



ZONAL AGRI-NEWS

A Newsletter of ZPD, Zone VII

Vol.-5. No. 1

April - June, 2013

XX Zonal workshop of KVKs of Zone-VII



20th Zonal Workshop of KVKs of Zone VII organised during 21-23 June 2013 in Udyamita Vidyapeeth, Chitrakoot. The chief guest of the inaugural session Dr. R.K. Kusmariya, Hon'ble Minister of Farmer Welfare & Agriculture Development, Govt of MP, in his address informed about the very high growth rate (18.9%) achieved by MP.

Dr.K.D.Kokate, Hon'ble DDG (Agril. Extension) in his presidential address, showed deep sense of gratitude to Hon'ble Minister, MP & MLA for their participation and expressing their expectations from KVKs for the cause of the farmers. He emphasized on the contribution of KVKs of MP in achieving an excellent growth rate in agricultural production in the state. He indicated that, our KVK system is the best system in the world. At present, China and USA are taking the technologies from India. With the pace of agricultural production and technological development, the scientists, farmers and policy makers should join together to face the challenges of 2050 with respect to food and nutritional security. He emphasized on 4Cs principles of KVK viz. convergence, consortium, collective action and capacity development. Remarking on the issue of safety of our bio-diversity, he informed that, the ICAR has already been doing germplasm collection and preservation of bio-diversity through NBPGR, NBFGR, NBAGR, NBAIM and other institutes where characterization of the materials is in progress.

Addressing the house, Dr V.S.Tomar, Hon'ble Vice

Chancellor, JNKVV complemented KVKs for their significant contribution and visible impact among farming community. He complemented the Agriculture department, Govt. of MP for awarding Krishi Karman Award for significant achievement in food grain production.

Mr.Ganesh Singh, Hon'ble MP, Satna stated that, agriculture has been the principal means of occupation of the people of India from the primitive time.

Hon'ble MLA, Chitrakoot, Sh.Surendra Singh Gahrawar in his address expressed great concern for betterment standard of living of the farmers.

Dr Anupam Mishra, ZPD, Zone VII, briefed the objectives of the workshop and informed about the permission of DDG for selection of Chitrakoot as the venue of this programme because of the specialty of the place.

During the inaugural session, three publications viz., Annual Report 2012-13 of ZPD Zone VII, Footfall in KVKs: farmers & dignitaries and Integrated farming models of IGKV, Raipur were released by the Hon'ble Minister & other dignitaries.

Directors of extension of all the universities of three states, programme co-ordinator of KVKs, scientist from different commodity institutes of ICAR, experts from DRI were deliberated during three days programme, including inaugural, six technical sessions and plenary session.

ZONAL PROJECT DIRECTORATE ZONE VII

Division of Agricultural Extension, ICAR, JNKVV Campus, Jabalpur - 482 004 (M.P.)

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Dr. R.R.Hanchinal, Chairperson, PPV&FRA, New Delhi chaired the session and advocated the KVKs to preserve the farmers' material and to took up registration of farmers varieties and organize awareness programmes. Shri Brijendra Prasad Singh, Hon'ble state Minister Farmers Welfare and Agril Develpoment, was the chief guest, Dr. Bharat Pathk, General Secretary, DRI, chaired the session. Hon'ble chief guest has assured all the support to KVKs from state government and asked them to work in tandem for development of agriculture and well being of the farmers. Dr. Anupam Mishra, ZPD summed up the three days workshop in his speech. All Directors of Extension Services expressed their views regarding the workshop. Dr. V.P. Chahal, Principal



Scientist, appreciated the work done by KVKs specially work of KVK-ATMA to reach 5000 farmers in the district. Dr. Bharat Pathak & Dr. Nandita Pathak were instrumental in making the programme a grand success.

Zonal Level Exhibition Organized at DRI, Chitrakoot

For showcasing the effective works at KVKs, an exhibition was put up at DRI, Chitrakoot during XX Zonal Workshop 2013 by the KVKs. Dr. R.R.Hanchinal, Chairperson, PPVFRA and Dr. K.D.Kokate, Deputy



Director General (Agril. Extension) inaugurated the exhibition. Directors of Extension, ZPD and scientists were present during the dignitaries' visits. Dignitaries appreciated the efforts made by the programme coordinators KVKs under Zone VII. All KVKs were asked to display the poster of their best technology succeeded at the farmers fields in the form of success stories. Besides lives samples, specimens, literatures like programme & schemes, year planner, contingent planning, newsletters, bulletins etc. were also displayed. The exhibition was organized for cross learning of the KVK participants among each other for better understanding of the KVK activities, its documentation and better presentation to various forums.

