

POPULATION DYNAMIC OF MOSQUITO ADULTS (DIPTERA: CULICIDAE) IN AR RIYADH CITY, SAUDI ARABIA

**AZZAM MOHAMMED ALAHMED AND
MOHAMMED ABDULLAH AL KHERIJI**

Plant Protection Department, College of Food and Agric. Sciences, King Saud University,
P. O. Box 2460, Riyadh 11451, Saudi Arabia

Abstract Seasonal activity of adult mosquitoes (Diptera: Culicidae) was studied using CDC light traps baited with CO₂ during the period June 2003-June 2004 in Ar Riyadh City (Capital of Saudi Arabia). Four species of mosquitoes were collected; *Culex quinquefasciatus* Say, *Culiseta longiareolata* (Macquart), *Aedes caspius* (Pallas) and *Anopheles arabiensis* Patton. *Culex quinquefasciatus* was the most abundant (98.63%). High numbers of adult mosquitoes were collected during December and April when temperature and humidity were optimum, while during summer (June – September) and winter (June – March) were low.