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Mejor predictor lineal e insesgado para aptitud combinatoria específica de los diseños dos y
cuatro de griffing
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Abstract

Parameters estimation in diallel crosses experiments aids to objective decision making in plant breeding programs. In these experiments the estimation of specific combining ability has been done on the basis of a fixed effects model, in spite of their random nature. For this reason, in the present work in Griffings designs two and four under the correct mixed effects model, the empirical best linear unbiased predictors for specific combining abilities, are derived. Furthermore, a computational algorithm in SAS-IML is presented to obtain such predictors.

Keywords

Diallel crosses, specific combining ability, fixed effects,
mixed effects model.

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