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Studies on efficiency of herbicides against weeds of blackgram (*Vigna mungo* L.)

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ABSTRACT : A field experiment was conducted during *Kharif* 2009-10 at Students' Instructional Farm, C.S. Azad University of Agriculture and Technology, Kanpur. The experiment consisted 10 treatments *viz.*, six doses of herbicide clethodim, single dose of quizalofop-ethyl and fenoxaprop-P-ethyl each, hand weeding twice and untreated control. The results revealed that clethodim @ 60 g.a.i./ha + NIS + AMS controlled weed population and biomass at par with hand weeding treatment. Both these treatments improved growth and yield attributes of blackgram as compared to other treatments. Grain yield was significantly highest (8.50 q/ha) under hand weeding treatment followed by clethodim @ 60 g/ha + NIS + AMS with 6.90 q/ha. Net income was also obtained significantly maximum of Rs. 13916/ha under hand weeding followed by clethodim @ 60 g ai/ha treatment with Rs. 9232/ha.

Key Words : Herbicides, Weeds, Blackgram

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