



不同行距对陆地棉品种纤维品质性状的影响

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Varietal Comparison of Some Fibre Quality Traits of Cotton (*Gossypium hirsutum* L.) under Different Row Spacings

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摘要

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摘要 本研究于2006—2007年度在费萨拉巴德农业大学农业研究试验场进行, 试验目的是为了比较三个不同品种陆地棉在不同的行距下的性状质量。试验处理包含三种行间距(60 cm、75 cm和90 cm)和三种不同陆地棉品种(NIAB-111, CIM-496与FH-901)。所有的实验数据均进行变异系数的统计学分析。试验结果显示, 行距显著影响GOT值, 但是对纤维长度、纤维比强度、纤维整齐度和纤维细度没有影响。三种陆地棉品种之间在纤维长度、纤维比强度和纤维细度上存在显著差异, 而在纤维整齐度和GOT上没有显著差异。

关键词: 棉花 品种 行距 纤维质量性状 GOT

Abstract: A field trial was conducted at Agronomic Research Area, University of Agriculture, Faisalabad during cotton season 2006-07 to compare quality traits among three varieties of upland cotton (*Gossypium hirsutum* L) under varying row spacings. The treatments were comprised of three row spacings viz. 60, 75 and 90 cm and three cotton cultivars viz. NIAB-111, CIM-496 and FH-901. Data thus collected were statistically analyzed by conducting analysis of variance. The experimental results revealed that row spacing significantly affected the ginning out turn, while fibre length, fibre strength, fibre uniformity and fibre fineness remained unaffected. The varieties differed significantly in fibre length, fibre strength and fibre fineness while ginning out turn and fibre uniformity remained unaffected.

Keywords: cotton varieties row spacing fibre quality GOT

Received 2009-07-06;

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引用本文:

SHAKEEL Ahmad Anjum, SALEEM M. Farruk, 王龙昌, 邹聪明, SHAKEEL Amir, 张云兰.不同行距对陆地棉品种纤维品质性状的影响[J] 棉花学报, 2010,V22(2): 181-185

SHAKEEL Ahmad Anjum, SALEEM M. Farruk, WANG Long-Chang, Zou-Cong-Ming, SHAKEEL Amir, ZHANG Yun-Lan.Varietal Comparison of Some Fibre Quality Traits of Cotton (*Gossypium hirsutum* L.) under Different Row Spacings[J] Cotton Science, 2010,V22(2): 181-185

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