



ISSN 0974-0775

NAAS Rating : 4.79

GREEN FARMING

(International Journal of Applied Agricultural & Horticultural Sciences)

(Abbreviation : *Green Farming Int. J.*)

Volume 6

Number 6

November-December 2015

Bimonthly

CONTENTS

Previous issue :

Vol. 6, No. 5, pp. 916-1167

Research Papers

- Correlation between phenotypic and genotypic distances among selected chickpea cultivars & breeding lines
— **S. ASMA KOINAIN, V.S. HEGDE and C. BHARADWAJ** 1168
- Genetic diversity and variability studies for yield and fibre traits in cotton (*Gossypium hirsutum* L.)
— **G.K. NISHANTH, YALLAPPA HARIJAN and I.S. KATAGERI** 1174
- Comparative analysis of lycopene content of selected F₇ lines of tomato in field and green house
— **SUKANTA SINHA, SUJEET KUMAR, CHANDRA MOHAN MEENA and P.H. RAMANJINI GOWDA** 1180
- Studies on gene action and combining ability for yield and other quantitative traits in tomato
— **V.M. CHAUDHARI, K.N. CHAUDHARI, M.M. PANDYA, S.R. PATEL and R.F. CHAUDHARY** 1186
- Optimizing the yield potential of pigeonpea through improved agronomic practices in vertisols
— **M.G. MULA, D.P. THAKARE, S.P. MEHTRE, A. RATHORE and ANIL KUMAR VEMULA** 1190
- Heterosis & character association studies in pigeonpea
— **P.U. DHONE, D.V. PATIL, I.A. MADRAP, KULDEEP SINGH CHANDRAWAT and P.H. KIIHNE DUMAI** 1195
- Characterization of clusterbean (*Cyamopsis tetragomoloba* (L.) Taub) genotypes based on morphological markers
— **UMESHA, B.C. CHANNAKESHA, D. NUTHAN, K. BHANUPRAKASH, G.T. THIRUMALARAJU, P. BALAKRISHNA and R. SIDDARAJU** 1200
- Genetic variability studies in coriander (*Coriandrum sativum* L.)
— **ARIFA A. AGASIMANI, VISHNUVARDHANA, T. CHETHAN, H.D. MOHAN KUMAR and VEENAHANCHINAMANI** 1205
- Genetic variability, character association & path analysis for grain yield & malting traits in barley (*Hordeum vulgare*)
— **NIKETAYADAV, S.R. VERMA and SATBEER SINGH** 1210
- Heterosis for grain yield and its attributes in Highland temperate maize germplasm
— **GOWHAR ALI, Z.A. DAR, I. ABIDI, A.A. LONE, M.A. MIR and A. GAZAL** 1214
- Identification and quantification of seed protein fractions from maize inbred lines by differential solubility
— **POOJA H. GUPTA, MOUNIL C. MANKAD, JAYANT G. TALATI, NILESH PATEL and ARMI PATEL** 1219
- Analysis of combining ability & standard heterosis with different crosses of TGMS lines in rice (*Oryza sativa*)
— **PARDEEP KUMAR, M.K. NAUTIYAL and N.K. SINGH** 1223
- Genetic evaluation for yield and yield contributing characters in rice (*Oryza sativa* L.)
— **VIVEK A. PATIL, AMOL E. PATIL, NITIN G. GAWANDE and R.D. VASHI** 1229
- Combining ability for seed yield and yield components in castor (*Ricinus communis* L.)
— **C.J. RAJANI, D.R. MEHTA and D.M. VEKARIA** 1234
- Manifestation of heterosis for fruit yield & its components in okra over different environment
— **S.S. PATIL, P.P. PATIL, V.A. LODAM and D.T. DESAI** 1238
- Genetic divergence studies in certain inbreds of maize (*Zea mays* L.)
— **S. SANDEEP, M. BHARATHI, V. NARSIMHA REDDY and K.B. ESWARI** 1242
- Molecular characterization of peach (*Prunus persica*) germplasm to study genetic diversity using RAPD molecular markers
— **PARUL SHARMA, RAJNISH SHARMA, MANEET RANA and HIMANISHARMA** 1246
- Integrated effect of land configurations and weed management regimes on performance and productivity of urdbean
— **DARVIN PAL, ASHISH DWIVEDI, RAGHUVIR SINGH and S.S. TOMAR** 1250

Contd.