Dr K.D. Kokate, DDG (Agril. Extn), ICAR Reviewed the Technology Demonstration and Future Road Map Under TDC-NICRA

During Second Annual Workshop of NICRA (17-19 June, 2013) at IARI, New Delhi, the session 'Technology Demonstration and Future Road Map' held on 18th June, 2013, was chaired by Dr.K.D.Kokate, DDG (Agril.Extn.) and Co-chaired by Dr.B.Venkateswarlu, Director, CRIDA. Zonal Project Directors/Nodal Scientists of NICRA from the ZPDs participated in the session. In his opening remarks, Dr.Kokate complimented CRIDA and ZPDs for their efforts in implementing NICRA across the country. He also appreciated the efforts of the Programme Coordinators of KVKs and their staff for producing noteworthy output from NICRA. He appealed for making efforts in up-scaling best NICRA



interventions by all KVKs. Dr. S.R.K. Singh, Sr. Scientist participated in this workshop.



KVK ATMA meeting with Agriculture Production Commissioner, Govt. of M.P.

A meeting was organized at *Mantralay*, Bhopal on 10th April, 2013 with Agriculture Production Commissioner at Ballav Bhawan in the presence of Principal Secretary, Vice Chancellors, ZPD, Director Extension, PDATMA, Programme Coordinators and other Dignitaries. In this meeting Road Map was

prepared on the basis of presentation of KVK and ATMA and workable suggestions given by the House. This meeting was a breakthrough for implementation of Common Mission for Sustaining Double Digit Growth in Agriculture in Madhya Pradesh.

Capacity Building by ZPD, Zone-VII

ZPD, Zone VII has initiated capacity building, for the KVK Subject Matter Specialists with commodity specific ICAR Institutes and SAUs. Programme- wise

number of participants during the quarter are mentioned in given table.

Name of Training / Workshop	Date	No. of Participants
Interactive Meeting of Programme Assistant (Computer)	April 8, 2013	7
Review -cum Action Plan Workshop on Farm Mechanization	April 22-23, 2013	38
Review-cum Action Plan Workshop in Fishery Technology	May 1-2, 2013	52
Training-cum-Workshop for Home Science and Horticulture Specialists	May 3-4, 2013	65
Training-cum-Workshop on Soil Fertility Management	May 3-4, 2013	54
Training -cum-Workshop on Soybean	May 9, 2013	48
Training-cum-workshop on Rice Production Technology	May 14-15, 2013	45
Total		309



Glimpses of the Review-cum- Action Plan Workshop

Flagship Programmes in Zone VII

1. Kisan Mobile Advisory (KMA)

Short Message Service (SMS) is being provided by KVKs to the farmers, through KMA programme. During the quarter, total 1377 text messages were sent which benefitted to 2,46,213 users by the operational KVKs in the Zone.

2. Climate Resilience Agriculture through KVKs under NICRA

NICRA is operational in 14 selected districts (7 Madhya Pradesh and 3 in Chhattisgarh and 4 in Odisha) for conducting technology demonstrations.

In Natural Resource Management, a total of 3309 demonstration were conducted on 1739.6 ha. area focusing on in-situ measure conservation, water harvesting and recycling for supplemental irrigation, improved drainage in flood prone areas Conservation tillage where appropriate, Artificial ground water recharge, Water saving irrigation methods.

In Crop Production module, a total of 2409 demonstration were conducted on 809.82 ha. area focusing on drought tolerant varieties, advancement of planting dates of rabi crops to escape for terminal heat stress, water saving paddy cultivation methods (SRI, aerobic, direct seeding), frost management in horticulture through fumigation, community nurseries for delayed monsoon, custom hiring centres for timely planting, location specific intercropping systems with high sustainable yield index, etc.

In livestock and fisheries component, a total of 1525 demonstration were conducted covering 2803 animals

focusing on use of community lands for fodder production during droughts/floods, Improved fodder/feed storage methods, preventive vaccination, improved shelters for reducing heat stress in livestock, management of fish ponds / tanks during water scarcity and excess water etc.

