

**RESEARCH ARTICLE :**

## Succession of major insect pests and impact of abiotic factors in green gram

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**SUMMARY :** The present investigation was taken up at Agronomy Farm, B. A. College of Agriculture, Anand Agricultural University, Anand during Summer and *Kharif*, 2015. In Summer, aphids, jassids and thrips population showed two peaks whereas whiteflies showed only one peak. Peak activity of flower thrips was observed during 19<sup>th</sup> SMW. The highest activity of spotted pod borer was recorded during 18<sup>th</sup> SMW. Whereas in *Kharif*, all major sucking pests and spotted pod borer showed two peaks. The activity of natural enemies was seen in both the seasons while spiders only during Summer. Maximum temperature ( $r = 0.62^*$ ) on jassids and rainfall ( $r = 0.62^*$ ) on spiny brown bug during Summer whereas bright sunshine hours ( $r = 0.65^*$ ) on jassids and BSS ( $r = 0.69^*$ ) on thrips during *Kharif* showed significant positive association. There was significant association between coccinellids and sucking pest's viz., jassids, thrips, flower thrips and mites.

**KEY WORDS :**

Pests succession,  
green gram, abiotic  
factors

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