Note: Key data/information in this sample page is hidden, while in the report it is not

4 Supply and demand of pyrethroids in China

4.1 Summary of supply and demand

4.1.1 Supply summary

4.1.1.1 - Production situation (capacity and output), 2008~2010

In China, there have been more than [redacted] pyrethroids produced and promoted as of the end of May 2011. With the capacity expansion and many new production lines' being launched in recent years, China's total capacity of pyrethroids has reached [redacted] t/a as of the end of May 2011, meanwhile, their total technical output has hit [redacted] tonnes in 2010, compared to [redacted] tonnes in 2009 and [redacted] tonnes in 2008.

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Table 4.1.1.1-1 Production situation of key pyrethroids in China, as of May 2011, capacity: t/a, output: tonne

Product	Capacity '11	Capacity '10	Capacity '09	Output '10	Output '09	Output '08
Lambda-cyhalothrin	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]
Bifenthrin	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]
Alpha-cypermethrin	[redacted]	[redacted]	400	[redacted]	[redacted]	[redacted]
Beta-cyfluthrin	[redacted]	[redacted]	[redacted]	570	[redacted]	[redacted]
Deltamethrin	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]
Cypermethrin	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	745
Fenpropathrin	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]
Fenvalerate	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]
Esfenvalerate	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]
Cyfluthrin	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]
Permethrin	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]
Beta-cypermethrin	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]
Others	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]
Total	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]

Note: Production situation of key pyrethroids are ranked by output'10

Source: CCM International

4.1.1.2 - Key manufacturers

According to CCM's investigation, there have been over [redacted] companies engaged in the production of pyrethroids in China, and the top 9 manufacturers, with their total output of [redacted] tonnes in 2010, have captured [redacted]% of the total supply of pyrethroids.

Jiangsu Yangnong Chemical Co., Ltd. is the largest pyrethroid producer in China, with a capacity of [redacted] t/a in 2011 and an output of [redacted] tonnes in 2010, capturing [redacted]% and [redacted]% of China's total respectively.

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Table 4.1.1.2-2 Production situation of China's top 9 pyrethroid producers, as of May 2011, capacity: t/a, output: tonne

Manufacturer	Capacity '11	Capacity '10	Capacity '09	Output '10	Output '09	Output '08
Jiangsu Yangnong Chemical Co., Ltd.	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]
[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]
[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]
[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]
[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]
[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]
[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]
[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]
[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]
SubTotal	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]
Others	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]
Total	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]

Note: Pyrethroid producers are ranked by output'10

Source: CCM International

4.1.2 Demand summary

4.1.2.1 Consumption volume and value

After more than 30 years on the market, the role of pyrethroids in modern pest control is still significant today. Synthetic pyrethroids still represent the 3rd-largest class of chemical insecticides just behind organophosphates and neonicotinoids insecticides, accounting for almost [redacted] of the market value.

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Table 4.1.2.1-1 Consumption situation of pyrethroids calculated by AI, volume(tonne) and share, 2008-2010

Year	Corn	Wheat	Rice	Cotton	Fruits	Vegetable & melons	Tea	Others	Non-crop use	Total
2008	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]
	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]
2009	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]
	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]
2010	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]
	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]

Source: CCM International

4.2 Supply and demand of key products

4.2.1 Lambda-cyhalothrin

4.2.1.1 - Registration

According to the Institute for Control of Agrochemicals, Ministry of Agriculture (ICAMA), as of May 9, 2011, totally [redacted] effective products of lambda-cyhalothrin have been registered in China, i.e., [redacted] technicals [including 1 technical concentration(TC)], [redacted] single formulations and [redacted] mixed formulations.

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Table 4.2.1.1-1 Regional distribution of lambda-cyhalothrin technical registrations in China, by May 2011

Region	Registration number
Jiangsu	[redacted]
Guangdong	2
Anhui	[redacted]
Shanghai	[redacted]
Hunan	[redacted]
Hubei	[redacted]
Henan	[redacted]
Hebei	[redacted]
Zhejiang	[redacted]
Overseas	[redacted]
Total	[redacted]

Source: Institute for Control of Agrochemicals, Ministry of Agriculture (ICAMA) and CCM International

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4.2.1.2 - Production situation (capacity, output, key producers, etc.)

Up to May 2011, over [redacted] companies have owned the capacity for lambda-cyhalothrin technical production. However, owing to severe competition and gloomy oversea market, some manufacturers have been gradually phased out. Nowadays, merely around [redacted] companies still maintain their production lines of lambda-cyhalothrin technical, with the total capacity of [redacted].

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Table 4.2.1.2-2 Capacity and output of lambda-cyhalothrin technical producers in China, as of May 2011

No.	Company	Capacity			Output		
		2011	2010	2009	2010	2009	2008
1	Jiangsu Huangma						
2	Guangdong Yingde						
3	Nanjing Redsun						
4	Anhui Huaxing						
5	Jiangsu Changlong						
6							
7					130	75	
8					95	50	
9					20	10	
10							
11					80	60	
12							
13		350					
14		150			30	50	
15		100			60	65	
16		100					
17							
18							
19							
20							
Total	*/*						

Source: CCM International

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Table 4.2.1.4-2 Export destination of China's lambda-cyhalothrin, 2010, Kg

Country	95% Tech.	25g/L EC	50g/L EC	10% WP	AI 100% Volume
Argentina					
India					
Israel					
Egypt					
United States					
Pakistan					
Turkey					
Indonesia					
Russia					
Germany					
Others	176,539	1,588,817	163,362	29,639	227,639
Total					

Source: CCM International