

Survey of Metolachlor in China 2023

The Tenth Edition

October 2023

Researched & Prepared by:

Kcomber Inc.

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1. Introduction

This report presents an overview of China's supply and demand of metolachlor which is a selective herbicide, as well as forecast on the future trends.

Metolachlor is featured by broad weeding spectrum, high effectiveness and wide applications. During 2018–June 2023, the capacity and output saw some volatility. It is noteworthy that the pressure from environmental protection has been heavy in China in recent years. As a result, some metolachlor producers had to suspend production from time to time.

What's the detailed development situation of the industry? What are the driving factors and barriers? How will the industry go in the future years? This report will illustrate the details for readers through the following aspects:

- Product registration under the Institute for Control of Agrochemicals, Ministry of Agriculture and Rural Affairs, as of Aug. 2023
- Production situation (capacity, output and key producers), 2018–June 2023
- Prices of metolachlor technical by month and year, 2018–June 2023
- Export analysis, 2018–June 2023
- Domestic consumption, 2018–June 2023
- Forecast on supply and demand, 2023–2028

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2. Approach for this report

This report is drafted by diverse methods as follows:

(X) Desk research

The sources of desk research are various, including published journals, government statistics, industrial statistics, Customs statistics, as well as information from the Internet. Obtained information has been compiled and analysed. When necessary, checks will be made with Chinese metolachlor suppliers regarding market information such as key producers, production and price trend, etc.

(X) Telephone interview

Extensive telephone interviews have been carried out in order to grasp the actual market situation of metolachlor in China.

Interviewees cover:

- Producers
- Traders

(X) Internet search

CCM contacted the players in this industry through BXB websites and software.

Data processing and presentation

The data collected and compiled were sourced from:

- a. Published articles from periodicals, magazines and journals
- b. Statistics from local governments and international institutes
- c. Telephone interviews with domestic suppliers, traders and industrial experts
- d. Third-party data providers
- e. Information from the Internet

Data obtained 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 made in order to analyse the data and have conclusions drawn.

Abbreviation & full name

Source:CCM

Unit

- Tonne: equals to metric ton in this report
- /t: per tonne
- t/a: tonne/annual, tonne per year
- USD: US dollar, currency unit in the US
- RMB: currency unit in China, also named yuan

Source: The People's Bank of China

3. Executive summary

Metolachlor is a selective herbicide with a broad weeding spectrum, high effectiveness and wide application fields. According to statistics from the Institute for the Control of Agrochemicals, Ministry of Agriculture and Rural Affairs of the People's Republic of China (ICAMA), as of Aug. XXXX, a total of XXX valid registrations of metolachlor have been licensed in China, including XX for technical, XX for single formulations and XX for mixed formulations.

The metolachlor capacity decreased from XX,XXX t/a in XXXX to XX,XXX t/a in XXXX, and then increased slightly to XX,XXX t/a in XXXX-HX XXXX. The output of metolachlor technical declined overall from XX,XXX tonnes in XXXX to X,XXX tonnes in XXXX, while it bounced back to XX,XXX tonnes in XXXX, mainly due to the increasing demand from abroad. In HX XXXX, the output of metolachlor technical was X,XXX tonnes.

Metolachlor products made in China are export-oriented. The export volume of metolachlor (calculated by XXX% technical) increased from about XX,XXX tonnes in XXXX to about XX,XXX tonnes in XXXX. Though some increase was witnessed in XXXX, the export volume was still at a low level compared with that in XXXX. In XXXX, the export volume of metolachlor decreased from XX,XXX tonnes to XX,XXX tonnes, a year-on-year decrease of X.XX%. In HX XXXX, the export volume of metolachlor was X,XXX tonnes.

Regarding metolachlor price in China, in XXXX-XXXX, the annual average ex-works price of XX% metolachlor technical continued to decline. The annual average ex-works price of XX% metolachlor technical decreased from USDX,XXX.XX/t in XXXX to USDX,XXX.XX/t in XXXX, which is the lowest point in recent years. In XXXX-XXXX, and then saw a surge to USDX,XXX/t in XXXX. In the first half of XXXX, the annual average ex-works price of XX% metolachlor technical decreased compared to XXXX, from USDX,XXX.XX/t in XXXX to USDXXXX.XX/t in HX XXXX. The reason is that the raw material prices are weak.

In China, metolachlor technical is applied on crops through single formulations of XXXg/L EC and XXXg/L EC and mixtures of the product with bensulfuron-methyl, atrazine and mefenacet. And metolachlor is mainly applied to corn, vegetables, soybean and some other cash crops in China. In XXXX, the consumption volume of metolachlor technical in China decreased for the first time since XXXX, dropping by X.XX% year on year to X,XXX tonnes. In the first half of XXXX, the consumption of metolachlor accounted for approximately XX% or more of the entire year. This is because the first half of the year is the peak season for herbicide consumption, and crops such as cotton have already been sown in the first half of the year. The consumption which applied on corn, vegetables and soybeans was relatively high, accounting for

over XX% of the total consumption in China.

