



Research article

Effect of temperature on different developmental stages of *Cunexa terminalae* : An important biocontrol agent against phytophagous mites

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Key words: Phytophagous, mite, biocontrol, different temperature, nymph, acarine.

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Abstract

During the field survey, the author found a new predatory mite from arjun plant within the deep mangrove vegetation during February, 2017 in Sundarbans Biosphere reserve. A study on biology of *Cunexa terminalae*, seems to be important predatory mite against phytophagous mites in India, at four constant temperatures, i.e. 20, 25, 30, and 35°C in the laboratory conditions indicated that developmental period increases with decrease of temperature while daily rate of egg laying, fecundity, longevity were highest at 25°C and lowest at 35°C considering relatively shorter developmental period, higher fecundity, less mortality and minimum longevity, 25°C was found to be most preferred temperature for the development of *Cunexa terminalae* while 35°C was most unsuitable one.