

# China's designated chemical parks for pesticide production

The First Edition

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## 1. Introduction

In China, the chemical parks have been improved through standardised development. In Jan. 2022, MARA pointed out five directions for China's chemical industrial parks to facilitate the leap from standardised development to high-quality development in 2021–2025 and 31 key designated chemical parks were identified for the development of pesticide production.

CCM's recent research on 27 provinces/cities shows that chemical parks located in outside eastern provinces have greater potential for pesticide enterprises to develop sustainable large-scale projects in terms of land costs and resources. However, China's pesticide production capacities are mainly distributed in Jiangsu Province, Zhejiang Province and Shandong Province for years, which have stricter environmental protection supervision. Three factors set the tone in entrance assessment for designated industrial parks in major agrochemical production bases, which are environmental protection, production safety and construction of industrial chains.

By Sept. 2022, 597 identified (known as "designated" locally) chemical industrial parks/clusters in China. Primary research ending September also shows that 59 (planning, constructing and operational) projects were located in China's designated chemical parks in Q1-Q3 2022. In particular, 28 pesticide products are seeing production increase in China's designated chemical parks in Q1–Q3 2022.

In this report, CCM will analyse China's designated chemical parks for pesticide production from the following aspects:

- √ General situation of designated chemical parks in China
- √ Comparison of chemical parks in eastern agrochemical provinces
- √ 31 Key chemical parks for pesticide production, 2021–2025
- √ Projects of China's designated industrial parks, Q1–Q3 2022

## 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 statistics, industrial statistics, customs statistics, association seminars as well as information from the Internet.

### - Internet

CCM contacted with players in the domestic agrochemical industry through BXB websites and software as well as obtained registration information on the internet.

### - Data processing and presentation

The data collected and compiled are sourced from:

- CCM's database
- China Customs
- 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

In recent years, the Chinese government has proposed to strengthen the planning and guidance of China's chemical industry, carry out the identification and regulations of chemical parks and industrial transfer parks, and provide subsidies and other incentives for enterprises that relocate their business. By Sept. XXXX, there are XXX designated chemical industrial parks/clusters in China.

Researches on XX provinces/cities showed that chemical parks located in outside eastern provinces have greater potential for pesticide enterprises to develop sustainable large-scale projects in terms of land costs and resources. However, China's pesticide production capacities have been mainly distributed in Jiangsu Province, Zhejiang Province and Shandong Province for years, where stricter environmental protection supervision prevails. Three factors set the tone in entrance assessment for designated industrial parks in major agrochemical production bases, which are environmental protection, production safety and construction of industrial chains.

Since the end of XXXX, production enterprises in China's pesticide industry have actively responded to national industrial planning policies and accelerated their external expansion. CCM's primary research ending September also shows that XX (planning, constructing and operational) projects were located in China's designated chemical parks in QX-QX XXXX. In addition, XX technical products are underscored, including glufosinate-ammonium, diquat, clethodim and prothioconazole, etc.

#### 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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### 1.2 Designated chemical parks in China, as of Sept. 2022

In China, the chemical parks have been improved through standardised development. On XX Dec. XXXX, the Ministry of Industry and Information Technology (MIIT) of the People's Republic of China, the Ministry of Natural Resources (MNR) of the People's Republic of China and other departments jointly issued the *Construction Standards of Chemical Parks, and Measures for Accreditation and Management of Chemical Parks (trial implementation)*. Since then, China has made great efforts to standardise construction, enhance evaluation and recognition management for the safe and green development of chemical parks.

By Sept. XXXX, there are XXX identified (known as "designated" locally) chemical industrial parks/clusters—meaning they are in accordance with the related policies and standards for high-quality development—across XX provinces/cities. Thereinto, XX% are located in Shandong, Zhejiang, Hubei, Henan and Anhui provinces; XX% are in East and Central China.

