

研究论文

# 春玉米密植定额和种植方式研究

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**摘要** 本文综合分析了淮阴地区历年来有关春玉米密植定额和种植方式的试验资料。在密植定额问题上,研究了密度与产量、品种、生产水平间的关系,并从田间小气候、植株生长发育、光能利用、群体与个体关系等方面探索了密植增产的原因;在种植方式问题上,比较了不同生产水平和不同密度下,宽窄行和等行距的效果,并从根系发育、植株性状、田间小气候、光能利用等方面分析了宽窄行减产的原因。

关键词

分类号

## STUDIES ON THE PLANTING RATE AND THE SPACING OF CORN CROPPING UNDER SPRING SOWING

J.C.Sheu, P.S.Hwang, &, J.M.Sheen

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**Abstract** In 1952 to 1962 and 1958 to 1962, 15 experiments on the planting rate and the spacing of corn were made in Hwaiyin region together with the investigation for corn production under large area. All experiments were conducted under spring sowing. Based on the data, obtained the main results are summarized as follows: 1. It has been found that the relationship between the planting rate (x) and the grain yield of corn population (y) may be expressed by:  $y = a + bx + cx^2$ . In the above equation, a, b and c are constants and a and b are...

### Key words

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