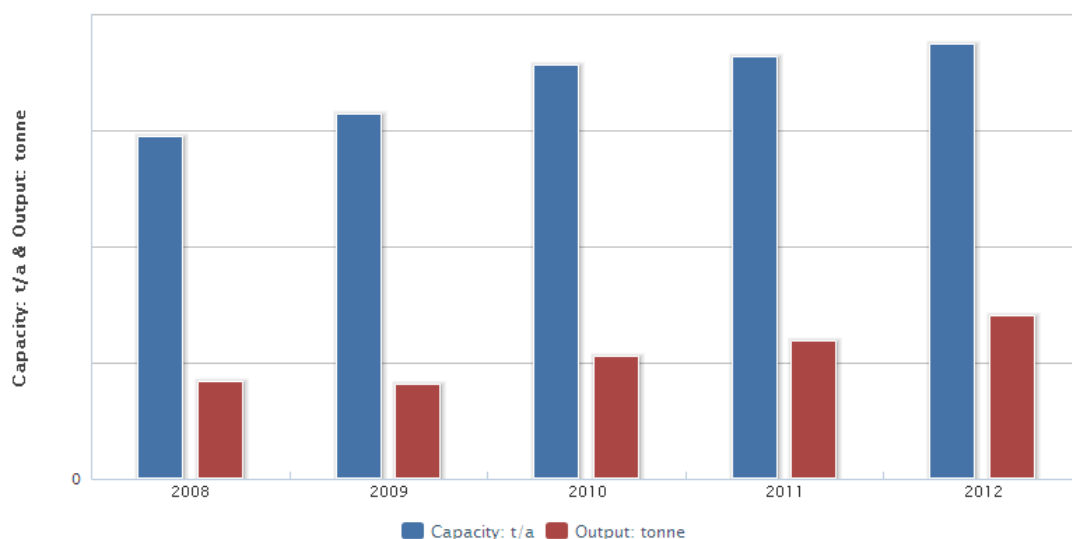


Note: Key data/information is this sample page is hidden, while in the report it is not.

## 2 Supply and demand of pyrethroids in China

### 2.1 Summary of supply and demand

Figure: Production situation of pyrethroids technical in China, 2008-2012



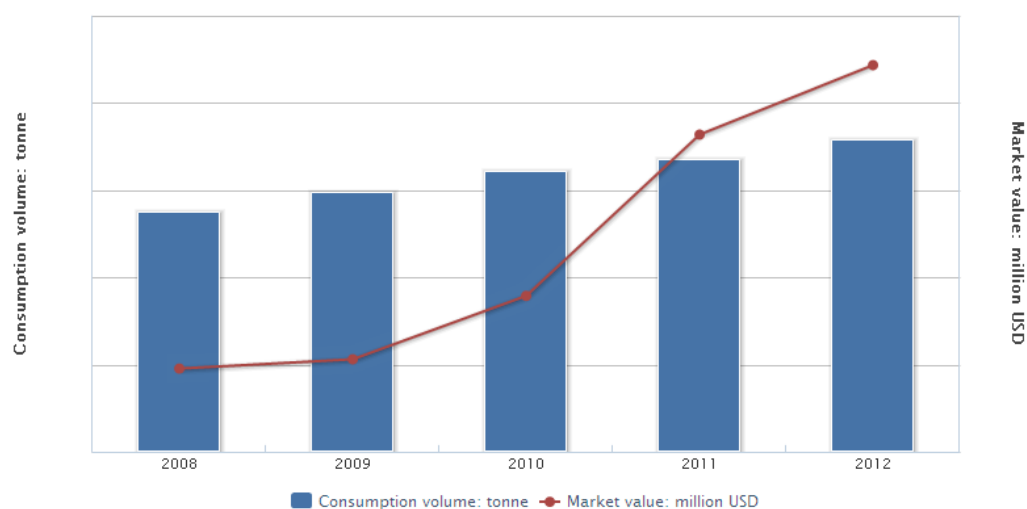
Source: CCM

Table: Production situation of key pyrethroids technical in China, 2008-2012

Product	Capacity, t/a					Output, tonne				
	2012	2011	2010	2009	2008	2012	2011	2010	2009	2008
Lambda-cyhalothrin					5,450					1,875
Bifenthrin					7,450					2,690
Alpha-cypermethrin					400					45
Beta-cyfluthrin					550					70
Deltamethrin										
Cypermethrin										
Fenpropathrin										
Fenvalerate										
Esfenvalerate										
Cyfluthrin										
Permethrin										
Beta-cypermethrin										
Others										
<b>Total</b>										

