

研究论文

## 马铃薯套玉米及玉米间大豆种植系统间套优势研究

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**摘要** 1974~1983年在云南省玉米主产区宣威县的不同农业生态环境条件下,研究了马铃薯套玉米及玉米间大豆间套优势的适用价值以及构成间套优势的机理。试验表明玉米与马铃薯、大豆间套在旱地作物种植系统中很有应用价值。从粮食产量与经济纯收入分析,条带马铃薯套玉米的效益高;从劳动生产率与能量再生率分析,条带玉米间大豆的效益好。试验得出间套优势的机理是:密植效应,叶日积增加,光照的多层次立体有效利用,以及复合群体种间竞争所构成的相互补偿与相互协作。

关键词

分类号

## STUDIES ON INTERCROPPING ADVANTAGES OF POTATO-MAIZE AND MAIZE-SOYBEAN CROPPING SYSTEMS

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**Abstract** Field experiments on intercropping of potato-maize and maize~soybean were carried out in 1974-1983 at Xuanwei county, Yunnan Province, China. An effort had been made to investigate the advantages of inter-cropping system and its mechanisms. Results indicate that the potato-maize and maize-soybean intercrop-ping may be used in the upland crop cultivation systems appropriately. The potato-maize intercropping has given higher food production and more income per land area than the single population; whereas the maize~...

**Key words**

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