

# New Registrations of Pesticide Formulation in China in 2023

The Ninth Edition

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**Researched & Prepared by:**

**Kcomber Inc.**

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## 1. Introduction

Analysing the registration data for 2023 and previous years reveals that the composition of registered pesticide products in China has become increasingly well-balanced, with the proportion of low/mild-toxicity products, eco-friendly formulation types, bio-pesticides, minor-crop pesticides on the rise and the standard formulating and revising steadily progressed. The recent enforcement of the updated Regulations of Pesticide Management (herein: the Regulations) has led to further refinements in China's pesticide management framework. As the commitment to green and eco-friendly principles grows stronger, there is a gradual prohibition and restriction of highly toxic pesticides, while the registration, manufacturing, and application of low-risk and biological pesticides have increased. Currently, the Ministry of Agriculture and Rural Affairs of China is seeking feedback on supporting regulations and rules of the Regulations, aiming to steer the pesticide registration management system towards a more scientific, standardised, and legally grounded path. This initiative is expected to boost the innovation capabilities of companies, encouraging the production of an increasing array of environmentally friendly pesticides.

This issue provides an overview of the new registrations of pesticide formulations in China in 2023. It not only outlines the registration status of China's new registrations of pesticide formulations, but also introduces the newly registered formulations under the categories of herbicide, insecticide and fungicide, as well as for the export-only pesticides in detail. The issue also presents those first-registration active ingredients of pesticide formulations in China during the year.

## 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, over XX,XXX pesticide registrations were granted in XXXX, about XX% of which were formulation registrations, including X,XXX formulation registrations newly approved. These new formulation registrations were applied by XXX enterprises, with the top XX registrants accounting for XX.XX% of the total new formulation approvals. The top XX active ingredients of China's newly approved pesticide formulations represented XX.XX% of new registrations.

In XXXX, XXX new registrations for export-only pesticides were granted, XX% of which were in the form of formulations; the newly approved export-only pesticide formulations fell into five categories in China; about XX% of them were applied by enterprises located in East China. In China, the newly registered export-only pesticide formulations can be sorted into XX formulation types, with the low-toxicity ones accounting for XX%.

#### 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 Registration status of China's pesticide formulation, 2023

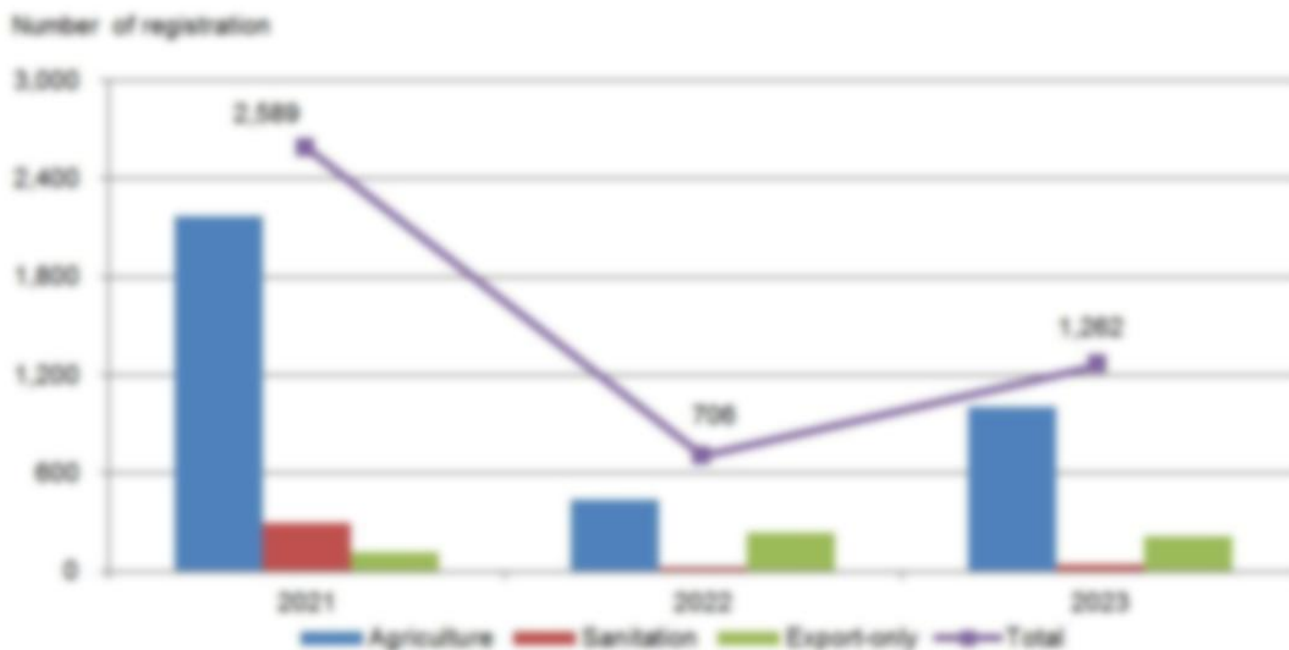
...

