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生物技术

用现代生物技术改造传统农业

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摘要：

进入21世纪，传统农业面临着农产品供给紧张、食物安全陷入困境、品种品质改良滞后、生态环境恶化、资源匮乏、持续发展后劲不足等方面的严峻挑战，与此同时，现代生物技术正以前所未有的速度渗透到农业、畜牧业、生态环保、资源开发等各个领域，特别是通过基因工程、细胞工程、克隆技术、分子标记、酶和发酵工程等现代高新技术对传统农业的育种、品质改良、病虫草害防治、生物资源开发等方面带来了深刻的变革。

关键词： 生物技术 改造 传统农业

Reform the Traditional Agriculture with the Modern Biotechnology

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Abstract:

Entering 21 centuries, the traditional agriculture faces rigorous challenges including the strain of agricultural product supplies, the food safety sinking into the predicament, underdevelopment of the species quality, the depravation of ecosystem environment, lack of the resources and shortage of long-term development etc. At the same time, the modern biotechnology is seeping through each realms, such as agriculture, livestock husbandry, ecosystem environmental protection and the resources development with the unprecedented speed. So, great innovations took place in breeding , quality improving, prevention and curing the diseases, insects and weeds, the development of biological rend so on, by the modern high-tech including the genetic engineering, cell engineering, gram cologne technique, member marking, enzyme and fermenting, etc.

Keywords: the biotechnology reformation traditional agricuhure

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