Because of draconian environmental inspection at home and increasing production costs, the supply of metolachlor technical in China has been relatively tight in XXXX. For the supply side, in the first half of XXXX, the output of metolachlor technical was lower than that of the same period, and it is expected that the output in XXXX will be lower than that in XXXX. However, due to the growth of foreign and domestic demand, it is expected that the output of metolachlor technical will increase slightly from XXXX to XXXX. However, after the newly built S-metolachlor starts production, it is expected that the the output of metolachlor technical will decrease in XXXX-XXXX. For the demand side, it's estimated that consumption of metolachlor technical in China will enjoy a slight increase in XXXX-XXXX with more metolachlor being applied on crops as a substitute for acetochlor. But domestic demand for metolachlor technical may decrease in XXXX-XXXX.

4. What is in the report?

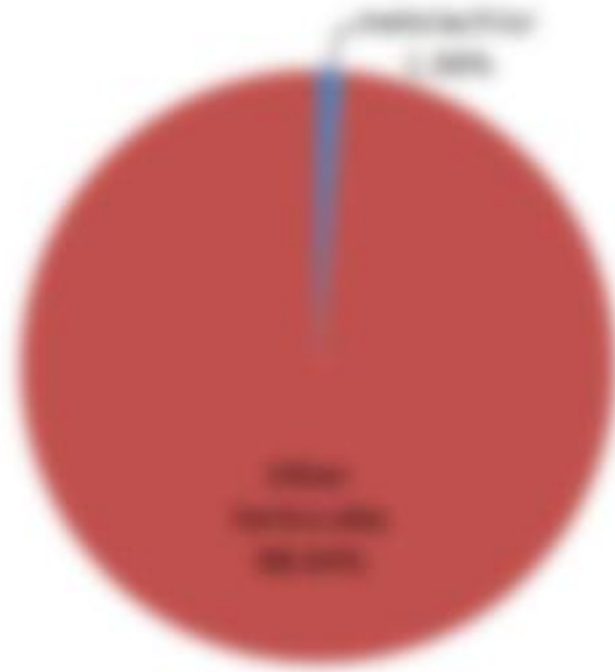
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1.1 Position of metolachlor in China's herbicide industry

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Figure 1.1-1 Output share of metolachlor in herbicide industry in China, 2022



Source: NBS and CCM

1.2 Brief introduction to pesticide industry in China

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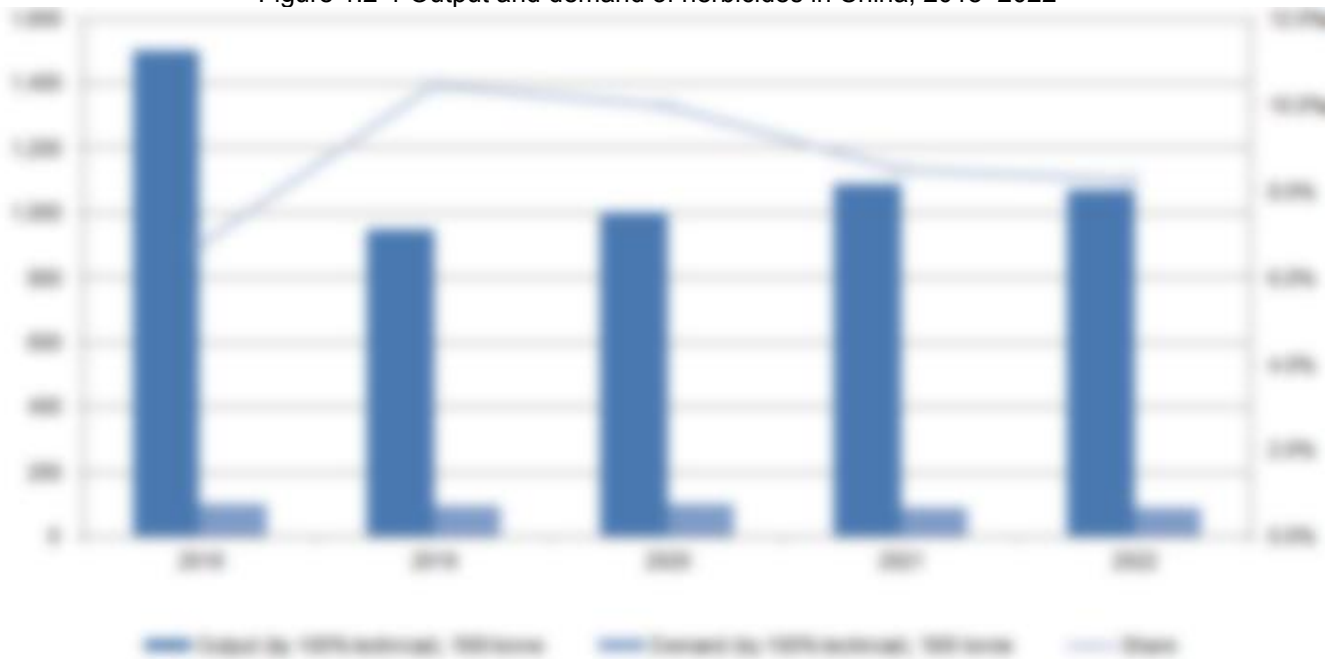
China is now the world's largest exporter of pesticides, and herbicide is an important pesticide category. In recent years, amid rising labor costs as well as the pursuit of higher efficiency and cost-effectiveness, herbicides have been widely used in agricultural production. However, the abuse of herbicides can easily lead to the deterioration of the ecological environment and soil fertility. Therefore, in recent years, multiple environmental policies have been introduced, and the overall output of herbicides in China is relatively low compared to before XXXX. In terms of output, in XXXX, the output of herbicides significantly decreased, mainly due to the impact of the Xiangshui explosion accident that caused many manufacturers to stop production that year. From XXXX to XXXX, the output of herbicide rebounded slightly. But in XXXX, the output of herbicides began to decline again. In terms of share, compared to XXXX, the share increased significantly in XXXX, mainly due to the significant decrease in herbicide output, while the demand for