Table 1.1-1 New & renewal registrations of pesticide in China, 2023

No.	Registration type	Formulation	Technical	XXXXX
X	XXX	XXXXX	XX	XXXXX
X	XXXXXXX	XXXXXXX	XXXXX	XXXXXX
	XXXXX	XXXXXX	XXXXX	XXXXXX

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

Figure 1.1-1 China's newly added registrations of pesticide by type, 2021–2023



Note: 1. In 2023, 46 registrations of pesticides for agriculture use in China changed into for export only were added.

2. In 2022, 16 registrations of pesticides for agriculture use in China changed into for export only were added.

Source: ICAMA & CCM

...

Table 1.1-2 Formulation type of China's newly approved pesticide formulation, 2021–2023

No.	Formulation type	Code	Number of registration, 2023	Number of registration, 2022	Number of registration, 2021
X	XXXXXXXXXX XXXXXXXXXX	XX	XXX	XXX	XXX
X	XXXXXXX XXXXXXXXXXXX	XX	XXX	XXX	XXX
X	XXXXXXXXXX XXXXXXXXXX	XX	XXX	XX	XXX
X	XXX XXXXXXXXXXXX	XX	XXX	XX	XXX
X	XXXXX XXXXXXXXXXXX XXXXXXX	XX	XX	XX	XXX
X	XXXXXXX	XX	XX	XX	XXX
X	XXXXXXXXXX XXXXXXXXXXXX XXX XXXX XXXXXXXXXX	XX	XX	XX	XXX
X	XXXXXXXXXXXXXXXX	XX	XX	X	XX
X	XXXXXXXXXX XXXXXX	XX	XX	XX	XXX
XX	XXXXXXXXXX XXX XX XXXXXX	XX	XX	X	XX
XX	XXXXXXXXXXXXXXXX	XX	XX	X	X
XX	XXXXX XXXXXXXX XXXXXXX	XX	X	XX	XX
XX	XXXXX XXXXXXXX XXXXXX	XX	X	X	XX
XX	XXXXXXXXXXXXXXXX	XX	X	X	X
XX	XXXXX	XX	X	X	X
XX	XXXXXXX		XX	XX	XXX
XXXXX			XXXXX	XXX	XXXXX

Source: ICAMA & CCM

...



