

# **New Registrations of Pesticide Technical in China in 2022**

The Eighth Edition

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**Researched & Prepared by:**

**Kcomber Inc.**

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## 1. Introduction

This report provides an overview of the new registrations of pesticide technical in China in 2022. According to ICAMA & CCM, during the period of 2022, a total of 706 pesticide products were approved in China, all in full or export-only registration with an expiry term of 5 years. Among them, 77 were newly registered pesticide technicals, applied by registrants located in seven regions in China. It introduces the new full registrations of herbicide, insecticide and fungicide technicals and newly added export-only TC/TKs in details. In addition, it also presents first registration of new active ingredients for pesticide technical in China during the year.

So this report can reflect the development status of the pesticide industry in China and guide investment and business movements for the upstream players who pay close attention to the industry or try to find opportunities from it.

What's about the number of new registrations of pesticide technical by different pesticide category? How about the number of new registrations by different toxicity level? How many pesticide active ingredients were included in the new registrations of pesticide technical? Which enterprise had the most new registrations? And how about the foreign enterprises registered in China? In this report, you will find the answers to the questions above, and to some more.

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## 2. Approach for this report

The report is drafted by diverse methods as follows:

- Desk research

The sources of desk research are various, including published magazines, journals, government websites and statistics, industrial statistics, association seminars as well as information from the Internet. A lot of work has gone into the compilation and analysis of the obtained information.

- Internet

CCM visited government websites and contacted with players in the domestic agrochemical industry through BXB websites and software.

- Data processing and presentation

The data collected and compiled are sourced from:

- √CCM's database
- √Published articles in periodicals, magazines, journals and third-party databases
- √Statistics from governments and international institutes
- √Telephone interviews with domestic producers, joint ventures, service suppliers and governments
- √Third-party data providers
- √Comments from industrial experts
- √Professional databases from other sources
- √Information from the internet

The data from various sources have been combined and cross-checked to make this report as precise and scientific as possible. Throughout the process, a series of internal discussions were held in order to analyse the data and draw the conclusions.

### 3. Executive summary

According to ICAMA, China recorded XXX registrations of pesticide technical in XXXX, of which XX were new registrations and XXX were renewal ones.

There were five kinds of newly registered pesticide technical in XXXX, with herbicide ones accounting for over XX% of the total new registrations. Among three levels of toxicity of the newly registered pesticide TC/TKs, the low-toxic ones took up a share of XX%. All new registrations had been applied by XX Chinese registrants located in seven regions in China. In addition, XX kinds of active ingredients were involved in the XX new registrations of pesticide technical, with X registered for the first time.

Since XXXX, MARA has issued a number of policies and stipulated that approvals would be given to pesticide registrations for export only. In XXXX, XX new export-only TC&TK products were approved in China, including X changed from full registration.

## 4. What is in the report?

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

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### 1.1 New registration status of pesticide technical

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Table 1.1-1 Registration (full, temporary or export-only) of pesticide technical in China, 2017–2022

Year	Full registration	Temporary registration	Export-only	Total
XXXX	XXX	XX	X	XXX
XXXX	XXX	X	X	XXX
XXXX	XX	X	X	XX
XXXX	XX	X	X	XX
XXXX	XX	X	XX	XX
XXXX	XX	X	XX	XX

*Note: The export-only registrations of TC/TK in 2022 include three paraquat TKs (i.e., EX20220145, EX20220243 and EX20220244) changed from full registrations.*

*Source: ICAMA & CCM*

### 1.2 New registrations by category

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Table 1.2-1 New registrations of pesticide technical in China by category, 2022

No.	Category	TC	TK	Number of registration
X	XXXXXXXXXX	XX	X	XX
X	XXXXXXXXXX	XX	X	XX
X	XXXXX XXXXXX XXXXXXXXXXXX	XX	X	XX
X	XXXXXXXXXXXX	XX	X	XX
X	XXXXXXXXXXXX	X	X	X
XXXXX		XX	X	XX

Source: ICAMA & CCM

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### 1.5 Registrants of new registrations

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Table 1.5-1 New registrations of pesticide technical held by Lier Chemical Co., Ltd., 2022

