

研究简报

马铃薯不同品种组织汁液pH值与抗病性的相关性分析*

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收稿日期 2007-4-23 修回日期

摘要 对马铃薯的5个水平抗性品系和4个垂直抗性品种(系)的下部健康叶组织汁液进行pH值测定, 并调查各品种(系)晚疫病发病病级, 分析组织汁液pH值与品种抗晚疫病相关性。结果表明: 水平抗性品种pH值与垂直抗性品种pH值变化存在一定差别, 在缓冲体系调节的叶组织汁液pH值在出苗整齐后至受病原菌感染前这一时期, 水平抗性品种高于垂直抗性品种。

关键词 [马铃薯](#); [叶组织汁液pH值](#); [水平抗性](#); [垂直抗性](#); [相关性](#)

分类号 [S 532.01](#)

Analysis of the Relationship Between the pH Value of the Tissue Juices of Different Potato Varieties and Disease Resistance

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Abstract

The pH values of the leaf tissue juices of 9 potato varieties with two types of resistance to potato late blight (*Phytophthora infestans*) were detected, 5 of them with horizontal resistance and 4 with vertical resistance. During the disease period, the disease classes of these varieties were also investigated. The results showed that there was significant difference between two types of resistant varieties and the relativity between the pH value of potato leaf juice and potato varieties resistance. The pH values of potato varieties with horizontal resistance were higher than those with vertical in normalcy.

Key words [potato](#) [pH value of leaf tissue juice](#) [horizontal resistance](#) [vertical resistance](#) [relativity](#)

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