Table 1.1-3 Toxicity of China's newly approved pesticide formulation, 2023

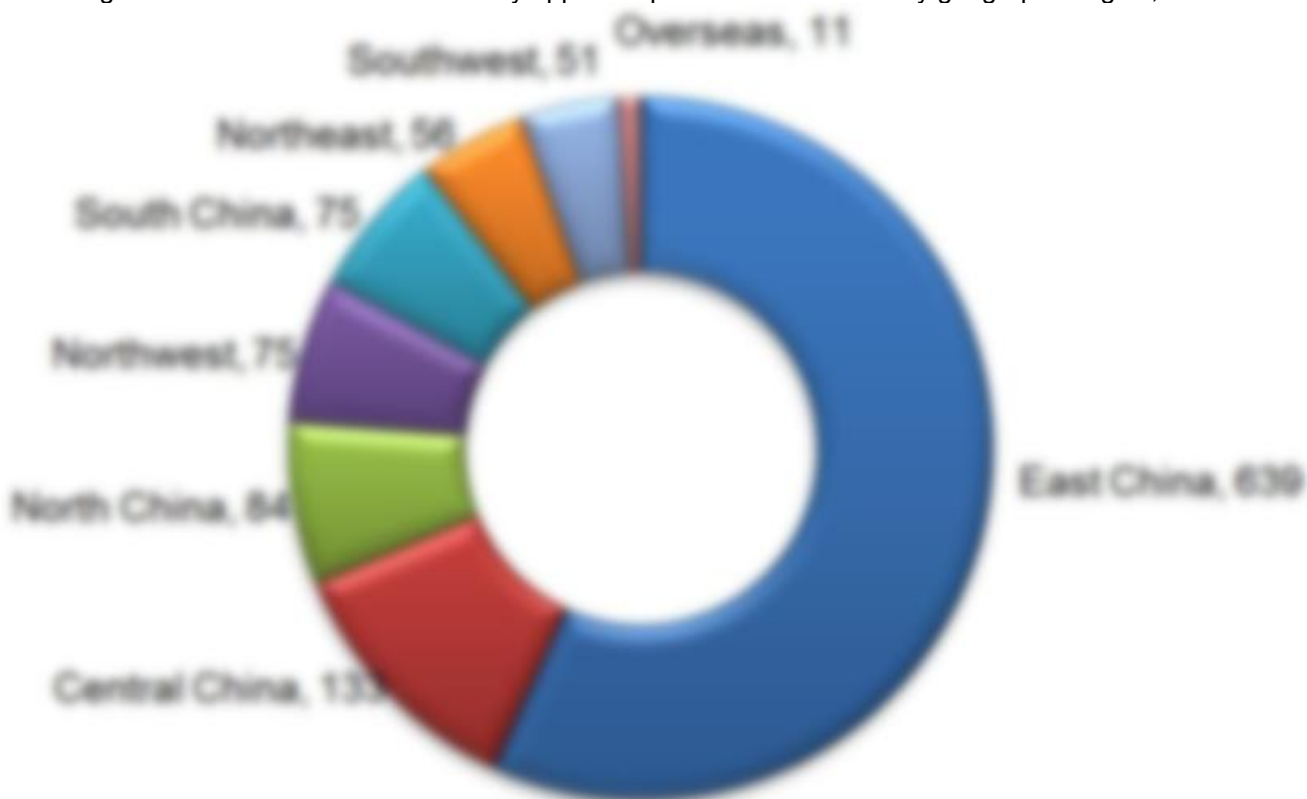
No.	Toxicity	Number of registration
X	XXX	XXX
X	XXXX	XXX
X	XXXXXXXX	XX
X	XXX XXXX XXXXXX XXXXXX	XX
X	XXXXXXXXXX XXXX XXXXXX XXXXXX	X
XXXXX		XXXXX

Source: ICAMA & CCM

### 1.2 Registrants of China's new registration of pesticide formulation, 2023

...

Figure 1.2-1 Number of China's newly approved pesticide formulation by geographic region, 2023



Source: ICAMA & CCM

...

Table 1.2-1 Foreign registrants of newly approved pesticide formulation in China, 2023

