



ISSN 0974-0775

# GREEN FARMING

International Journal of Applied Agricultural & Horticultural Sciences  
(Abbr. *Green Farming Int. J.*)

Volume 2

Number 5

September-October 2011 (New Series)

Bimonthly

## CONTENTS

Previous Issue :

Vol. 2, No. 4, pp. 379-504

Response of chickpea ( <i>Cicer arietinum L.</i> ) to different sources of organic fertilizers under Philippine condition <b>F.R. GONZALES, M.G. MULA, R.P. MULA, P.M. GAUR and A. RATHORE</b>	..... 505
Study of inheritance of fertility restoration in pigeonpea lines derived from <i>Cajanus cajanifolious</i> <b>S.L. SAWARGAONKAR, I.A. MADRAP and K.B. SAXENA</b>	..... 510
Isolation of superior segregants in single and double cross advanced generations of bhendi ( <i>A. esculentus</i> ) <b>P.I. GANGASHETTY, P.M. SALIMATH, H.B. HALESHKUMAR, L. SEKHAR and TALIKOTI MAHANTESH</b>	..... 513
Evaluation of biochemical composition of <i>desi</i> and <i>kabuli</i> chickpea ( <i>Cicer arietinum L.</i> ) genotypes <b>ATUL PANKAJ, PRATIBHA SINGH and R.P. SINGH</b>	..... 516
Heterosis and combining ability studies for growth and quality parameters in cucumber ( <i>Cucumis sativus L.</i> ) <b>IRANNA BATAKURKI, RAVINDRA MULGE, MANJULA KARADIGUDDI and V.D. GHASTI</b>	..... 521
Effect of organic manures, biofertilizers, panchakavya and neem products on rice yield under sodic soil <b>S. AVUDAITHAI and S. SOMASUNDARAM</b>	..... 524
Residual effect of nitrogen management on yield and uptake of ratoon banana <b>K.B. PATIL, U.S. KUDTARKAR and S.V. DESHMUKH</b>	..... 527
Verification of yield targetting equations with and without organic matter for optimization of yield of pigeonpea <b>R.D. GAIKWAD, P.R. PATIL, N.K. MEDHE and V.A. MANE</b>	..... 530
Response of golden rod ( <i>Solidago canadensis L.</i> ) to different planting dates and GA <sub>3</sub> concentrations <b>SHARAD S. GAIKWAD, SAGAR J. PATIL and PANKAJ P. BHALERAO</b>	..... 533
Micropropagation studies in sarpagandha ( <i>Rauvolfia sepeentina L.</i> ) <b>S.U. KOSKEWAR, D.S. PATIL, N.S. PARDE, S.J. THOKALE and S.V. PAWAR</b>	..... 537
Optimization of size of cutting and growth regulators for clonal propagation of noni - A medicinal plant <b>D. SRIKANTAPRASAD, M. VASUNDHARA and T.N. PUSHPA</b>	..... 540
Yield and seed production of bell pepper as influenced by Azotobacter and nitrogen levels <b>R.P. GAJBHIYE, SHRUTI WANKHEDHE and G.R. MUNDE</b>	..... 543
Influence of organic fertilizer & different levels of sulphur on growth, yield & quality of clusterbean ( <i>C. tetragonoloba</i> ) <b>V.S. BAVISKAR, H.S. DAMAME, V.C. RAJ and P.G. SHETE</b>	..... 546
Performance of onion genotypes for growth and yield parameters under Akola conditions <b>N.D. JOGDANDE, R.P. GAJBHIYE and G.B. GANVIR</b>	..... 548
Effect of various concentrations of GA <sub>3</sub> & soaking period on seed germination of custard apple ( <i>Annona squamosa</i> ) <b>V.R. GHARGE, A.S. KADAM, V.K. PATIL, S.K. LAKADE and P.A. DHOMANE</b>	..... 550
Response of okra to different drip irrigation & mulching treatments <b>P.D. KHAMBAL</b>	..... 552
Irrigation and fertigation studies on sweet corn ( <i>Zea mays saccharata</i> ) <b>S.A. PATIL and U.V. MAHADKAR</b>	..... 554
Evaluation of eco-friendly pest management modules against brinjal shoot and fruit borer, <i>Leucinodes orbonalis</i> <b>K.D. SHAH, T.M. BHARPODA and R.C. JHALA</b>	..... 556
Integrated management of gram pod borer, <i>Helicoverpa armigera</i> (Hubner) <b>T.B. UGALE and N.R. TOKE</b>	..... 561

Contd. ....

