

## 水稻抛秧工厂化育苗设施及其应用

### The Facilities of Factory Seedling-Nursery for Throw-Spreaded Rice Seedlings and Their Uses

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英文关键词: Rice seedlings throwing technique Factory seedling nursing Mechanised operation in rice production Rice seedlings nursed in factory

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中文摘要:

水稻生产采用工厂化设施育苗—抛秧种植是对传统栽培方式的一大改革。它不仅打破了需用秧田育秧和分穴、行距插秧的作业方式,且便于实现育苗作业机械化、工厂化。从广东农机化综合试点—南海市大沥联滘早晚稻试验实践表明:采用工厂化设施育苗、一次成苗直接抛秧种植,不仅省力、省工,而且省田、省种、省成本,是一种新型高产、高效种植方法。

英文摘要:

The factory seedling-nursery for rice seedlings in throw-spreading is a new method in rice cultivation and production. This new method is a large reform of traditional rice production: It is not necessary to use seedling nursing land; it is not necessary to transplant the seedlings into rice field; in spreading seedlings, there is no regular spacing and row s; all seedlings are prepared and nursed in factory and greenhouse. This is a method to promote mechanization for rice seedling, planting and cultivation. In Iianjiao, Dali, Nanhai City of Guangdong Provincial Comprehensive Rice Mechanization Demonstration Center, a set of rice seedlings nursery in factory was built in early 1993. This factory includes: rice seedlings buds accelerating equipment and temperature controlling systems; rice-seed buds spreading line with soil; and greenhouse. Through Spring and Fall season experiments for rice seedlings nursing and field rice production, it was proved that this new method had many advantages not only on saving labor, time, seeds, and costs, but also gave high rice yield and efficiency, and that this method would give a brilliant future in rice cultivation and mechanized production.

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