



Bioved News Letter

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Strengthening and Modernization of Integrated Pest Management approaches at BRIAT

Bioved Research Institute of Agriculture and Technology, Allahabad has established its experimental centre at Bioved Krishi Prodyogiki Gram, Moharab, Sringerpur, Allahabad regarding pest management on different aspects viz.

- Mass production of *Trichoderma*, *Kalisena* and *Pseudomonas fleuroscens*
- Mass production and formulation of *Steinernema masoodi* and *S. seamae*
- Mass production, storage and field release of egg parasitoids
- Management of plant parasitic nematodes

In a survey made in different districts of U.P., BRIAT has observed that only 1.08% farmers are aware about the nematode problems, while 76-100% losses are caused due to plant parasitic nematodes in their fields. Such nematodes are microscopic organisms, which can not be seen with naked eyes. Different awakening and demonstration programmes on nematode problems were organized by a team of scientists of BRIAT on the farmer's field, where farmers were shown nematodes on infested roots and in soil samples with CCD camera. After being convinced, the concerned farmers adopted integrated nematode management practices to save their crops. BRIAT started training programmes to train unemployed youths and established Plant Health Clinic at block levels, where 450 unemployment youths were trained. BRIAT has also developed plant protection kit for spot identification of different pests and diseases of major food crops and their adoptable management practices. Continuous efforts are being made to develop suitable eco-friendly and low cost technology for pests and disease management.

Farmer's visit to BRIAT

About 100 farmers from M.P. visited BRIAT on educational tour on 18/02/2015. Dr. B.K. Dwivedi, Director, BRIAT explained them about hitech farming viz. Lac, Pearl, Spirulina, Integrated Fish-Duck-Dairy & Nursery farming etc. Lac cultivation and utilization of lac as value addition in different products



made up of wood, glass and fibers. All these farmers were shown the use of lac as value addition being done in the workshop of BRIAT. They



had exposure to the laboratories and library of BRIAT.

Organization Of 17th Indian Agricultural Scientists and Farmer's Congress

17th IASFC was organized on “Agri-Innovation for Enhancing Production and Rural Employment” on 21-22 February, 2015 at Bioved Krishi Prodyogiki Gram Moharab, Sringverpur, Allahabad. Its Inaugural Session was organized on 21st February, 2015. The Chairman of The Inaugural Session, Dr. Akhtar Haseeb, Vice-chancellor, NDUAT, Faizabad said that small innovation can contribute a lot in the agricultural production. He further opined that the cultivation and processing of lac has great potential of income. He also advised the farmers present during the session to know and follow the requirement of the sanitary and phytosanitary measures of WTO to make their produce more exportable in the

global market.

The Chief Guest of the Inaugural Session, Prof. Peeyush ranjan Agrawal, VC, V.B.S. Purvanchal University said that vast areas in various manufacturing organization are lying unutilized or underutilized. It must be brought for productive use particularly for agricultural purposes .Dr. Agrawal expressed serious concern over the degrading quality of ground water. He further said that innovation have infinite potential for enhancement of production and productivity in various productive sectors of country.

Dr. A.K. Singh, V.C., BCKVV, Nadia, West Bengal; Dr. C. Kole, V.C., Bidhan Chandra Krishi Viswavidyalaya; Dr. Seema Wahab, Former Advisor, DBT; Dr. S.W. Akhtar, V.C., Integral University, Lucknow; Dr. A.C. Varshney, V.C., U.P. Pandit Deen Dayal Upadhyay Pashu Chikitsa Vigyan Vishwavidyalaya Evam Go–Anusandhan Sansthan, Mathura; Dr. N.C. Gautam, V.C., M.G.C.G.V., Chitrakoot; Dr. Bangali Baboo, Former National Director, NAIP and Shri Rajiv Jaitely, A.G.M. NABARAD Allahabad expressed their opinion on the positive points of Agri-innovations. About 250 delegates and 350 progressive farmers were present on this occasion, who actively participated in the conduct of session.

