

II Fipronil industry in China

II-2 Summary of fipronil production

II-2.1 Fipronil technical

China's fipronil technical production is concentrated in Jiangsu, Zhejiang, Anhui and Hubei. And the number of fipronil producers had reached XX in 2009,

Table II-2.1.1 Production distribution of fipronil technical in China, as of May 2010

No.	Province	Output'09 (t/a)	Capacity '10 (t/a)	Producer number	Share/Output	Share/Capacity
1	Zhejiang	XX	XX	XX	XX	XX
2	Jiangsu	XX	XX	XX	XX	XX
3	Anhui	XX	XX	XX	XX	XX
4	Hubei	XX	XX	XX	XX	XX
5	Shanghai	XX	XX	XX	XX	XX
6	Shandong	XX	XX	XX	XX	XX
7	Hebei	XX	XX	XX	XX	XX
8	Hebei	XX	XX	XX	XX	XX
9	Others	XX	XX	XX	XX	XX
	Total		XX	XX	XX	XX

Source: CCM International

II-2.3 Key fipronil manufacturers

Table II-2.3.1 Overview of fipronil producers in China, as of May 2010

No.	Producer	Product	Capacity'10,t/a			Output'09, tonnes		
			TC	5% SC	80% WP	TC	5% SC	80% WP
1	XX	XX	XX	XX	XX	XX	XX	XX
2	XX	XX	XX	XX	XX	XX	XX	XX
3	XX	XX	XX	XX	XX	XX	XX	XX
4	XX	XX	XX	XX	XX	XX	XX	XX
.....	XX	XX	XX	XX	XX	XX	XX	XX
45	XX	XX	XX	XX	XX	XX	XX	XX
46	XX	XX	XX	XX	XX	XX	XX	XX
47	XX	XX	XX	XX	XX	XX	XX	XX
	Total		XX	XX	XX	XX	XX	XX

Source: CCM International

At present, some fipronil producers have involved in producing fipronil which was used in animal health segment. And the fipronil used in animal health segment was mainly export to European and the US.

Table II-2.3.2 Fipronil producers involved in animal health segment, 2009

Producer	Product	Capacity'10, t/a	Output'09 , tonnes	Export proportion	Export destination	Technolog y source
XX	XX	XX	XX	XX	XX	XX
XX	XX	XX	XX	XX	XX	XX
XX	XX	XX	XX	XX	XX	XX
XX	XX	XX	XX	XX	XX	XX

Source: CCM International

III Key factors influencing fipronil development

III-1 Raw material and intermediate production situation

➤ 2,6-dichloro-4-trifluoromethylaniline

2,6-dichloro-4-trifluoromethylaniline is a key intermediate of fipronil. CCM has identified XX Chinese producers of 2,6-dichloro-4-trifluoromethylaniline, with their total output of XX tonnes in 2009, XX of which is exported to European and the US.

However, because of the restriction on the use of fipronil from Oct.1 2009, capacity and output of 2,6-dichloro-4-trifluoromethylaniline has an obvious shrinkage.

Table III-1.1 Capacity and output of 2,6-dichloro-4-trifluoromethylaniline producers in China, as of May 2010

No.	English name	Capacity'10 t/a	Output' 09, tonnes	Concentration	Price, USD/t
1		XX	XX	XX	XX
2		XX	XX	XX	XX
3		XX	XX	XX	XX
4		XX	XX	XX	XX
5		XX	XX	XX	XX
6		XX	XX	XX	XX
7		XX	XX	XX	XX
8		XX	XX	XX	XX
9		XX	XX	XX	XX
10		XX	XX	XX	XX
11		XX	XX	XX	XX
	Total	XX	XX	XX	XX

Source: CCM International