

农业资源与环境科学

农业农村节能减排技术选择影响因素的实证分析

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摘要：通过对福建省永安市八一村和沙县延溪村的问卷调查，应用logistics模型对影响农户选择农业部农业农村节能减排“十大”技术的主要因素进行实证分析，结果表明：是否获得政府补贴、农户对污染的可控性态度、经营土地总面积和家庭能源月消费额等四个因素对农户采纳沼气技术具有显著影响；影响农户采纳太阳能技术的主要因素是农户受教育年限和采纳技术是否获得政府补贴；而农户采纳轮作技术主要是受教育年限、经营土地总面积、获取农业信息的渠道数、是否参加农技部门的指导和培训、对农业部门的服务是否满意等因素的影响。据此提出节能减排技术的推广应采取政府主导型、加大宣传努力提高农民素质和提倡适度规模经营等相关政策建议。

关键词： 农业农村 节能减排技术 logistics模型

Empirical Analysis of Influencing Factors of Technology Choice about Agriculture and Rural Energy-saving and Emission Reduction

Abstract: Through the questionnaire survey about Bayi Village Yongan City and Yanxi Village Sha County of Fujian Province, the paper uses the logistics model to carry on the empirical analysis about the major factors of influencing peasant households to choose the "Top Ten" technology about agriculture and rural energy-saving and emission reduction from the Ministry of Agriculture. The results indicate that: Whether to obtain the government subsidy, the peasant household's attitude about the pollution controlling, the total land area of management and monthly consumption of the family energy and so on four factors have remarkable influence on the peasant households adopting biogas technology; The primary factor of affecting the peasant households to adopt the solar energy technology is the number of years of education of peasant households and the adopted technology whether to obtain the government subsidy; Whereas the peasant households whether to adopt the crop rotation technology is mainly influenced by the number of years of education, the total land area of management, the number of channels to gain agriculture information, whether to participate in the agricultural technology department's instruction and training, whether to satisfy with Agriculture department's service and so on. Based on the above the paper proposes that the promotion of energy-saving and emission reduction technologies should adopt government-led, stepping up publicity efforts to improve peasant household's quality and advocating appropriate scale of operation and other related policy recommendations.

Keywords: agriculture and rural the technology of energy-saving and emission reduction logistics model

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福建省农业和农村节能减排技术选择及适用性评价

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