



# Zonal Agri-News

(A Newsletter from Zone IX)

Vol.11. No.2

July-September, 2019

## 26<sup>th</sup> Zonal Workshop of KVKs to be held at Khajuraho, KVK Chhatarpur, M.P.

26<sup>th</sup> Zonal Workshop of KVKs of Zone comprising of Madhya Pradesh and Chhattisgarh was organized at KVK Chhattarpur (Khajuraho) on July 27-29, 2019. Chief Guest of the programme Shri Narendra Singh Tomar Ji, Hon'ble Union Minister of Agriculture & Farmers' Welfare, Rural Development and Panchayati Raj, Government of India inaugurated the workshop of KVKs on 27 July 2019. Shri N. S. Tomar also visited on Exhibition of KVKs depicting the technological modules for doubling farmers income, value added products developed by KVKs and progressive farmers. He appreciated the work done by KVKs for speedy progress of agriculture in the state along with tribal region. He emphasised that KVK Scientists have to work in convergence mode for doubling the farmers income by proper production plan coupled with marketing strategy, so that farmers income could be enhanced. There is need to make farmers more aware and knowledgeable on the newly developed technology along with proper skill for its better application. Mrs. Archana Chitnis Ji, Former Minister, Women and Child Development, Govt. of Madhya Pradesh pointed out that there is need to improve the resource use efficiency in agriculture and create awareness of Nutrition literacy. Shri Vishnu Dutt Sharma Ji, Hon'ble Member of Parliament, Khajuraho Loksabha Constituency emphasized on the role of KVKs and stated that farmers have faith in KVK Scientist and have achieved tangible benefits from technical advice, seed and painting material from KVKs. Kunwar Pushpendra Singh Chandel ji, Hon'ble Member of Parliament, Hamirpur Loksabha Constituency in his address stated to replicate the successful models of KVKs on wider scale in convergence mode. Dr. A. K. Singh, Deputy Director General (AE), ICAR-New Delhi in his address briefed about the new initiatives of KVK@150 for technology application related to micro-irrigation and balanced nutrition for soils. He further informed about the new initiatives of ICAR in the form of NARI, VATICA, KSHAMTA etc. for empowerment of women and tribal farmers and linking KVKs with common service centres. Dr. S. K. Rao, VC, RVSKVV, Gwalior in his address stated to focus on production and productivity of oilseeds. There are many point took on his speech for oilseed. Dr. P. K. Bisen, VC, JNKVV, Jabalpur, admired the kind of works and performance being showed by the KVKs in Madhya Pradesh and Chhattisgarh being acknowledged at National level. Shri Abhay Mahajan, Organizing Seceretary, DRI, Chitrakoot advocated promotion of organic farming model for resource conservation and sustainable development.

Dr. Anupam Mishra, Director ICAR-ATARI, Jabalpur addressed to the participants and enumerated significant achievement of the Zone IX, KVKs on the basis of which KVKs

received best national KVK award from ICAR and recognition at national level. He further informed that KVKs are focussing mainly on doubling farm income, nutrition sensitive agriculture through nutri-SMART villages, climate resilient technologies, tribal focussed intervention under KSHAMTA, marketing through SHGs and FPOs. The workshop was attended by about 300 participants including Vice Chancellors of SAUs, Directors of ICAR Institutes, Representatives from NGOs, Officials from ICAR, Head and Scientist from KVKs and Innovatives farmers.

On this occasion, 3 Mobile Apps developed by KVK Jhabua, Raisen, Bankhedi were launched and Agri-waste recycling through bio-waste decomposer bulletin and two newsletters by ATARI Jabalpur and 11 publications of KVKs was released.



## Award received by Progressive Farmers on ICAR Foundation Day

Shri Sitaram Nigwal, Dhar received Pandit Deen Dayal Upadhyay Antyodaya Krishi Puruskar, 2018-National, Shri Akash Chourasia, Sagar and Smt. Lekesh Bai, Kanker received Pandit Deen Dayal Upadhyay Antyodaya Krishi Puruskar, 2018-Zonal, Shri Ashwini Singh, Progressive Farmer,



Ujjain received "Jagjivan Ram Abhinav Kisan Puruskar 2018" during the Foundation Day of ICAR on July 16, 2019. The award was presented by Dr. T. Mohapatra, Hon'ble DG, ICAR, New Delhi and Dr. Panjab Singh, VC, Maharani Laxmi Bai Central Agri. University, Jhansi, U.P.



