

Excel, 2023

THE LUMBINI AGRICULTURE JOURNAL

Volume: 03

June, 2024

ISSN: 2961-1571 (Print), 2961-158X (Online)



Lumbini Province Government
Ministry of Agriculture and Land Management
Rapti Valley (Deukhuri), Nepal

June, 2024

TABLE OF CONTENTS

SN.	ARTICLES	PAGE NO.
1	Relative Performance of Popular and Newly Released Wheat Varieties Under Timely Sown Irrigated Condition at Bhairahawa, Lumbini Province, Nepal Deepak Sapkota, Khem Raj Pant, Anjal Nainabasti and Bisheshwor Prasad Pandey	1
2	Application of GIS Technology in Assessment of Climatic, Topographic Parameters and Soil Fertility Mapping of Gaumukhi, Pyuthan, Nepal J.J. Gairhe, S. Thapa and K. Aryal	14
3	Effectiveness of Agriculture Loan Disbursed by Banks and Financial Institutes in Central Nepal M. Basnet, A. Khanal, R. B. Pradhan, R. Timilsina, B. Aryal, S. Neupane, B. Khanal	29
4	Marketing Behavior, Functions and Marketing Mix Strategies of Lentil in Nepal: Traders Perspective B. Ghimire, S. C. Dhakal, S. Marahatta and R. C. Bastakoti	41
5	Vulnerability Assessment of Climate Change Impact on Livestock Sector of Rupandehi District Anil Kumar Kanu Baniya	57
6	Factors Affecting the Adoption of Farm Mechanization Among Rice Farmers in Chitwan District, Nepal Pratima Bantawa Rai, Om Prakash Singh, Sushmita Bhatta and Binayak Prakash Mishra	78
7	Comparative Economic Analysis of Major Vegetables in Bagmati Province, Nepal A. Khanal, M. Basnet, R. B. Pradhan, R. H. Timilsina	93
8	Performance and Characterization of Long-Duration Pigeon pea (<i>Cajanus cajan</i> L.) Variety: Khajura Rahar 1 Padam P. Poudel, Laxman Aryal, Rajendra Darai, Ram B. Khadka, Tej P. Dubey, Kumar Subedi, Man B. Chadaro, Shanta Bdr. Malla	104

- 9 Differential Economic Assessment of Maize Grain and Seed Production in The Maize Zone of Rukum West, Nepal 115
Sanjita Khatri Chhetri, Pratishtha Adhikari, Sony Bhattarai and Suman Ghimire
- 10 Effect of Biological Extracts of Medicinal Plants on In-Vitro Growth of Citrus Canker Pathogen (*Xanthomonas Campestris* pv. *citri*) 133
Sanjay Lamichhane
- 11 Factors Affecting the Adoption of Flood Risk Management Strategies Among Farming Communities in Nawalparasi West District, Nepal 143
Smriti Sapkota, Om Prakash Singh, Deepa Timilsina, Shreesha Pandeya and Binayak Prakash Mishra
- 12 Optimizing Vermicomposting Practices for Sustainable Waste Management: A Case Study in Birendranagar Surkhet 164
Om Prakash Singh and Pavitra Gauli