

Production and Export of Clethodim in China 2024

The Eighth Edition

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Researched & Prepared by:

Kcomber Inc.

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1. Introduction

Production and Export of Clethodim in China is CCM's report on production situation of clethodim industry in China finished in July 2024. This intelligent report attaches importance to following parts:

- Registration of clethodim (including technical and formulations) in China;
- Production (capacity & output) and producers of clethodim in China, 2019–H1 2024;
- Export of clethodim in China by volume and price, 2019–Q1 2024.

2. Approach for this report

Production and Export of Clethodim in China is CCM's report on production situation of clethodim industry in China finished in July XXXX. This intelligent report attaches importance to following parts:

- Registration of clethodim (including technical and formulations) in China;
- Production (capacity & output) and producers of clethodim in China, XXXX–HX XXXX;
- Export of clethodim in China by volume and price, XXXX–QX XXXX.

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.

- Abbreviation

- CAGR: Compound annual growth rate
- TC: Technical material
- TK: Technical concentrate
- ME: Micro emulsion
- EC: Emulsifiable concentrate

- OD: Oil dispersion

- Unit

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

Source: The People's Bank of China

3. Executive summary

As of XX July, XXXX, there were XXX valid registrations of clethodim from XXX companies in China, including XX for TC, XX for TK, XXX for single formulations and XX for mixed formulations.

In HX XXXX, there were XX clethodim technical producers in China and X of them were active. The capacity increased from XX,XXX t/a in XXXX to XX,XXX t/a in XXXX, with a CAGR of XX.XX%; meanwhile, the output reached XX,XXX tones in HX XXXX and XX,XXX tonnes in XXXX, improving from that in XXXX (XX,XXX tonnes).

With unstable growing demand, the total export volume (converted into XXX% AI) of clethodim technical and formulations in China went through ups and downs in XXXX–QX XXXX. China's exports of clethodim reached XX,XXX tonnes in XXXX, but experienced a significant decline in QX XXXX, which amounted to just X.XX% of the XXXX total.

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 Registration of clethodim in China

As of XX July, XXXX, there are XXX valid registrations of clethodim from XXX companies in China, according to the Institute for the Control of Agrochemicals, Ministry of Agriculture and Rural Affairs (ICAMA). Among them, XXX are for single formulations, XX for mixed formulations, XX for TC, plus XX for TK (with one for export only). Generally, clethodim formulations are applied to fields of soybean, rapeseed, tobacco, potato, mung bean and red bean against gramineous weeds.

As for the types of clethodim formulations, only three (EC, OD and ME) have been registered. Among the registrations of clethodim's single formulations in China, XXX are for EC and only X for OD. In terms of mixed formulations, XX registrations are for OD, X for EC and X for ME.

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2.2 Producer

In HX XXXX, there were XX clethodim technical producers in China, X of which were active.

Hebei Lansheng Biotech Co., Ltd.

On X Jan., XXXX, Hebei Lansheng Biotech Co., Ltd. (Hebei Lansheng)'s X,XXX t/a clethodim technical project completed construction and entered operation. In July XXXX, environmental impact (EI) report of Hebei Lansheng's XX,XXX t/a high-efficacy and low-toxic pesticides expansion project was approved by local government, including the expansion of clethodim TC capacity from X,XXX t/a to XX,XXX t/a. On X Aug., XXXX, the environmental protection acceptance monitoring report of Hebei Lansheng's XX,XXX t/a XX% clethodim technical production line expansion project was publicised.

Shandong Cynda Chemical Co., Ltd.

Since the operation of its wholly-owned subsidiary Liaoning Cynda Chemical Co., Ltd.'s new clethodim technical production lines (X,XXX t/a) in HX XXXX, Shandong Cynda Chemical Co., Ltd. (Shandong Cynda) has become the largest clethodim producer in China, with a total capacity of XX,XXX t/a clethodim technical.

Ningxia Gerui Biotechnology Co., Ltd.

On X June, XXXX, Ningxia Gerui Biotechnology Co., Ltd. (Ningxia Gerui), the wholly-owned subsidiary of Shandong Weifang Rainbow Chemical Co., Ltd., passed the completion acceptance for XXX t/a clethodim technical. In Aug. XXXX, the environmental protection acceptance monitoring report of Ningxia Gerui's X,XXX t/a clethodim technological upgrading project was released.

Hebei Wuqiao Pesticide Co., Ltd.

