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Azadirachtin, a potent antifeedent was isolated from Neem cake by Medium Pressure Liquid Chromatography (MPLC).

Effects of Azadirachtin and Neem seed oil on body weight of adult male and female cockroaches were examined for 7 days. Body weight and production of treated insects decreased while that of the control insects increased continuously. All treated groups of cockroaches produced fewer faeces compared with untreated, fed control group insects. The amount of faeces produced per day was assumed to be correlated with food intake.

The present study reveals that the effect of neem seed oil on growth of cockroaches was more effective than that of *Azadirachtin*. Reduction of body weight and faecal production were prominent at the doses >1 g/ g (body weight of cockroaches).