

研究论文

陆地棉品种棉籽品质分析研究

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摘要 测定了61个陆地棉品种的种籽品质。粗蛋白和粗脂肪之间为极显著负相关($r=-0.8921$)。粗脂肪平均含量为34.777%,亚油酸平均含量为53.84%,二者之间为正相关,但不显著。粗蛋白、赖氨酸平均含量分别为40.308% 2.3687%,二者之间为极显著正相关($r=0.3477$)。61个陆地棉品种中,赖氨酸及亚油酸含量均较高的品种有19个,其中邢台6871、中_7、皖_(73-10),为中熟丰产品种;辽棉3号为早熟品种;SP_(23)、岱_(55)、布隆迪棉、岱_(61)、岱_(41)等,均可作为棉籽品质改良的亲本材料。棉籽仁是优质植物油脂及高蛋白食品和饲料的来源。它的不饱和脂肪酸占70%以上,亚油酸占50%以上;棉仁粉蛋白质含量高达50%以上。

关键词

分类号

THE ANALYSIS OF UPLAND COTTONSEED QUALITIES

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Abstract The seed qualities of sixty-one upland cotton cultivars were measured in this study. There was a high significant negative correlation between contents of rough (total) protein and fat ($r=-0.8921, p<0.01$). The average content of rough fat and the linoleic acid obtained from this investigation were 34.77% and 54.83% respectively, the positive correlation between them was presented, but not significant. The average content of rough protein and the lysine reported here was 40.308%, 2.3687% respectively, the positive relation...

Key words

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