

traditional practices. Marketing problems, such as unorganized markets and dependence on intermediaries, further reduce farmers returns. The MLR results indicated that cultivated area, irrigation, annual household income, and training significantly influenced production. Productivity is greater for farmers with training, cooperative membership, and literacy. French bean production is promising in the Kalikot district of Nepal, but sustainable growth requires integrated improvements in irrigation, technical training, input supply, pest and disease management, and market organization to enhance productivity and farmer income.

Authors' contributions

S Panta conceived and designed the study, led the fieldwork, performed the data analysis, and prepared the manuscript. S Pandey provided methodological support and assisted in interpreting the findings. P Dhungana contributed to literature review, data validation, and manuscript revision. L Pokhrel coordinated data collection and supported field activities. S Pant assisted with fieldwork and data entry. S Regmi supervised data collection and contributed to data analysis. All authors read and approved the final manuscript.

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