


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

2 Pesticide patents in China

2.1 Active pesticide ingredients developed by Chinese units

Table 2.1-1 Pesticide innovated by Chinese institutions, as of Dec. 2013


Category	Product	Chemical classification	Development units	Innovation time	Patent in China	Registration	Manufactures
Insecticides	Xiaochongliulin	 http://www.cnchemicals.com/					
						
Fungicides	Pyrisoxazole						
						
Herbicides	Clacyfos						
						

Source: China National Chemical Information Center

2.2 Development units of pesticides creation in China

Table 2.2-1 Development units of Chinese innovative pesticides, as of Dec. 2013

No.	Development units
1	Shenyang Research Institute of Chemical Industry
2	xxxxxx
3	China Agricultural University
...
5	Central China Normal University
6	Dalian Institute of Chemical Physics, Chinese Academy of Sciences
7	East China University of Science and Technology
...



<http://www.cnchemicals.com/>

Source: China National Chemical Information Center

2.3 Pesticide patent layout in China


2.3.1 Pesticide patents applied by foreign companies in China

Table 2.3.1-1 Patent application situation of foreign pesticide companies in China, as of Mar. 30, 2014

No.	Company	Number			
		Total application	Invention patent	Utility-model patents	Industrial-design patent
1	DuPont	 http://www.cnchemicals.com/			
2	xxxxxx				
3	xxxxxx				
...				
9	Monsanto				
...				

Source: Beijing Enhe Intellectual Property Agency Co., Ltd.

2.3.2 Pesticide patents applied by domestic companies in China


No.	Company	Number			
		Total application	Invention patent	Utility-model patents	Industrial-design patent
1	Syngenta (China) Investment Co., Ltd.	 http://www.cnchemicals.com/			
2	xxxxxx				
3	xxxxxx				
...				
15	Shandong Weifang Rainbow Chemical Co., Ltd.				
...				

Source: Source: Beijing Enhe Intellectual Property Agency Co., Ltd.

3 Patent pesticides in global pesticide market

3.2 Off-patent pesticides during 2015-2020


Table 3.2-1 Pesticides to come off-patent in 2015-2020

Active Ingredient	Company	Expiry Date	Application
Herbicides	 http://www.cnchemicals.com /		
Flucetosulfuron			
.....			
Insecticides			
Bistrifluron			
.....			
Fungicides			
Amisulbrom			
.....			

Source: CCM

3.4 Registration of off-patent pesticides in China

Table 3.4-1 Registration information of metalaxyl-M in China, as of April 2015

Major active ingredient	Specification	Content	Product name	Registrant
Metalaxyl-M	FS			
Metalaxyl-M	FS			
Metalaxyl-M	SE			
Metalaxyl-M	SC			

Source: ICAMA