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RESEARCH ARTICLE :

Biological and mechanical method of pest management in sugarcane and its adoption

R. Velusamy

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SUMMARY : The farmers are not using the specific pest problem based pesticides. Also they are not using bio control agents for some of the pest. Farmers are not usually removing the trash. Also due to labour shortage farmers are not able to remove the trash. It will leads to pest and disease incidence. An experiments result shows that there was increased yield due to detrashing. Keeping this in view the demonstration was conducted with the aim to introduce the detrashing tool and control the internode borer with bio control agents. The result of demonstration revealed that the detrashed sugarcane crop recorded higher cane yield (139.32 tonnes/ha), gross income (Rs.1, 42,660/ha), net return (Rs. 97,648 / ha) and benefit cost ratio (3.17) compared to the farmers practices (2.84). The result of bio control agents demonstration revealed that the integrated pest management practices recorded higher cane yield (156.20 tonnes/ha), gross income (Rs.1, 59,948/ha), net return (Rs.1, 14,798 /ha) and benefit cost ratio (2.54) compared to the farmers practices (2.30).

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Author for correspondence :
R. Velusamy
Department of Agricultural Extension and Rural Sociology, Agricultural College and Research Institute, Tamil Nadu Agricultural University, Madurai (T.N.) India
Email: veluswamy.r@tnau.ac.in