



RESEARCH ARTICLE :

Influence of crop phenology on the activity of insect-pests of chilli (*Capsicum annuum* L.)

■ Y.H. SUJAY, R.S. GIRADDI, O. SRIDEVI AND S.B. GOUDAR

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SUMMARY : To know the influence of plant morphological characters on the activity of insect pests of chilli, ten genotypes viz., T₁- Byadagi kaddi, T₂- Byadagi dabbi, T₃- Sankeshwar, T₄- Sarpan hybrid, T₅- Tejashwini, T₆- VN-2, T₇- Arunalu, T₈- S-112-1, T₉- S-112-4 and T₁₀- S-20-1 were procured from Department of Genetics and Plant breeding, UAS, Dharwad and sown at the MARS, Dharwad and later they were transplanted in main field. Among different morphological characters, significantly positive correlation was observed in relation to plant height (0.5935), leaf area (0.3565), number of leaves per plant (0.3161), petiole length (0.1381), internode length (0.1920), number of nodes per plant (0.4981) and number of branches per plant (0.2195) against aphids and thrips activity except number of trichomes (-0.1205) and leaf thickness (-0.1785) which recorded negative correlation, respectively. Whereas all morphological characters recorded significantly negative correlation (-0.0951, -0.2510, -0.3431, -0.4508, -0.5925, -0.3448, -0.2214, -0.3181 and -0.7535) against mite activity, while positive correlation was observed in relation to plant height (0.4688), leaf area (0.2017), number of leaves per plant (0.3400), internode length (0.1657), number of nodes per plant (0.2810), number of branches per plant (0.4389) and negative correlation showed in petiole length (-0.0858), number of trichomes (-0.1310) and leaf thickness (-0.4250) against *H. armigera*.

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Author for correspondence :

Y.H. SUJAY
University of
Agricultural Sciences,
RAICHUR (KARNATAK)
INDIA
Email : [morphosis77@
gmail.com](mailto:morphosis77@gmail.com)

See end of the article for
authors' affiliations