

GREEN FARMING

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

Volume 4 Number 4 July-August 2013 Bimonthly

Previous issue: **CONTENTS** Vol. 4, No. 3, pp. 253-394 Research Papers Isolation of superior segregants for yield & yield related traits in F₂ & F₃ populations of blackgram (Vigna mungo) BASAMMA KUMARI, P.M. SALIMATH, MALAGOUDA PATIL and BIRADAR SUMA 395 Effect of taxonomic lineage on the performance of RIL populations in groundnut (Arachis hypogaea L.) T.P. MUHAMMED AZHARUDHEEN and M.V.C. GOWDA 400 Combining ability analysis of yield and yield components in linseed (Linum usitatissimum L.) N.R. SHAIK, M.P. REDDY and J.J. MAHESHWARI 405 Genetic variability & selection criteria of linseed for seed yield & it's components under irrigated field conditions VEENA BHATNAGAR and S.S. PUNIA 409 Combining ability analysis for grain yield and its quality traits in aromatic rice (Oryza sativa L.) 412 N.R. KOLI, S.S. PUNIA and B.L. KUMHAR Studies on genetic variability, correlation & path analysis for yield component traits in linseed (Linum usitatissimum) B.T.ARSUL, M.P. REDDY, C.V.C.M. REDDY and P.B. GHORPADE 415 Quantitative genetic analysis of inbred lines for development of heterotic hybrids in maize (Zea mays L.) V. HANUMANTH NAYAK and RAJESH SINGH 418 Comparative performance of pearl millet [Pennisetum glaucum (L.) R. Br.] composite variety MBC-2 with other varieties in drier part of Rajasthan, Gujarat and Haryana S.R. KUMHAR, B.S. RAJPUROHIT and B.R. CHOUDHARY 421 Heterosis studies in ash gourd (Benincasa hispida) for yield and yield contributing characters 424 M. MANIKANDAN, V. RAJASHREE, C. CIBA and S. PRANEETHA Studies on genetic divergence in relation to choice of parents for drought tolerane in cotton (G. hirsutum) 427 S. RATNAKUMARI, S. BHARATHI and MRIDULA GEORGE Correlation studies in early and medium maturing advanced potato (Solanum tuberosum L.) hybrids N. SANTHOSH, K.M. INDIRESH and G.N. THYAGARAJ 430 Effect of NPK fertilizers applied to pearlmillet on the basis of soil test values N.I. PATEL, J.J. PATEL, CHATRA RAM and J.M. SUTALIYA 433 Effect of compaction, irrigation & sulphur on yield, nutrient content, uptake & quality of mustard in loamy sand soil K.K. SHARMA, B.L. KUMAWAT, S.R. SHARMA and L.R. DHAYAL 438 Macronutrient status of soils from Basmat tahsil in Hingoli district 443 - S.S. MORE, S.L. WAIKAR and S.E. SHINDE Effect of time of sowing and groundnut cultivars under irrigated conditions of Southern Agro-climatic Zone of Andhra Pradesh during early kharif G. KRISHNA REDDY, A. MUNEENDRA BABU, P. MAHESWARA REDDY and T. GIRIDHARA KRISHNA 446 Effect of integrated nitrogen management on dry matter, seed yield, oil yield and economics of safflower 449 B. RAJU and P. CHANDRASEKHAR RAO Distribution of DTPA extractable micronutrients in soils of Northern Telangana region of Andhra Pradesh M. RAM PRASAD and V. GOVERDHAN 452 Efficacy of formulations of briquettes containing nitrogen, phosphorous & potassium on yield & nutrient uptake by rice MEENAL BAGAL and N.H. KHOBRAGADE 455 Delineation of copper and manganese status in soil of Banswara district (Zone IV-B) of Rajasthan 458 R.S. MEENA, A.K. MATHUR and S.K. SHARMA Comparative performance of tomato hybrids under partially and fully controlled polyhouse in Saurashtra region of Gujarat — GIRIRAJ JAT, D.V. DELVADIA and T.R. AHLAWAT 461

