

III-2 Production Situation of Chinese Pesticide Industry

III-2.1 Summary of Production of Chinese Pesticide Industry

- Capacity and Output

Table III-2.1-1 Capacity and Output of Pesticide Technical in the Past Years

Year	Insecticide		Herbicide		Fungicide		Others		Total	
	Cap.(t/a)	Output(t)	Cap.(t/a)	Output(t)	Cap.(t/a)	Output(t)	Cap.(t/a)	Output(t)	Cap.(t/a)	Output(t)
1994	400,000									
1995	474,000									
1996	513,000									
1997										
1998										
1999										
2000										
2001										
2002										
2003										
2004										
2005										
2006										
2007										

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III-3.2-1 Consumption of Insecticide in China

Table III-3.2-1-1 Consumption of Insecticide by Crop in 2007 (Unit: tonne)

	Rice	Wheat	Fruit	Vegetable	Corn	Cotton	Tea	Soybean	Others	Total
DDVP	■	■	■	■	■	■	■	■	■	■
Acephate	■		■	■	■	■	■	■	■	■
Trichlorfon		■	■	■	■	■	■	■	■	■
Chlorpyrifos	■	■	■	■	■	■	■	■	■	■
Dimethoate	■	■	■	■	■	■	■	■	■	■
Phoxim	■	■	■	■	■	■	■	■	■	■
Abamectin	■	■	■	■		■	■	■	■	■
Beta-cypermethrin	■	■	■	■	■	■	■	■	■	■
Imidacloprid	■	■	■	■	■	■	■	■	■	■
Total	■	■	■	■	■	■	■	■	■	■

III-3.2-2 Consumption of Herbicide

Table III-3.2-2-1 Consumption of Herbicide by Crop in 2007 (Unit: tonne)

	Rice	Wheat	Fruit	Corn	Cotton	Tea	Sugarcane	Rapeseed	Soybean	Rubber	Others	Total
Glyphosate	■	■	■	■	■	■	■	■	■	■	■	■
Acetochlor	■	■	■	■	■	■	■	■	■	■	■	■
Butachlor	■	■	■	■	■	■	■	■	■	■	■	■
Nicosulfuron	■	■	■	■	■	■	■	■	■	■	■	■
Atrazine	■	■	■	■	■	■	■	■	■	■	■	■
Paraquat	■	■	■	■	■	■	■	■	■	■	■	■
Total	■	■	■	■	■	■	■	■	■	■	■	■

III-3.3 Consumption Situation of Pesticide by Region

Table III-3.3-1 Consumption Situation of Main Species by Region in 2007 (Unit: tonne)

Region	Pesticide			Total
	Herbicide	Insecticide	Fungicide	
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	██	██	██	████
Ningxia	██	██	██	██
Tianjin	██	██	██	██
Beijing	██	██	██	██
Shanghai	██	██	██	██
Qinghai	██	██	██	██
Tibet	██	██	██	██
Total	████	████	████	████

IV Brief Introduction to Major Pesticides in China

IV-1 Insecticide

Insecticides have been taking up the largest proportion of pesticide. In 2007, the ban of the 5 highly toxic insecticides has left USD ██████ (RMB ██████ million) market gap for other insecticides substitutes in the market. The capacity washed out reached ██████t/a which took up ██████% of the total insecticide capacity in China.

The production of insecticide in China was mainly distributed in Jiangsu, Shandong, Hunan, Hubei and Zhejiang, and the output of these regions accounted for ██████% of total insecticide output in 2007.

Table IV-1-1 Classification of Insecticide

Classification standard	Category	Main Product
Reacting ways	██████████	██████████
	██████████	██████████
	██████	██████████

Mechanism of action		

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IV-1.1 DDVP (Dichlorvos)

➤ Production

Figure IV-1.1-1 Capacity and Output of DDVP Technical, 2005-2008 est.

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With great demand, both capacity and output of DDVP technical have been increasing in recent years. In 2008, capacity of domestic DDVP amounts to [REDACTED] tonnes from only [REDACTED] tonnes in 2005.

Why did the capacity of DDVP production expand?

- ✓ Firstly, with the abolishment of the 5 highly toxic insecticides in China, coupled with DDVP's quick effect, application of DDVP in mixed formulations is increasing, which drives the capacity expansion of DDVP.

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- Manufacturers

Table IV-1.1-1 Key Chinese Manufacturers of DDVP Technical in 2008

Manufacturer	Capacity, t/a	Share by capacity
Hubei Sanonda Co., Ltd.	[REDACTED]	[REDACTED]
Hebei Xinfeng Pesticide And Chemical Co., Ltd.	[REDACTED]	[REDACTED]
Shandong Dacheng Pesticide Co., Ltd.	[REDACTED]	[REDACTED]
Nantong Jiangshan Agrochemical & Chemical Co. Ltd.	[REDACTED]	12.00%
Total	[REDACTED]	[REDACTED]

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- **Specification**

80% DDVP EC and 50% DDVP EC are the major specifications among all the DDVP formulations in China.

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➤ **Price**

Figure IV-1.1-3 Price Change of DDVP Technical, 2005-2008 est.

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➤ **Technology**

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➤ **Consumption**

In general, the supply and demand of DDVP keeps relatively balanced.

Table IV-1.1- 2 Consumption of DDVP in 2007

	Rice	Wheat	Fruit	Vegetable	Corn	Others	Total
Volume, tonne	████	████	████	████	████	████	████
Share	████	████	████	████	████	████	████

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➤ **Future**

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