herbicides was relatively stable. From XXXX to XXXX, the share decreased from XX.XX% to X.XX%.

In terms of export, in XXXX China exported X,XXX,XXX tonnes of pesticides (converted to XXX% technical; the same hereinafter), up by X.XX% year on year. The export volume of herbicides in XXXX stood at XXX,XXX tonnes, up by X.XX% year on year; and it accounted for more than XX% of total pesticide exports, a share nearly X percentage points higher than that in XXXX. The total value of herbicide exports rocketed by some XX% year on year to USDX.X billion. From the perspective of the proportion of herbicide export volume and export value, from XXXX to XXXX, the proportion of export volume was greater than the proportion of export value. However, in XXXX, the proportion of export value was higher than the export volume, and the proportion of export value has continuously increased in the past three years, indicating a trend of herbicide products from low added value to high added value.

With the structural adjustment of the pesticide industry and the development of products with higher added value and efficacy, the structure of pesticide output in China has improved. China's output proportion of herbicides showed a general downtrend in XXXX–XXXX. In XXXX, the proportion of herbicides was around XX.XX%, which means that herbicide still predominates in pesticides produced in China.

Figure 1.2-1 Output and demand of herbicides in China, 2018–2022



Note: Share=Demand/Output

Source: The National Bureau of Statistics of China (NBS) and CCM

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Table 1.2-1 China's exports of pesticides and herbicides, 2018–2022

Year	Herbicides		Pesticides		Share of herbicides/pesticides	
	XXXXXX XXXXXX XXXXX	XXXXXX XXXXXX XXXXXX XXX	XXXXXX XXXXXX XXXXX	XXXXXX XXXXXX XXXXXXXX XXX	XXXXXX XXXXXX	XXXXXX XXXXX
XXXX	XXXXXXXX	XXXXXX	XXXXXXXXXX	XXXXXX	XXXXXX	XXXXXX
XXXX	XXXXXXXX	XXXXXX	XXXXXXXX	XXXXXX	XXXXXX	XXXXXX
XXXX	XXXXXXXX	XXXXXX	XXXXXXXX	XXXXXX	XXXXXX	XXXXXX
XXXX	XXXXXXXX	XXXXXX	XXXXXXXX	XXXXXX	XXXXXX	XXXXXX
XXXX	XXXXXXXX	XXXXXX	XXXXXXXXXX	XXXXXX	XXXXXX	XXXXXX

Note: Export volume of pesticides and herbicides is calculated by 100% technical.

Source: The National Bureau of Statistics of China (NBS) and CCM

2 Registration of metolachlor in China

As of XX Aug., XXXX, a total of XX metolachlor technical have been registered, with the highest registration being XX with a technical content of XX%. XXX formulations containing the active ingredient of metolachlor have been registered, including XX single formulations and XX mixed formulations. Regardless of whether it is a single formulations or mixed formulations, the most registered emulsion formulations were XX and XX, respectively. Among the mixed formulations, the suspension emulsion is the second most common form, with XX.

The registered holder of PDXXXXXXXX has changed from Lianyungang Liben Crop Technology Co., Ltd. to its subsidiary Inner Mongolia Lingsheng Crop Technology Co., Ltd. The registered holder of PDXXXXXXXX has changed from Anhui Zhongshan Chemical Co., Ltd. to Inner Mongolia Zhonggao Chemical Co., Ltd., both of which are subsidiaries of Zhejiang Zhongshan Chemical Industry Group Co., Ltd.

Table 2-1 Valid registrations of metolachlor technical in China, as of 29 Aug. 2023

No.	Registrant	Registration No.	Content	Expiry date
X	XXXXXXXX XXXXXXXXXXX XXXXXX XXXXXXXX XXXX XXXX	XXXXXXXXXX	XXX	XXXXXXXXXX