Bunch stem necrosis in <i>Vitis vinifara</i> L. in response to nutritional imbalance — T.S. MUNGARE, J.N. KALBHOR, P.B. TAWARE and J.M. KHILARI	464
Effect of foliar application of nutrients on fruit size, yield and quality of sapota — P.H. KAMBEKAR and K.H. PUJARI	468
Effect of organic manure and bio-fertilizers with graded dose of NPK on growth, flowering and fruiting of aonla — SHASHIBALA, VIKAS RANJAN CHAUDHARY and H.S. SHUKLA	472
Effect of <i>Azotobacte</i> r biofertilizer & vermicompost on yield & quality of different mulberry varieties under rainfed condition — P. SOWMYA, T. GEETHA DEVI, S. HARISH BABU and K. VASUDHA PRABHAKAR	475
Production potential of clusterbean as influenced by thiourea under different agro-ecological situations — O.P. MEENA, K.D. KHIRIYA, M.L. REGAR, R.S. MEENA and C.P. MEENA	480
Effect of sewage water on the germination and seedling growth of some pulses — P.K.AMBIKA, S.R.AMBIKA and GOVINDAIAH	483
Varietal response of European carrots (<i>Daucus carota</i> L.) to various sowing systems in trans-Himalayas — M.S. KANWAR	486
Biopriming of cucumber seeds with <i>Trichoderma harzianum</i> and <i>Pseudomonas fluorescens</i> for enhanced plant defense against <i>Pythium aphanidermatum</i>	
T. SIVASANKARI DEVI and M.K. SHIVAPRAKASH	489
Effect of different media and pH range on growth and sporulation of <i>Colletotrichum lagenarium</i> of little gourd — S.N. GUMME, U.A. GADRE, S.C. RITE, R.A. KARANDE and A.V. SAWANT	493
Effect of neem based formulations against budfly (<i>Dasyneura</i> lini) infestation, grain yield, economics & oil content on linse — S.M. ALI HUMAYUN, R. GUPTA, G. CHANDRAKAR and N. RANA	ed 496
Effect of moisture content on performance of sunflower seed decorticator VIKAS L, ARUN KUMAR. P, K.S. RAJASHEKARAPPA and K.N. HANUMANTHARAJU	499
Performance evaluation of zero energy cool chamber — S.A. VENU, G. SENTHIL KUMARAN and K.N. HANUMANTHA RAJU	502
Impact of watershed programme on groundwater recharge, crop productivity and socio-economic status of farmers in Malagi watershed — CHANDRU PATIL, B.S. SHIVAKUMARA and K.S. NIRANJANA	505
Effect of period of ethylene gas exposure on ripening behaviour of banana cv Safed Velchi — PRITAM V. HIRAVE, PRADIP P. RELEKAR and KESHAV H. PUJARI	509
Effect of different drying methods and packaging material on mineral composition of drumstick (<i>Moringa oleifera</i>) — SONAL DALVI, RASHMI PATIL, G.N. KORAKE, R.G. KHANDEKAR and P.M. HALDANKAR	513
Preservation of mango fruit (<i>Mangifera indica</i> L.) cubes by hurdle technology — R.G. BURBADE and S.C. JADHAV	517
Studies on preparation and storage of unfermented beverages of karonda (<i>Carrisa congesta</i> L.) fruits — VIDYA MHAPRALKAR, P.P. RELEKAR, P.M. HALDANKAR, K.H. PUJARI and D.J. DABKE	520
Evaluation of different mulberry genotypes on economic parameters of silkworm <i>Bombyx mori</i> L. supplemented with standardized feed additive	523
— K. VASUDHA PRABHAKAR, T. GEETHA DEVI, GOLIVE PRASANTHI, S. HARISH BABU and P. SOWMYA Application of amendments to improve sodic vertisols of Purna valley (Vidarbha) for growing cotton	
— V.P. BABHULKAR, PADMAJA H. KAUSADIKAR and OMMALA D. KUCHANWAR	526
Short Communications	
Effect of dry sugar on osmodehydration of sapota (Manilkara achras (Mill) Foseberg) — P.P. RELEKAR, A.T. JADYE and S.S. TORANE	528
Effect of pre-soaking treatments on the growth and success of softwood grafting in mango — S.N. KOLEKAR and A.M. PATIL	530
Effect of foliar spray of water soluble fertilizer on yield & physiological attributes of chilli hybrid (<i>Capsicum annuur</i> — N. DEEPA DEVI and A. SHANTHI	n) 532
Feeding and breeding management practices adopted by the dairy animal keepers of Southern Rajasthan — UPENDRAKUMAR and N.S. DAHIYA	535
Strategic Vision : 16	
Soy Yoghurt: An emerging nutraceutical: Jai Singh and Dinker Singh Back	k Inner Page