



COMPLETE DIALLEL CROSS PLANS USING UNIT MATRIX

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ABSTRACT

Diallel cross is a mating scheme used by plant and animal breeders; and geneticists to investigate the genetic underpinnings of quantitative traits. In a complete diallel, all parents are crossed to make hybrids in all possible combinations. Complete diallel cross involve equal numbers of crosses of each of the $p(p - 1)/2$ distinct crosses among p inbred lines.

KEYWORDS: *Unit Matrix, Complete Diallel Crosses, General Combining Ability, and Efficiency Factor*

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