



ISSN 0974-0775

GREEN FARMING

International Journal of Applied Agricultural & Horticultural Sciences

(Abbr. *Green Farming Int. J.*)

Volume 5

Number 1

January-February 2014

Bimonthly

CONTENTS

Previous issue :

Vol. 4, No. 6, pp. 679-820

● Research Papers

- Effect of phosphate solubilizing microorganisms on growth & yield of chilli (*Capsicum annuum* L.) plants
— S.B. NAGARAJ, K. TAMIL VENDAN, MAHADEVASWAMY and M.B. ROODAGI 1
- A comparative study on morphological, yield & quality characters of arabica coffee (*Coffea arabica* L.) genotypes
— S. MUTHURAMALINGAM, K. RAJAMANI, S. PRANEETHA, M. TAMILSELVAN, R. ARUNKUMAR, J. EJILANE and S. JEYAPRABHAVATHI 7
- Evaluation of oats genotypes for improvement of yield and attributes in Tamil Nadu
— A. NIRMALAKUMARI, G. THAMODHARAN, R. SELLAMMAL, T. EZHILARASI and T. BALASUBRAMANIAN 15
- Effect of INM on dry matter production, yield, nutrient content and uptake by maize-spinach cropping system
— I. USHARANI and G. PADMAJA 20
- Evaluation of cotton (*Gossypium hirsutum* L.) genotypes for drought tolerance by physiological approaches
— A.G. BABU and B.C. PATIL 25
- Morpho-physiological and biochemical responses of clusterbean genotypes to organics
— L.K. MEENA, B.B. CHANNPPAGAUDAR, SHAILENDRA SINGH and B.K. MEENA 30
- Effect of different organic manures on yield and nutrient uptake by maize (*Zea mays* L.)
— C.S. MPONYA, S.K. SHARMA and R.H. MEENA 33
- Influences of certain production technologies on nutrient uptake by plants & post-harvest soil analysis in sesame
— K. BHARATHI and P. PANNEERSELVAM 37
- Effect of fertilizers and manures with foliar application of iron on barley (*Hordeum vulgare* L.)
— SHRIPAL CHOUDHARY, L.R. YADAV, A.C. SHIVRAN and M.M. PUNIYA 41
- Interaction effect of weed management practices, brown manuring and nitrogen levels on yield of direct seeded rice and growth of weeds
— S.K. YADAV, D.K. SINGH and MANISHARANI 46
- Energy use pattern under rice cultivation in Raipur district of Chhattisgarh
— N.K. YADAV, J.S. NIKHADE, G.K. NIGAM and S.M. NAGE 51
- Optimization of operational parameters and performance evaluation of self propelled weeder for field crops
— U.S. KANKAL, M. ANANTACHAR and VIJAYKUMAR PALLED 56
- Effect of different organic mulches and *in situ* green manuring on soil properties and yield & economics of maize in dryzone of Karnataka
— K.S. RAJASHEKARAPPA, B.E. BASAVARAJAPPA and E.T. PUTTAIAH 61
- Analysis on land evaluation and crop suitability rating of acid sulphate soils of Kerala
— V.I. BEENA and K.C. MANORAMA THAMPATTI 65
- Development and quality evaluation of *kachri* (*Cucumis callosus*) powder
— SONAL BHARGAVA, MADHU GOYAL and REEMA RATHORE 69
- Effect of spacing and time of harvest on growth attributes of medicinal coleus (*Coleus forskholii* Briq.)
— A.B. MASTIHOLI and R.P. PATIL 74
- Comparative study on yield and yield attributes of rice genotypes under SRI and NTP methods of cultivation
— J. BHARGHAVI and A. SIVASANKAR 78
- Yield estimation of *kharif* rice in Visakhapatnam district of Andhra Pradesh using ORYZA2000 model
— Y. SUDHARANI and G. JAYASREE 82
- Growth analysis of hybrid rice (*Oryza sativa* L.) as influenced by organic sources and fertilizer levels
— C. SUBHA LAKSHMI and A. PRATAP KUMAR REDDY 86

Contd.