No.	Registrant (EN)	Registrant (CN)	Country	Number of registration
X	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXX	XXXXXXXXXX	X
X	XXXXXXXXXXXXXXXXXXXX XXXX XXXX	XXXXXXXXXXXXXXXX	XXXXXX	X
X	XXXXX XXXX XXXX XXXX	XXXXXXXXXXXX	XXXXXXX	X
X	XXX XXXXXXXXXXXXXXXXXXXX XXXXXXXXXXXXXXXX XXX XXXX	XXXXXXXXXXXXXXXX	XXXXXXXXXXXX	X
X	XXXX XX	XXXXXXX	XXXXXXX	X
X	XXXX XXXXXXXX XXXX XXXX	XXXXXXXXXXXX	XXXXX XXXXX	X
X	XXXXXXXXXXXXXXXXXXXX XXXXXXXXXXXX	XXXXXXXXXXXX	XXXXXXX	X
X	XXXXX XXXXXXXXXXXXXXX	XXXXXXXXXXXX	XXXXXX	X
X	XXXXXXXXXX XX	XXXXXXXXXXXXXXXX	XXXXXXXXXXXX	X
XX	XXXXXXXXXX XXXXXXXX XXXX XXXX	XXXXXXXXXXXX	XXXXXX	X
XXXXX				XX

Source: ICAMA & CCM

### 1.3 Active ingredients of China's new registration of pesticide formulation, 2023

...

Table 1.3-1 Top 25 active ingredients of newly approved pesticide formulations in China, 2023

No.	Active ingredient	Category	Number of registration
X	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXX	XX
X	Chlorantraniliprole-Abamectin-aminomethyl	XXXXXXXXXXXX	XX
X	XXXXXXXXXXXX	XXXXXXXXXXXX	XX

X	Clothianidin·Chlorantranilprole	XXXXXXXXXXXX	XX
X	XXXXXXXXXXXX	XXXXXXXXXX	XX
X	XXXXXXXXXXXX	XXXXXXXXXX	XX
X	XXXXXXXXXXXX	XXXXXXXXXX	XX
X	XXXXXXXXXX XXXXXXXX	XXXXXXXXXXXX	XX
X	Clothianidin·Bifenthrin	XXXXXXXXXXXX	XX
XX	Abamectin-aminomethyl·Lufenuron	XXXXXXXXXXXX	XX
XX	Chlorantranilprole·Indoxacarb	XXXXXXXXXXXX	XX
XX	Etoxazole·Bifenazate	XXXXXXXXXX	XX
XX	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXX	X
XX	Chlorantranilprole·Chlorfenapyr	XXXXXXXXXXXX	X
XX	XXXXXXXXXXXX	XXXXXXXXXXXX	X
XX	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXX	X
XX	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXX	X
XX	XXXXXXXXXX	XXXXXXXXXXXX	X
XX	Topramezone·Atrazine	XXXXXXXXXX	X
XX	Pyraclostrobin·Tebuconazole	XXXXXXXXXX	X
XX	Chlorfenapyr·Lufenuron	XXXXXXXXXXXX	X
XX	XXXXXXXXXX	XXXXXXXXXX	X
XX	Fonicamid·Bifenthrin	XXXXXXXXXXXX	X
XX	Chlorantranilprole·Abamectin	XXXXXXXXXXXX	X
XX	XXXXXXXXXXXX	XXXXXXXXXXXX	X
<b>XXXXX</b>			<b>XXX</b>

Source: ICAMA & CCM

...

## 2.4 Active ingredients of herbicide formulation in China

...

Table 2.4-1 Major active ingredients of newly approved herbicide formulation for agriculture use in China, 2023

No.	Active ingredient	Number of registration
X	XXXXXXXXXXXX	XX
X	XXXXXXXXXXXX	XX
X	XXXXXXXXXXXX	XX
X	XXXXXXXXXXXXXXXX	X
X	Topramezone·Atrazine	X
X	XXXXXXXXXX	X
X	Terbuthylazine·Topramezone	X
X	XXXX	X
X	Pretilachlor·Bensulfuron-methyl	X
XX	Metamifop·Cyhalofop-butyl	X
XX	XXXXXXXXXX	X
XX	Others	XXX
	XXXXX	XXX

Source: ICAMA & CCM

...

## 3.3 Main registrants of insecticide formulation in China

...

