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WORTH SEEN ACTIVITY

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Production and Demonstration of Biocontrol agents at BRIATS

This programme is limited to the Management of Plant Parasitic Nematodes and other pests through Bio-control Agents aiming to Eco-friendly Integrated Pest Management in vegetable crops. It has proved sustainable method to overcome the plant parasitic nematode problems, resulting increase in yield of vegetable crops grown in Eastern U.P. This approach has shown significant effect and empowered the farmers with knowledge and management tools to minimize nematode infestation and thereby enhancing the productivity of vegetable based cropping system. This was successful through the organization of audio/video programmes.

Application of Neem Seed Powder, *Trichoderma viridi*, *Aspergillus. niger*, Bionema and Bioderma were found effective for reducing root -knot nematode and other parasitic nematodes infestation and for increasing production of vegetable crops.

Farmers of the target areas were totally unaware about the problems related to nematodes and their management. About 50% disease infestation could be reduced through organizing awakening programmes among the farmers and by using these bio-control agents. Mass production of bio-control agents and antagonistic fungus has shown effective management options against nematodes and many other diseases. BRIATS is trying to produce some more bi-control agents for the pest management, which should be feasible under Indian conditions and acceptable to Indian farmers.

Invitation for participation in Kisan Training Programme on National Bureau of Agriculturally Important Micro-Organisms, Mau, U.P. on 1st June 2015

Dr. B.K. Dwivedi, Director, BRIATS, Allahabad participated in the Farmers Training Programme on 1.6.2015 as a Chief Guest organized under the auspices of National Bureau of Agriculturally Important Micro-Organism (NBAIM) Mau, U.P. Dr. B. K. Dwivedi pointed out that most of the



farmers are using chemical pesticides and fertilizers at larger scale due to their ignorance.

He further stressed that there are nine enemies insects of paddy and 24 of beneficial insects. Farmers kill 24 beneficial insects by spraying most poisonous and hazardous insecticides without proper identification of the insects and diseases of crops. Most of the nursery plots of paddy are being infested with Ecto-parasite i.e. nematode *Hirschmanniella oryzae* but most of the farmers knew that their nursery plants are being infested with bacterial blight or having zinc deficiency. Therefore, mass production of micro-organisms i.e antagonistic fungus, Rhizobium and beneficial bacteria will be very helpful for the benefit of farmers not only for Eastern U.P. farmers but other farmers also. Dr. B.K. Dwivedi appreciated the activities of Dr. A.K. Sharma Director, Dr. S.K. Sharma, Principal Scientist, Dr. Alok Srivastava and Dr. D.P. Singh Scientist of NBAIM for dissemination of developed technology at grass root levels for the benefit of farmers. Dr. Dwivedi also demonstrated different need based eco-friendly technologies i.e lac, Pearl, Spirulina, Medicinal plants, value addition, Bio-resource and Agri-waste materials with joint use of lac, available in each and every village free of cost for self employment and additional income generation. Dr. A. Sharma, Director NBAGR, Karnal also expressed his view on this occasion.

Invitation from M.G.C.G.V., Chitrakoot (MP)

Dr. B.K. Dwivedi, Director, BRIATS was invited as a Guest Speaker at M.G.C.G.V., Chitrakoot (MP) in the National Seminar organized on “Increasing Social and Religious Conflicts and their solution and Role of Universities” on 3.6.15. This was organized by Forum for Awareness of National Security. Dr. B.K. Dwivedi pointed out that coming conflicts will be for water, oxygen providing plants, soil and eco-friendly products because these natural resource are being degraded day by day due to negligence of the masses of the society for immediate and quick

gaining. Therefore more emphasis should be done for natural resources conservation. Each and every religion of the world has given



clear cut message for natural resources conservation for welfare of human beings but unfortunately some so called persons are planning and creating conflicts among the different religious persons for some immediate personal gaining and obtaining false reputation among them. Dr. V.S. Singh, Organizing Secretary welcomed the participants of the seminar and Mr. Indresh Kumar inaugurated the seminar. Air Marshal Dr. R.C. Vajpai presented key note address, Mr. Farooq Khan, Former I.G. J & K, Ram Prakash Mishra, M.P. presented their views on this occasion. Dr. N.C. Gautam, VC, MGCGV, Satna presided over the function. Dr. Umesh Kumar Shukla, Convener, presented vote of thanks to the participants.