No.	Name of registrant	Registration code	Active ingredient	Content	Toxicity	Category
X	XXXX XXXXXXXXXX XXXX XXXX	XXXXXXXXXXXX	XXXXXXXXXXXXXXXXXX	XXX XX	XXXXXXXXXX	XXXXXXXXXX
X		XXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXXXX	XXXXXX XX	XXX	XXXXXXXXXXXXXX
X		XXXXXXXXXXXX	XXXXXXXXXXXXXXXXXX	XXXXXX XX	XXX	XXXXXXXXXX
X		XXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXXXX	XXX XX	XXX	XXXXXXXXXX
X	XXXXXXXXXX XXXX XXXXXXXXXX XXXX XXXX	XXXXXXXXXXXX	XXXXXXXXXXXXXXXXXX	XXX XX	XXXX	XXXXXXXXXX
X		XXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXXXX	XXX XX	XXX	XXXXXXXXXX
X		XXXXXXXXXXXX	XXXXXXXXXXXXXXXXXX	XXX XX	XXX	XXXXXXXXXX

Source: ICAMA & CCM

Table 1.5-2 New registrations of pesticide technical held by Shandong Weifang Rainbow Chemical Co., Ltd., 2022

No.	Name of registrant	Registration Code	Active ingredient	Content	Toxicity	Category
X	XXXXXXXXXX XXXXXXXXXX XXXXXXXXXX XXXXXXXXXX XXXX XXXX	XXXXXXXXXXXX	XXXXXXXXXXXXXXXXXX	XXX XX	XXXX	XXXXXXXXXXXX
X		XXXXXXXXXXXX	XXXXXXXXXX	XXX XX	XXX	XXXXXXXXXXXX
X		XXXXXXXXXXXX	XXXXXXXXXXXXXXXXXX	XXX XX	XXX	XXXXXXXXXXXXXXXXXXXXXXXXXXXX
X		XXXXXXXXXXXX	XXXXXXXXXXXXXXXXXX	XXXXXX XX	XXXXXXXXXX	XXXXXXXXXXXX
X		XXXXXXXXXXXX	XXXXXXXXXXXXXXXXXX	XXX XX	XXX	XXXXXXXXXXXX

Source: ICAMA & CCM

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## 2.1 Herbicide registration, registrant and active ingredient in China, 2019–2022

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Table 2.1-1 Number of registration, registrant and active ingredient of herbicide technical in China, 2019–2022

Item	2019	2020	2021	2022
XXXXXXXXXXXXXXXXXX	X	X	XX	XX
XXXXXXXXXXXX	X	X	XX	XX
XXXXXX XXXXXXXXXXXXX	X	X	XX	XX

Note: As for the total registrations in 2022, 3 were newly changed to export-only herbicide (paraquat TK) products.

Source: ICAMA & CCM

## 2.2 Details of full registrations of herbicide technical in China

In XXXX, among China's XX new full registrations, XX (=XX.XX% of total) were under herbicide technical category. By type, XX were TC products and X were TK products. These new registrations of herbicide technical belonged to XX registrants, containing X herbicide active ingredients.

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### 3.1 Insecticide registration, registrant and active ingredient in China, 2019–2022

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Table 3.1-1 Number of registration, registrant and active ingredient of insecticide technical in China, 2019–2022

Year	Item	Insecticide for agricultural use	Insecticide for hygienic use	Total
XXXX	XXXXXXXXXXXXX	X	X	X
	XXXXXXXXXXXXX	X	X	X
	XXXXXX XXXXXXXXXXX	X	X	X
XXXX	XXXXXXXXXXXXX	X	X	X
	XXXXXXXXXXXXX	X	X	X
	XXXXXX XXXXXXXXXXX	X	X	X
XXXX	XXXXXXXXXXXXX	XX	X	XX
	XXXXXXXXXXXXX	X	X	XX
	XXXXXX XXXXXXXXXXX	XX	X	XX
XXXX	XXXXXXXXXXXXX	X	X	X
	XXXXXXXXXXXXX	X	X	X
	XXXXXX XXXXXXXXXXX	X	X	X

Source: ICAMA & CCM

### 3.2 Details of full registrations of insecticide technical in China

In XXXX, there were eight insecticide technicals approved with full registration in China, accounting for XX.XX% of the total new full registrations. By type, all of them were TC products. These new insecticidal registrations belonged to X registrants, involving X active ingredients, i.e. diafenthiuron and chlorantraniliprole.