Source: CCM

Figure: Consumption volume and market value of pyrethroids in China, 2008-2012



Note: 1 Consumption volume is calculated by technical; 2 Market value is calculated by ex-factory level.  
Source: CCM

Table: Consumption volume of key pyrethroids in China, 2008-2012, tonne

Year	Lambda-cyhalothrin	Bifenthrin	Alpha-cypermethrin	Beta-cyfluthrin	Deltamethrin	XXX	XXX	XXX	Others	Total
2008	577	683	█	█	█	█	█	█	█	█
2009	█	█	█	█	█	█	█	█	█	█
2010	█	█	█	█	█	█	█	█	█	█
2011	█	█	█	█	█	█	█	█	█	█
2012	█	█	█	█	█	█	█	█	█	█

Source: CCM

Table: Consumption structure of key pyrethroids by application areas in China, 2008-2012

Year	Corn	Wheat	Rice	Cotton	Fruits	Vegetable & melons	Tea	Others	Non-crop use	Total
2008	39	120	11	556	420	█	█	█	█	█
	█%	█%	█%	█%	█%	█%	█%	█%	█%	█%
2009	█	█	█	█	█	█	█	█	█	█
	█%	█%	█%	█%	█%	█%	█%	█%	█%	█%
2010	█	█	█	█	█	█	█	█	█	█
	█%	█%	█%	█%	█%	█%	█%	█%	█%	█%
2011	█	█	█	█	█	█	█	█	█	█
	█%	█%	█%	█%	█%	█%	█%	█%	█%	█%
2012	█	█	█	█	█	█	█	█	█	█
	█%	█%	█%	█%	█%	█%	█%	█%	█%	█%

Source: CCM

## 2.2 Supply and demand of key products

### 2.2.1 Lambda-cyhalothrin

#### 2.2.1.1 Registration

Table: Valid registrations of lambda-cyhalothrin in China, as of April 2013

Effective year	Technical	Formulations		Total
		Single formulations	Mixed formulations	
2008	18	128	21	167
2009	4	208	35	247
2010	3	36	6	45
2011	2	41	2	45
2012	10	70	26	106
2013	3	31	17	51
Total	40	514	107	661

Source: ICAMA

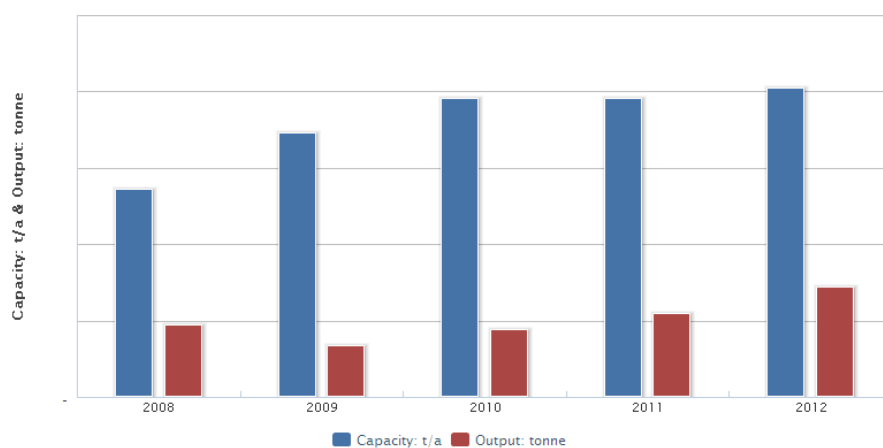
Table: Valid registrations of lambda-cyhalothrin technical in China, as of April 2013

No.	Company	Registration code	Content	Effective date	Expiration date
1	Qingdao KYX Chemical Co., Ltd.	PD20080913	96%	2008.07.14	2013.07.14
2	Jiangsu Fengshan Group Co., Ltd.	PD20081007	95%	2008.08.06	2013.08.06
3	Guangdong Liwei Chemical Co., Ltd.	PD20081390	95%	2008.10.28	2013.10.28
4	Jiangsu Hormone Research Institute Co., Ltd.	PD20081437	95%	2008.10.31	2013.10.31
5	Youth Chemical Co., Ltd.	PD20081448	95%	2008.11.04	2013.11.04
...	...	...	...	...	...