Table 1.2-1 Number of designated chemical industrial parks/clusters in China by province/autonomous region/municipality, as of Sept. 2022

No.	XXXXXXXX / XXXXXXXXXXX XXXXXX / XXXXXXXXXXXXXXX	Number
X	XXXXXXXX XXXXXXXX	XX
X	XXXXXXXX XXXXXXXX	XX
X	XXXXX XXXXXXXX	XX
X	XXXXX XXXXXXXX	XX
X	XXXXX XXXXXXXX	XX
X	XXXXXXXX XXXXXXXX	XX
X	XXXXX XXXXXXXX	XX
X	XXXXXXXX XXXXXXXX	XX
X	XXXXX XXXXXXXX	XX

XX	XXXXXXXXXXXXXXXXXX	XX
XX	XXXXXXXXXXXXXXXXXX	XX
XX	XXXXXXXXXXXXXXXXXX	XX
XX	XXXXX XXXXXXXXX	XX
XX	XXXXXXXXXXXXXXXXXX	XX
XX	XXXXX XXXXXXXXX XXXXXXXXXXXX XXXXXX	XX
XX	XXXXXXXXXXXXXXXXXX XXXXXXXX	XX
XX	XXXXX XXXXXXXXX	XX
XX	XXXXXXXXXXXXXXXXXX	XX
XX	XXXXXXXXXXXXXXXXXX XXXXXXXX	XX
XX	XXXXXXXXXXXXXXXXXX XXXXXXXX	XX
XX	XXXXX XXXXXXXXX	XX
XX	XXXXXXXX XXX XXXXXXXXXXXX XXXXXXX	XX
XX	XXXXXXXXXXXXXXXXXX	XX
XX	XXXXXXXXXXXXXXXXXX XXXXXXX	X
XX	XXXXXXXXXXXXXXXXXX	X
XX	XXXXXXXXXXXXXXXXXXXXXX	X
XX	XXXXXXXXXXXXXXXXXXXXXX	X
XXXXX		XXX

Source:CCM

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## 2.1 Land costs and recourses for chemical parks

In China, the number of chemical parks in many provinces, especially in the eastern coastal region, is declining. Those stay on facing varying difficulties, including limited resources of land and energy, rising costs for operation and labour force, as well as insufficiency in addressing environmental pollution and production safety problems, along with restrictions on new projects or expansion.

Chemical parks in the central, western and northeast regions are growing in number, mainly due to relocation and transformation of Chinese chemical enterprises attracted by lower land cost, vast resources of all kinds and supportive government policies. CCM's recent research on more than XX provinces/cities shows that chemical parks located outside eastern provinces have greater potential for pesticide enterprises to develop sustainable large-scale projects in terms of land costs and resources.

In addition, the western industrial parks which enjoy exemptions from rent for a certain period of time and preferential taxation, and Wuhai City of Inner Mongolia and Alxa High-tech Industrial Development Zone, as well as Guang'an City of Sichuan Province, where the land costs are lower than USDX.X million/ha and large areas for industrial/commercial use.

Table 2.1-1 Land cost in chemical parks around China, as of Sept. 2022

No.	XXXXXXXXX /Region	Address of chemical park	Unit price of industrial land, '000 USD/ha	XXXXXXXXXX land available, ha	Unit price of commercial land, '000 USD/ha	Commercial land available, ha
X	XXXXXXXXX Province	XXXXXX XXXX	XXXX XXXX	XX XXXX	XXX XXXXX	X XXXX
X	XXXXXXXXX XXXXXXXXX	XXXXXXXXX XXXXXX	XXXX XXXX	X XXXX	XXX XXXXX	X XXX
X	XXXXXXXXX XXXXXXXXX	XXXXXX XXXX	XXXX XXXX	XX XXXX	XXX XXXXX	X XXX
X	XXXXXX XXXXXXXXX	XXXXXXXXXX XXX XXXX	XX XXXX	XX XXXX	XXX XXXXX	X XXXX
X	XXXXXXXXX XXXXXXXXX	XXXXXXXXX XXXXXX	XX XXXX	XXXX	XXX XXXXX	X XXX
X	XXXXXXXXX XXXXXXXXX	XXXXXXXXXX XXXX	XX XXXX	XX XXXX	XXX XXXXX	X XXXX
X	XXXXXXXXX XXXXXXXXX	XXXXXX XXXXXX	XX XXXX	X XXXX	XXX XXXXX	X XXXX
X	XXXXXX	XXXXXX	XX	XX	XXX	X