## Jal Shakti Abhiyan

Jal Shakti Abhiyan is being conducted in 13 KVKs in 26 blocks in Madhya Pradesh and Chhattisgarh. Under Jal shakti abhiyan KVKs are organizing kisan mela, exhibition, training and



awareness programme on water conservation and efficient use of ground water resources.



## Brainstorming Session on Technological Innovations and Strategies for Farmers' Prosperity in Madhya Pradesh & Chhattisgarh at New Delhi

Inauguration of two days Brainstorming Session on Technological Innovations and Strategies for Farmers' Prosperity in Madhya Pradesh & Chhattisgarh jointly organized by Indian Council of Agricultural Research, New Delhi and ICAR-ATARI, Jabalpur, Madhya Pradesh was held at NASC Complex, New Delhi on 26-27 August 2019.

Chief Guest Shri Narendra Singh Tomar, Hon'ble Minister of Agriculture & Farmers Welfare, Rural Development and Panchayati Raj inaugurated the programme. While addressing the audience, Shri Tomar stated that each and every farmer of India should adopt new technology and should maintain good rapport with the agricultural and KVK scientists to be a progressive farmer. Further, he highlighted the views of Hon'ble Prime Minister Shri Narendra Modi, whose centre of focus for development are villages, underprivileged people and farmers and all his programmes aims at doubling the farmers income by 2022. Further, he said that agriculture sector have a wider scope and is important, as it brings stability in Indian economy. For the development of agriculture sector, use of scientific technology is essential and for which ICAR can play a vital role. He said that the process of deliberation and thinking

started from Rajasthan should be continued for each state without any formalities. Focusing on the farmers, Shri Tomar said that, the information obtained from this two-day session should be used in the future agricultural works.

Continuing the inaugural session, Shri Sanjay Agarwal, Secretary, Department of Agriculture, Cooperation and Farmers Welfare said that the planning of increasing the area under pulse crops was encouraged by Hon'ble Prime Minister of, as a result of which the farmers of India has made the country self-sufficient in pulse production, within a period of three years. New technologies are used for this and its minimum support price was increased. With this, the production of pulses increased from 160 lakh tonnes to 260 lakh tonnes and increase in government procurement by fourteen times.

Seeking the attention of the audience, towards the aim of Hon'ble Prime Minister Shri Narendra Modi of doubling the income of farmers by 2022, Dr. Trilochan Mohapatra, Secretary, Department of Agricultural Research and Education and Director General, Indian Council of Agricultural Research, New Delhi, said that all the Krishi Vigyan Kendras associated with ICAR have been making efforts from last one year to double the income of farmers

in two villages of each district. For diversification in agriculture continuous efforts have been made to integrate agriculture, horticulture, animal husbandry, fisheries, bee keeping and food processing.

In this inaugural session, welcome speech was delivered by Dr A.K. Singh, Deputy Director General (Agricultural Extension), ICAR, New Delhi where he described the detailed outline of the programme and said that, the outcomes of the discussion from this workshop will determine the future course of action so that the farmers can get more income from agriculture.

Dr. V.P. Chahal, Assistant Director General (Agricultural Extension) ICAR, New Delhi stated that views and ideas given by Hon'ble Union Minister of Agriculture & Farmers Welfare will help as a guidance in development of agriculture. He also showed his gratitude towards all the farmers for their presence and assured everyone that, this type of workshop with the participation of farmers will also continue in future.