Performance of onion under organic sources of nitrogen and <i>Panchakavya</i> — LALITHA KADIRI, G. PRABHAKARA REDDY and V. CHANDRIKA	 1255
Evaluation of organic inputs on soil health, yield, nutrient uptake, quality parameters & economics of tomato — ASHOK KUMAR NANGLIYA, G.P. UPADHYAY and KANWAR SINGH	 1260
Yield, quality and water use efficiency of rainfed mustard in relation to sowing time & moisture conservation practices — BRIJ KISHOR SHARMA, K.S. YADAV and R.L. RAJPUT	 1265
Performance and variability studies of radish (<i>Raphanus sativus</i>) variety under Terai Zone of West Bengal — S. DATTA, D. MAL and K.H. NIMBALKAR	 1269
Effect of moisture conservation practices on growth & yield of finger millet + pigeonpea intercropping system — MALLAREDDY, M.N. THIMMEGOWDA, B.C. SHANKARALINGAPPA, NARAYAN HEBBAL and FAKEERAPPA ARABHANVI	 1273
Effect of organic manures on growth, yield, quality & nutrient uptake of medicinal coleus (<i>Plectranthus forskohlii</i>) — S.S. SARASWATI, A.B. MASTIHLI, AJITHKUMAR S., MUKESH L. CHAVAN and H.T. SAKHUBAI	 1277
Effect of irrigation scheduling & weed management on weed dynamics, water productivity & performance of dry seeded rice — LALIT KUMAR ROLANIYA, VIVEK, AMIT MISHRA, ASHISH DWIVEDI, VIPIN KUMAR, VIVEK KUMAR and MONIKA PUNIA	 1281
Effect of drip irrigation and fertigation levels on growth, yield and water use efficiency of cabbage — DALESHWAR RAJAK, H.K. MITTAL, S.R. BHAKAR, S.S. LAKHAWAT, H.K. JAIN and K.K. YADAV	 1287
Performance of tree legume (<i>Leucaena leucocephala</i>) to rhizobium inoculation alone and along with nitrogen — P.K. BHAGAT, D. DASH, S.B. GUPTA and S. DEOLE	 1292
Changes in soil properties and nutrient availability under continuous cultivation of <i>Bt</i> cotton — M. RANJITH, S. SRIDEVI, M. VENKATA RAMANA and P. CHANDRASEKHAR RAO	 1297
Silicon release characteristics of graded levels of fly ash with silicate solubilizing bacteria and FYM in soil — S.K. PEDDA GHOUSE PEERA, P. BALASUBRAMANIAM and P.P. MAHENDRAN	 1302
Effect of phosphorus, sulphur & PSB on yield & yield attributing characters of pea (<i>Pisum sativum</i>) in Vertisol — RAHUL KUMAR, PRIYANKA SHARMA and P.C. CHAURASIA	 1306
Influence of mulching and fertigation on WUE, FUE and cost economics of Tomato hybrid — BASAMMA K.A., K. SHANMUGASUNDARAM and K. VENKATESAN	 1310
Effect of foliar phosphorus and potassium on yield and quality of banana cv. Martaman — KAUSHIK DAS, S.K. SARKAR, L. DHANABATI and B.C. DAS	 1314
Effects of biogas slurry incorporation on yield and growth attributes of baby corn (<i>Zea mays</i> L.) — LAL CHAND MALAV, SHAKEEL AHMAD KHAN and NAVINDU GUPTA	 1318
Genetic divergence studies in dolichos bean (<i>L. purpureus</i>) genotypes through principal component analysis — AJAY KUMAR VERMA, K. UMA JYOTHI, A.V.D. DORAJEE RAO and R.P. SINGH	 1322
Genetic variability & character association studies in onion genotypes for yield & its attributes during <i>kharif</i> — KUSHAL, M.G. PATIL, S.S. PATIL, Y. PAMPANNA and K. KAVITA	 1325
Effect of waterlogging on nutrient uptake, growth, yield and yield components of wheat varieties under sodic soil — MUBEEN, A.H. KHAN, S.P. SINGH, A.K. SINGH, R.K. YADAV, ANANAD RAHUL GAUTAM and SHISHIR SINGH	 1328
Use of geotextile for improving crop productivity on chilli in coastal saline soil of West Bengal — M. SARDAR, S.K. DE, P.K. TARAFDAR, A.P. MAHATA and M.K. MANDAL	 1333
Impact of mulching and sub-soil biomassing on quality of mulberry leaf by using local perennial tree leaves — SHIVANANDA S. ADMANI, GEETHA DEVI T., HARISH BABU S. and VASUDHA PRABHAKAR K.	 1336
Growth characters of grass fodder cowpea mixtures as influenced by row ratio — M.R. ANITA and S. LAKSHMI	 1340

Contd.

