

RESEARCH ARTICLE

Co-relation studies in *desi* cotton genotypes (*Gossypium arboreum* L.)

■ S. B. Borgaonkar, M. B. Patil, A. B. Jadhav and G. S. Pawar

SUMMARY

The present investigation entitled “Correlation studies in *desi* cotton genotypes (*Gossypium arboreum* L.)” was carried out to evaluate promising cotton genotypes yield and yield contributing traits at Cotton Research Station, Mahboob baugh farm, VNMKV, Parbhani, during *Kharif* season-2022. The present experiment conducted on fifteen promising genotypes of cotton (*Gossypium arboreum* L.) including two checks. The genotypes tested were PA-904, PA-906, PA-907, PA-927, PA-929, PA-932, PA-936, PA-941, PA-942, PA-945, PA-947, PA-948, PA-950 along with two checks PA-742 (C) and NH-615 (C). The results revealed that the characters viz sympodia per plant, number of bolls per plant, 10-boll weight, seed index, and ginning out turn were significantly and positively correlated with the seed cotton yield. Whereas, days to first flower initiation, days to 50% flowering and days to first boll development had negative and significant correlation with the seed cotton yield.

Key Words : Seed index, Ginning outturn, Sympodia

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