In China, FMC Corporation owned two compositions of matter patents for chlorantraniliprole: one has expired on 20 March, 2021 and the other on 13 Aug., 2022, spurring some Chinese enterprises to apply for a chlorantraniliprole TC registration. As of 31 Dec. 2022, totaling seven registrants have obtained new full registrations for their chlorantraniliprole TC products, including the listed pesticide/pharmaceutical

enterprises: Jiangsu Flag Chemical Industry Co., Ltd., Lier Chemical Co., Ltd., Shaanxi Meibang Pharmaceutical Group Co., Ltd. and Nanjing Red Sun Co., Ltd.

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## 5.1 Status of China's export-only registration, 2020–2022

Since XXXX, the Ministry of Agriculture and Rural Affairs of P. R. China (MARA) has issued a number of policies, including the *Announcement No. XXX* in June XXXX and the *Explanations for Announcement No. XXX* in Oct. XXXX, and stipulated that approvals would be given to pesticide registrations for export only, the involved products of which are strictly forbidden for use in China.

According to the data released by the Institute for the Control of Agrochemicals, Ministry of Agriculture and Rural Affairs of the People's Republic of China (ICAMA), totaling XXX export-only registrations of pesticides were granted in XXXX–XXXX, with XX TC/TK products included. Among the XX TC/TK ones, XX% (=XX) got their production registrations issued for export use in XXXX, marking great progresses compared with that in XXXX and XXXX.

Table 5.1-1 Export-only registration of pesticide technical & formulation in China, 2020-2022

Year	Technical (TC &TK)	Formulation	XXXXX
XXXX	X	X	X
XXXX	XX	XX	XXX
XXXX	XX	XXX	XXX
XXXXX	XX	XXX	XXX

Note:1. Two formulations (EX20210081 and EX20220066) were excluded, both of which were canceled as of March 2023.

2. In 2022, 16 newly changed export-only registrations from full registration were added with 3 TC/TK pesticides and 13 formulations.

Source:ICAMA & CCM

## 5.2 Registrant, active ingredient and toxicity of export-only registration in China

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Table 5.2-1 Number of new export-only registration, registrant and active ingredient of pesticide technical in China by region, 2022

No.	Region	Number of export-only registrations	Number of registrants	Number of active ingredients
X	XXXXXXXX XXXXXXXX	XX	X	XX
X	XXXXXXXX XXXXXXXX	X	X	X
X	XXXXX XXXXXXXX	X	X	X
X	XXXXXXXX XXXXXXXX	X	X	X
X	XXXXX XXXXXXXX	X	X	X
X	XXXXXXXXXX XXXXXXXXXX	X	X	X
X	XXXXXXXX XXXXXXXX	X	X	X
X	XXXXXXXXXX XXXXXXXXXX	X	X	X
	XXXXX	XX	XX	XX

Note: Since certain active ingredients could be applied by Chinese registrants in different provinces, the sum of counts in this chart might not equal the total.

Source: ICAMA & CCM

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Table 5.2-2 New export-only (TC&TK) registrations by category, 2022

Category	TC	TK	Number of export-only registrations
XXXXXXXXXX	XX	X	XX
XXXXXXXXXX	X	X	X
XXXXXXXXXXXX	X	X	X
XXXXX XXXXXX XXXXXXXXX	X	X	X
XXXXX	XX	X	XX

Source: ICAMA & CCM

...

### 5.3 Details of export-only registrations of pesticide technical in China

In XXXX, there were XX registrants holding XX new export-only pesticides, including X paraquat TKs changed from full registration. Thereinto, Shandong Weifang Rainbow Chemical Co., Ltd. boasted five new export-only TC&TK registrations (three herbicides, one fungicide and one insecticide); CAC Nantong Chemical Co., Ltd. got two herbicides: XX% asulam TC and XX.X% asulam TC; Jiangsu Youjia Plant Protection Co., Ltd. was approved for two fungicide certificates, namely, XX% difenoconazole TC and XX% difenoconazole TC; Jiangsu Agrochem Laboratory Co., Ltd. registered two herbicides, i.e. XX% butafenacil TC and XX.X% bentazone TK.