Effect of thiourea, KNO ₃ and growth regulators on growth and yield of rice during low temperature condition — DAYANAND, S.R. PATEL, BALWAN and G. NAVIN CHANDER	89
Effect of high density planting, nutrient management & land configuration on economics & nutrient uptake of <i>hirsutum</i> cotton — S.S. GANVIR, MANGALA GHANBAHADUR and V.K. KHARGKHARATE	92
Selection indices for oil content in groundnut (<i>Arachis hypogaea</i> L.) — B.K. ANITHA, N. MANIVANNAN, C.R. ANANDAKUMAR and K. GANESAMURTHY	95
Path analysis studies in sweet corn (<i>Zea mays</i> L. saccharata) — K. SADAIAH, V. NARSIMHA REDDY, S. SUDHEER KUMAR and M. GANESH	98
Genetic divergence analysis in erect & semi-spreading pigeonpea — HARISH KUMAR RATHORE, RAJ NARAYAN SHARMA, PRAMOD KUMAR GARHEWAL and JITENDRA SAHU	101
Genetic variability and effect relationship for yield & quantitative traits in exotic lines of tomato — B. RAJASEKHAR REDDY, HAMEEDUNNISA BEGUM, M. AMARNATH REDDY, N. SUNIL and M.P. REDDY	104
Micronutrient status in cotton growing soils of Chamarajanagar district of Karnataka — SHIVAMURTHI NAIK R., K. SUDHIR, B. SHIVANNA and MALLIKARJUNA LINGAPPA	108
Effect of macronutrients on growth and nutrient uptake pattern of hybrid sunflower under irrigated condition — ADITYA KUMAR, V.V. KRISHNAMURTHI and P. MALARVIZHI	111
Effect of conjunctive use of canal and saline water on productivity and profitability of wheat grown in Chambal command area of Rajasthan — R.S. NAROLIA, PRATAP SINGH, N.N. SHARMA and S.N. MEENA	114
Effect of foliar application of water soluble fertilizer on protein yield, dry matter production & grain yield of pigeonpea — MALLESHA, K. MURALI, M.K. SHRUTHI, GURURAJ KOMBALI and BASAVARAJ PATIL	117
Consumers willingness to pay for organic jaggery in Karnataka — P.S. DHANANJAYA SWAMY, HONNAIAH, B.R. JAMAKHANDI and N.N. NADONI	120
Influence of drip fertigation on growth, yield and quality of nutmeg (<i>Myristica fragrans</i> Houtt.) — G. VAIDEHI, S. SUBRAMANIAN and P. PARAMAGURU	123
Effect of spacings and different levels of fertilizer on growth and yield of bell pepper under shade net condition — SHIVAKUMAR, ABBASHUSSAIN S. and SIDRAMAYYA	126
Influence of post-harvest treatments on ripening behaviour of banana cv. Grand Naine fruits — K. VENKATA SUBBAIAH, S.L. GADEESH and R. MANJULA	129
Effect of modified atmosphere packing on ascorbic acid & organoleptic evaluation of banana at different storage conditions — V. HARIKUMAR and J. DILIP BABU	133
Physico-chemical and microbiological study of chemically preserved mango pulp — SHWETA PARIDA, MABOODURRAHMAN and R.G. BURBADE	136
Role of calcium chloride spray on post-harvest behavior of mango fruits cv. Raspuri — N.J. UMUHOZA KAREMERA, G.K. MUKUNDA, H. ANSAR and AMREEN TAJ	140
Sapota (<i>Manilkara achrus</i>) nectar and squash blended with jackfruit and avocado — MANJUNATH TOTAD, B.M. RAMAKRISHNA and K.N. SREENIVAS	143
Effect of reforms in cultivation practices on runoff soil and nutrient loss for cotton crop — S.S. PATIL and S.M. TALEY	146
Studies on seed borne mycoflora and diseases occurrence of sesame, and influence of climatic factors on the development of <i>Alternaria</i> spot of sesame — UMESH SAHU, K.P. VERMA, S.M. ALI HUMAYUN and RITIKA THAKUR	149
● Short Communications	
Studies on seed set abilities of male sterile and male fertile lines of tropical onion (<i>Allium cepa</i> L.) — AMBRESH, VEERE GOWDA, S. VARUNAMINGAD and H. ANSAR	152
Effect of shoot pruning on flowering and fruiting of carambola (<i>Averrhoa carambola</i> L.) — T.K.S. IRENAEUS and S.K. SARKAR	155
Effect of different substrates and seasons on biological efficiency of <i>Hypsizygus ulmarius</i> (Bull.) Redhead — V.S. MUNGEKAR, P.G. BORKAR and N.P. GURAV	157
● Strategic Vision : 19	
Depletion of natural resources, ill effects of global climate change & sustainable management by new techniques — L.R. VARMA and YOGESH PAWAR	