	XXXXXXXX	XXXX	XXXX	XXXX	XXXXX	XXX
X	XXXXXXXX XXXXXXXX	XXXXXXXX XXXX	XX XXXX	X XXXX	XXX XXXXX	X XXX
XX	XXXXXXXX XXXXXXXX	XXXXXXXXXX XXXXXXXX XXXX	XX XXXX	X XXXX	/	/
XX	XXXXXXXX XXXXXXXX	XXXXXXXX XXXX	XX XXXX	XX XXXX	XXX XXXXX	X XXXX
XX	XXXXX XXXXXXXX	XXXXXXXX XXXX	XX XXXX	XX XXXX	XXX XXXXX	X XXX
XX	XXXXX XXXXXXXX	XXXX XXXX	XX XXXX	XX XXXX	XXX XXXXX	X XXXX
XX	XXXXXX XXXXXXXX	XXXXXX XXXX	XX XXXX	XX XXXX	XXX XXXXX	X XXXX
XX	XXXXX XXXXXXXX	XXXXXXXXXX XXXX	XX XXXX	XX XXXX	XXX XXXXX	X XXXX
XX	XXXXXXXX Province	XXXXX XXXX	XX XXXX	X XXXX	XX XXXX	X XXX
XX	XXXXXXXXXX XXX XXXXXXXX	XXXX XXXX	XX XXXX	X XXXX	XXX XXXXX	X XXX
XX	XXXXX Province	XXXXXXXX XXXXXX	XX XXXX	XX XXXX	XXX XXXXX	X XXXX
XX	XXXXXX Province	XXXXX XXXX	XX XXXX	XX XXXX	/	X XXX
XX	XXXXXXXXXX XXX Province	XXXXXXXX XXXX	XX XXXX	XX XXXX	XX XXXX	X XXX
XX	XXXXXX XXXXXXXX	XXXXXXXXXX XXXX	XX XXXX	XX XXXX	/	X XXX
XX	XXXXXX XXXXXXXX	XXXXXXXX XXXXXX	XX XXXX	X XXXX	XXX XXXXX	X XXX



XX	XXXXXX XXXXXX XXXXXXXXXX X XXXXXX	XXXXXXXX XXXX	XX XXXX	XX XXXX	XX XXXX	X XXXX
XX	XXXXX XXXXXXXXXX XXXXXXXXXX X XXXXXX X XXXXXX	XXXX XXXXXXXXXX X XXXXX XXXXX XXXX	XX XXXX	XX XXXX	XXX XXXXX	X XXX
XX	XXXXX XXXXXXXXXX XXXXXXXXXX X XXXXXX	XXXX XXXXXXXXXX XXXXXXXXXX X XXXXXXXXXX XX Zone	X XXXX	XX XXXX	XX XXXX	X XXXX
XX	XXXXX XXXXXXXXXX	XXXXX XXXX XXXX	X XXXX	X XXXX	XX XXXX	X XXX

Source:CCM

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Table 2.1-2 Item cost in selected chemical parks of Jiangsu, Shandong and Zhejiang, as of Sept. 2022

No.	Item	Unit	Hua'an High-tech Industrial Development Zone, Jiangsu	Weifang Binhai Chemical Industrial Park, Shandong	Huzhou Moganshan High-tech Industrial Development Zone, Zhejiang
X	XXXXX	USD/m <sup>3</sup>	XXXX	XXXX	XXXX
X	XXXXXXXXXXXX	USD/kw·h	XXXX	XXXX	XXXX
X	XXXXXXXX XXX	USD/m <sup>3</sup>	XXXX	XXXX	XXXX
X	XXXXX	XXXXXXXXXX	XXXXX	XXXXX	XXXXX
X	XXXXX XXXXXXXXXX	XXXXXXXXXX	XXXX	XXXX	XXXX
X	XXXXXXXX XXX XXX XXX	XXXX XXXXX	XXXXXX	XXXXXX	XXXXXX
X	XXXX	XXXX XXXXX	XXXXXX	XXXXXX	XXXXXX

Source:CCM

## 2.2 Process status of three eastern provinces in 2021

Most Chinese pesticide enterprises are concentrated in the east coastal, central and western regions, and the latter two became more and more popular these years. Besides the higher environmental protection requirements, soaring land price in the eastern coastal cities is one of the main reasons for the industrial relocation to the central and western regions in the country.

In XXXX, Jiangsu, Shandong and Zhejiang Provinces had X,XXX, X,XXX and X,XXX industrial enterprises "above designated size" (meaning their annual revenue equating to/above RMBXX million), respectively. Jiangsu Province's chemical production enterprises earned total revenues of USDXXX.XX billion, the largest amount among them.