X	XXXXXXXXXX XXXXXXXXXXX XXXXXXXXXXX XXXXXXXXXXXX XXXX XXXX	XXXXXXXXXXXX	XXX	XXXXXXXXXXXX
X	XXXXXXXXXXXX XXXXX XXXXXXXXXXXXXXX XXXX XXXX	XXXXXXXXXXXX	XXX	XXXXXXXXXXXX
X	XXXXX XXXXXXX XXXX XXXXXXXXXXX XXX XXXXXXXXXXXX XXXX XXXX	XXXXXXXXXXXX	XXX	XXXXXXXXXXXX
X	XXXXX XXXXXXX XXXXXXXXXXX XXXX XXXXXXXXXXXX XXXX XXXX	XXXXXXXXXXXX	XXX	XXXXXXXXXXXX
X	XXXXXXXX XXXXXXX XXXXXXX XXXXXXXX XXXX XXXX	XXXXXXXXXXXX	XXX	XXXXXXXXXXXX
X	XXXXXXXX XXXXXXXXXXX XXXXXXXXXXXXXXX XXXX XXXX	XXXXXXXXXXXX	XXX	XXXXXXXXXXXX
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XX	XXXXXXXX XXXXXXXXXXX XXXXXXXXXXXXXXX XXX XXXXXXXXXXX XXXX XXXX	XXXXXXXXXXXX	XXX	XXXXXXXXXXXX
XX	XXXXXXXX XXXXXXXXXXX XXXXXXXXXXXXXXX XXXXXXXXXXXX XXXX XXXX	XXXXXXXXXXXX	XXX	XXXXXXXXXXXX
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XX	XXXXXXXX XXXXXXX XXXXXXXXXXX XXXX XXXX	XXXXXXXXXXXX	XXX	XXXXXXXXXXXX
XX	XXXXXXXX XXXXXXX XXXXXXXXXXX XXXX XXXX	XXXXXXXXXXXX	XXX	XXXXXXXXXXXX
XX	XXXXX XXXXXXX XXXX XXXXX XXXX XXXXXXXX XXXX XXXX	XXXXXXXXXXXX	XXX	XXXXXXXXXXXX
XX	XXXXX XXXXXXX XXXXXXX XXXXXXXXXXXX XXXX XXXX	XXXXXXXXXXXX	XXX	XXXXXXXXXXXX
XX	XXXXXXXX XXXXXXX XXXXXXXXXXX XXXX XXXX	XXXXXXXXXXXX	XXX	XXXXXXXXXXXX
XX	XXXXXXXX XXXXXXXXXXX XXXX XXXX	XXXXXXXXXXXX	XXX	XXXXXXXXXXXX

Note: "Xiangshui Zhongshan Bioscience Co., Ltd." refers to "Xiangshui Zhongshan Biological Technology Co., Ltd." in previous issues.

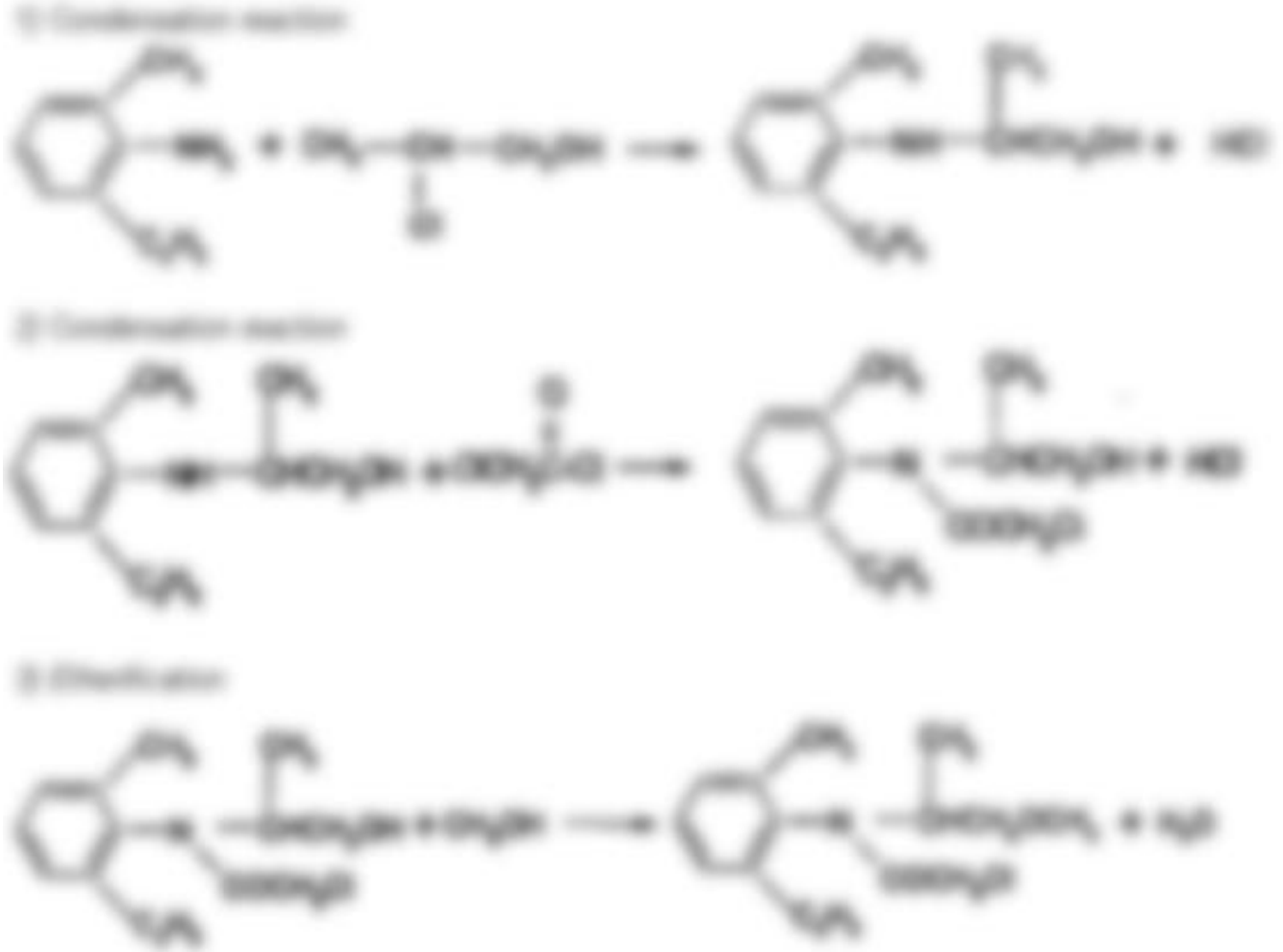
Source: Institute for the Control of Agrochemicals, Ministry of Agriculture and Rural Affairs (ICAMA)

