### Journal of Tropical Agriculture, Vol 42 (2004)

HOME ABOUT LOG IN REGISTER SEARCH CURRENT

ARCHIVES

.....

Home > Vol 42 (2004) > Vanaja

# Heterosis for yield and yield components in rice (Oryza sativa L.)

T. Vanaja, Luckins C. Babu

## Abstract

Eight genetically diverse high yielding rice cultivars selected from clusters formulated through Mahalanobis D2 statistics were crossed in a diallel fashion. The parents and crosses were evaluated and heterosis for yield and its principal components estimated. Results suggest that yield increase was largely due to significant and favourable heterosis in yield components viz., number of spikelets panicle–1, panicle length, leaf area plant-1 (at maximum tillering stage) and number of panicles m-2. Five top heterotic crosses over their mid and better parents for each trait were identified.

Full Text: PDF

#### JTA Vol 42 (2004)

#### TABLE OF CONTENTS

# **Reading Tools**

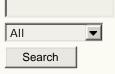
Heterosis for yie...

Vanaja, Babu

**Review policy** About the author How to cite item Indexing metadata Print version Look up terms Notify colleague\* Email the author\*

**RELATED ITEMS** Author's work **Related studies** Government policy Book searches **Relevant portals** Databases Online forums Data sets Pay-per-view Media reports Web search

#### SEARCH JOURNAL



CLOSE

\* Requires registration