Source: ICAMA

#### 2.2.1.2 Production situation, 2008-2012

Figure: Capacity and output of lambda-cyhalothrin technical in China, 2008-2012



Source: CCM

Table: Capacity &amp; output of main lambda-cyhalothrin technical producers in China, 2008-2012

No.	Enterprise	Capacity, t/a					Output, tonne				
		2012	2011	2010	2009	2008	2012	2011	2010	2009	2008
1	Jiangsu Huangma										
2	Jiangsu Yangnong										
3					800	800				150	200
4											
5											
6											
7					500	0				60	0
8		200	200	200			100	80	50		
9											
10											
...	...	...	...	...	...	...	...	...	...	...	...
<b>Total</b>											

Source: CCM

## 2.2.1.3 Export situation, 2010-2012

Table: Export of lambda-cyhalothrin by month, 2012 (volume: kg; price: USD/kg)

Month	10% WP		100g/L CS		25g/L EC		50g/L EC		Technical		Total volume (kg)
	Volume (kg)	Unit price (USD/kg)	Volume (kg)	Unit price (USD/kg)	Volume (kg)	Unit price (USD/kg)	Volume (kg)	Unit price (USD/kg)	Volume (kg)	Unit price (USD/kg)	
Jan.	13,840	5.79									
Feb.	26,219	6.74									
March	28,615	5.47									
April	3,360	5.88									
May	11,072	5.11									
June	9,967	4.63									
July	7,090	7.09									
Aug.	3,856	5.32									
Sept.	0	0									
Oct.	18,500	8.57									
Nov.	29,700	7.18									
Dec.	3,000	7.90									
<b>Total</b>	<b>155,219</b>	<b>6.46</b>									

Source: CCM &amp; China Customs

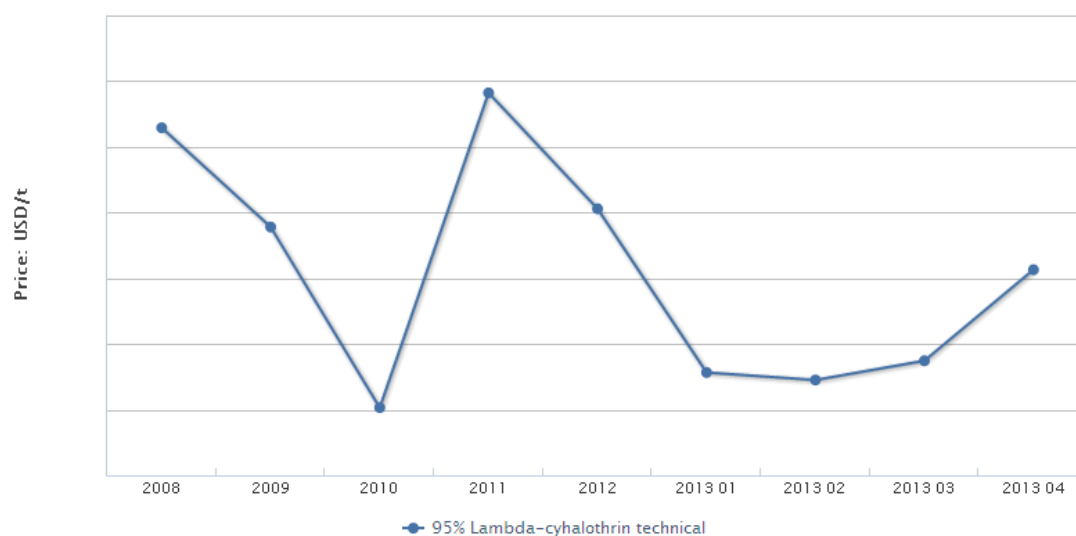
Table: Export of lambda-cyhalothrin by destination, 2012

No.	Country	10% WP (kg)	100g/L CS (kg)	25g/L EC (kg)	50g/L EC (kg)	Technical (kg)	Total volume (kg)	Total value (USD)
1	Ghana	0	■	■	■	■	■	■
2	Nigeria	0	■	■	■	■	■	■
3	Benin	0	■	■	■	■	■	■
4	■	■	■	■	■	■	■	■
5	■	■	■	■	■	■	■	■
6	■	■	■	■	■	■	■	■
7	■	■	■	■	■	■	■	■
8	■	■	■	■	■	■	■	■
9	■	■	■	■	■	■	■	■
10	■	■	■	■	■	■	■	■
11	...	...	...	...	...	...	...	...
<b>Total</b>		■	■	■	■	■	■	■