Table 2.2-1 Comparison of Jiangsu, Shandong and Zhejiang, as of 2021

Item	Jiangsu	Shandong	Zhejiang
XXXXXXXXXXXXXXXX XX XXXXXXXX XXXXX	XX	XX	XX
XXXXXX XX XXXXXXXX XXXXXXXXXXXX XXXXXXXXXXXX XXXXX XXXXXXXXXXXX XXXXX XXXX	XXXXXX	XXXXXX	XXXXXX
XXXXXX XXXXXXXX XX XXXXX XXXXXXXX XXX	XXXXXX	XXXXXX	XXXXXX

Source:CCM

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### 2.3.1 Environmental protection

...

Table 2.3.1-1 Environmental protection considerations in chemical parks in Jiangsu, Shandong and Zhejiang, as of 2021

Item	Jiangsu	Shandong	Zhejiang
XXXXXXXXXX XXXX	<ul style="list-style-type: none"> <li>• XXXXXXXXXXXX farmland</li> </ul>	<ul style="list-style-type: none"> <li>• XXXXXXXXXXX XXXXXX</li> </ul>	<ul style="list-style-type: none"> <li>• XXXXXXXX XXXXXXXXXXXX XXXXXXXXXXXXXXX XXXX</li> </ul>
	<ul style="list-style-type: none"> <li>• XXXXXXXXXXXXXXX XXXXXXX XXXX</li> </ul>	<ul style="list-style-type: none"> <li>• XXXXXXXXXXXXXXX XXXX XXXXXXXXXXXXXXX XXXX</li> </ul>	<ul style="list-style-type: none"> <li>• XXXXXXXXXXXXXXX XXXXXXX XXXX</li> </ul>
	<ul style="list-style-type: none"> <li>• XXXXXXX XXX XXXXX XX XXXX XXXXXXXXXXXXXXX XXX XXXX XXXXXXX X XXXXXXXXXXXXXXX XX XXX XXXXXXX XXXXXXX XXXXXXX</li> </ul>	<ul style="list-style-type: none"> <li>• XXXXXXXXXXXXXXXXXXXXXXX zone between XXXXXXXXXXXXXXX XX XXX XXXX</li> </ul>	
	<ul style="list-style-type: none"> <li>• XXXXXXX XXXXXXX</li> </ul>	X	X
	<ul style="list-style-type: none"> <li>• XXXXXXXXXXXXXXX XXXXXXXXXXXXXXX XXXX XX XXXXXXXXXXXXXXX XXXXX XXXXXXX</li> </ul>		
	<ul style="list-style-type: none"> <li>• XXXXXXXXXXXXXXX XXXX XX XXXXXXX XXXXXXXXXXXXXXX XXX XXXXXXXXXXXXXXX XXXXXXXXXXXXXXX</li> </ul>		
	<ul style="list-style-type: none"> <li>• XXXXXXX XXXXXXX XXXX</li> </ul>		X
XXXXXXXXXX X XXXXXXXXXX XXXXXXXXXX	<ul style="list-style-type: none"> <li>• XXX XXX XXXXXXX XXXXXXX XXXXXXX XX XXXXX XXXXXXXXXXXXXXX</li> </ul>	<ul style="list-style-type: none"> <li>• XXXXXXX wastewater XXXXXXXXXXXXXXX XXXXXXX XXXXXXXXXXXXXXX</li> </ul>	<ul style="list-style-type: none"> <li>• XXX XXXXXXXXXXXXXXX XXXXXXXXXXXXXXX XXX XXX XXXXX XXX XXXXXXX XXXXXXXXXXXXXXX</li> </ul>
	<ul style="list-style-type: none"> <li>• XXX volatile</li> </ul>	<ul style="list-style-type: none"> <li>• XXXXXXX XXX XXXXXXXXXXXXXXX XXXXXXXXXXXXXXX XXX XXXXXXXXXXXXXXX</li> </ul>	