In this programme, a total of 460 participants including awarded, innovative and progressive farmers, Farmers Producer

Organizations, Farmer representatives, agricultural scientists and Directors of research institutes participated. The programme was coordinated by Division of Agricultural Extension and Dr. Anupam Mishra, Director, ICAR-ATARI, Jabalpur and conducted by Dr. Randhir Singh, ADG (Agri. Extension), ICAR, ICAR, New Delhi

Vote of thanks was given by Dr. Anupam Mishra, Director, ICAR-ATARI, Jabalpur in the valedictory function. During which he portrayed his gratitude towards Chief Guest Shri Kailash Singh Chaudhary, Hon'ble Minister of State, Ministry of Agriculture and Farmers Welfare, Shri Dhal Singh Bisen, Hon'ble MP, Constituency-Balaghat, Shri Ajay Pratap Singh, Hon'ble MP, Constituency-Shahdol, Dr. Trilochan Mohapatra, Secretary DARE and Director General, ICAR, New Delhi, Dr. A.K. Singh, Deputy Director General (Agricultural Extension) ICAR, New Delhi, Mr. Sanjay Agarwal, Secretary, Department of Agricultural Cooperation and Farmers Welfare, Dr. N. P. Dakshinkar, Vice Chancellor, CGKV, Durg, Dr. T. Janakiram, Assistant Director General (Horticulture) and farmers for their valuable presence and participating actively in the programme.



### Live webcasting of National Animal Disease Control Programme (NADCP)

Live webcasting of the launch of National Animal Disease Control Programme (NADCP) for eradicating the Foot and Mouth Disease (FMD) and Brucellosis in the livestock, by Hon'ble Prime Minister Shri. Narendra Modi was done on 11th September, 2019. The programme aimed at

vaccinating 36 Million Female Bovine Calves annually in its fight against the Brucellosis disease. The programme was organised by 75 KVKs. A total of 11097 farmers and officials participated and 5477 animals benefitted in the programme.



## Mass plantation Abhiyan and Kisan Goshti at KVK Morena inaugurated by Shri Narendra Singh Tomar Ji

Krishi Vigyan Kendra, Morena, M.P. organized Mass Plantation Abhiyan and Farmers Goshti with collaboration of IFFCO on 69<sup>th</sup> birth Anniversary of Hon'ble Prime Minister of India Shri Narendra Modi Ji on 17<sup>th</sup> September, 2019 at Krishi Vigyan Kendra, Morena (M.P.).

The chief guest Shri Narendra Singh Tomar, Union Minister of Agriculture & Farmers' Welfare, Rural development and Panchayati Raj emphasized on crop diversification, enhancing the farmer's income from allied activities like Bee farming, dairy, poultry, fisheries with horticultural crops. He also emphasized on organic farming. His focus was on plantation for environmental and farmers benefit. Further, he urged to farmers for use new technologies in agriculture and be associated with KVK for reaping more benefit.

Dr. A.K. Singh, DDG (Agri. Extension), ICAR, New Delhi said that Plantation Abhiyan organized in whole country in all the 714 KVKs. He also said that plantation play a major role for doubling income of the farmers.

The Guest of Honour, Dr. S.K. Rao Vice Chancellor, RVSKVV, Gwalior urged the farmers to increase the cropping intensity in kharif and summer season. He urged to farmers to adopt the new technologies developed by RVSKVV and ICAR for improving the agriculture productivity and increasing their income. Dr. U.S. Awasthi, MD, IFFCO briefed about the IFFCO schemes for the farmers' benefit.

Dr. Anupam Mishra, Director, ICAR-ATARI Zone-IX Jabalpur, Dr S.N. Upadhyay, Director Extension Services, RVSKVV, Gwalior, Dr. V.S. Tomar, EX- Vice Chancellor JNKVV, Mr. S.K. Bansal, SJM NABARD, Bhopal, Mrs. Priyanka Das, DM, Morena, Scientists and technical staff of KVK, Public Representatives were also present on the occasion.

The Plantation programme was organised by 78 KVKs and 131255 plants of like mango, guava, citrus, neem, bel, aonla, pakad, jamun, pipal and rudraksh etc. were planted and 11582 farmers and farm women attended the programme.



