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**NATIONAL STANDARD OF THE
PEOPLE'S REPUBLIC OF CHINA**

GB/T 22620-2023

Bifenthrin emulsifiable concentrate

联苯菊酯乳油

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Foreword

This document complies with the provisions of GB/T 1:1-2020 "Standardization Work Guidelines Part 1: Structure and Drafting Rules of Standardization Documents" Drafting: This document replaces GB/T 22620-2008 "Bifenthrin Emulsifiable Concentrate": Compared with GB/T 22620-2008, except for structural adjustments and editing In addition to sexual changes, the main technical changes are as follows:

- Changed the scope (see Chapter 1, Chapter 1 of the:2008 edition);
- Deleted the composition and 10% specification (see 3:1 and Table 1 of the:2008 version);
- Changed the mass fraction and mass concentration of the 25g/L specification and the mass fraction, moisture, and emulsion stability of the 100g/L specification: Low temperature stability (see Table 1, Table 1 of the:2008 edition);
- Added permanent foaming control items and measurement methods (see Table 1, 5:9);
- Added pH value control items after thermal storage (see Table 1);
- Deleted the test date interval requirements for low temperature stability and thermal storage stability (see Table 1 of the:2008 version);
- Added liquid chromatography identification test (see 5:3:1);
- Added liquid chromatography method for determination of bifenthrin mass fraction (see 5:5:1);
- Changed the gas chromatography method for determination of bifenthrin mass fraction (see 5:5:2, 4:3 of the:2008 edition);
- Changed the determination method of moisture, low temperature stability test and thermal storage stability test (see 5:6, 5:10, 5:11,:2008 edition 4:4, 4:7, 4:8);
- Added inspection rules (see Chapter 6);
- Added 500g (mL) net content specification (see 8:1): Please note that some content in this document may be subject to patents: The publisher of this document assumes no

responsibility for identifying patents: This document is proposed by China Petroleum and Chemical Industry Federation: This document is under the jurisdiction of the National Pesticide Standardization Technical Committee (SAC/TC133): This document was drafted by: Nanjing Red Sun Co., Ltd., Guangxi Nongxi Crop Science Co., Ltd., Jiangsu Dongbao Agrichemical Co., Ltd. Company, Jiangsu Chunjiang Runtian Agricultural Chemical Co., Ltd., Zhejiang Shijia Technology Co., Ltd., Shandong Longxi Plant Protection Co., Ltd., Agriculture and Rural Affairs Ministry of Pesticides Laboratory: The main drafters of this document: Wu Jinlong, Jiang Yifei, Xing Ping, Wang Wenzhuo, Lu Rui, Liu Hongbin, Qian Hui, Xu Lijuan, and Wang Shihui: The previous versions of this document and the documents it replaces are as follows:

---First published as GB/T 22620-2008 in:2008;

1 Scope

GB/T 22620-2023 is the Chinese national standard on bifenthrin emulsifiable concentrate, in the field of agriculture. The /T suffix marks it as a recommended standard: it is not compulsory by itself, but it becomes binding as soon as a contract, a tender or a customer specification calls it up - which in practice is how most foreign buyers meet it. It was issued on 27 November 2023 by the State Administration for Market Regulation; Standardization Administration of China, and has been in force since 1 June 2024. Classification: ICS 65.100.10, CCS G25. This page is published from the official record of the standard held by the Chinese standards administration: the identification, the dates, the classification and the issuing body are taken from there. The clause text, the tables and the numeric limits are in the document itself, which is delivered complete in English translation.

This document stipulates the technical requirements, inspection rules, acceptance and quality assurance period of bifenthrin emulsifiable concentrate, as well as the marking, labeling, packaging and storage This paper describes the test method for bifenthrin emulsifiable concentrate: This document applies to the quality control of bifenthrin emulsifiable concentrate products:

Note: See Appendix A for other names, structural formulas and basic physical and chemical parameters of bifenthrin:

2 Normative reference documents

The contents of the following documents constitute essential provisions of this document through normative references in the text: Among them, the dated quotations For undated referenced documents, only the version corresponding to that date applies to this document; for undated referenced documents, the latest version (including all amendments) applies to this document:

GB/T 1600-2021 Pesticide moisture determination method

GB/T 1601 Determination of pH value of pesticides

GB/T 1603 Method for determination of stability of pesticide emulsion

GB/T 1604 Commercial Pesticide Acceptance Rules

GB/T 1605-2001 Sampling methods for commercial pesticides

GB 4838 Pesticide emulsifiable concentrate packaging

GB/T 8170-2008 Numerical rounding rules and representation and determination of limit values

GB/T 19136-2021 Determination method of thermal storage stability of pesticides

GB/T 19137-2003 Method for determination of low-temperature stability of pesticides

GB/T 28137 Determination method of persistent foaming property of pesticides

GB/T 32776-2016 Pesticide density determination method

3 Terms and definitions

There are no terms or definitions to be defined in this document:

4 Technical requirements

1 Appearance Stable homogeneous liquid, no visible suspended solids and sediments: 4:

2 Technical indicators Bifenthrin emulsifiable concentrate should comply with the requirements of Table 1: