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(57) Abstract :
ABSTRACT VIABLE AGROWASTE BIOCHAR BASED ECO-FRIENDLY INSECTICIDAL RODS FOR PADDY FIELDS The invention relates to biochar-based insecticidal rods for paddy fields, prepared from paddy residues blended with cow dung, dried neem leaves, camphor, and havan samagri. The mixture, in a mass ratio of 50:25:10:05:10, is compressed, molded into elongated rods of about one foot, and sun-dried. The briquettes exhibit a calorific value of 10–15 MJ/kg, providing stable ignition and controlled vapor release. When ignited in flooded paddy fields, they repel insects naturally and leave biodegradable ash that enhances soil fertility

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