of pesticide applications or amount of pesticide used	10.67 million ha	2.5 million ha	1.76 million ha
Government action taken			

Cooperation Projects			
Purpose/Target	Donor	Amount	Years (start-end)
IPM-FFS in vegetables	FAO/Norway	450 000 US\$	2003-2007
Purpose/Target of government follow-up programmes		Amount	Years (start-end)
Matching funds for IPM-FFS in vegetables and fruits		100 000 US\$	2005-2007

Pest Management Extension	Year: 2005
Number of farmers trained in IPM during the year	2 400
Number of IPM-FFS conducted during the year	85
Number of farmers trained in GAP standards during the year	NA
Area under IPM/low pesticide management [ha]	NA
Area under organic/pesticide-free management [ha]	
Crops in which IPM or other ecology friendly programmes are successfully implemented: Rice, cotton, wheat, locusts	
Crops grown organic/pesticide-free:	

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

1982 **Pesticide Registration Regulation**

1989 Data Requirement of Pesticide Registration

1995 Pesticide Advertisement Inspection Measures (MOA and SA Industry & Commerce)

1997 **Regulation on Pesticide Administration**

1998 Implementation Rule of Regulation on Pesticide Administration (Min. Chem. Industry)

1999 Implementation Rule of Regulation on Pesticide Administration (MOA)

Web source: www.chinapesticide.gov.cn

Policies (regarding pesticide management)	Yes	No
Do you have national pesticide reduction targets? <i>If yes, what is the target:</i> <i>Note: Reduce the production of high toxic pesticides and persistence organic pollution pesticides</i>	Note	
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)	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
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?		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	National Legislative Bureau
Registration	MOA/ICAMA and ICAs
Licensing of shops	CAMTC/MOA
Licensing of field applicators	
Enforcement/inspections	AQSIQ, State Admin. for Industry and Commerce (SAIC), MOA
Testing of pesticide efficacy	State PPI, PPS
Development of pesticide use recommendations	MOA/ICAMA
Safe use training/extension	MOA/NATESC, + State PPS
Food residue monitoring	MOA
Environmental monitoring	MOA/ICAMA
Health monitoring	MOA/ICAMA
<i>Other Stakeholders:</i>	
Pesticide Industry Association	Crop Life China, China Pesticide Industry Assoc. China Pesticide Development and Application Assoc.
Civil Society Organizations (NGO, etc.)	

Infrastructure*	Year: 2005
Number of registration officers	445 (ICAMA:90)
Number of enforcement officers	20 000
Number of department quality control laboratories	62
Number of quality control laboratory personnel	510
Number of department residue analysis laboratories	56
Number of residue laboratory personnel	448
	Total: ~30 000

*only include the laboratories belonging to MOA

Key Situation Indicators

Pesticide Trade:	Tons	\$ '000 Value
Imports	27 627	146 850
Manufacture	1 030 000	22 636 310
Export	391 587	1 187 130
Domestic Use/Sales	258 000	5 670 000
Pesticide Use Profile:	Tons (a.i./formulation to be specified)	\$ '000 Value
Agriculture	258 000	
Chem. Insecticides	53%	
Chem. Fungicides	10%	
Chem. Herbicides	25%	
Chem. Others: e.g. molluscicide, acaricide	12%	
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	x	
Source for more information: www.chinapesticide.gov.cn		

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	Year: 2005	
	a.i.*	Trade Name
Number of registered pesticide products	600	20 000
Number of registered biopesticides (Avamectrin, Bt, Neem, etc.)	150	2 000
Number of restricted-use pesticides/formulations	21	
Number of banned pesticides	18	
Number of licensed outlets		
Number of licensed field applicators (professional and/or farmers)		
Number of licensing violations reported during year	600	
Number of quality control analyses conducted during year	15 000	
Number of food samples analyzed for pesticide residues during year	12 000	
Number of samples exceeding MRL	250	
Number of environmental samples analyzed for pesticide residues	1 000	

* active ingredient

Pesticides Restricted in Recent Years	
Year	Name of active ingredient or hazardous formulation
1982, 2002	Methamidophos, Parathion-methyl, Parathion, Monocrotophos, Phosphamidon, Phorate, Isofenphos-methyl, Terbufos, Phosfolan-methyl, Sulfotep, Carbofuran, Demeton, Aldicarb, Ethoprophos, Phosfolan, Coumaphos, Fonofos, Isazofos, Fenamiphos (Banned use on fruit, vegetable, tea and herbal medicine)
1982	Phorate (Restricted for seed dressing)
1982	Carbofuran (Restricted for broadcasting and seed dressing)
	Pyrethroid insecticides (Banned use on paddy)
	Lindan (Restricted for wheat or in wastelands)
	Fenvalerate, Dicofof (Banned use on tea)

Pesticides Banned in Recent Years	
Year	Name of active ingredient
1970's	Arsena, Acetate, Mercury compounds, dieldrin, aldrin
1982	Fluoroacetamide
1983	BHC, DDT, Dibromochloropropane, 敌枯双
1984	Ethylene dibromide
1986	Cyhexatin
1990	Chlordimeform (Promulgated 1990 and enforced 1992)
1990	培福郎
1991	Tetramine, Silatrane
1995	Gliflor
1997	Nitrofen (Promulgated 1997, production banned 2000, use banned 2001)
2007	Methamidophos, Parathion-methyl, Parathion, Monocrotophos, Phosphamidon

Cooperation Projects			
Purpose/Target	Donor	Amount	Years (start-end)
Sino-German Pesticide Quality Control Project	Germany Government	3 750 000 \$	1995-2002
Sino-German Obsolete Pesticide Management Project	Germany Government	2 550 000□	2004-2009
Sino-Dutch Minimize	Holland Government	2 849 461□	2003-2007
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 2006

Genetically Modified Crops	
Name of GMO Crop	Area under Cultivation [ha]
Cotton	3 542 000