
A Clustering Technique for the Classification of Sweet Potato Incompatibility Groups

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ABSTRACT

A computer program was developed using an agglomerative hierarchical cluster analysis procedure to classify sweet potato clones into groups based on similarity of compatibilities. Several measures of compatibility were tested, with frequency of success ($FS = \text{pollinations successful/pollinations attempted}$) and $\ln(1/FS)$ proving most useful. Groupings obtained by these procedures can provide breeders with an indication of the crosses most likely to succeed.