	<p>XXXXXX XXXXXXXXXX XXXXX</p>	<ul style="list-style-type: none"> <li>• XXXXXXXX XXXXXXXXXXXXXXXX XXX XXXXXXXX XXXXXX XXXXXXX XXXXX XXXXXXXXXXXX XX XXXXX XXXXXXXXXXXXXX XXXXXXXX XXXXXXXXXX XXXXXXXX XXX XXXXXXXXXXXXXXX</li> <li>• XXXXXXXX XXXXXX XXXXXXXXXXXX XXXXXXX XX XXXXXXXXXXXXXXXX</li> </ul>	
<p>XXXXXXXXXX X XXXXXXXXXXXXX XXX XXXXXXXX XXXXXXXXXXXX XXX XXXX XXXXXXXXXXXXX X XXXXXXXX XX XXXXXXXXXX XXXXX XXXX XX XXXXXX</p>	<ul style="list-style-type: none"> <li>• XXXXXXXX XXXXXX XXXXXXXXXX XXX XXX XXXXXXXXXXXXX X XXXXXXXX XX XXXXXXXXXX XXXXX XXXX XX XXXXXX</li> </ul>	<ul style="list-style-type: none"> <li>• XXX XXXX XXXXX XXXXX XXXXXXXXXX XXXXX XXXXXXXX XXXXXXXXXXXXX XXX XXX XXX XXXXXXXXXX XXXX of hazardous XXXXXX from generation, XXXXXXXX XXXXXXXXXX XXXXXXXXXXXXXXXX XX XXXXXX XXXXXXXX</li> </ul>	<ul style="list-style-type: none"> <li>• XXX XXXXXXXXXXXXX XXX XXXXXXXXXXX XXXX XX XXXXXXXXXXXXX XXXXXX XXXXXXXXXXX XXXXXXXXXXXXX X XXXXX XXX XXXXXXXXXXX XXXXXXXXXXXXX X XXXX XXXXXXXXXXXXX X XXXXXXXXXX XXXX XX XXXXXXXXXXXX XXXXX XXXXXX XX XXXXXXXXXXX</li> </ul>
<p>XXXXXXXXXX X XXXXXXXXXXXXX XXX XXXXXXXX XXXXXXXXXXXX XXX XXXXXX</p>	<ul style="list-style-type: none"> <li>• XXXXXXXX XXXXXXXXXXX XXXXX XXXXXXX XX XXXXXXXXXXX XXXXXX XX XXXXXXXX XXX XXXXXXXXXXX XX XXXXXXXX XXXXXX XXXXX XX XXXXXXXX XXXXXXX XXX XXXX responsively with XXXXXXXX XXX city- level XXXXXXXXXXXXXXX</li> </ul>		<ul style="list-style-type: none"> <li>• XXXXXXXXXXX XXX XXXXXXXX XX XXXXXX XX XXXXXXXXXXX XXXXX XX XXXXXXXXXXX XXXXXXXX XXXXXXXXXX XXX XXXXXXXX XX XXXXXXXXXXX XXXXX XX XXXX XXX XXXXXXXX XXXXXX XX XXXXXXXXXXX XX assessment standards for hazardous XXXXX</li> </ul>

Source:CCM

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## 2.3.2 Production safety

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Table 2.3.2-1 Safety risk considerations in chemical parks of Jiangsu, Shandong and Zhejiang provinces, as of 2021

Province /Region	Safety XXXX
XXXXXXXX	XXX XXXXXX XXXX XXXXX XX XXX XXXX XXXX XXXXX X XX XX XX XX XXXXX XXXXX XX XXXXX X XXXXXXXXXXX XXXXXX XXXXX XX X XXXX XXXXXX XXXXX XX XXX XXX XX 2022, the XXXXXXXX XXXXXXXX XXXXXXXXXXXX XXXX XX cancelled.
XXXXXXXX	XX XXXXXXXXXXXX XXX XXXX XXXX XXXXXX XXXX XXXXX X XXXXX XXX XXXXX XX XXXXXX XXXXXXXXXXX XXXXXXXXXXX XXXXXXXXXXXXXXX XXXXXXXXXXX XXX XXXXX XXXX XXXXXX XXXX XXXXX XX XXX XXX XXXXXXXX XXXXXXXXXXXXXXX XXXXXXXX XX XXXXXXXXXXX XXXXXXXXXXX XXX restricted.
XXXXXXXX	XX XXX XXXXXXXX XXXXXX XXXX XXXXXXXXXXXX XX XXX XXXX XXXXX XX XXXXXX XXX XXXXXXXX XXXXXX XX XXXXXXXX 2. XXX XXXX XXXXXX XXXX XXXXXX XXX XXXXXXXXXXXXXXX XXXXXXXXXXX XXXXXXXX 3. XXX XXXXXX XXXX XXXXX XX XXX XXXX XXXX XX X XX XX 4. XXXXX XX XX XXXXX XX XXXXX XXXXXXXXXXXX XXXXXX XXXXXXXX XX XXX XXXX XXXXX XXXXXX XXXXXXXXXXX XXXXXXXX XX XXXXX XX XXXXX XXXXXXXXXXXXXXX XXXXXXXXXXX XXXX XXXX XXXXX XX XXX XXXX XXXXX XXXXX XXX XX XXXXXXXXXXX XXXXXXXX XXXXXXXXXXX XXXXXXXXXXX XXXXXXXX

Source:CCM

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## 3.1 Overview

Since the end of XXXX, production enterprises in China's pesticide industry have actively responded to national industrial planning policies and accelerated the industry relocation. Therefore, in the Plan, XX key chemical parks are identified for the development of pesticide production in XXXX–XXXX. Among them, XX are located in East China, X in the Northeastern, and X in the Northwestern.

