

Statistics and Plot Technique.

31. Test of significance of treatment means with mixed-up yields in field experiments.

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In a previous paper, the formulæ for estimating individual yields, in the case of an experiment with two or more plot yields being mixed up, have been worked out by the method of minimizing residual variance. It is shown, in the present paper, how the standard errors of the treatment means may be calculated as a linear function of the known yields in the case of the standard methods of field experiments and how these errors may be utilized for testing significant differences between observed treatment means.