Hebei Wuqiao Pesticide Co., Ltd. transferred XX% TC qualification to its subsidiary, Wuwei Lianshuo Biotechnology Co., Ltd. which now has X,XXX t/a clethodim technical capacity in operation since April XXXX.

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3.1 Export situation

With unstable growing demand, the total export volume (converted into XXX% AI) of clethodim technical and formulations in China went through ups and downs. From XXXX to XXXX, China saw a X.XX% drop in clethodim exports, while exports in QX XXXX amounted to only XXX tonnes, representing just X.XX% of the XXXX total, which was XX,XXX tonnes.

In QX XXXX, XX% TC constituted XX.XX% of the total clethodim technical exports, while XXX g/L EC formulation accounted for XX.XX% of the total export volume for formulations. In XXXX, XX% TK and XX% TC accounted for XX.XX% and XX.XX% of the total clethodim technical exports respectively, while XXX g/L EC dominated the formulation exports, comprising XX.XX% of the total.

In QX XXXX, China's top five clethodim export destinations by volume were Argentina, the US, Kazakhstan, Paraguay, and Canada, totalling XX.XX% of the exports. In XXXX, clethodim exports reached at least XX countries and regions, with Argentina, Brazil, the US, Paraguay, and India comprising the top five destinations, accounting for XX.XX% of China's total clethodim export volume.

In QX XXXX, Jiangsu Yunfan Chemical Co., Ltd., Ningbo Tide Import and Export Co., Ltd., and Cac Shanghai International Trading Co., Ltd. were the top three exporters by volume. In XXXX, among XXX companies involved in China's clethodim export business, the top exporters by volume were Jiangsu Yunfan Chemical Co., Ltd., Shandong Weifang Rainbow Chemical Co., Ltd., Zhejiang Hengdian Import and Export Co., Ltd., Shandong Rainbow Agrosiences Co., Ltd., and Liaoning Cynda Chemical Co., Ltd.

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5 Conclusion and opportunity

Clethodim has developed rapidly in the world, pushing up the development of China's clethodim industry in the last five years. In XXXX–XXXX, the output of clethodim in China grew at an annual average growth rate of XX.XX%. As of July XXXX, XXX enterprises have obtained the production certifications of clethodim products (including technical and formulations). Among them, XX TC manufacturers have been actively engaged in the production and construction of new capacity. It is forecasted that there will be a fiercer competition.

Clethodim has the advantages of high effectiveness, low residue and relatively lower price. Owing to the higher requirements on environmental protection at home and abroad in recent years, clethodim, as an effective and environment-friendly herbicide, gradually replaced some herbicide varieties with high residue and heavy toxicity, witnessing a rapid increase in sales.

The applicable crops of clethodim have further increased. Currently, clethodim is mainly applied to soybean fields. At the same time, its use continues to expand to broad-leaved crops such as rape, sugar beet, sunflower, cotton, vegetables, and non-arable land. In particular, in raising rape, sugar beet and sunflower, clethodim has been playing an important role.

Compared with other selective post-emergence herbicides such as fluazifop-P-butyl, haloxyfop-P-methyl, quizalofop-P-ethyl, and other competing products in soybean application, clethodim is superior in costs of production and application. What's more, there is a great potential for glyphosate and clethodim mixed formulations in glyphosate-tolerant crops. These also open up a good market prospect for clethodim, which

is one of the reasons for the rapid development of clethodim in recent years.

Regarding clethodim's raw material supply, Xinjiang Xingfa Chemical Co., Ltd.'s X,XXX t/a ethyl mercaptan project was publicised on XX May, XXXX, with the planned product ethyl mercaptan being an important intermediate for the production of clethodim. On the same day, Ningxia Tianrun Chemical Co., Ltd.'s XX,XXX t/a fine chemicals technological upgrading project was announced, which proposed to build XX,XXX t/a propionyl chloride, another intermediate for clethodim. In June XXXX, EI report of Jilin Pingji Industry and Trade Co., Ltd.'s X,XXX t/a pesticide intermediates phase I project was approved, which involved building capacity for X,XXX t/a (X-Trans-Chloroallyl) oxyamine and XXX t/a of X-Ethylpyridine-X,X-dicarboxylic acid diethyl ester, which can also be used as intermediates for clethodim.

These new intermediate capacities may ease the continuous tight supply of raw materials for clethodim and benefit Chinese clethodim manufacturers in terms of cost and supply efficiency, given most of the current use of ethyl mercaptan in the country is imported.

6 Contact information of major producers in China

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

Tel: +86-20-37616606 Fax: +86-20-37616968

Email: econtact@cnchemicals.com