

研究论文

## 甘蓝型油菜 (*Brassica napus*.L) 种皮颜色与种子含油量的相关分析

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**摘要** 通过光谱分析法定量测量了甘蓝型油菜(*B.napus*.L.)种子表面颜色的光度学和色度学指标,把甘蓝型油菜种皮颜色的变异分为8级,使相邻两级之间相差5个 NBS 色差单位。级别愈高,颜色愈深。通过相关和回归分析表明,在相同的遗传背景中,甘蓝型油菜种皮颜色与种籽含油量之间存在着显著负相关 ( $r=(-0.408)$ -( $-0.662$ ))。黄籽平均含油量比非黄籽(黑籽或紫红籽)高1.54~4.26%。种皮颜色每降低一个级别时,种籽含油量将相应地提高0.65%。种皮切片的初步观测表明,种皮厚度的改变是造成种皮颜色与种子含油量相互变化的决定因素之一。

关键词

分类号

## ANALYSIS ON THE CORRELATIONS BETWEEN SEEDCOAT COLOR AND OIL CONTENTS OF *BRASSICA NAPUS* L.

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**Abstract** The photometry indexes and the chromaticity indexes of seedcoat color of *B.napus* L.were quantitatively measured by spectrum analysis,and the variation of seedcoat color was divided into 8 gradations by biometrics on the basis of these indexes.The quantitative difference between the two neighboring grades is 5 NBS units of color difference,the higher gradation,the deeper seedcoat color.The oil contents of 41 seed samples with different seedcoat color,which were collected from 41 seed sample with different seedcoat...

**Key words**

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