

研究论文

# 甘薯不同品种块根膨大过程的研究—— I .甘薯不同品种根的初生结构比较研究

王心钗, 刘炳勋, 季敏

山东省泰安地区农业科学研究所

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**摘要** 本研究对甘薯块根淀粉含量高低4种不同类型35个品种根的初生结构进行了比较研究。甘薯根的初生结构,属典型的双子叶植物根结构,大部分品种维管束为五原或六原。不同品种间根的维管束数目、皮层厚薄、中柱大小是有差异的,但这些差异与块根膨大快慢,淀粉含量多少,产量高低似无相关性。

**关键词**

**分类号**

## ANATOMY OF THE ROOT TUBER FORMATION OF SWEET POTATO VARIETIES—— I .COMPARATIVE STUDIES ON THE PRIMARY STRUCTURE OF THE ROOT OF DIFFERENT CULTIVARS IN IPOMOEA BATATAS LAM

Wang Xinchai, Liu Bingxun, Ji Min

[Institute of Agricultural Science of Tai-an District; Shandong Province](#)

**Abstract** The comparative studies on the primary structures of roots were conducted among 35 cultivars of Ipomoea batatas Lam in China. According to starch content, they were divided into four different groups: low, medium, high and maximum level. The results are as follows. The primary structure of the root in Ipomoea batatas Lam was typical of dicotyledons. It is composed of epidermis, cortex and stele. The protoxylems and protophloems arranged alternatively in a radial ring. The number of vascular bundles of most cu...

### Key words

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