Abstract

This study investigates the impact of a training program on organic farming practices among rural households in selected areas, aiming to enhance health, reduce environmental pollution, and promote sustainable agricultural practices. The research methodology involved conducting household surveys, implementing training sessions, and evaluating the program's outcomes.

The household survey gathered demographic data and insights into current agricultural practices and organic waste management. Findings highlighted diverse farming practices and challenges such as pest attacks and diseases, exacerbated by the heavy use of chemical fertilizers and pesticides. Organic waste management practices also revealed significant gaps in disposal methods and environmental awareness among rural communities.

The training program focused on educating farmers about organic farming techniques, including composting and natural pest control methods. Evaluation of the training's impact showed notable improvements in farmers' knowledge and attitudes towards organic farming. Statistical analysis indicated significant changes in knowledge scores post-training, suggesting a substantial increase in understanding organic practices among participants.

The adoption of organic practices post-training was another key outcome assessed. Results demonstrated a marked increase in the adoption of composting, organic growth boosters, and natural pest and disease management methods. This adoption was supported by economic benefits derived from reduced input costs and improved crop yields, contributing to rural household prosperity.

Challenges identified during the study included logistical constraints in conducting widespread training and limitations in transportation for field visits. Despite these challenges, the training program succeeded in reaching a significant number of farmers and effecting meaningful changes in agricultural practices.

The findings underscore the importance of targeted training programs in promoting sustainable agriculture and improving rural livelihoods. The study contributes valuable insights into the efficacy of educational interventions in transitioning farmers towards organic farming practices. Recommendations include scaling up similar training initiatives, addressing logistical barriers, and enhancing community awareness on environmental stewardship and waste management.