



Inbreeding depression and residual heterosis for kernel characters in F_2 generation of aromatic rice

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Abstract : A field experiment was conducted during *Rabi*, 2009-10 and *Kharif*, 2010 involving 7 parents, 7 F_1 hybrids and their corresponding F_2 populations to study the inbreeding depression and residual heterosis for kernel characters *i.e.* kernel length, kernel breadth, L/B ratio in aromatic rice. The cross combinations, PUSA1121 \times BM71 and PUSA1121 \times MTU1010 for kernel length were identified as better crosses for further advancement to develop pure lines with high yield and quality.

Key Words : Aromatic rice, Kernel characters, Inbreeding depression, Residual heterosis, Heterosis

View Point Article : Reddy, M. Rajendar, Raju, Ch. Surendar, Sravani, D. and Reddy, S. Narender (2013). Inbreeding depression and residual heterosis for kernel characters in F_2 generation of aromatic rice. *Internat. J. agric. Sci.*, **9**(2): 814-817.

Article History : Received : 02.10.2012; Revised : 30.04.2013; Accepted : 30.05.2013

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