

农业创新论坛

我国甜玉米育种研究现状与发展对策

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摘要:

我国自开展甜玉米(sweet corn)育种研究以来,其育种水平取得了较大提升。但是,近年来甜玉米产业的迅猛发展,使甜玉米育种已跟不上生产需求的步伐。在回顾了国内外甜玉米育种研究进展及我国甜玉米品种选育取得的成绩的基础上,探讨了甜玉米类型与选育方法,并指出我国目前面临甜玉米种质资源匮乏、无骨干自交系、缺乏杂种优势群和杂优模式、品种多乱杂、品质差和育种力量薄弱等问题,对进一步引进资源、创新种质、科技协作及借鉴并探索新的育种思路等发展对策进行了探讨。

关键词: 甜玉米; 育种; 种质资源; 技术创新

Research Status and Development Strategy for Sweet Corn Breeding in China

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Abstract:

Great progress has been achieved on sweet corn breeding in China. However, the development of sweet corn breeding still can not catch up with the rapid development of sweet corn industry in recent years. On the basis of reviewing the research progress made in internal and external sweet corn breeding and the achievements of sweet corn breeding in China, this paper discussed about sweet corn types and breeding methods; pointed out the existing problems, such as the shortage of sweet corn germplasm, heterotic groups and heterotic patterns, lack of elite inbreds, poor quality and weak breeding capacity, etc. The paper also discussed about the developing strategy for sweet corn breeding including: germplasm introduction and innovation, scientific and technology cooperation, and borrowing and exploring new breeding ideas, etc.

Keywords: Sweet corn Breeding Germplasm resource Technology innovation

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