



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

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**Fertilizer marking - Presentation and declaration**

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### Foreword

This standard was drafted in accordance with the rules given in GB/T 1.1-2009.

This standard replaces GB 18382-2001 "Fertilizer marking - Presentation and declaration". Compared with GB 18382-2001, the main technical changes are as follows.

- MODIFY the scope (see Chapter 1);
- MODIFY the order of terms and definitions; ADD such terms as bulk blending fertilizers (see 3.7), secondary nutrient (element) fertilizers (see 3.8), micronutrient fertilizers (see 3.9), fertilizer nutrients (see 3.11), organic fertilizers (see 3.10); DELETE such terms as packaged fertilizer, slow-acting fertilizer, coated fertilizer, compound fertilizer, organic-inorganic compound fertilizer, fertilizer grade (see 3.3, 3.6, 3.7, 3.8, 3.10, 3.15, etc., of the 2001 edition);
- MODIFY the basic principles (see Chapter 5), general requirements (see Chapter 6), labeling content and requirements (see Chapter 7), printing of marking (see Chapter 10);

- REFINE the requirements for quality certificates and conformity certificates (see Chapter 9).

This standard was prepared by using the redrafting method, with reference to ISO 7409.2018 "Fertilizers - Marking - Presentation and declarations". The degree of consistency with ISO 7409.2018 is nonequivalent.

This standard was proposed by AND shall be under the jurisdiction of the Ministry of Industry and Information Technology of the People's Republic of China.

This standard replaces the standard previously issued as follows.

- GB 18382-2001.

Fertilizer marking - Presentation and declaration

## 1 Scope

This standard specifies the terms and definitions, principles, basic principles, general requirements, marking content and requirements, labels, quality certifications or certificates, printing of marking, for fertilizer marking.

This standard applies to fertilizers, which are sold in China. It does not apply to products, which are specially made for users by producers in accordance with the contract AND are not circulated in the market.

## 2 Normative references

The following documents are essential to the application of this document. For the dated documents, only the versions with the dates marked are applicable to this document; for the undated documents, only the latest version (including all the amendments) is applicable to this standard.

GB 190 Packing symbol of dangerous goods

GB/T 191 Packaging - Pictorial marking for handling of goods

GB/T 6274-2016 Fertilizers and soil conditioners - Vocabulary

GB/T 18455 Package recycling marking

GB/T 32741-2016 Fertilizers and soil conditioning agents

Measures for the metrological supervision and administration of quantitatively packaged commodities (Order No.75 of 2005 of the General Administration of Quality Supervision, Inspection and Quarantine of the People's Republic of China)

### 3 Terms and definitions

The terms and definitions as defined in GB/T 6274, as well as the following terms and definitions apply to this document.

#### 3.1

##### Fertilizer

The organic, inorganic, microorganisms and their mixtures, which provide, maintain or improve plant nutrition, soil's physical, chemical properties, biological activity; can improve the yield of agricultural products, OR improve the quality of agricultural products; enhance the stress-resistance of plants.

#### 3.2

##### Marking

Various representations, which are used to identify fertilizer products and their quality, quantity, characteristics, properties, methods of use.

#### 3.3

##### Container

A closed receptacle, that directly contacts with fertilizer AND can be transported or stored according to its unit amount.

#### 3.4

##### Label

The printing part and related information of the paper, plastic, packaging bags, containers, etc., which provide necessary data AND accompanied for the purpose of identifying the fertilizer AND understanding its main performance.

#### 3.5

### Straight fertilizer

The nitrogen fertilizer, phosphate fertilizer or potassium fertilizer, wherein the content of only one nutrient of the three nutrients. nitrogen, phosphorus, potassium, is specified.

### 3.6

### Compound fertilizer; complex fertilizer

A fertilizer, which is produced by chemical methods and/or blending methods, wherein the content of at least two nutrients of the three nutrients.

## 4 Principle

Prescribe the main content of the marking AND determine the size, position, text, graphics, etc. of the marking, on the fertilizer packaging container, so that users can identify fertilizers AND determine their characteristics.

**5.1 All contents marked shall comply with the requirements of relevant standards.**

**5.2 All contents marked shall follow the principle of truth, be accurate, scientific, easy to understand.**

**5.3 All content marked shall not describe or introduce fertilizers, in a wrong, deceptive, exaggerated, false or misleading way. If the declaration has a role other than providing nutrients, there shall be sufficient and credible evidence.**

### 6.1 General requirements

All contents marked shall be clear, firm, in obvious contrast to the base, easy to identify.

### 6.2 Text

The texts in the marking shall use standard Chinese characters (nutrient names can be expressed by chemical element symbols or molecular formulas). It may use synonymous minority characters and foreign characters at the same time,