Table 3.3-1 Main registrants of newly approved insecticide formulation for agriculture use in China, 2023

No.	Registrant	Registrant (CN)	XXXXXXXX	Number of registration
X	XXXXXXXX XXXXXXXX XXXXXXXXXXXXXXXX XXXXX XXXX XXXX	XXXXXXXXXXXXXXXXXX	XXXXXXXX XXXXXXXX	XX
X	XXXXXXXX XXXXXXXX XXXXXXXXXXXXXXXX XXXX XXXX	XXXXXXXXXXXXXXXXXX	XXXXXXXX XXXXXXXX	X
X	XXXXXXXX XXXXXXXX XXXXXXXXXXXXXXXX XXXX XXXX	XXXXXXXXXXXXXXXXXX	XXXXXXXX XXXXXXXX	X
X	XXXXXXXX XXXXXXXX XXXXXXXXXXXXXXXX XXXX XXXX	XXXXXXXXXXXXXXXXXX	XXXXXXXX XXXXXXXX	X
X	XXXXX XXXXXXXX XXXXXXXXXXXXXXXX XXXX XXXX	XXXXXXXXXXXXXXXXXX	XXXXX XXXXXXXX	X
X	XXXXXXXX XXXXXXXX XXXXXXXXXXXXXXXX XXXXXXXXXXXX XXXX XXXX	XXXXXXXXXXXXXXXXXX	XXXXXXXX XXXXXXXX	X
X	XXXXX XXXXXXXXXXXXXXXX XXXXXXXXXXXXXXXX XXXXXXXXXXXX XXXX XXXX	XXXXXXXXXXXXXXXXXX	XXXXX XXXXXXXX	X
X	XXXXXXXX XXXXXXXX XXXXXXXXXXXXXXXX XXXXXXXXXXXX XXXX XXXX	XXXXXXXXXXXXXXXXXX	XXXXXXXX XXXXXXXX	X
X	XXXXXXXX XXXXXXXX XXXXXXXX XXXXXXXXXXXXXXXX XXXX XXXX	XXXXXXXXXXXXXXXXXX	XXXXXXXX XXXXXXXX	X
XX	XXXXXXXX XXXXXXXXXXXXXXXX XXXX XXXXXXXXXXXX XXXX XXXX	XXXXXXXXXXXXXXXXXX	XXXXXXXX XXXXXXXX	X
XX	XXXXX XXXXXXXX XXXXXXXXXXXXXXXX XXXX XXXX	XXXXXXXXXXXXXXXXXX	XXXXX XXXXXXXX	X
XX	XXXXXXXX XXXXXXXXXXXXXXXX XXXXXXXX XXXXXXXXXXXX XXXX XXXX	XXXXXXXXXXXXXXXXXX	XXXXXXXX XXXXXXXX	X
XX	XXXXX XXXXXXXXXXXXXXXX XXXXXXXXXXXXXXXX XXXX XXXX	XXXXXXXXXXXXXXXXXX	XXXXX XXXXXXXX	X
XX	XXXXX XXXXXXX XXX XXXXXXXXXXXXXXXX XXXX XXXX	XXXXXXXXXXXXXXXXXX	XXXXX XXXXXXXX	X
XX	XXXXX XXXXXXX XXXX XXXXXXXXXXXXXXXX XXXXXXXXXXXX XXXX XXXX	XXXXXXXXXXXXXXXXXX	XXXXX XXXXXXXX	X

XX	XXXXXXXX XXXXXX XXXXXXXXXXXXXXXX XXXX XXXX	XXXXXXXXXXXXXX	XXXXXXXX XXXXXXXX	X
XX	XXXXXX			XXX
XXXXX				XXX

Source: ICAMA & CCM

...

#### 4.2 New registrations of fungicide formulation by toxicity

Among China's newly approved fungicide formulations for agricultural use in XXXX, XXX were lowly toxic (including X with highly toxic TC), XX were mildly toxic and X were of moderate toxicity.

...

#### 4.3 Main registrants of fungicide formulation in China

In XXXX, XXX enterprises were holding XXX new registrations of fungicide formulations for agriculture use in China. The top XX registrants accounted for XX.XX% of the total registrations and each obtained X+ permits. Specifically, Shaanxi Hengtian Chemical Co., Ltd., Shaanxi Meibang Pharmaceutical Group Co., Ltd. and Shaanxi Tunpsion Bio-Technology Co., Ltd. topped the list, with five, four and four approvals, respectively.

Table 4.3-1 Main registrants of newly approved fungicide formulation for agriculture use in China, 2023

No.	Registrant	Registrant (CN)	XXXXXXXX	Number of registration
X	XXXXXXXX XXXXXXXX XXXXXXXX XXXX XXXX	XXXXXXXXXXXXXXXX	XXXXXXXX XXXXXXXX	X
X	XXXXXXXX XXXXXXXX XXXXXXXXXXXXXXXX XXXX XXXX XXXX	XXXXXXXXXXXXXXXX	XXXXXXXX XXXXXXXX	X
X	XXXXXXXX XXXXXXXX XXXXXXXXXXXXXXXX XXXX XXXX	XXXXXXXXXXXXXXXX	XXXXXXXX XXXXXXXX	X
X	XXXXX XXXXXXXX XXXX XXXXXXXXXXXX XXXX XXXX	XXXXXXXXXXXXXXXX	XXXXX XXXXXXXX	X
X	XXXXX XXXXXXXX XXXXXXXXXXXX XXXXXXXXXXXX XXXX XXXX	XXXXXXXXXXXXXXXX	XXXXX XXXXXXXX	X
X	XXXXX XXXXXXXXXXXXXXX XXXXXXXXXXXX XXXXXXXX XXXXXXXX XXXX XXXX	XXXXXXXXXXXXXXXX	XXXXX XXXXXXXX	X
X	XXXXXXXX XXXXXXXX XXXXXXXXXXXXXXXX XXXX XXXX	XXXXXXXXXXXX	XXXXXXXX XXXXXXXX	X
X	XXXXXXXXXXXX XXXX XXXXXXXXXXXX XXXXXXXX XXXX XXXX	XXXXXXXXXXXXXXXXXXXX	XXXXX XXXXXXXX	X
X	XXXXXXXX XXXXXXX XXXXXXXXXXXXXXX XXXX XXXX	XXXXXXXXXXXXXXXX	XXXXXXXX XXXXXXXX	X
XX	XXXXXXXX XXXXXXX XXXX XXXXXXXXXXXX XXXX XXXX	XXXXXXXXXXXXXXXX	XXXXXXXX XXXXXXXX	X
XX	XXXXXX			XXX
XXXXX				XXX

Source: ICAMA & CCM

...

### 5.1 Registration status of China's export-only pesticide formulation, 2023

...

Table 5.1-1 Newly granted registration for export-only pesticide technical & formulation in China, 2020–2023

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

Note:1. In 2023, 46 registrations of pesticides for agriculture use in China (16 TC/TK and 30 formulations) changed into for export only were added.

2. In 2022, 16 registrations of pesticides for agriculture use in China (3 TC/TK and 13 formulations) changed into for export only were added.

Source:ICAMA & CCM

## 5.2 New registrations of export-only pesticide formulation by category, 2023

In XXXX, there were XXX new registrations for export-only pesticide formulations under X categories in China, including XX herbicides, XX insecticides, XX fungicides, X acaricides, as well as X acaricide/insecticide and plant growth regulators, respectively.

...

## 5.6 Active ingredients of export-only pesticide formulation, 2023

...



Table 5.6-1 Major active ingredients of China's newly approved export-only formulation, 2023

No.	Active ingredient	Number of registration
X	XXXXXXXXXX XXXXXXXXX	XX
X	XXXXXXXXXXXX	XX
X	XXXXXXXXXXXXXXXXXXXXXX	X
X	XXXXXXXXXX	X
X	XXXXXXXXXXXXXXXXXXXX	X
X	XXXXXX	X
X	XXXXXXXXXXXX	X
X	XXXXXXXXXXXXXXXXXXXX	X
X	XXXXXXX	XX
XXXXX		XXX

Source: ICAMA & CCM

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