Evaluation of different varieties in respect of plant growth, flowering and sex expression of watermelon (<i>Citrullus lanatus</i> T.Mansf) under north Gujarat condition	
— S.G. MORE, V.R. CHUDASAMA, H.S. BHADURIA, G.S. TEKALE and S.V. SAVALE	 1344
Response of drip irrigated cabbage to polyethylene mulch	
— M.U. KALE, J.N. LOKHANDE, S.B. WADATKAR and G.S. PAWAR	 1347
Effect of different source & rate of fertilizer application through drip irrigation on yield & nutrient budgeting in aerobic rice	
— REKHA B., H.M. JAYADEVA, GURURAJ KOMBALI, GEETHA KUMARI A. and C.M. MUNIRATNA	 1350
Study on effect of canopy parameters and acid treatment on gum quality extracted from <i>Acacia nilotica</i> (babul) tree	
— B.L. JANI, B.M. DEVANI, D.K. GOJIYA and D.M. VYAS	 1353
Growth and reproductive performance of white mice (<i>Mus musculus</i> L.) as influenced by pigeonpea (<i>Cajanus cajan</i>)	
— N.C. TANQUILUT, G.C. SANCHEZ, M.C.B. GOPES, R.N. TAPNIO, M.R.C. TANQUILUT, H.M. SORIANO, M.G. MULA and R.P. MULA	 1357
Synthesis and characterization of nano-lime for effective reclamation of soil acidity	
— BHARGAVA RAMI REDDY CH and K.S. SUBRAMANIAN	 1361
Development of conjunctive use crop planning model for Jaisamand command area	
— PRAVIN DAHIPHALE, P.K. SINGH and K.K. YADAV	 1365
Thin layer drying behaviour and kinetic model evaluation of stevia (<i>Stevia rebaudiana</i> B.) leaves	
— MANOJ BANSAL, GAGANDEEP KAUR and SANDEEPPAL KAUR BRAR	 1370
Effect of pre-treatments (blanching and soaking) on potato (<i>Solanum tuberosum</i> L.) French fries	
— A.M. ARYA, S. CHANDRA, Y.B. KALNAR and S. SINGH	 1376
Development and evaluation of ready-to-fry frozen potato legume based <i>shammikebab</i> : A vegetarian substitute	
— SUKHPREET KAUR and POONAM AGGARWAL	 1380
Effect of moisture content on engineering properties of custard apple (<i>Annona squamosa</i> L.) seeds	
— V.P. KAD, H.G. MORE, S.M. NALAWADE and V.L. KANAWADE	 1385
Standardization of drying techniques for leaves of pipal (<i>Ficus religiosa</i>), banyan (<i>Ficus bengalensis</i>) and silver oak (<i>Grevillea robusta</i>)	
— DOMBEWARISA S. MARAK, S. CHAKRABARTY (DAS) and L.J. SINGH	 1388
Comparative performance of some silkworm, <i>Bombyx mori</i> L., hybrids during different seasons under Kashmir climatic conditions	
— S. NOORULDIN, SHABIR A. BHAT, M.A. MALIK, I.L. KHAN and K.A. SAHAF	 1392
Population dynamics of rice plant hopper, <i>Nilaparvata lugens</i> (S.), <i>Sogatella furcifera</i> (H.) & their natural enemies in lowland conventional and organic farming	
— YASPAL SINGH NIRALA, GAJENDRA CHANDRAKAR, SANJAY SHARMA, CHANDRAMANI SAHU and SANJAY KUMAR GHIRTLAHRE	 1396
Influence of dates of transplanting on the occurrence of insect pests of onion	
— G. SURESH, N. SUSHILA, A.G. SREENIVAS, A. NAGANAGOUD and Y.S. AMARESH	 1401
Field evaluation of <i>Bacillus subtilis</i> against <i>Meloidogyne incognita</i> race 2 in okra, <i>Abelmoschus esculentus</i> (L.) M.	
— SUBHALAXMI ROY, K. ROY and A. PRAMANIK	 1405
Impact of participatory approach in management of watershed practices in Micro-watershed Mainabasai in Morena District of Madhya Pradesh	
— ANIL KULSHRESTHA, S.K. SEN, Y.K. SINGH and A.K. GUPTA	 1408
— AUTHORS INDEXING	 1411
— KEYWORDS INDEXING	 1415
Strategic Vision : 30	
Global climate change: A threat for potato production	
— J.S. MINHAS and PRINCE KUMAR	