Source: CCM & China Customs

#### 2.2.1.4 Price, 2008-2013

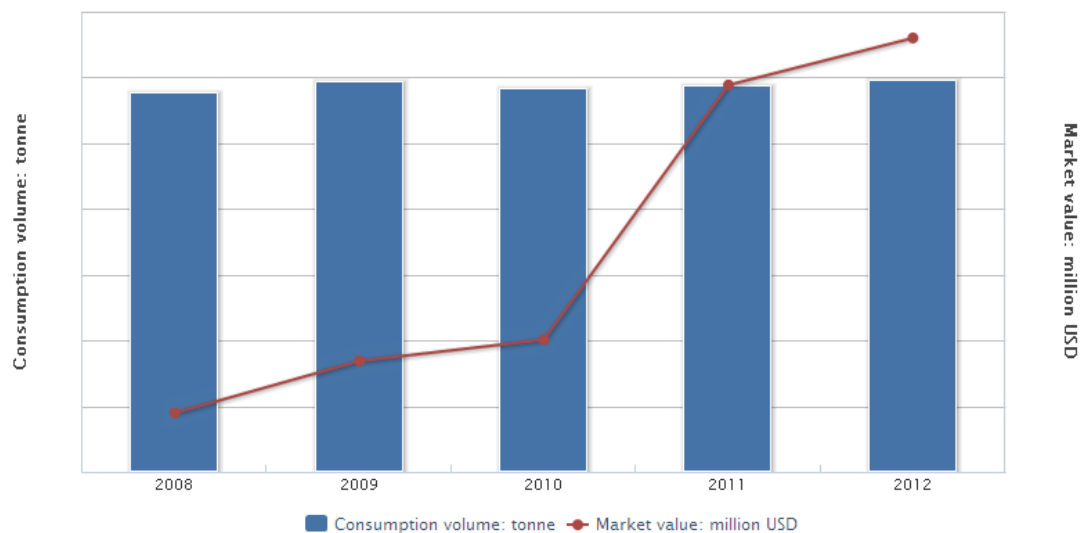
Figure: Ex-works price of lambda-cyhalothrin technical in China, 2008-April 2013



Source: CCM

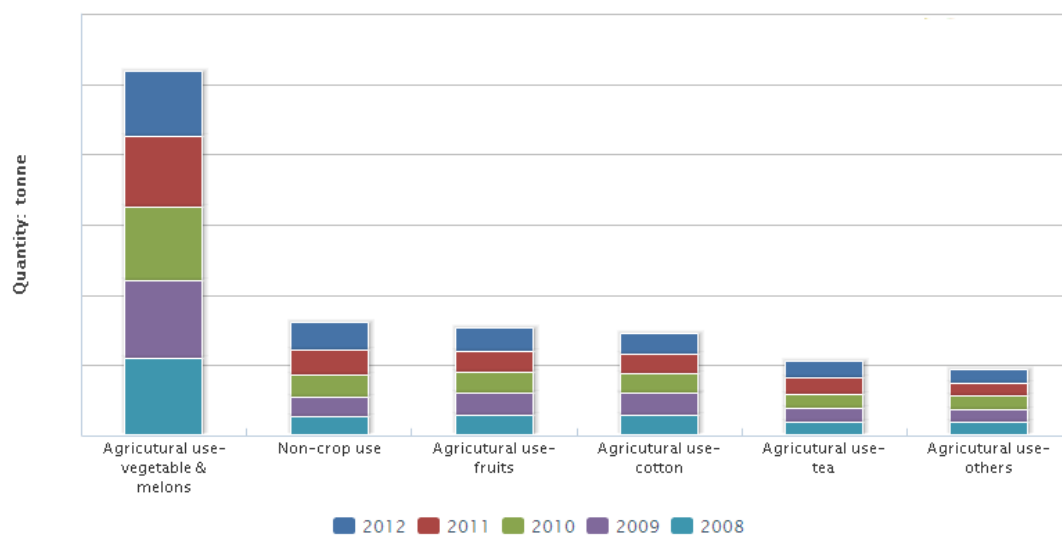
### 2.2.1.5 Consumption situation, 2008-2012

Figure: Consumption volume and market value of lambda-cyhalothrin formulations in China, 2008-2012