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3.1 Production technology

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Figure 3.1-1 2-Chlorine propanol route for producing metolachlor technical



Source: *Herbicide Volume, Corpus of Global Pesticides*

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4.1 Prices of metolachlor technical, 2018–June 2023

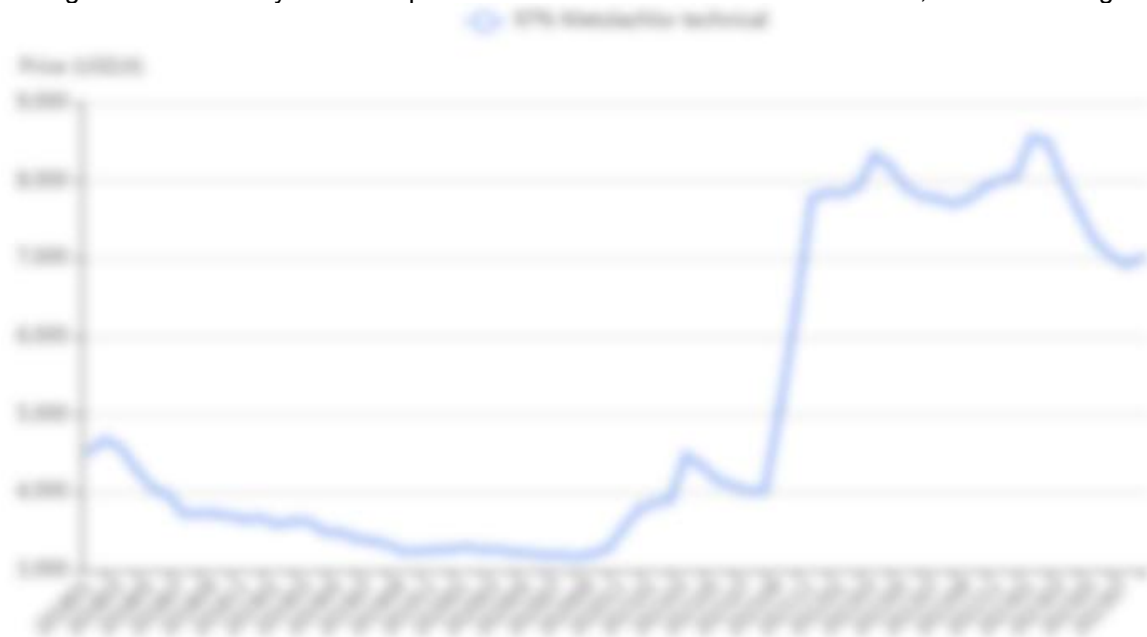
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Figure 4.1-1 Annual ex-works price of 97% metolachlor technical in China, 2018–H1 2023



Source:CCM

Figure 4.1-2 Monthly ex-works price of 97% metolachlor technical in China, Jan. 2018–Aug. 2023

