

Agriculture and Forestry University
Rampur, Chitwan, Nepal
Journal of Agriculture and Forestry University (JAFU)

Volume 3

2019

Review Article

1. Agriculture land use in Nepal: Prospects and impacts on food security 1-9
R. H. Timilsina, G. P. Ojha, P. B. Nepali, and U. Tiwari

Research Articles

1. Farmer's perception on vulnerability of cropping pattern and adaptive mechanism in Panchthar and Chitwan, Nepal 11-23
D. Devkota, S. Dhakal, S. K. Khatri, and N. R. Devkota
2. Validating technical performance of micro-hydropower plants in Nepal 25-36
R. B. Thapa, B. R. Upreti, D. Devkota, and G. R. Pokharel
3. Fatty acid composition of oil extracted from soybean seeds harvested at different days of reproductive stage 37-42
K. H. Dhakal
4. Effects of different doses of nitrogen on jassid (*Amrasca biguttula biguttula* Ishida), and red cotton bug (*Dysdercus koenigii* F) population and yield of okra (*Abelmoschus esculentus* (L.) Moench) in Chitwan, Nepal 43-48
B. Belbase, G. Neupane, H. Yadav, N. Pandey, and R. Regmi
5. Fruit bagging with cloth bag: An eco-friendly and cost effective management method of cucurbit's fruitfly (*Bactocera cucurbiteae* Coq.) on bitter gourd (*Momordica charantia* L.) in Kathmandu, Nepal 49-56
S. Pokhrel
6. Variability, heritability and correlation studies on grain yield and related traits in spring wheat genotypes 57-62
B. R. Ojha, A. Ojha, and R. Chaudhary
7. Effects of foliar application of urea and micronutrients on yield and fruit quality of Mandarin (*Citrus reticulata* Blanco) 63-68
P. R. Rokaya, D. R. Baral, D. M. Gautam, A. K. Shrestha, and K. P. Paudyal
8. Effects of chemical additives on shelf life of tomato (*Solanum lycopersicum*) during storage 69-76
P. Devkota, Pritika Devkota, R. Khadka, K. R Gaire, and P. R. Dhital
9. Effects of spacing and weed management practices in winter maize in Rampur, Chitwan 77-84
P. Gurung, S. Dhakal, S. Marahatta, and J. B. Adhikari
10. Farmers' perception on climate change and maize cultivation in relation to insect diversity across the altitudinal gradient of Nepal 85-97
G. S. Bhandari, R. B. Thapa, Y. P. Giri, H. K. Manandhar, and P. K. Jha
11. Evaluation of heat tolerant maize (*zea mays* l.) Inbred lines under natural field conditions in India 99-104
M. P. Tripathi, S. K. Ghimire, S. K. Nair, S. K. Sah, M. P. Pandey, M. T. Vinayan, K. Seetharam, and P. H. Zaidi
12. In-vitro evaluation of commercially available fungicides against *Bipolaris sorokiniana*, the cause of spot blotch of barley 105-111
B. Angdembe, N. Dhakal, S. G.C., K. R. Pant, and H. K. Manandhar
13. Contribution of dead wood and forest soil to carbon sequestration in Parsa National Park, Nepal 113-123
G. Kafle, Y. P. Timilsina, R. P. Sharma, M. Rijal, B. Bartaula, B. Pokhrel, and V. Thakur
14. Leaf litter decomposition and weight loss pattern of five tropical tree species 125-131
S. Bhattarai and B. Bhatta
15. Assessment of major feed resources and its utilization in Manaslu Conservation Area, Nepal 133-143
B. Dhakal, S. Subedi, B. Khanal, and N. R. Devkota

16. Effectiveness of duration of CIDR application on reproductive performance of postpartum anestrous dairy cows 145-150
G. Gautam, B. B. Ratna, A. K. Sah, and B. N. Devkota
17. Response of irrigation and plant bio-regulators spray on seed yield and quality of Egyptian clover (*Trifolium alexandrinum* L.) 151-158
R. P. Ghimire, N. R. Devkota, D. Devkota, and M. P. Sharma
18. Nepal livestock feed balance and strategies to address the feed deficit 159-171
S. B. Singh and N. Singh
19. Performance of locally formulated low cost feeds for rearing rainbow trout (*Oncorhynchus mykiss* walbaum, 1792) fry in Nepal 173-179
G. B. Gurung, S. Rai, A. P. Nepal, and K. Gharti