Source: CCM

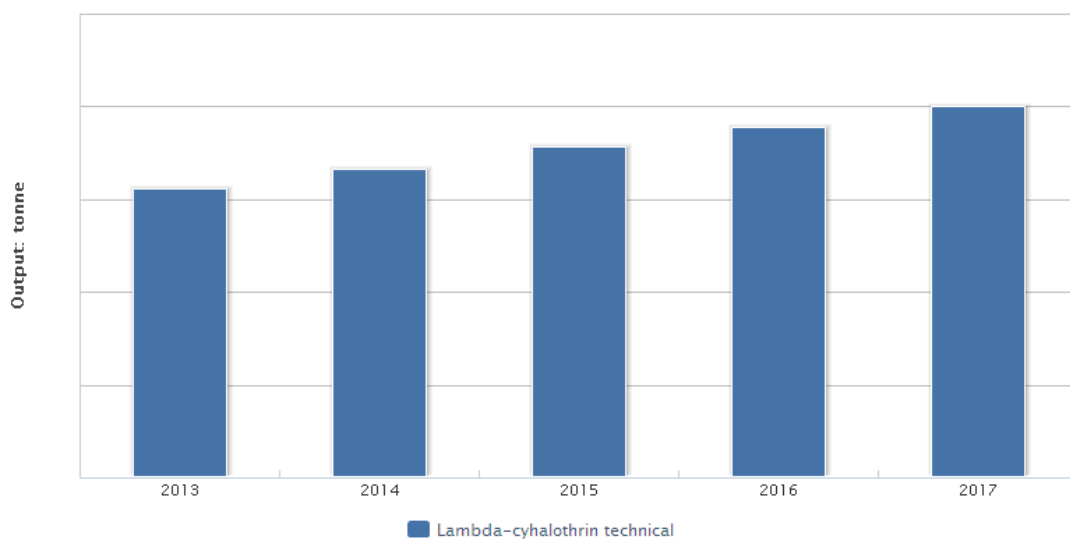
Figure: Consumption volume of lambda-cyhalothrin by application areas in China, 2008-2012



Source: CCM

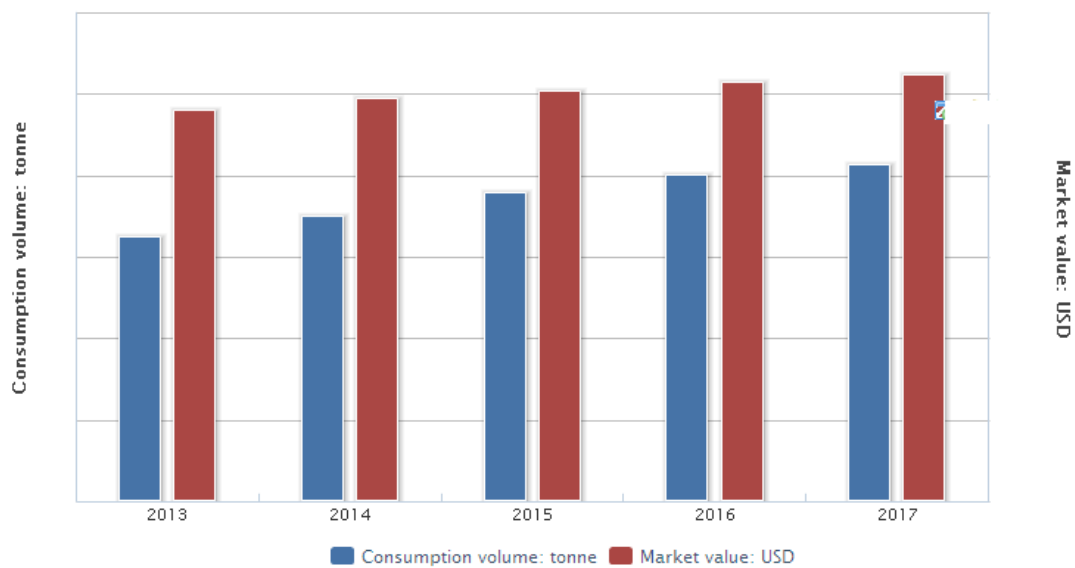
### 2.2.1.6 Outlook, 2013-2017

Figure: Output forecast of lambda-cyhalothrin technical in China, 2013-2017



Source: CCM

Figure: Forecast on consumption volume and market value of lambda-cyhalothrin formulations in China, 2013-2017



Source: CCM