

Character association for grain yield and some of the growth parameters associated with drought tolerance in *Rabi* sorghum

R.B. GHORADE, V.V. KALPANDE, S.A. BHONGLE AND P.A. BAND

Sorghum Research Unit, Dr. Panjabrao Deshmukh Krishi Vidyapeeth, AKOLA (M.S.) INDIA

Email : sabhongle@rediffmail.com

Correlation studies in five line, twelve testers and the resultant sixty hybrids developed by line x tester design revealed that grain yield per plant was positively and significantly correlated with all the growth parameters related with drought viz., chlorophyll content at 75 DAS, proline content, specific leaf weight, leaf area ratio at 75 DAS, crop growth rate at 60-75DAS, relative growth rate at 60-75 DAS and net assimilation rate at 60-75DAS. This indicated that increase in grain yield in *Rabi* sorghum under drought condition may be because of increase in one or more of these growth parameters.

Key words : Correlation, Drought, Water stress

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