Il Current situation of crop in China

At present, China ranks the first in total grain output in the world, with per capita output of grain reaching approximately tonnes (including legume and tuber crops), more than the global average level.

Crop planting area in China has been relatively stable these years, with a fluctuation range of 2%. The grain crops are always the main crops being planted in China, accounting for 6% of the total crop planting area in China in 1990, which was the largest proportion in history.

Table II.1 Planting area of different crops in China, 2000-2007 (10³ hectares)

Item	2000	2001	2002	2003	2004	2005	2006	2007
grain crops	108,463							
vegetable	15,237							
oil-bearing crops	15,400							
Cotton	4,041							
melon	2,045							
sugar crops	1,514							
tobacco leaf	1,437							
medicinal herbs	676							
Other crops	7,487							
Total planting area of crops								

Source: Ministry of Agriculture of the People's Republic of China

II-4 GM crops

Table II-4.1 Key researchers of GM crops in China

No.	Person in charge	Institute	Research content
1			
2			
3			
4			
5			To transfer CpTI gene and develop GM rice "II-Youming 86" To do research on the gene of rice which regulates its flowering
6			
7			
8			

III-1 Overview of China's pesticide industry

Table III-1.6 Capacity and output of pesticides in China, 1994-2007 (converted to 100% technical, tonnes)

Year	Insecticides		Herbicides		Fung	icides	Oth	Others		Total	
Teal	Сар.	Output	Сар.	Output	Cap. Output	Output	Сар.	Output	Сар.	Output	
1994				,	,	,					
1995											
1996											
1997	547,000										
1998	575,900										
1999	632,900			,	,	,					
2000	652,600				,	,					
2001	685,900					,					
2002	765,700					,					
2003	796,800										
2004	708,700					,					
2005	723,800										
2006											
2007											

Table III-1.10 Distribution of pesticide consumption in China in 2007, by province (tonnes)

Region	Herbicide	Insecticide	Fungicide	Total
Henan				
Shandong				
Hebei				
Hunan				
Sichuan				
Guangxi				
Guangdong				
Anhui				
Jiangsu				
Jiangxi				
Hubei				
Heilongjiang				
Shanxi				
Yunnan				
Jilin				
Liaoning				
Xinjiang				

Fujian			
Zhejiang			
Shanxi			
Guizhou			
Gansu			
Inner Mongolia			
Chongqing			
Hainan	569		
Ningxia	443		
Tianjin	323		
Beijing	313		
Shanghai			
Qinghai			
Tibet			
Total			

Source: CCM International Ltd.

Table III-2.2.2 Major manufacturers of herbicides in China in 2008, ranking by capacity

Herbicide	Ranking the 1st	Ranking the 2nd	Ranking the 3rd	Others
Glyphosate				
Acetochlor				
Butachlor				
Nicosulfuro n				
Atrazine	Technology Co., Ltd.	Chemical Industry Co., Ltd. (%)	Chemical Co., Ltd. %)	others (25.20%)
Paraquat				

IV-1.1 3S technology (Remote Sensing, Geography Information System and Global Positioning System)

Table IV-1.1.1 Institutes which developed radars used to monitor insects

Year	Radar	Institute
1986	Centimeter -wave radar for insect monitor	
1998	Centimeter-wave radar for insect monitor	
2004	Centimeter- wave vertical radar for insect monitor	
2006		
2006		

IV-3 Natural enemy introduction

Table IV-3.1 Natural enemies for the prevention and control of insect pests

Natural enemy	Insect pests	Source of natural	Comments
		enemy	
	Hyphantria cunea		
	Hemiberlesia pitysophila		

VI-1.1 Introduction to the major diseases

There are more than types of plant diseases in the world and China is one of the most severely stricken countries by plant diseases.

- Diseases in traditional crops

China is a traditional agricultural country and the diseases in traditional crops are very serious. Rice, wheat, corn and cotton play very important roles in Chinese people's major food. The planting area of rice, wheat, corn, and cotton accounted for of traditional crops in 2006.

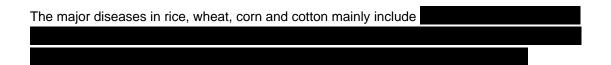


Table VI-1.1.1 Total stricken area of major diseases in traditional crops in 2003-2007, hectares

Year	Rice	Corn	Wheat	Cotton
2003				
2004				
2005				
2006				
2007				

Table VI-1.1.5 Total area hit by major diseases in horticulture, 2006-2007, million hectares

Year	Vegetable							
I Cai	Frosty mildew	Powdery mildew	Grey mould	Phytophthora capsici	Fusarium wilt	Total		
2006								
2007								

VI-2.1 Prevention and treatment in traditional crops

Table VI-2.1.1 Major pesticides that prevent and control diseases in traditional crops

	Rice blast	Sheath blight	Rice stripe	Big and small curvularia leaf spot	Stripe rust	Powdery mildew	Sharp eyespot	Fusarium wilt
Pesticides				thiophanate methyl				
				chlorothalonil				