

ICS 65.020.20

B 21



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

**中华人民共和国国家标准**

GB/T 29371.2-2012

---

**Technical rules for seed producing system of two-line hybrid  
rice-Part 2: Technical rules for foundation seed production of  
photo/thermo-sensitive genic male sterile line**

**两系杂交水稻种子生产体系技术规范 第 2 部分：  
不育系原种生产技术规范**

**Issued on December 31, 2012**

**Implemented on July 1, 2013**

---

**Issued by General Administration of Quality Supervision, Inspection and  
Quarantine of the People's Republic of China and Standardization  
Administration of the People's Republic of China**

## Contents

<b>Foreword</b> .....	<b>1</b>
<b>1 Scope</b> .....	<b>2</b>
<b>2 Facilities construction</b> .....	<b>2</b>
<b>3 Provenance of producing the foundation seed</b> .....	<b>6</b>
<b>4 Production of core seed</b> .....	<b>6</b>
<b>5 Foundation seed reproduction</b> .....	<b>10</b>
<b>Annex A (Normative) Setting modes of processing temperature and light of the artificial climate chamber</b> .....	<b>11</b>
<b>Annex B (Normative) Photo/thermo-sensitive genic male sterile line rice foundation seed production pollen microscopy record table</b> .....	<b>12</b>

## Foreword

GB/T 29371 *Technical rules for seed producing system of two-line hybrid rice* consists of five parts are as follows:

- Part 1: Terminology;
- Part 2: Technical rules for foundation seed production of photo/thermo-sensitive genic male sterile line;
- Part 3: Technical rules for seed multiplication of photo/thermo-sensitive genic male sterile line;
- Part 4: Technical rules for F1 seed production;
- Part 5: Technical rules for identification of variety purity & male sterility of MS line.

This is Part 2 of GB/T 29371.

This Part is drafted according to the rules specified in GB/T 1.1-2009

This Part is proposed by Ministry of Agriculture of the People's Republic of China.

This Part is under the jurisdiction of National Technical Committee (SAC/TC 37) on Crop Seed of Standardization Administration of China.

The responsible drafting organizations are Hunan Hybrid Rice Research Center, Hunan Longping Seed Industry Co., Ltd, Hunan Agricultural University, Hunan Seed Administration, Anhui Academy of Agriculture, Jiangsu Academy of Agriculture and Guangdong Academy of Agriculture.

The chief drafting staff of this standard includes Zhou Chengshuo, Liu Aimin, Xiao Cenglin, Ouyang Aihui, Wang Shouhai, Liu Jianbing, Li Wenxiang, Lyu Chuangen, Wang Feng and Liao Cuimeng.

# **Technical rules for seed producing system of two-line hybrid rice-Part 2: Technical rules for foundation seed production of photo/thermo-sensitive genic male sterile line**

## **1 Scope**

This Section of GB/T 29371 defines methods and procedures to produce the high temperature inducing male rice photo/thermo-sensitive genic male sterile line foundation seed in the artificial climate chamber (box) and cold water processing pond.

This Section applies to the high temperature inducing male rice photo/thermo-sensitive genic male sterile line foundation seed production.

## **2 Facilities construction**

### **2.1 Artificial climate box**

#### **2.1.1 The volume of the artificial climate box**

Artificial climate box's interior area is not less than 3m<sup>2</sup> and its height is not lower than 2m.

#### **2.1.2 Parameters settings of light, temperature and humidity of the artificial climate box**

It shall comply with provisions indicated in Table 1 and Table 2.



北京文心雕语翻译有限公司  
Beijing Lancarver Translation Inc.

---

---

---

**完整版本请在线下单/Order Checks Online for Full version**

**联系我们/or Contact:**

TEL: 400-678-1309

QQ: 19315219 | Skype: Lancarver

Email : [info@lancarver.com](mailto:info@lancarver.com)

<http://www.lancarver.com>

---

---

**线下付款方式：**

**I. 对公账户：**

**单位名称：**北京文心雕语翻译有限公司

**开 户 行：**中国工商银行北京学清路支行

**账 号：**0200 1486 0900 0006 131

---

---

**II. 支付宝账户：**[info@lancarver.com](mailto:info@lancarver.com)

**III. Paypal:** [info@lancarver.com](mailto:info@lancarver.com)

---

---

注: 付款成功后，请预留电邮，完整版本将在一个工作日内通过电子 PDF 或 Word 形式发送至您的预留邮箱，如需索取发票，下单成功后的三个工作日内安排开具并寄出，预祝合作愉快！

**NOTE** All documents on the store are in electronic Adobe Acrobat PDF format, there is not sell or ship documents in hard copy. Mail the order and payment information to [info@lancarver.com](mailto:info@lancarver.com), you will shortly receive an e-mail confirming your order.

---



银联特约商户