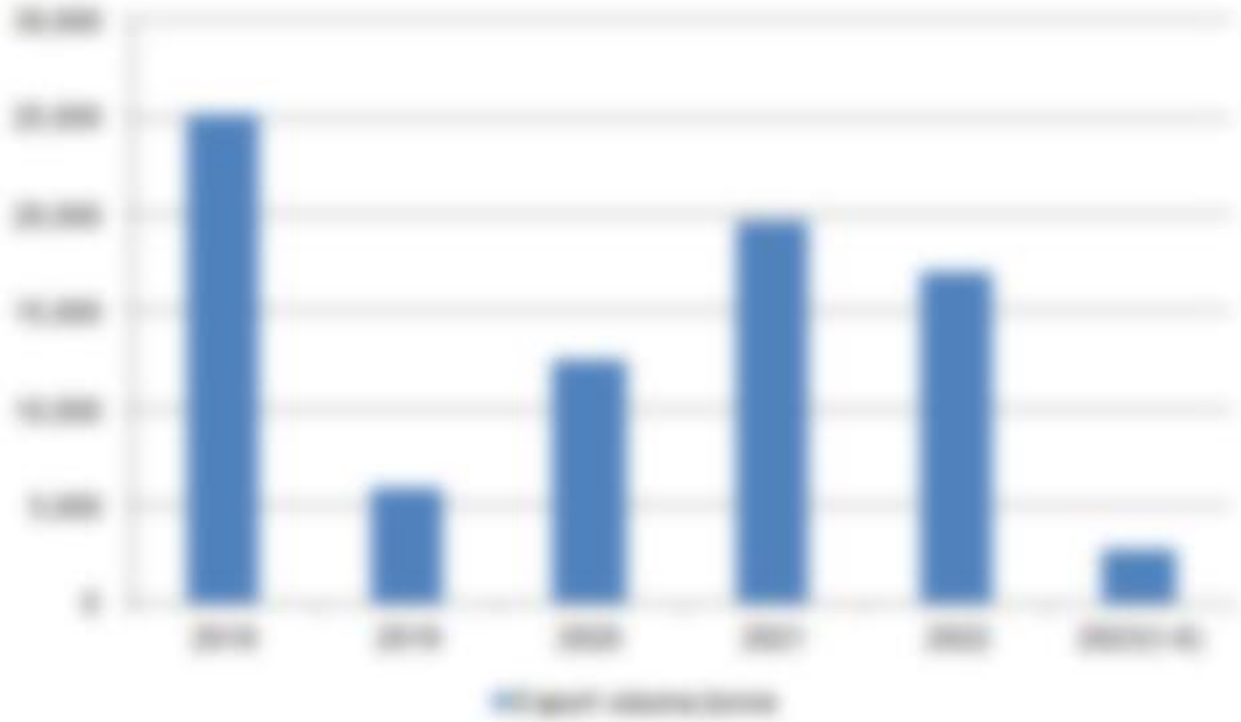


Source:CCM

4.2 Exports of metolachlor, 2018–June 2023

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Figure 4.2-1 Export volume of metolachlor in China, 2018–Jun. 2023



*Note: Export volume of metolachlor is calculated by 100% technical.
Source: China Customs & CCM*

...

Table 4.2-1 China's exports of metolachlor by month, 2022

Mon th	480g/L EC		720g/L EC		960g/L EC		93% Tech.		95% Tech.		96% Tech.		97% Tech.		98% Tech.	
	XXX XXXX XX XXXX X	XXX XXX XXX XXX	XXX XXX XX XXX X	XXX XXX XXX XXX	XXX XXX XX XXX X	XXX XXX XXX XXX	XXX XXX XX XXX X	XXX XXX XX XXX X	XXX XXX XX XXX X	XXX XXX XX XXX X	XXX XXX XX XXX X	XXX XXX XX XXX X	XXXXX XXXX XXXX XXXX	XXX XXX XXX XXX	XXXXX XXXX XXXX XXXX	XXX XXX XXX XXX
X	XXXX X	X	XXXX X	X	XXXX XX	XXX X	XXXX X	X	XXXX XXX	XXX X	XXXX X	X	XXXXXX X	XXX X	XXXXX XX	XXX X
X	XXXX X	XXX X	XXXX X	X	XXXX X	X	XXXX X	X	XXXX X	X	XXXX XX	XXX X	XXXXXX X	XXX X	XXXXX XX	XXX X
X	XXXX X	X	XXXX X	X	XXXX X	XXX XX	XXXX XXX	XXX X	XXXX X	X	XXXX XX	XXX X	XXXXXX X	XXX X	XXXXX X	XXX X
X	XXXX X	X	XXXX X	XXX XX	XXXX X	XXX XX	XXXX XXX	XXX X	XXXX X	X	XXXX X	X	XXXXXX X	XXX X	XXXXX	X
X	XXXX X	X	XXXX X	X	XXXX XX	XXX X	XXXX XX	XXX X	XXXX X	X	XXXX X	X	XXXXXX X	XXX X	XXXXX	X
X	XXXX X	X	XXXX X	X	XXXX XX	XXX XX	XXXX X	X	XXXX X	X	XXXX XX	XXX XX	XXXXXX XXX	XXX X	XXXXX	X
X	XXXX X	X	XXXX XX	XXX XX	XXXX X	XXX X	XXXX X	X	XXXX X	X	XXXX X	X	XXXXXX XXX	XXX X	XXXXX XX	XXX X
X	XXXX X	X	XXXX XX	XXX XX	XXXX X	XXX XX	XXXX X	X	XXXX X	X	XXXX X	X	XXXXXX XXX	XXX X	XXXXX	X
X	XXXX X	X	XXXX X	X	XXXX XX	XXX X	XXXX X	X	XXXX X	X	XXXX X	X	XXXXXX XXX	XXX X	XXXXX XX	XXX X
XX	XXXX X	X	XXXX X	X	XXXX XX	XXX X	XXXX X	X	XXXX X	X	XXXX X	X	XXXXXX X	XXX X	XXXXX XX	XXX X
XX	XXXX X	X	XXXX X	X	XXXX XXX	XXX X	XXXX X	X	XXXX XX	XXX X	XXXX X	X	XXXXXX X	XXX XX	XXXXX	X
XX	XXXX X	X	XXXX X	X	XXXX XXX	XXX X	XXXX X	X	XXXX X	X	XXXX X	X	XXXXXX X	XXX X	XXXXX	X
XX XXX	XXX XX	X	XXX XXX	X	XXX XXXX	X	XXX XXXX	X	XXX XXXX	X	XXX XXX	X	XXXXX XXXXX	X	XXXX XXXXX	X