<i>In vitro</i> evaluation of different fungicides, plant extracts and bio-agents against <i>Alternaria alternata</i> causing leaf blight of cowpea ( <i>Vigna unguiculata</i> )	
<b>D.S. THaware, P.A. FUGRO, Y.T. JADHAV, S.V. MAGAR and R.A. KARANDE</b>	..... 563
Efficacy of fungal bioagents in managing wilt of safflower	
<b>B.P. KURUNDKAR and S.B. MAHAJAN</b>	..... 567
Efficacy of fungicides, bioagents and plant extracts against leaf blight of Gladiolus incited by <i>Alternaria dianthicola</i>	
<b>T.V. PATIL, M.P. DIWAKAR and D.K. JADHAV</b>	..... 571
Physiological studies of <i>Alternaria</i> blight of Indian mustard caused by <i>Alternaria brassicicola</i> /L.	
<b>RAM CHANDRA KUMAWAT, A.C. MATHUR and G.L KUMAWAT</b>	..... 574
Management of <i>Piper longum</i> (L.) disease complex with bio-agents, organic amendments and chemicals	
<b>Y.V. INGLE, S.S. MANE and V.P. PARDEY</b>	..... 577
Evaluation of resistance inducing agents and cow products on <i>Curvularia lunata</i> , a causal agent of grain discolouration in rice	
<b>K. SUMANGALA, M.B. PATIL and D. SRIDHAR</b>	..... 579
Evaluation of various bioagents against <i>Pyricularia oryzae</i> cavara, the incitant of rice blast	
<b>N.M. GOHEL and H.L. CHAUHAN</b>	..... 582
Bio-efficacy of botanicals against leaf blight of tuberose ( <i>P. tuberosa</i> ) caused by <i>Alternaria alternata</i> <i>in vitro</i>	
<b>N.K. GAJRE and D.M. JOSHI</b>	..... 584
Optimal irrigation planning for a command area of Som-Kagdar Irrigation Project, Rajasthan	
<b>VAISHALI V. Dhole, MAHESH KOTHARI and R.C. PUROHIT</b>	..... 586
Economic analysis of citronella oil processing unit - A value addition	
<b>J.S. KUMBHAR, S.B SAPKAL and S.D. PATOLE</b>	..... 591
Performance evaluation of tractor mounted rotavator	
<b>P.B. KADAM, V.D. BIWAL, H.T. MAHALE and S.S. DEORE</b>	..... 593
Performance evaluation of the improved tractor drawn weeder	
<b>A.B. LENDE, R.V. SANGLIKAR, P.B. KADAM and S.M. NALAWADE</b>	..... 596
Resource use efficiency and gender issues in contract farming of gherkin under Agri – Export Zone in Tumkur dist.	
<b>K.R. NETHRAYINI, L.B. KUNNAL and V.R. NAIK</b>	..... 598
Effect of supplementing probiotics on growth performance of indigenous calves	
<b>R.S. WANIS, S.D. CHAVAN, R.R. SHELKE, and K.U. BIDWE</b>	..... 601
Performance of different mountages for spinning of silkworm cocoons in silkworm, <i>Bombyx mori</i> L.	
<b>AMARDEV SINGH and SHAMIM AHMED BANDEY</b>	..... 605
Effect of 'Serifeed' a feed supplement on the commercial traits of silkworm, <i>Bombyx mori</i> L.	
<b>M.D. ANANDA KUMAR and ANN SANDHYA MICHAEL</b>	..... 609
Field performance of double hybrid in non – traditional sericultural district of Koppal in Karnataka	
<b>M.T. HIMANTHARAJ, A. UMESHA and JAISHANKAR</b>	..... 612
Growth and instability in production and export of major spices of India : An economic analysis	
<b>S. SAKAMMA and G.S. ANANTH</b>	..... 615
Effect of lignite humic acid and NPK application on the yield and NPK uptake by cotton	
<b>K. DHANASEKARAN</b>	..... 618
General development of Maharashtra : A threat to the forest and environment	
<b>B.V. PAGIRE, H.R. SHINDE and S.D. PATOLE</b>	..... 621
Policy and design issues in water harvesting system : A review	
<b>VIKAS KUMAR SINGH</b>	..... 624
Involvement of farm women in agriculture extension programme	
<b>SUPRIYA K. DESHPANDE, V.D. RAUT and D.D. RAUT</b>	..... 629