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Control of Sugarcane Termites with Botanical Products

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*An experiment was conducted with some botanicals to find out their effectiveness against sugarcane termites and their effects on the growth and yield parameter of sugarcane at Sreepur, Gazipur, Bangladesh growers plot during the cropping seasons 2005-06 and 2006-07. The botanicals, neem leaf (*Azadirachta indica*), neem seed and bishkatali (*Polygonum hydropiper L.*) plant powder, were applied at 60 kg per hectare, 80 kg per hectare and 100 kg per hectare during planting and then after two and four months of planting. The number of termites was higher in the control plot compared to the other botanicals treated plots. During the 2005-06 cropping season, neem leaves powder at 100 kg per hectare, neem seed powder at 60 kg per hectare, neem seed powder at 100 kg per hectare, bishkathali plant at 100 kg per hectare gave above 80 per cent efficacy with 85.09 per cent, 84.00 per cent, 809.04 per cent and 91.39 per cent. On the other hand during the 2006-07 cropping season only neem seed powder at 100 kg per hectare showed the highest efficacy with 78.77 per cent. Millable cane and yield were also increased over control. This study revealed that the botanicals from neem and bishkathali plant can be used for controlling termite.*

Keywords: *Saccharum officinarum, botanicals, termite.*