Environment Day Celebration

The Environment Day was celebrated on 4.6.2015 (in the pre-evening of World Environment Day 5th June 2015), which was organized by i next News paper and Global Green .Many organizations related to Environment joined this function and the officers from all the organizations stressed on the importance of Environment and its Protection. Chief Guest Dr. B.K. Dwivedi, Director, BRIATS expressed deep concern on the environmental safety and stressed on the plantation and cultivation of lac on different lac host plants. The different organizations, which joined this function were Sneh, Matreyi, Many Media persons Forum of India, Jagat Kala Welfare Society, and Sneh Welfare and Education Society. Shri Hanuman Prasad, Co-ordinator, Karmchari Shikshak Samanvay Samiti, Allahabad expressed vote of thanks to all the guests and organizers.



Invitation to Attend 3rd Uttar Pradesh Science Congress

Dr. B.K. Dwivedi, Director, BRIATS was invited to attend 3rd Uttar Pradesh Science Congress on 14.6.2015, which was organized by UPCAR, Lucknow, SHIATS, Allahabad and UPAAS at SHIATS, Allahabad. The main topic of this Congress was “Strategic Governance and Technological Advancement for Sustainable Agriculture”. The congress was inaugurated on 14.6.2015 by the Shri Paras Nath Yadav, Minister of Horticulture U.P. Government and presided over by Mr. Rajeev Kumar Singh, Minister of Agriculture U.P. Government at the auditorium of



SHIATS in the presence of Dr. Rajendra kumar, DG, UPCAR; Dr. R. B. Lal, VC, SHIATS; Dr. Kriti Singh, EX-VC; Dr. H.S. Gaur, VC; Dr. M.P. Yadav, Secretary, NAAS, Dr. A.C.



Varshney, VC, DUVASU, Dr. Anwar Alam, Former VC, SKUAT, Kashmir, Dr. J.K. Jena, Director, NBFGR, Lucknow, Dr. R. K. Mittal, VC, RAU, PUSA and many famous dignitaries. On 16th June, 2015, Dr. B.K.

Dwivedi, Director, BRIATS delivered a lecture on the cultivation of lac and its value addition and scope of job opportunities for poor and marginal farmers. The activities of BRIATS was appreciated by most of the dignitaries present over there. Dr. Dwivedi was honoured with memento, shaal and certificate on 16th June, 2015 during valedictory session, where Governor of U.P. Shri Ram Naik was the Chief Guest.

Organization of Training Programme on Lac Cultivation and Value Addition

A training programme of one week was organized at Bioved Krishi Prodyogiki Gram Moharab, Sringerpur, Allahabad from 8th June to 17th June 2015, on scientific method of lac cultivation and use of lac as value addition. A total of 50 trainees from U.P., Maharastra, and M.P. attended this programme, which they successfully completed. Its valedictory session was organized in the evening of 17th June, 2015, where Dr. R.C. Chaudhery, Chairman, Participatory Rural Development Foundation, Gorakhpur was the Chief Guest. Dr. Chaudhary gave a lecture on the importance of lac before the trainees and appreciated all the activities being done at BRIATS at its Headquarter and at Sringerpur. The trainees were given a certificate for their successful completion of the training programme. Dr. B.K. Dwivedi, Director, BRIATS expressed his thanks to Dr. Chaudhary and congratulated all the trainees. BRIATS provided all the bits Bhatti, button lac, decorative items, base materials, colour and utensils for establishing training-cum-production centre at their villages.



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