A Souvenir containing 164 research abstracts and a book entitled “Agri-innovation in India” was released during Inaugural Session. Bioved Research Society conferred its most prestigious Bioved Sangam Ratna Award, 2015 to Prof. Peeyush Ranjan Agrawal, VC, V.B.S. Purvanchal University Jaunpur. Next prestigious award Bioved Ratna Award 2015 was given to Prof. Akhtar Haseeb, Vice-chancellor, NDUAT, Faizabad; Dr. S.W. Akhtar, V.C., Integral University, Lucknow; Dr. S.S. Mishra, Former, P.S.& Head CPRI Shimla and Dr. R.R. Hanchinal, Chairperson, PPVFRA, Ministry of Agriculture, GOI. Bioved Research Society also honoured leading scientists of the country with its Bioved Honorary Fellow Award, Scientist of



The Year Award, Young Scientist Associate Award , Young Scientist Award, Bioved Fellow Award, Best Agri- Innovation Award, Medals, Best Paper Presentation Award, Bioved Best Product Award and Bioved Farmer Award.

Earlier Dr. S.D. Mishra, President, Bioved Research Society welcomed all the guests, Chairman and Chief Guests of the session and all the participants of the congress. He said that innovation must be the top most priority of the research organization and manufacturing units. It can boost the production of various economic sectors of the country. Dr. Mishra said that agriculture is the backbone of the country. Efforts are to be made to popularize suitable, feasible and easily acceptable Agri-innovative approaches in the rural areas to increase production through adoption of appropriate technologies and economic activities for self employment in rural areas. There is need to exploit and adopt new agri-innovation leading to increase production, generate employment and overall development of the country. To increase the Agricultural production for solving the food problem of rising population, there is need of great scientific thinking and planning because our farming land is limited. This is up to some extent possible by providing training regarding Agriculture and allied areas to rural people specially rural youth and farm women about new Agri-innovations so that production as well as job opportunities are increased.

Dr. B.K. Dwivedi, Organizing Secretary and Director BRIAT presented the progress report of the organization during the Inaugural Session. He said that Lac processing and cultivation has big potential for income and employment generation. He outlined the usefulness of various products manufactured at Bioved Krishi Prodyogiki Gram, Moharab, Sringverpur, Allahabad. BRIAT extended its gratitude and thanks to co-sponsors of the Congress .The Inaugural Session was concluded with National Anthem.

During the congress, some reputed research organizations of the country showed their research and development through exhibition stalls. Indian Institute of Pulses Research, Kanpur, demonstrated seeds of pulses and narrated the methodology to get higher output of the pulses. The stall was largely visited by the delegates and the farmers. A number of herbal plants such as lemon grass, Ashwagandha, Satavar, Sarp Gandha, Tulsi developed by MGIRI Wardha Gujarat were demonstrated during the congress. This stall showed various medicinal herbal preparations also. The exhibition was very useful for the farmers and common visitors. It enlightend the visitors with greater knowledge and understanding. BRIAT extended its sincere thanks to the organizations for participating in exhibition during the congress.

181 published abstracts were presented and discussed during the different Technical Sessions. Poster Presentation Session was largely attended. Papers having high standard research contents were selected for the awards and in the process seven delegates were selected for the Best Paper Presentation Award. Chairman and Co-Chairman of the various technical sessions encouraged young scientists and delegates for fundamental and location specific researches in agriculture and allied activities. The delegates were asked to devote themselves for new and novel Agri-innovations. During the Invited Lecture Session, Senior Scientists of the country were requested to deliver lecture. The lectures were very useful for the young scientists in particular and for the farmers in general.