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Source:China Customs and CCM

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Table 4.2-2 China's export volume of metolachlor by destination, 2022, tonne

No.	Destination	480g/L EC	720g/L EC	960g/L EC	93% Tech.	95% Tech.	96% Tech.	97% Tech.	98% Tech.	XXXXX
X	XXXXXXXX XXXXXXXX	XXXXX	XXXXX	XXXXXXXX	XXXXXXXX	XXXXX	XXXXX	XXXXXXXXXX	XXXXXXXX	XXXXXXXXXX X
X	XXXXXXXX XX	XXXXX	XXXXX	XXXXX	XXXXX	XXXXXXXX	XXXXX	XXXXXXXXXX	XXXXXXXX	XXXXXXXXXX
X	XXXXXXXX X	XXXXX	XXXXX	XXXXXX	XXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX
X	XXXXXX	XXXXX	XXXXX	XXXXXX	XXXXX	XXXXX	XXXXX	XXXXX	XXXXXX	XXXXXX
X	XXXXXXXX X	XXXXX	XXXXX	XXXXX	XXXXX	XXXXX	XXXXX	XXXXXX	XXXXX	XXXXXX
X	XXXXXX	XXXXX	XXXXX	XXXXXX	XXXXX	XXXXX	XXXXX	XXXXXX	XXXXX	XXXXXX
X	XXXXX	XXXXX	XXXXXX	XXXXX	XXXXX	XXXXX	XXXXX	XXXXX	XXXXX	XXXXXX
X	XXXXXX	XXXXX	XXXXX	XXXXXX	XXXXX	XXXXX	XXXXX	XXXXX	XXXXX	XXXXXX
X	XXXXXXXX X	XXXXX	XXXXX	XXXXXX	XXXXX	XXXXX	XXXXX	XXXXXX	XXXXX	XXXXXX
XX	XXXXX	XXXXX	XXXXX	XXXXX	XXXXX	XXXXX	XXXXXX	XXXXX	XXXXX	XXXXXX
XX	XXXXX	XXXXX	XXXXX	XXXXXX	XXXXX	XXXXX	XXXXX	XXXXX	XXXXX	XXXXXX
XX	XXXXXX	XXXXX	XXXXX	XXXXX	XXXXX	XXXXX	XXXXX	XXXXX	XXXXX	XXXXX
XX	XXXXXX	XXXXX	XXXXX	XXXXX	XXXXX	XXXXX	XXXXX	XXXXX	XXXXX	XXXXX
XXXXX		XXXX X	XXXXX X	XXXXXX X	XXXXXX X	XXXXXX X	XXXXX X	XXXXXXXX XX	XXXXXX XX	XXXXXX XX

Source:China Customs and CCM

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Table 4.2-3 China's export volume of metolachlor by destination, 2017, tonne

No.	Destination	720g/L	960g/L EC	95%	96%	97%	XXXXX
-----	-------------	--------	-----------	-----	-----	-----	-------

		EC		Technical	Technical	Technical	
X	XXX XX	XXXXX	XXXXX	XXXXX	XXXXXXXXXX	XXXXXXXXXX	XXXXXXXXXX
X	XXXXXXXXXX	XXXXX	XXXXX	XXXXX	XXXXXXXXXX	XXXXXXX	XXXXXXXXXX
X	XXXXX XXXXXX	XXXXXX	XXXXXXXX	XXXXX	XXXXXXX	XXXXXXX	XXXXXXXXXX
X	XXXXXX	XXXXX	XXXXX	XXXXX	XXXXXX	XXXXXXXXXX	XXXXXXXXXX
X	XXXXXXX	XXXXXXXX	XXXXXXXX	XXXXX	XXXXXX	XXXXXXX	XXXXXXXXXX
X	XXXXXXX	XXXXXX	XXXXX	XXXXX	XXXXXXX	XXXXXX	XXXXXXX
X	XXXXXXXXXX	XXXXX	XXXXX	XXXXX	XXXXXXX	XXXXXXXX	XXXXXXX
X	XXXXXX	XXXXX	XXXXXXXX	XXXXX	XXXXX	XXXXX	XXXXXXX
X	XXXXXXX	XXXXXX	XXXXXXXX	XXXXX	XXXXX	XXXXX	XXXXXXX
XX	XXXXXXXXXX	XXXXXX	XXXXXX	XXXXX	XXXXXX	XXXXXX	XXXXXXX
XX	XXXXX XXXXX	XXXXX	XXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXXX
XX	XXXXXXXXXX	XXXXX	XXXXXX	XXXXX	XXXXX	XXXXX	XXXXXXX
XX	XXXXX	XXXXXX	XXXXX	XXXXX	XXXXX	XXXXX	XXXXXXX
XX	XXXXXX	XXXXXX	XXXXX	XXXXX	XXXXX	XXXXX	XXXXXXX
XX	XXXXXXXXXX	XXXXXX	XXXXXX	XXXXX	XXXXX	XXXXX	XXXXXXX
XX	XXXXX	XXXXXX	XXXXXX	XXXXX	XXXXX	XXXXX	XXXXXXX
XX	XXXXXXXXXX	XXXXXX	XXXXXX	XXXXX	XXXXX	XXXXX	XXXXXXX
XX	XXXXXX	XXXXXX	XXXXXX	XXXXX	XXXXX	XXXXX	XXXXXXX
XX	XXXXXXXXXX	XXXXXX	XXXXXX	XXXXX	XXXXX	XXXXX	XXXXXXX
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	XXXXXX	XXXXXX	XXXXXX	XXXXX	XXXXXX	XXXXXX	XXXXXXX
	XXXXX	XXXXXXX	XXXXXXXXXX	XXXXXX	XXXXXXXXXX	XXXXXXXXXX	XXXXXXXXXX

