

SOUTHERN OSCILLATION TELECONNECTIONS IN THE POPULATION DYNAMICS OF BERNE, LARVA OF *DERMATOBIA HOMINIS*, IN BRAZIL.

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SUMMARY: Variations in the counts of berne (tropical warbles of *Dermatobia hominis*) between and within years during the 1980s, for three long-term observational experiments in Campo Grande, have been corroborated with independent experiments in different parts of Brazil. These observations have been correlated with the Southern Oscillation event, as measured by the SOI or Southern Oscillation Index and known to have significant effects on Neotropical meteorological systems. More data on the life-cycle of berne and of its porters is required to define this correlation and design adequate control programmes.

KEY WORDS: *Dermatobia hominis*, tropical warble fly, population dynamics, Southern Oscillation, teleconnections, field observations, Brazil.