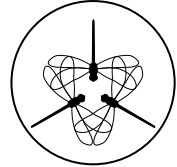


Abstracts of Papers



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MORPHOMETRY ANALYSIS, ECTOPARASITE INFECTION
AND FECUNDITY OF TWO *ISCHNURA ELEGANS* MORPHS
IN SW UKRAINE

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Populations of *Ischnura elegans* were studied in SW Ukraine at the following locations (1) - 45°18'32.34"N, 29°41'21.65"E, (2) - 45°25'59.17"N, 29°31'35.64"E, (3)- 45°23'38.78"N, 29°36'43.23"E and (4) - 46°24'37.81"N, 30°15'34.92"E.

Females in tandem were transported to the laboratory and stored separately in ventilated tubes with wet filter paper on the bottom for oviposition; eggs laid were counted on the third day. Females were thereafter divided into two groups: 1) Oviposited females and 2) females which had not laid eggs after copulation. Fecundity was characterized as average fecundity (number of eggs applied to all copulated females) and specific (ecological) fecundity (the number of eggs from individual females).

In population 1 alone, "androchromes" from tandems had greater thorax width, body and abdomen lengths than "infuscans". Intrapopulation heteromorphousness of all linear characteristics (except wing length) was registered for copulated "infuscans" from populations 1-3. There was no difference in mite infections between morphs. Correlation analysis showed that for "infuscans", fewer ectoparasites equals greater fecundity. Median, 25%+75% quartiles in the fourth population showed higher fecundity for "androchromes". The differences are significant for specific fecundity.