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Source:China Customs and CCM

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Table 4.2-4 China's export volume of metolachlor by exporter, 2020, tonne

No.	Exporter	720g/L EC	960g/L EC	95% XXXXXXXXXX	96% XXXXXXXXXX	97% XXXXXXXXXX	XXXXX
X	XXXXXXXXXX XXXXXXXXXX XXXX XXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXXXXXX	XXXXXXXXXX
X	XXXXXXXXXX XXXXXXXXXX XXXXXXXXXX XXXX XXXX	XXXXXX	XXXXXX	XXXXXXXXXX	XXXXXX	XXXXXX	XXXXXXXXXX
X	XXXXXXXXXX XXXXXXXXXX XXXXXXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXXXXXX	XXXXXX
X	XXXXXX XXXXXXXXXX XXXXXXXXXX XXXX XXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX
X	XXXXXXXXXX XXXXXXXXXX XXXX XXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXXXXXX	XXXXXX
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X	XXXXXXXXXX XXXXXXXXXX XXXXXXXXXX XXXX XXXX	XXXXXXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX

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XX	XXXXXXX XXXXXXXX XXXX XXXXXXXXXX XXXX XXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX
XX	XXXXXXX XXXXXXXXXX XXXX XXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX
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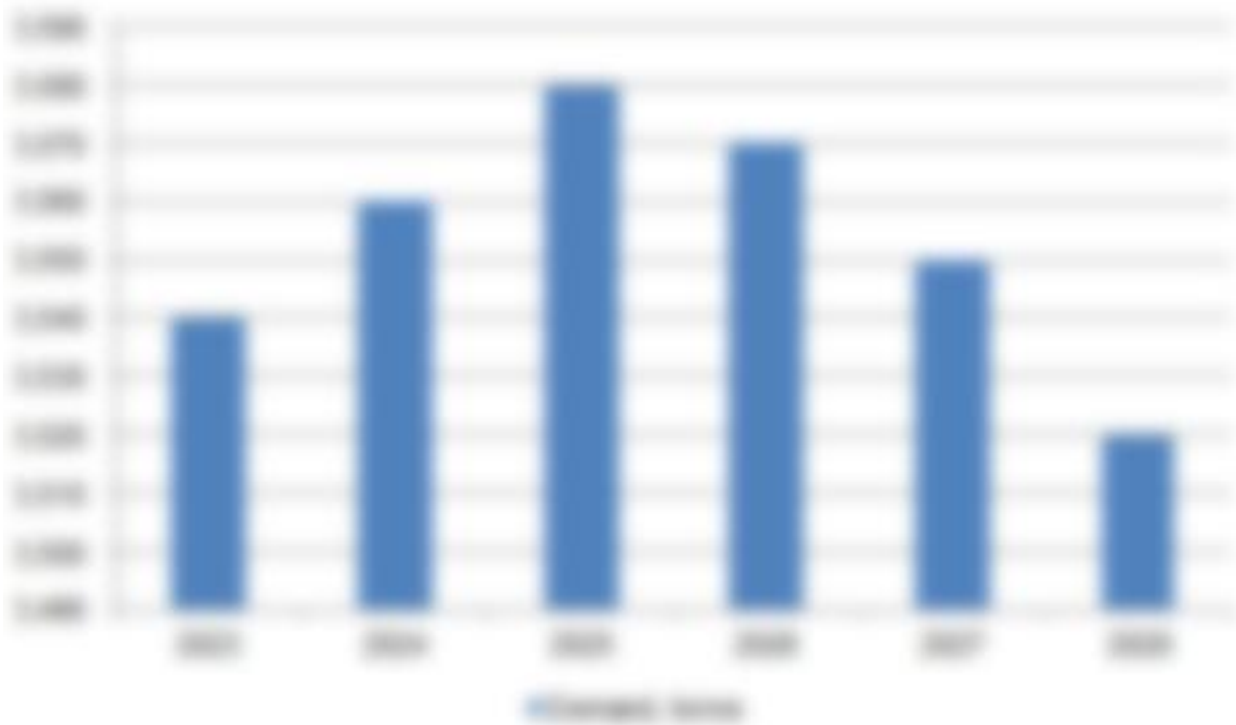
Source:China Customs & CCM

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6 Forecast on supply and demand, 2023–2028

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Figure 6-1 Forecast on demand for metolachlor technical in China, 2023–2028, tonne



Source:CCM

If you want more information, please feel free to contact us

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