## Quinquennial Review Team Meeting of ICAR-ATARI Jabalpur and Kanpur

The first Meeting of Quinquennial Review Team Meeting of ICAR-ATARI, Jabalpur and Kanpur was held at ICAR-ATARI, Jabalpur on September 21-22, 2019 under the chairmanship of

Dr. Gaya Prasad, Ex-VC, SVPUA&T Meerut. The meeting was attended by QRT members Dr. Mathura Rai, Former Director ICAR-IIVR Varanasi, Dr. Y.P.S. Dabas, Ex-DES, GBPUA&T, Pantnagar and



Dr. OP Singh, Ex-DES, SVPUA&T Meerut, Dr. Anupam Mishra, Director ICAR-ATARI, Jabalpur, Dr. Atar Singh, Director, ICAR-ATARI, Kanpur. The meeting was attended by scientists from ATARI Jabalpur and Kanpur. Five KVKs Kannauj, Bareilly, Pratapgarh, Muzaffarnagar, Chitrakoot from Uttar Pradesh and nine KVKs Dhar, Datia, Ujjain, Betul, Satna, Jabalpur, Kanker, Dantewada, Kawardha from Madhya Pradesh and Chhattisgarh participated in the QRT meeting. Dr.

Anupam Mishra, Director, ICAR-ATARI, Jabalpur and Dr. Atar Singh, Director, ICAR-ATARI, Kanpur presented salient achievements of ATARI during 2011-2019. KVKs presented the salient report of the activities done by the KVK. Dr. Gaya Prasad, Chairman QRT in his address stated that the purpose of QRT is to see the KVK activities are transforming the lives of people in the area. KVKs should work to promote the nutrition dense food production system among farmers in the region.

### Swachhta Hi Sewa programme at ICAR-ATARI, Jabalpur



As per the directives of Govt. of India, the programme was organized by ICAR-ATARI, Jabalpur during September 11, 2019 to October 2, 2019 as per guideline of the ICAR. All staff of ATARI, Jabalpur organized cleaning activities of institute premises, nearby roads, hospitals, schools and tourist places for mass awareness. Also flag march was conducted for further visibility. The activities with photographs were uploaded on KVK portal as well as institute website.



### Hindi Pakhawada at ICAR-ATARI, Jabalpur

The programme was organized at ICAR-ATARI, Jabalpur on September 14-30, 2019. The programme was chaired by Dr. S.R.K. Singh. Various activities like Essay writing, Hindi general knowledge, debates etc. were organised during

this occasion. Scientists, Administrative and Technical Staff of the institute participated actively in the events. Toppers among the participants were felicitated with prizes.



### Farmer FIRST Programme under ATARI, Jabalpur

Farmer FIRST project is operational at seven centres under ICAR-ATARI Jabalpur. Progress made during July-September, 2019 being described modulewise. Under crop based module total 29 villages covering area of 500.24 ha and 1221 households benefitted, under horticulture based module total 24 villages covering area of 25.27 ha and 1000

households benefitted and plantation of 7500 plants, 500 plants of papaya and 500 plants of Pomegranate was done, under livestock based module total 24 villages covering 5321 animals, birds and fish (1746 Livestock, 3565 poultry and 10 kg fish fingerlings), 10 SHGs covered and 605 households benefitted, under enterprise based module total 25 villages

covering 61 units of vermibed and 2 units of beekeeping, 617 plants brooded by lac, 18 SHGs covered and 404 households benefitted, under IFS module, 14 villages covering area of 30.8 ha and 91 households benefitted, under natural resource management, 21 villages covering area of 211 ha and 629 households benefitted, under ICT based module, 29 villages covered, 553 messages delivered, 1731 telephonic calls and 3191 household benefitted.



### Technology Demonstration Component under NICRA by KVKs NICRA is operational in 12 KVKs of Zone IX.

- Under Natural Resources Management Module, a total of 650 farmers benefitted covering area of the 148.35 ha. All activities conducted focusing on in-situ moisture conservation, soil test based nutrient application and pitcher irrigation, vermi-compost making etc.
- Under Crop Production Module, a total of 651 farmers benefitted and covered 314.20 ha area, focused on drought tolerant varieties, short duration varieties, crop diversification, integrated crop management etc. in wheat, mustard, barley and vegetable crops.
- Under Livestock and Fisheries Module, a total of 692 farmers benefitted through covering 911 animals and birds focusing the preventive vaccination, de-worming of animals and animal health camp and 19.00 ha area were covered.
- Under Institutional Interventions, through custom hiring various implements - rotavator, multi crop thresher and seed drill etc. were given, 271 farmers were benefitted and covered 110 ha area.
- Under Capacity Building, total 40 training courses were organized benefiting 1282 participating farmers.
- In Extension Activities, a total of 95 activities were organized benefiting 1628 farmers.



