

XVIII SEMINÁRIO DE INICIAÇÃO CIENTÍFICA DA UFJF

Grande área:

Ciências Biológicas

Projeto:

TESTE DE UMA TÉCNICA ALTERNATIVA PARA DETERMINAÇÃO DO SEXO LARVAL NA VESPA SOCIAL POLISTES VERSICOLOR

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Resumo:

In insects, brood sex identification at the early stages of development (e. g. larvae) is a useful approach for accessing questions about the biology of social groups, like queen-worker conflict over sex ratio. Gonads morphology has been examined just in fresh larvae and gonopores structure has been examined just in short time alcohol preserved larvae (lower than a week). As a result, two questions arise, (i) sexing by gonopores is applicable for different social wasps or is it a particular property of some species? (ii) Sexing by gonads morphology and gonopores structure is applicable to long time ethanol preserved larvae? The structure of gonopores in larvae of *Polistes versicolor* were examined. In studied specie, females larvae have a pair of small circles on the 8 th segment, and an unpaired disc with 2 circles inside on the 9 th segment, whereas in male larvae only the unpaired disc on the 9 th segment is present. Gonads morphology and has gonopores structure been considered to be a rapid method for sexing fresh larvae of social wasps.