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Volume 7 Number 1 January-February 2016 **Bimonthly** Previous issue: **CONTENTS** Vol. 6, No. 6, pp. 1168-1420 Research Papers Combining ability & heterosis studies for yield & component traits in forage sorghum (Sorghum bicolor (L.) M.) PANKAJ KUMAR and P.K. SHROTRIA1 Genetic variability studies in F₂ and F₃ population of groundnut (Arachis hypogaea L.) D.N. VINUTHA, D.L. SAVITHRAMMA, B.N. JAGADEESH and A. VIJAYABHARTHI8 Genetic analysis for yield and its traits in medium duration rice (Oryza sativa L.) germplasm accessions A.K. SARAWGI, G.C. OJHA, NIDHI KOSHTA and ATUL PACHAURI13 Generation mean analysis of yield and yield components in Yellow sarson (Brassica rapa ssp. yellow sarson) SURENDRA SINGH, D.P. PANT and NITIN KUMAR18 Assessment of genetic diversity in soybean (Glycine max(L.)M.) using morphological and molecular markers 22 VARUN KUMAR BADAYA, B.S. GILL and ASMITA SIRARI Combining ability analysis for fruit yield and quality traits in tomato (Solanum lycopersicum L.) L.B. BASAVARAJ, D.G. VILAS, SHIVAPPA M. KARADI, D.R. VIJAYAKUMAR, G.C. NAGESH and P.K. RESHMIKA........ 26 Principal component analysis of yield attributing traits in inter subspecific RILs of rice (Oryza sativa L.) PRABHA R. CHAUDHARI, D.K. MISHRA and G.C. OJHA 31 Evaluation of maize hybrids with their parental lines for seed germination & subsequent seed quality parameters M. NEGI, D.C. BASKHETI, S.S. VERMA and S.S. BHATT 35 Influence of high density seed on yield and its attributing traits in rice KEYA DEBNATH, APARAJITA DAS, BIMAL DAS and K.K. SARKAR 40 Phenological development & yield of wheat cultivars under different crop growing environment & irrigation schedules T.N. THORAT, K.K. AGRAWAL and MANISH BHAN 44 Efficacy of Azolla as a co-substrate of cow dung for manurial enrichment of biogas slurry BISHNU PRASAD PAUDEL and JAYASREE SANKAR S. 50 Alternative tillage: Genotypes and crop residue management effects on soil, yield & water productivity of wheat PARDEEP KUMAR, R.K. NARESH, AMIT KUMAR, ASHISH DWIVEDI, KOMAL YADAV and TESHU KUMAR 57 Effect of sewage waters on production and quality of various forage crops under different nitrogen levels B. SRINIVAS, M. SHANTI and T. SATISH KUMAR 63 Fertilizer recommendations based on targeted yield concept involving INM for hybrid maize in rainfed midlands of Bastar RAKESH MANDAL, G.K. SHARMA, V.N. MISHRA, S.K. PATIL, L.K. SRIVASTAVA and D.S. THAKUR 69 Effect of green manuring on growth, yield, quality & nutrient availability in soil under different fertility levels of sweet corn DIPAK H. PATEL, H.M. PATEL and D.D. PATEL 74 Phosphorous fractions in calcareous soils with addition of P-fertilizers ARYA LEKSHMI V. and S.L. BUDIHAL 79 Assessment of biocompost for chemical fertilizers substitution by monitoring, productivity and quality of potato and soil properties 84 U.P. SHAHI, MAMTA, ASHISH DWIVEDI, B.P. DHYANI, ASHOK KUMAR and YOGESH KUMAR Impact of bioinoculant enriched compost on soil chemical & biological properties in the Western Ghats region of Kerala APARNA BALASUBRAYANIAM, GEETHALEKSHMI P.R. and R. GLADIS 90

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Biofuel as eco-friendly renewable energy approach

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