

# 相对遗传力理论与杂交育种关于杂交亲本与子代遗传分析的一种尝试

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**摘要** 大量杂交育种的实践, 都证明正确选配亲本是一个关键问题。如果亲本选配不恰当, 往往会徒劳无功, 造成人力和物力的浪费。这说明杂种的表现, 在极大程度上是由亲本的遗传特性所决定的。只有具有丰富优良遗传性状的亲本, 才有可能产生优良的杂种后代。

**关键词**

分类号

## A THEORY OF RELATIVE HERITABILITY AND CROSS-BREEDING

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### Abstract

According to a great many cross-breeding facts, it is proved that the characters of hybrid are principally determined by two factors, namely, the genetical characters of two parents ( $P_1$  and  $P_2$ ) and the relative heritability of parents ( $a_1$  and  $a_2$ ).

The simple quantitative relation between the parent and hybrid may be expressed as follows:  $F_1 = a_1P_1 + a_2P_2$

This formula may measure the degree of dominance in all values. If the difference of the genetical material between two parents is great and their relation is complementary, the vigor and genetical contents of hybrids will be more significant and there will be more chance of selecting good types from their progenies.

### Key words

DOI:

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