Table 5.3-1 New registrations of herbicide technical for export only in China, 2022

No.	Registrant	Registration code	Active ingredient	Content	Type	Expiry date	Toxicity
X	XXXX XXXXXXXX XXXXXXXXXX XXXX XXXX	XXXXXXXXXX	XXXXXX	XXX	XX	XXXXXXXXXX	XXXX
		XXXXXXXXXX	XXXXXX	XXXXXX	XX	XXXXXXXXXX	XXXX
X	XXXXXXXXXX XXXX XXXXXXXXXX XXXX XXXX	XXXXXXXXXX	XXXXXXXXXXXXX	XXX	XX	XXXXXXXXXX	XXX
X	XXXXX XXXXXXXXXX XXXXXXXXXX XXXX XXXX	XXXXXXXXXX	XXXXXXXXXX	XXX	XX	XXXXXXXXXX	XXXXXXXXXX
X	XXXXXXXXXX XXXXXXXXXX XXXXXXXXXXXXX XXXX XXXX	XXXXXXXXXX	XXXXXXXXXXXXX	XXX	XX	XXXXXXXXXXXXX	XXX
		XXXXXXXXXX	XXXXXXXXXX	XXXXXX	XX	XXXXXXXXXXXXX	XXX
X	XXXXXXXXXX XXXXXXXXXX X XXXXX XXXXXXXXXXXXX XXXX XXXX	XXXXXXXXXX	XXXXXXXXXX	XXX	XX	XXXXXXXXXXXXX	XXX
X	XXXXXXXXXX XXXXXXXXXXXXX XXXXXXXXXXXXX XXXX XXXX	XXXXXXXXXX	XXXXXXXXXXXXX	XXX	XX	XXXXXXXXXXXXX	XXX

X	XXXXXXX XXXXXXXXXX XX XXXXXXXXXX XXXX XXXX	XXXXXXXXXX	XXXXXXXXXXXXXX	XXX XX	XXXXXXXXXX	XXX
X	XXXXXXX XXXX XXXX XXXXXXXX XXXX XXXX	XXXXXXXXXX	XXXXXXXXXX	XXX XX	XXXXXXXXXX	XXXXXXXXXX
X	XXXXXXX XXXXXX XXXXXXXXXX XXXX XXXX	XXXXXXXXXX	XXXXXXXXXX	XXX XX	XXXXXXXXXX	XXX
XX	XXXX XXXXXXXXXX XXXX XXXX	XXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX	XXX XX	XXXXXXXXXX	XXX
XX	XXXXXXXXXX XXXX XXXXXXXXXX XXXX XXXX	XXXXXXXXXX	XXXXXXXXXXXXXX	XXX XX	XXXXXXXXXXXX	XXXX
XX	XXXXXXXXXX XXXXXX XXXXXXXXXX XXXXXXXXXX XXXX XXXX	XXXXXXXXXX	XXXXXXXXXXXXXX	XXX XX	XXXXXXXXXX	XXX
		XXXXXXXXXX	XXXXXXXXXX	XXX XX	XXXXXXXXXX	XXX
		XXXXXXXXXX	XXXXXXXXXXXXXXXXXX	XXX XX	XXXXXXXXXX	XXXX
XX	XXXXXXX XXXXXXXXXXXX XXXX XXXX	XXXXXXXXXX	XXXXXXXXXXXXXX	XXX XX	XXXXXXXXXX	XXXX
XX	XXXXXXX XXXX XXXXXXXXXX XXXX XXXX	XXXXXXXXXX	XXXXXXXXXX	XXXXXX XX	XXXXXXXXXXXX	XXXXXXXXXX

Note: Three renewed paraquat TK certificates were added from full registrations, with the dates of first registration on 14 Dec., 2007, 29 Feb., 2008 and 26 Feb., 2008, respectively.

Source: ICAMA & CCM

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Table 5.3-2 New export-only registrations of plant growth regulator in China, 2022

No.	Registrant	Registration code	Active ingredient	Content	Type	Expiry date	Toxicity
X	XXXXX XXXXXXXXXX XXXXXXXXXX XXXX XXXX	XXXXXXXXXX X	XXXXXXXXXXXXXXXXXXXXXXXXXXXXX X	XXXXXX	XX	XXXXXXXXXX	XXX
X	XXXXX XXXX XXXXXXXXXXXX X XXXXXXXXXXXX XXXX XXXX	XXXXXXXXXX X	XXXXXXXXXXXX	XXX	XX	XXXXXXXXXX X	XXXXXXXXXX

Source: ICAMA & CCM

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