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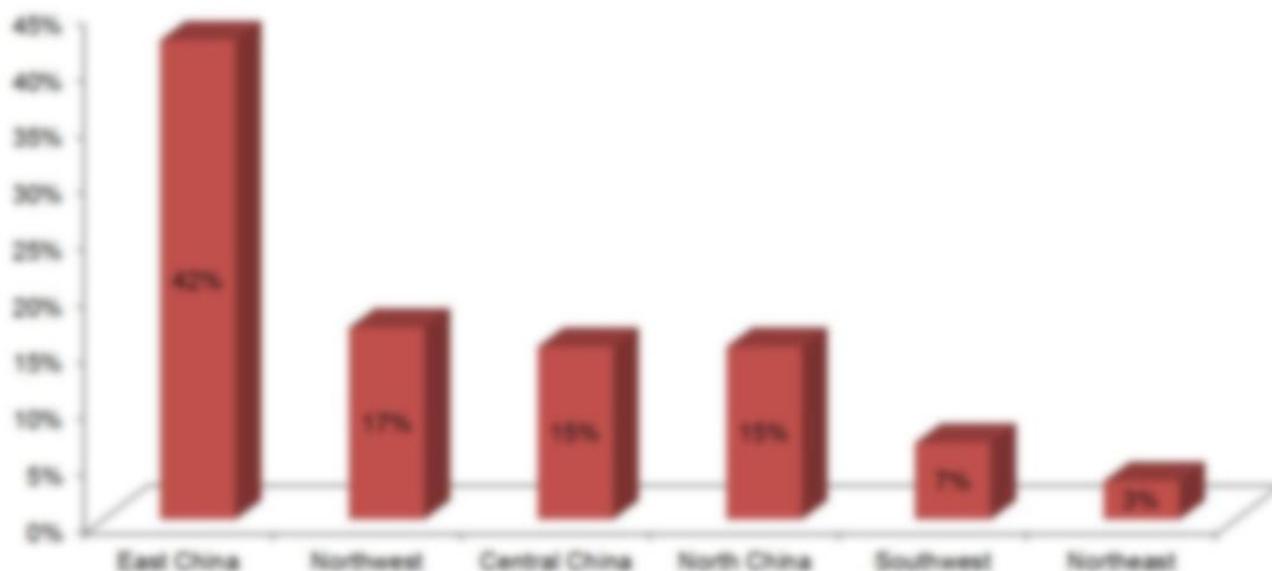
## 3.2 Projects of China's designated industrial parks, Q1–Q3 2022

CCM's primary research ending QX XXXX shows there are XX (planning, constructing and operational) projects in China's designated chemical parks—XX (=XX% of the total) are located in East China (including

provinces like Shandong, Jiangsu, Zhejiang, Jiangxi and Anhui), XX in West China (XX in Northwestern (=XX% of the total) and X in Southwestern (=X% of the total)), X each (=XX% of the total) in Central China and North China. Those set in Southwest (Sichuan Province) and North China (Hubei Province and Inner Mongolia Autonomous Region) are of higher scale.

Of the total, XX projects are related to pesticide technical and/or the intermediates and are still at the planning phase or under construction, totalling capacity of around XXX,XXX t/a. These new pesticide projects or expansion projects are generally invested by enterprises from the traditional pesticide production provinces in eastern coastal region which are with solid industrial background and developed production structure and technology. XX (planning, constructing and operational) projects are placed in the XX key chemical parks, X of which are in eastern provinces.

