CCM Data & Business Intelligence

Production and Market of Picoxystrobin in China

The Second Edition

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Contents

LIST OF TABLES

LIST OF FIGURES

1. Introduction

Patent of picoxystrobin expired in China in 2008 and new pesticide protection period for picoxystrobin expired in June 2018. In Nov. 2018, according to the desk research, more than 20 companies were reported to be involved in the picoxystrobin market in China. However, very few Chinese enterprises produce picoxystrobin technical. But there is seven enterprises issued environmental impact assessment reports to plan to start production lines of picoxystrobin technical with a potential capacity of more than 2,000 t/a in total. So, China's picoxystrobin market is expected to see bright prospects in the future.

Production and Market of Picoxystrobin in China is CCM's second edition report on China's picoxystrobin industry. This intelligent report attaches importance to the following parts:

· Production summary of picoxystrobin (capacity, output and major producers) in 2018
· Consumption summary of picoxystrobin by crops & regions in China, 2018
· Detailed study of picoxystrobin's upstream industry (supply, producers, price, etc.)
· Price and export of picoxystrobin technical in China as of Nov. 2018
· Forecast on China's picoxystrobin industry, 2019–2023
· Key factors influencing the development of picoxystrobin in China

2. Approach for this report

The report is based on data sourced by diverse methods, as follows:

-Desk research

Desk research includes access to published magazines, journals, government statistics, industry statistics, customs statistics, association seminars as well as information on the Internet. Much work has gone into the compilation and analysis of the information obtained. Where necessary, information has been checked with Chinese phytol participants regarding intelligence related to market structure and performance characteristics as key producers, key end users, production levels, end user demand and so on.

-Field Survey

CCM has conducted an extensive field survey using telephone interviews in order to survey the market for picoxystrobin in China.

The interviewees included the following groups:

- Key producers
- Key end users
- Key traders
- Material suppliers
- Associations involved
- Industry experts

-Network research

CCM employs a network to contact industry participants by using B2B websites and software. CCM also obtains registration information via the network.

-Data processing and presentation

The data collected and compiled were variously sourced from:

• CCM's database
• Published articles from periodicals, magazines, journals and third-party databases
• Statistics from governments and international institutes
• Telephone interviews with domestic producers, joint ventures, service suppliers and government agencies
• Third-party data providers
• Customs statistics
• Comments from industrial experts
• Professional databases
• Information from the Internet

The data has been combined and cross-checked to ensure that this report is as accurate and methodologically sound as possible. Throughout the process, a series of discussions were held within CCM to systematically analyse the data and draw appropriate conclusions.

- Unit

RMB: the unit of currency in China; also called Yuan
USD: currency unit in the US
T: tonne, equaling a metric ton in this report
kg/a: kilogram/annum or kilogram/year
/kg: per kilogram

3. Executive summary

Patent of picoxystrobin expired in China in 2008 and new pesticide protection period for picoxystrobin expired in June 2018. However, very few Chinese enterprises produce picoxystrobin technical, a new type of fungicide, owing to the high production cost and immature production technology.

- Production

There were only two active picoxystrobin technical producers and seven potential picoxystrobin technical producers in China in 2018. The capacity is XXX t/a in 2018. But the output was only about XXX tonnes in Jan.–Nov. 2018. As of 12 Dec., 2018, production lines of picoxystrobin technical with a potential capacity of XXX t/a in total were planned to be built.

- Consumption

It is estimated that China's apparent consumption of picoxystrobin in 2018 was less than XXX tonnes (calculated by 97% technical). In China, the popular picoxystrobin formulation is 22.5% SC, which is mainly used to avoid and cure diseases of vegetables and fruits, such as *didymella bryoniae* in watermelon, *botrytis cinerea* in tomato and cucumber, *colletotrichum gloeosporioides* in pepper and leaf spot of banana.

- Price

The ex-works price of picoxystrobin has been high due to the immature production technology and high price of raw materials. The ex-works price of picoxystrobin technical was more than USDXXX/t in Jan.–Nov. 2018.

- Forecast

It's forecasted that both the output and demand of picoxystrobin will continue to increase modestly in the next five years. Prospect of picoxystrobin market will be promising mainly due to the gradually mature production technology and wider application range. There will be more new entrants in China's picoxystrobin industry, which will help to low the high price.

