

# Seasonal Fluctuation in the Population of Soil Insects under Grassland Field

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**Abstract:** *The present study reports annual fluctuation in the edaphic factors and the insectanmesofauna from the depth of 0-5c.m. and 5-10 c.m. temperature was recorded maxima during May and minima during January under the grassland, whereas the soil moisture and organic carbon were highest during October and lowest during Febuary and December, respectively. soil pH varies between 7.3 to 7.7, available Nitrogen ranges from 225.0ppm to 258.5ppm while Potash did not show any appreciable change. A total of five different Apterygote species were observed with Isotoma and Hypogastruura in 0-5c.m. and 5-10c.m. respectively. The number of different species in the larval Pterygote population remained constant, whereas the adult showed a consistent decrease in the depth of the soil. Prostigmates and Mesostigmates were also present throughout the investigation period. The significance of the abundance and variation of the soil insects and the prevailing ecological soil factors has been discussed.*