### Cluster Frontline Demonstrations of Oilseeds Kharif 2019-20 under NFSM

Under CFLD on Oilseeds project during kharif 2019-20 in Madhya Pradesh state. In soybean crop 375 ha area covered with 917 demonstrations by using line sowing, ridge & furrow and ICM technology. On maturity stage of crop due to heavy rains, there may be decrease in yield is 10 to 16 q/ha in potential districts expected. Similarly, groundnut and sesame crop demonstrated in 10 ha area with 25 demonstrations and 80 ha area with 199 demonstrations, respectively expected yield of groundnut is 14 q/ha by using INM & IPM technology and in sesame 5 q/ha using improved variety with line sowing. In niger, total 60 ha area covered with 150 demonstrations using line sowing and seed treatment technology.

In Chhattisgarh state, soybean crop demonstrated in 70 ha area with 146 demonstrations by using technologies ridge & furrow, broad bed furrow with improved variety and expected yield is 11 q/ha. Similarly in groundnut 80 ha area with 200 demonstrations laid out using line sowing, seed treatment, and IWM technology, expected yield of groundnut is 10 q/ha. In niger, 90 ha area covered with 210 demonstration using line sowing and seed treatment technology and in sesame 66 ha area covered with 119 demonstrations using line sowing with pre and post emergence herbicide and the expected yield is 6 q/ha.



### Cluster Frontline Demonstrations of Pulses Kharif 2019-20 under NFSM

Under Cluster Frontline Demonstration (CFLD) in pulses during 2019-20, total 808.80 ha area covered with 1975 demonstrations conducted by 39 KVK's of Madhya Pradesh. The major crops covered were Blackgram, Greengram and Pigeonpea. Using line sowing, ridge & furrow, IWM and IDM technology, 370 ha area was covered under Blackgram with 984 demonstrations and its expected yield was 13.55 q/ha. Similarly, greengram and pigeonpea were demonstrated in 78.40 ha and 366.40 ha area with 178 and 984 demonstrations, respectively. The expected yield of greengram and pigeonpea are 10.00 q/ha and 20.82 q/ha, respectively by using technologies IPM, line sowing with ridge & furrow, soil test fertilization, use of neem oil and bio-fertilizers like Pseudomonas, Rhizobium, etc.

Similarly in Chhattisgarh, 1368.80 ha area covered

with 1101 demonstrations conducted by 22 KVK's of the state. The major crops covered were Blackgram, Greengram, Pigeonpea and Horsegram. Crop blackgram was demonstrated in 250 ha area with 984 demonstrations using bund sowing, line sowing, ridge & furrow and its expected yield was 10.88 q/ha. Similarly, greengram and pigeonpea were demonstrated in 60 ha and 190 ha area with 118 and 429 demonstrations, respectively. The expected yield of greengram and pigeonpea are 10.00 q/ha and 17.25 q/ha, respectively by using technologies viz. und sowing, line sowing with ridge & furrow, gypsum application, soil test fertilization, use of bio-fertilizers like Pseudomonas, Rhizobium, etc. In Horsegram, 68 ha area covered with 136 demonstration and expected yield is 11.8 q/ha by using technologies like IWM, INM, line sowing with Multi-planter etc.



### KMA Activities

Kisan mobile advisories in various thematic area in agriculture, horticulture, animal husbandry, fisheries, enterprise, home science and weather are regular sent by KVKs to farmers in Madhya Pradesh and Chhattisgarh. More than two million farmers were covered through mobile advisories by 65 KVKs through 866 messages comprising the subjects of crop,

soil, livestock, farm mechanization, home science, marketing, awareness etc. In Zone IX during July to September, 2019. All KVKs under this institute are using mkisan portal for sending their mobile advisory. All the mobile network of villages in Madhya Pradesh and Chhattisgarh are connected through KMA.