In institutional interventions component, a total 1091 farmers were benefitted by the covering area 507.7 ha area through seed bank, fodder bank, commodity groups, custom hiring centre, collective marketing, climate literacy through a village level weather station etc.

Under capacity building component, total of 46 training were organized benefitting 1064 participants.

Under Extension activities, total of 82 training were organized benefitting 1363 participants through Diagnostic visits, Exposure visits, Field day, Group discussion etc.



Paddy through SRI , Tikamgarh KVK



Thresher under Custom hiring, Bhatapara



Backyard Poultry, Jharsuguda KVK



Deep Ploughing , Tikamgarh KVK

3. Technological Demonstration for Harnessing Pulse Productivity

This programme addressed application of selected technologies related to five major pulse crops viz. chickpea, pigeon pea, green gram, black gram and lentil. The programme envisages demonstrating production potential of newly developed technologies and varieties of pulses at farmers' fields through KVKs to enhance production of pulses in the country. During the Rabi 2012-13, in Madhya Pradesh and Odisha, 22 KVKs have identified 976 farmers for demonstration on an area of 390.4 ha. Out of 976 demonstrations 720 were conducted in Chickpea, 171 in Lentil, 69 in Green gram and 16 in Black gram. The important pulse crops like Chickpea (JG-16, JG-11), Lentil (JL-3), Black gram, and Green gram were taken for demonstration.



4. Tribal Sub Plan (TSP)

This scheme is aimed for 'Enhancing Pulses Production for Food, Nutritional Security and livelihoods of Tribal Community through Demonstration and Training'. TSP is operational in 10 KVKs located in the tribal region of the M.P. and Chhattisgarh. During the Rabi 2012-13, the selected KVKs conducted 600 demonstration in the area of 240 ha. Varieties like JG-11, JG-16 of Chickpea and JL-3 of Lentil are being demonstrated for enhanced production of pulses. KVKs have organized Field Days for enhanced production of pulses.



5. ISOPOM on Maize

In an effort to enhance the production and productivity of Maize under ISOPOM. Total 312 demonstrations spread out in 312 acres of area were conducted. The new HYV and hybrids of maize like HQPM-1, Proagro4640, Scorpio, Hycel were demonstrated on farmers' field by eight KVKs. The average yield under demonstration was 56.82 qt. ha⁻¹ against the farmers practice of 40.46 qt. ha⁻¹.



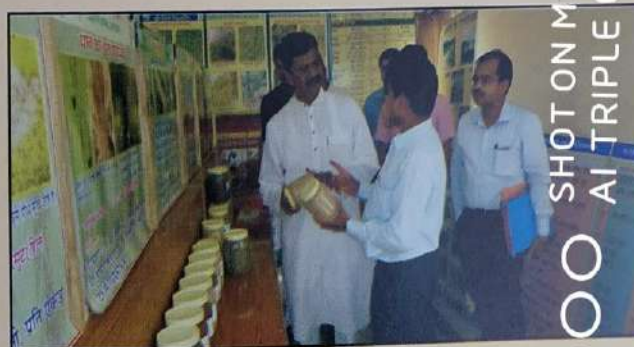
6. Dairy farmers of Malwa region of MP and tribal region of Chhattisgarh surveyed under DAHD Project

The dairy farmers of Ratlam and Indore districts of Madhya Pradesh characterised as transient dairy production environment and Koriya and Surgija districts of Chhattisgarh characterised as under developed dairy production environment were surveyed under the DAHD funded project on "Costs and Returns in Milk Production: Developing Standardized Methodology and Estimates for Various Production Systems. The mid-term work progress report was also presented during the National level workshop during 10-11 June, 2013 organised at National Dairy Research Institute, Karnal.



Dignitary Visit at KVK, Kanker, Chhattisgarh

Dr. C.D. Mahant, Minister of State for Agriculture & Food Processing, Govt. of India visited KVK, Kanker Chhattisgarh on 23rd May, 2013. He has also visited to the Mushroom production unit, Vermi-compost unit and Seed production programme of KVK, Kanker, Chhattisgarh.



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Success Story

Hybrid Maize Cultivation brings changes in Tribal livelihood in Bastar region

Introduction: Bastar plateau is having good agro climatic situation for maize production but the productivity of maize in the district is 2200 kg/ha (2011-12). This level of production has to be sustainability raised to meet its growing demand for human food, animal and poultry feed as well as for industrial processing by the wet and dry millers to produce value added products with the present available technology. The package of practices for different region of the county are different and requires suitable adjustment to need the local specific need of the individual farmers so that it will help to increase the productivity to gain the profit.

