Organic Rice is an essential requirement for nutrition and security of human beings. Scientific and accurate application of organic fertilizers can promote the healthy growth of organic rice and ensure the stability, quality and yield of organic rice. After more than 20 years of organic production practice, the application system of soil fertilization and fertilizer application techniques for organic rice production in China has taken shape. But there are some problems. For example, some organic rice farmers do not know what to do with organic fertilization, which has a direct impact on the improvement of the yield and quality of organic rice.
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1.1 Accumulation and Utilization of Farm manure

1.2 Accumulation and Utilization of Rice Straw
1.2 Using the traditional farming rotation and "planting and raising combination" to enhance the Soil Fertilization in the Paddy Field

Primary methods:

① planting green manure
② Add organic fertilizer
③ Rotating wet and dry crops
④ Combination of planting and raising
⑤ Fallow and rotation
Ⅰ、Characteristics of Soil Fertilization and Fertilizer Application in Organic Paddy Field

1.3 Application of Commodity Fertilizer as topdressing Fertilizer
Integrated Application Mode of Scientific Precision fertilization Technology

- Selective fertilizer
- Preparing based on soil condition
- Apply fertilizer
- Supplementary fertilizer
Ⅱ、Integrated Application Mode of Scientific Precision fertilization Technology

2.1 Selecting Fertilizer by Standards
Ⅱ 、Integrated Application Mode of Scientific Precision fertilization Technology

2. 2 Based on soil conditions

① Preparing fertilizer based on soil fertility and target yield

② Methods and amount of fertilizer application vary, according nutrient release properties, the ability to maintain fertilizer and the degree of nutrient loss in different soil textures.

Distribution map of soil fertility and fertilizer benefit monitoring base in China
Ⅱ 、Integrated Application Mode of Scientific Precision fertilization Technology

2.3 Application of farmyard base fertilizer and supplementary fertilizer

First, fully applying base farmyard manure.

And then, supplementary topdressing.
2.4 What nutrients are lacking, what nutrients to supplement?

① Soil conditioner substances
② Microbial fertilizer
③ Cakes
④ Commercial organic fertilizer
⑤ Applicable mineral fertilizer
⑥ Plant source foliar fertilizer