| State | No. of village covered | No. of farmers Covered | No. of Messages (Text) | Type of messages |      |           |         |           |                    |              |           |                  |
|-------|------------------------|------------------------|------------------------|------------------|------|-----------|---------|-----------|--------------------|--------------|-----------|------------------|
|       |                        |                        |                        | Crop             | Soil | Livestock | Weather | Marketing | Farm Mechanization | Home Science | Awareness | Other enterprise |
| M.P.  | 43824                  | 1931621                | 602                    | 349              | 33   | 60        | 56      | 10        | 7                  | 21           | 28        | 38               |
| C.G.  | 11500                  | 1039940                | 264                    | 177              | 17   | 28        | 6       | 0         | 4                  | 16           | 5         | 11               |
| Total | 55324                  | 2971561                | 866                    | 526              | 50   | 88        | 62      | 10        | 11                 | 37           | 33        | 49               |

## Director's Desk

Dear Colleagues,

The ICAR-Agricultural Technology Application Research Institute (ATARI), Jabalpur is entrusted responsibility of coordination and monitoring of technology application and frontline extension education programs through Krishi Vigyan Kendras (KVKs) in Madhya Pradesh and Chhattisgarh.

26<sup>th</sup> Zonal Workshop of KVKs of Zone comprising of Madhya Pradesh and Chhattisgarh was organized at KVK Chhattarpur (Khajuraho) on July 27-29, 2019. Chief Guest of the programme Shri Narendra Singh Tomar Ji, Hon'ble Union Minister of Agriculture & Farmers' Welfare and Rural Development and Panchayati Raj inaugurated the workshop of KVKs on 27 July 2019. The workshop was attended by about 300 participants including Vice Chancellors of SAUs, Directors of ICAR Institutes, Representatives from NGOs, Officials from ICAR, Head and Scientist from KVKs and Innovative farmers. Award received by Progressive Farmers on ICAR Foundation Day on July 16, 2019 at New Delhi.

Kisan Mela Jal Shakti Abhiyan is being organised by 13 KVK. Inauguration of two days Brainstorming Session on Technological Innovations and Strategies for Farmers' Prosperity in Madhya Pradesh & Chhattisgarh was jointly organized by Indian Council of Agricultural Research, New Delhi and ICAR-ATARI, Jabalpur on 26-27 August 2019 attended by 460 participants including awarded, innovative and progressive farmers, Farmers Producer Organizations, farmer representatives, agricultural scientists and Directors of research institutes were participated. Live webcasting of the launch of National Animal Disease Control Programme (NADCP) by Hon'ble Prime Minister Shri Narendra Modi was done on 11th September, 2019. Krishi Vigyan Kendra, Morena, M.P. organized Mass Plantation Abhiyan and Farmers Gosthi with collaboration of IFFCO on 17th September, 2019 at Krishi Vigyan Kendra, Morena (M.P.). The chief guest Shri Narendra Singh Tomar Ji, Union Minister of Agriculture & Farmers' Welfare, Rural development and Panchayati Raj emphasized on crop diversification, enhancing the farmer's income from allied activities like Bee farming, dairy, poultry, fisheries with horticultural crops. The programme was organised by 78 KVKs and 131255 plants of like mango, guava, citrus, neem, bel, aonla, pakad, jamun, pipal and rudraksh etc. were planted and 11582 farmers and farm women attended the programme.

The First Meeting of Quinquennial Review Team of ICAR-ATARI Jabalpur and Kanpur was held at ICAR-ATARI Jabalpur on September 21-22, 2019 under the Chairmanship of Dr. Gaya Prasad, Ex-VC, SVPUA&T, Meerut. Swachhta Hi Sewa programme was organized by ICAR-ATARI, Jabalpur during September 11, 2019 to October 2, 2019. Hindi Pakhawada was organized September 14-30, 2019. The programme was chaired by Dr. S.R.K. Singh. Various flagship programmes like NICRA. CFLD Oilseeds and Pulses, ARYA, TSP, and Skill Development are running in selected KVKs of this institute. TSP is operational in 14 KVKs located in tribal region of Madhya Pradesh and Chhattisgarh. Under NICRA various climate resilient activities under the modules of natural resources, crop production, livestock and fisheries, institutional interventions, capacity building and extension activities are being carried out in 12 KVKs.



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