

## Seasonal incidence, correlation and regression among weather parameters against mites on summer okra

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### ABSTRACT

On summer okra crop seasonal incidence as influenced by weather parameters on mites population reached its peak during last week of April with 8.40 mites in 6.25cm<sup>2</sup> leaf area/ 3 leaves. The correlation between mite population was positively significant against maximum temperature ( $r= 0.841^{**}$ ), minimum temperature ( $r= 0.805^{**}$ ), evaporation ( $r= 0.803^{**}$ ), wind velocity ( $r= 0.728^{**}$ ) and bright sunshine hours ( $r= 0.649^*$ ), while with morning R.H ( $r= - 0.717^{**}$ ) and evening R.H ( $r= - 0.643^*$ ) it was negatively significant. The equations of linear and multiple regression were set of mite population by working out regression co-efficient (b) and constant (a) alongwith co-efficient of determination ( $R^2$ ).

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