Under bastar plateau three sub agro-climatic zone namely valley of Keshal, north east plateau and abushmar hills. It is having very typical land topography, soil type and physio chemical properties. There are four major farming situation i.e. top land (Marhan 31%), Sloppy upland land (Tikara 27%), Mid land (Mal 22%) and Low land (Gabhar 20%).

Utilization of Produce

- ▶ Export purpose

- ▶ Human food
- ▶ Poultry and animal feed
- ▶ Wet & dry millers for value added products. Major cultivated Maize Hybrids in Bastar

Export of Hybrid Maize Grain from Bastar Region :-

- ▶ The export of hybrid maize grain from Bastar region to United State of America, Sweden, Vietnam, Indonesia and other foreign countries via Visakhapatnam (Orossa).
- ▶ About 70,000 to 80,000 tonnes maize grains are export every year from Bastar.
- ▶ Kargil India and Luise Drefus France Company are major exporter of maize.
- ▶ Export quality parameter of Maize grains are-
 - ▶ Yellow shine color
 - ▶ Less than 14 per cent moisture
 - ▶ Less than 2 per cent damage & discolor
 - ▶ Big size grain for minimum count numbers
 - ▶ Non-fungal infected
 - ▶ Non-insect damage

Hybrid Maize Cultivation Practice in Bastar Region



Intercultural operations & Hand weeding



FLD on Hy Maize



Diagnostic Visit



Collected cobs

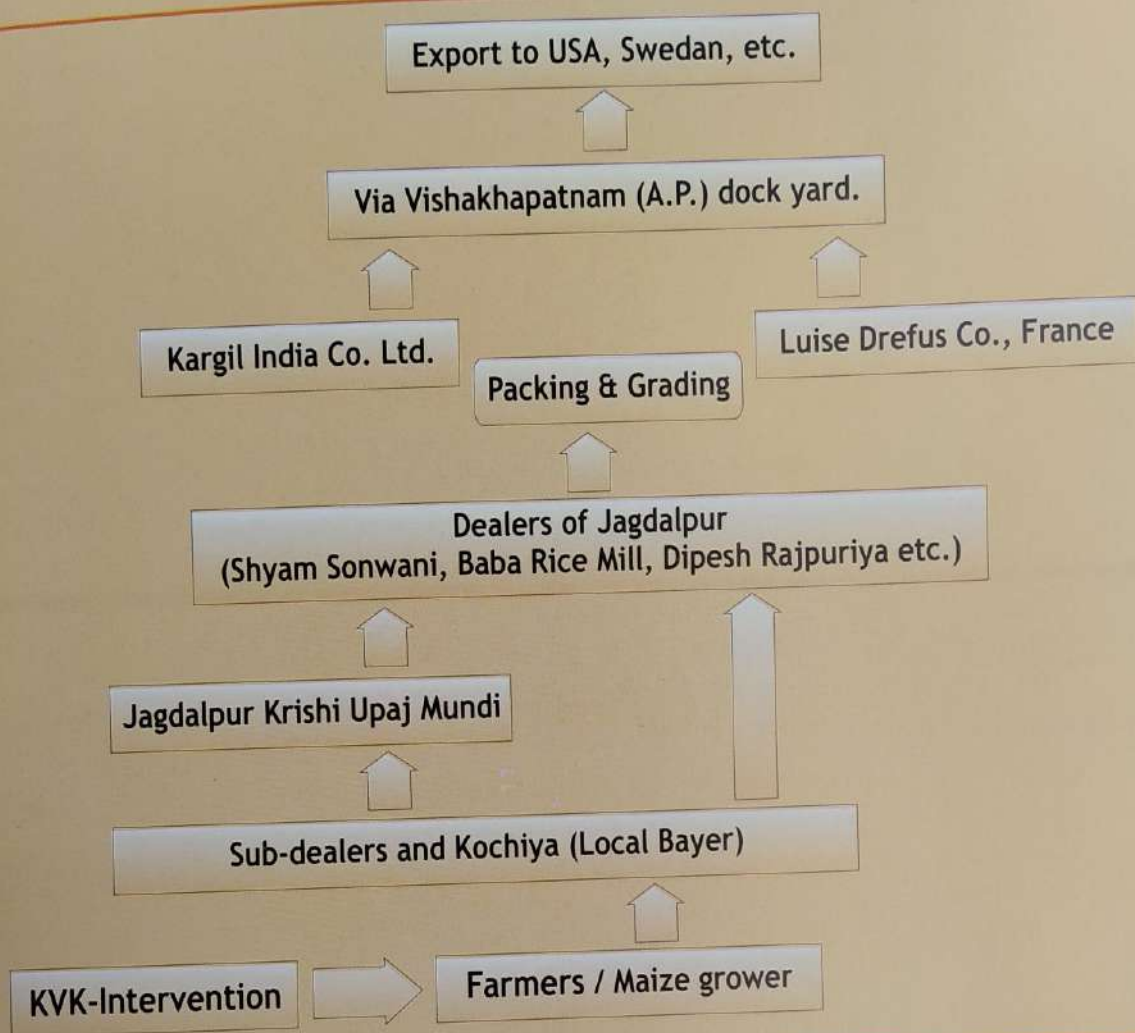


Wide coverage through print media



Wider publicity through media

Maize Export from Bastar (CG)



Award/Recognition

Best Poster Paper Award

Dr. S.R.K.Singh, Sr.Scientist (AE) and his team, Zonal Project Directorate, Zone VII, Jabalpur was conferred Best Poster Paper Award during National Seminar on Climate Change and Indian Horticulture - Exploring Adaptation and Mitigation Strategies for Expeditious Resilience organized by the Bihar Horticulture Society and Bihar Agriculture University, Sabour in recognition of his appreciable work done in the field of Climate Resilience Agriculture held during May 25-27, 2013, at Sabour, Bhagalpur, Bihar.



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DIRECTOR'S DESK

KVKs in this directorate are striding ahead by equipping farmers with latest knowledge and innovative agro-technologies, providing need-based vocational training to rural youth, farmers and farm women engaged in agriculture and allied activities in three states -Madhya Pradesh, Chhattisgarh and Odisha. KVKs are helping farmers in decision making by providing latest information at one stop regarding various programmes and schemes of central and state governments and also information regarding service providers in the district in local language.