Figure 3.2-1 Proportion of 59 projects in China by geographic regions, Q1–Q3 2022



Source:CCM

Table 3.2-1 Product capacity of 59 projects in Q1–Q3 2022, t/a

Region	Province X Autonomous Region	Pesticide intermediates	Pesticide technical &its intermediates	Pesticide technical	Pesticide technical XXX formulations	Pesticide formulations	Pesticide technical &formulations XXX their intermediates	XXXXX
XXXXXX XXX	XXXXXXX XXX XXXXXX	XXXXXXX	X	XXXXX	X	X	XXXXXX	XXXXXXX
XXXXXX XXXXX	XXXXXX XXXXXXXXXX XXX XXXXX	XXXXXXX	XXXXXXX	X	XXXXXXX	XXXXXXX	XXXXXXX	XXXXXXX
XXXX XXXXXX	XXXXXXX XXXXXXXXXX XXXXXXXXXX XXXX XXXXXXXXXX	XXXXXXX	XXXXXXX	XXXXXXX	XXXXXXX	XXXXXXX	X	XXXXXXX
XXXXXXX X XXXXX	XXXXXXX XXXXXX XXX XXXXXXXXXXXX XXXXXXXXXXXX XXX	XXXXXXX	XXXXXXX	XXXXXX	XXXXXX	XXXXXXX	X	XXXXXXX
XXXXXXX XXX	XXXXXXXXXX	X	XXXXXXX	XXXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXXX
XXXXXXX XXX	XXXXXX XXX XXXXXXXXXX	X	XXXXXX	XXXXXX	X	X	X	XXXXXX
XXXXXX		XXXXXXX	XXXXXXX	XXXXXXX	XXXXXXX	XXXXXXX	XXXXXXX	XXXXXXXXXX X

Source:CCM

### 3.3 Popular pesticide products

Based on the disclosed projects of pesticide enterprises in China in QX–QX, XX technical products are underscored, including glufosinate-ammonium, diquat, clethodim and prothioconazole, etc.

Apart from the trending products, Guang'an Bimeida Biotechnology Co., Ltd., a subsidiary of Sichuan Hebang Biotechnology Co., Ltd., is drafting the EIA for the construction of a XXX,XXX t/a PMIDA production line in Guang'an Xinqiao Industry Park of Sichuan Province, aiming to enhance its glyphosate TC production scale for business at home and aboard.

Table 3.3-1 Popular pesticide products and the capacities in 59 projects in Q1–Q3 2022

No.	Category	Name of pesticide	Capacity, t/a
X	XXXXXXXXXX	XXXXXXXXXXXXXXXXXXXXXX	XXXXXX
X	XXXXXXXXXX	XXXXXX	XXXXXX
X	XXXXXXXXXX	XXXXXXXXXX	XXXXXX
X	XXXXXXXXXX	XXXXXX XXXXXXXXXXXXX	XXXXXX
X	XXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX	XXXXXX
X	XXXXXXXXXX	XXXXXXXXXXXXXXXXXXXXXX	XXXXXX
X	XXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX	XXXXXX
X	XXXXXXXXXX	XXXXXXXXXXXXXXXXXXXXXX	XXXXXX
X	XXXXXXXXXX	XXXXXX	XXXXXX
XX	XXXXXXXXXX	XXXXXXXXXX	XXXXXX
XX	XXXXXXXXXX	XXXXXXXXXX	XXXXXX
XX	XXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX	XXXXXX
XX	XXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX	XXXXXX
XX	XXXXXXXXXX	XXXXXXXXXXXXXXXXXXXXXX	XXXXXX
XX	XXXXXXXXXX	XXXXXXXXXXXXXXXXXXXXXX XXXX	XXXXXX
XX	XXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX	XXXXXX
XX	XXXXXXXXXX	XXXXXXXXXXXXXXXXXXXXXX	XXXXXX
XX	XXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX	XXXXXX
XX	XXXXXXXXXX	XXXXXXXXXXXXXXXXXXXXXX	XXXXXX

XX	XXXXXXXXXX	XXXXXXXXXXXX	XXXXXX
XX	XXXXXXXXXX	XXXXXXXXXXXX	XXXXXX
XX	XXXXXXXXXX	XXXXXXXXXXXX	XXXXXX
XX	XXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX	XXXXXX
XX	XXXXXXXXXX	XXXXXXXXXXXX	XXXXXX
XX	XXXXXXXXXXXX	XXXXXXXXXXXX	XXXXXX
XX	XXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX	XXXXXX
XX	XXXXXXXXXXXX	XXXXXXXXXXXX	XXXXXX
XX	XXXXXXXXXX	XXXXXXXXXXXX	XXXXXX

Source:CCM

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