4. What's in this report?

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

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1.3 Key picoxystrobin technical producers, 2018

Table 1.3-1 Capacity and output of major picoxystrobin technical producers in China, Jan.–Nov. 2018

No.	Producer	Location	Status	Capacity, t/a	Output, tonne
1	XXX	XXX	XXX	XXX	XXX
2	XXX	XXX	XXX	XXX	XXX

Source: CCM

Table 1.3-2 Potential capacity of picoxystrobin technical in China, as of 12 Dec., 2018

No.	Producer	Potential capacity, t/a	Current stage	Disclosure time
1	XXX	XXX	XXX	XXX
2	XXX	XXX	XXX	XXX
3	XXX	XXX	XXX	XXX
4	XXX	XXX	XXX	XXX
5	XXX	XXX	XXX	XXX
6	XXX	XXX	XXX	XXX
7	XXX	XXX	XXX	XXX

Source: CCM

1.5 Export of picoxystrobin, 2018

Since new pesticide protection period for picoxystrobin has not expired before June 2018, other producers can't export this product formally. Before 2018, no picoxystrobin was exported from China. However, since July 2018, some Chinese exporters started to export picoxystrobin technical. As of Oct. 2018, a total of 5.60 tonnes picoxystrobin technical was exported.

Table 1.5-1 Exports of picoxystrobin technical from China, Jan.–Nov. 2018

Producer	Product	Price, USD/kg	Export volume, kg	100% AI volume, kg
XXX	XXX	XXX	XXX	XXX
XXX	XXX	XXX	XXX	XXX
Total	XXX	XXX	XXX	XXX

Source: China Customs and CCM

1.6 Raw material of picoxystrobin

1.6.1 2-Methyl pyridine

Table 1.6.1-1 Capacity of major 2-methyl pyridine producers in China, 2018

No.	Producer	Abbreviation	Location	Status	Capacity, t/a
1	XXX	XXX	XXX	XXX	XXX
2	XXX	XXX	XXX	XXX	XXX
3	XXX	XXX	XXX	XXX	XXX
4	XXX	XXX	XXX	XXX	XXX
5	XXX	XXX	XXX	XXX	XXX
6	XXX	XXX	XXX	XXX	XXX

Source: CCM

3 Competitiveness landscape

Table 3-1 Porter's Competitiveness Analysis of picoxystrobin industry in China, 2018

No.	Force	Level	Factor
1	Bargaining power of suppliers	XXX	XXX
			XXX
			XXX
2	Bargaining power of customers	XXX	XXX
3	Threat of new entrants	XXX	XXX
4	Threat of substitutes	XXX	XXX
5	Competitive rivalry	XXX	XXX

Note: Michael Porter's Five Forces Model, also known as Porter's Competitiveness Analysis, is generally used for industry analysis and business strategy research.
Source: CCM

4 Forecasts on picoxystrobin

4.1 Key factors for the development of picoxystrobin in China

4.1.5 Competitive products

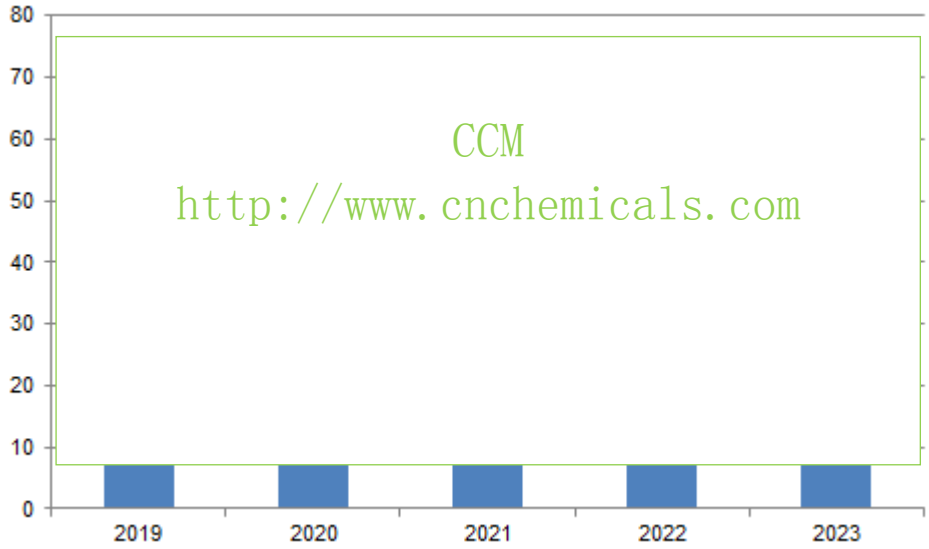
Table 4.1.5-1 Competitive products of picoxystrobin, as of Nov. 2018

Product	Carbendazim technical	Azoxystrobin technical	Dimethomorph technical	Picoxystrobin technical	Trifloxystrobin technical
Fungicide variety	XXX	XXX	XXX	XXX	XXX
Capacity, t/a	XXX	XXX	XXX	XXX	XXX
Price in Nov. 2018, USD/t	XXX	XXX	XXX	XXX	XXX
Crop	XXX	XXX	XXX	XXX	XXX
Feature	XXX	XXX	XXX	XXX	XXX

Source: CCM

4.2 Forecasts on picoxystrobin, 2019–2023

Figure 4.2-1 Forecast on output of picoxystrobin technical in China, 2019–2023, tonne



Source: CCM

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