KVK-ATMA joint efforts are carried out by KVKs in Madhya Pradesh. Through this model, a synergistic work is being done for sustaining the double digit growth in agriculture. This Directorate has organized XX Zonal workshop of KVKs at DRI, Chitrakoot during June 21- 23, 2013 for reviewing the activities of KVKs.

Review-cum Action Plan Workshop on Farm Mechanization, Review-cum Action Plan Workshop in Fishery Technology, Training- cum- Workshop for Home Science and Horticulture Specialists, Training- cum- Workshop on Soil Fertility Management, Training – cum- Workshop on Soybean, Training-cum-workshop on Rice Production Technology were organized in this quarter for capacity development of KVK SMSs.

Various programmes like Technological Demonstration for Harnessing Pulse Productivity, Tribal Sub Plan, Integrated Scheme of Oilseeds, Pulses, Oil palm & Maize, and National Initiative on Climate Resilient Agriculture are functional in selected KVKs of this Directorate. Under TDHPP 976 demonstrations were conducted in the crops of Lentil, Chickpea, Black gram, Green gram etc. TSP is operational in 10 KVKs located in tribal region of Madhya Pradesh and Chhattisgarh. Various climate resilient activities under the modules of NRM, Crop production, Livestock and Fisheries, Institutional Interventions, Capacity building and Extension activities are being carried out in 14 KVKs. Department of Animal Husbandry, Dairying and Fisheries has sanctioned a two-year project on "Costs and Returns in Milk Production: Developing Standardized Methodology and Estimates for Various Production Systems" in Consortium mode, with Zonal Project Directorate, Zone-VII, Jabalpur as a consortia partner and NDRI as the Consortium Leader, the project is operational in 4 tribal districts of Chhattisgarh and Malwa region of Madhya Pradesh.

I thank the editorial team of Newsletter for their efforts in bringing out this Newsletter. My word of appreciation for Programme Coordinators vis-a-vis staff of KVKs in Zone VII for their tremendous efforts and initiatives taken for better performance and serving farming community efficiently through mandated activities of KVKs.

(Anupam Mishra)

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