

研究论文

# 辐射与杂交结合提高冬小麦辐射育种效果的探讨

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**摘要**  $\gamma$ 射线辐照优良的杂交组合是提高诱变效率的基础;杂种比品种具有较高的辐射的敏感性;辐照杂种早期世代可以提高诱变效率,辐照杂交当代,使辐射世代与杂交世代同步,有利于各世代的选育,育种效果最好;辐照杂种后代的性状分离稳定进程与杂种杂合程度有关。研究表明,辐射与杂交结合是提高辐射育种效果的有效途径之一。

**关键词**

**分类号**

## INVESTIGATION ON IMPROVING EFFICIENCY FOR MUTATION BREEDING OF WINTER WHEAT BY THE COMBINED USE OF RADIATION AND HYBRIDIZATION

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**Abstract** During the period of 1973—1978, dry wheat seeds of early generation hybrids and their parent varieties were irradiated by  $^{60}\text{Co}$ - $\gamma$  ray with a dosage of 25KR. In this paper some general remarks were made on the radiosensitivity and mutation rate of the varieties and hybrids under treatment. Thus, the conclusions could be made in abstract as follows: A good choice of hybrid combination was very important for improving the efficiency of induced mutation. The radiosensitivity of hybrid  $M_1$  was higher than that of varieties...

### Key words

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