RESEARCH PAPER International Journal of Agricultural Sciences, January to June, 2010, Vol. 6 Issue 1 : 91-93

Heterosis in sesame (*Sesamum indicum* L.)

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ABSTRACT

The study of heterosis in 45 F1s of sesame resulting from 10 x 10 diallel, excluding reciprocals in four environments indicated pronounced hybrid vigour for yield and most of the yield components. The hybrid ABT 23 x ABT 26 expressing the highest heterobeltiosis for seed yield per plant followed by Mrug 1 x PT 64 also manifested high heterobeltiosis for yield contributing traits *viz.,* number of capsules per plant, length of main branch, number of effective branches per plant, number of seeds per capsule, capsule length and harvest index on pooled basis. None of the hybrids exhibited significant heterobeltiosis for earliness and dwarfness.

Key words : Heterosis, Heterobeltiosis, Sesame

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