A special feature of the Congress “Kisan Adalat” was organised on 22rd Feb., 2015 at the Auditorium of Bioved Krishi Prodyogiki Gram, Moharab, Sringverpur, Allahabad. at 2:00 PM. About 350





farmers from different parts of the country participated in this session, who communicated their problems before the scientists delegates present in the Congress and proper interaction was made between farmers and scientists on various aspects of agriculture, animal husbandry, lac Cultivation, Plant Protection, Agricultural Engineering, Horticulture, Agronomy, Floriculture, Fresh Water Pearl Culture, Integrated Fish-Duck-Poultry And Dairy Farming, Sericulture and Mashroom Cultivation etc. The Judges for this session were Dr. Rajendra Kumar, Dr. C.S. Pran, Dr. Bangali Baboo, and Dr. S.D. Mishra, The scientific respondents were Dr. P. B. Kale Director, MGIRI, Wardha; Dr. Mohd. Arif, Ex. Principal Scientist, DIBER, DRDO, Min. of Def., GOI; Dr. B.B. Tripathi, Patron, Bioved Research Society, Allahabad; Dr. Trilochan Mohapatra, Director, CRRI, Cuttack (Odisha); Dr P.K. Ghosh, Director, IGFRI, Jhansi; Dr. S. K. Dubey, Head, Regional Research Station, CSWCRTI, Agra; Dr. A. K. Jaiswal, Head, TOT Division, IINRG,

Ranchi; Dr. K.D. Joshi, Principal Scientist & Head, CIFRI, Allahabad; Dr. Mahesh C Yadav, Principal Scientist, NBPGR, New Delhi; Prof. R.G. Upadhyay, Asst.. Director (Res.), Uttarakhand Univ. of Horticulture & Forestry, Uttarakhand; Dr. R.P. Yadav, Professor & Head, Tirhut College, Muzaffarpur, Bihar; Dr. Prem Singh Negi, Sr. Scientist, DIBER, Haldwani; Dr. Amitabh Kar, Prof., NDU & T, Faizabad; Dr. S. Chandra, Chief Scientist, IIIM, Jammu; Dr. H.K. Pandey, Scientist D, DIBER (DRDO) Pithoragarh, Uttarakhand; Col. C.P. Churamani, Commandant, CMVL, Meerut Cantt; Dr. Mahendra Singh Pal, Professor, GBPUA&T, Pantnagar, Uttarakhand; Dr. S.K. Tripathi, Professor JNKVV, College of Agriculture Rewa; Dr. S.K. Pandey, Professor, JNKVV, Jabalpur; Dr. Ashok Kumar, Principal Scientist, CIRG, Mathura; Dr. Ajay Kumar Pandey, Programme Coordinator, Krishi Vigyan Kendra, Rewa; Dr. A.K. Pandey, Principal Scientist, NBFGR, Lucknow; Dr. Avinash V. Nirmale, Chief Technical Officer, NIASM, Baramati, Pune, Maharashtra and 50 senior scientists working in different fields of agriculture of different universities and research institutes of the country. Dr. B. K. Dwivedi, Director, BRIAT, Allahabad presented the farmer's quests and served as a bridge between farmers and scientists in arriving certain decisions and solution of the problems.

Valedictory Session was organized on 22 February, 2015 at 4: 00 p.m. Dr. C.S. Pran, a noted Social Worker and Former National Director, Nehru Yuva Kendra, in his Presidential Address during the Valedictory Session said that Panchayats have significant role for the upliftment of the villagers in particular and rural areas in general. He further said that there is an urgent need for re-energisation of Panchayats to work for items given in IX Schedule of the Constitution of India. Dr. Rajendra Kumar, Director General, UPCAR, the Chief Guest of Valedictory Session said that UPCAR is doing its best efforts to boost the Agri-innovation and to diversify the agricultural sector. Dr. Rajendra Kumar further said that there is a need to explore the vast potential of Agri-experts specifically for processed Agri-food from the state. Rapporteurs of various sessions presented their reports during the Valedictory Session. The congress concluded with Vote of Thanks and National Anthem.

Dr. B.K. Dwivedi, Director

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