

Report on Three Days Farmer/WUA's Training on PIM and Water conservation Programme under National water mission at HIRMI Kurukshetra from 28.09.2016 to 30.09.2016.

As per sanction received from Ministry of water resources, RD & GR, New Delhi, vide Memo No. M-21011/3/2015-NWM (Pt.-1) dated 14-03-2016 & Joint Director, HIRMI letter No. 7820-23/57-E/PIM/CADA-Farmer dated 12.09.2016, three days farmer/WUA's training on PIM & Water Conservation Programme at HIRMI Complex, Kurukshetra was conducted from 28.09.2016 to 30.09.2016.



Following officers/Officials had assured their auspicious presence to impart training to the farmers at HIRMI Complex, Kurukshetra :-

1. Sh. Rakesh Chauhan, Principal Director, HIRMI Kurukshetra.
2. Dr. S.K.Gupta, Prof. INAE Programme, CSSRI, Karnal.
3. Dr. O.P. Lathwal, Senior Co-coordinator, KVK, Ambala.

4. Dr. S.P.Goyal, Senior Co-coordinator, KVK, Kaithal.
5. Sh. T.S. Puri Top Level Expert, Mohali Punjab.
6. Sh. Deepak Mann, Assistant Director, HIRMI, Kurukshetra.
7. Sh. Nathu Ram, CAD Division, Kurukshetra.
8. Sh. Himanshu Sharma, Assistant Director, HIRMI, Kurukshetra.
9. Sh. Pardeep Kumar, J.E., HIRMI, Kurukshetra.
10. Sh. Vikash Dhiman, J.E., HIRMI, Kurukshetra.

Total 39 No. of Farmers from different part of Haryana and 10 No. officers/officials had assured their presence in the training programme at HIRMI Complex, Kurukshetra.

Sh. Himanshu Sharma, Assistant Director, addressed a welcome speech to the farmers & further briefed about Farmers / WUAS Training on PIM & Water Conservation Programme being organized for the benefit of the farmers at Kurukshetra by the **Haryana Irrigation Research & Management Institute (HIRMI), Kurukshetra** under **National water mission**.



Sh. Himanshu Sharma, introduced the Guest Faculty Members and the officers present in the training programme to the farmers. He emphasized about background of Participatory Management, farmers participation through WUA's, their role in the water management at field level through their water courses.

Sh. Rakesh Chauhan, Principal Director, HIRMI Kurukshetra, Respected Principal Director explained to farmers about the available water resources and reduction in availability of water in future from canal due to Industrial activities & growth of population. He also spoke about the role of farmers & WUA's in lining of water courses and their Maintenance. He stressed upon recharging of ground water during rainy season from the Govt. schemes and also from their own resources.

Sh. Chauhan also shared his PIM experiences of different states and surrounding CAD area during his working with the farmers. He requested them to take active interest during construction of their water courses for ensuring better quality. He stressed upon resolving their conflicts and disputes through regular meeting of WUA's.



Two technical sessions were held on 1st day i.e. 14.06.2016 in which Sh. S.K.Gupta, Scientist, CSSRI, Karnal and Dr. O.P.Lathwal, Senior Coordinator, Krishi Vigyan Kendra, Ambala deliberated upon the Water management and latest agriculture practices for increasing water use efficiency with the farmers in the 1st technical session of the 1st day.

Dr. S.K.Gupta, Prof. INAE Programme, CSSRI, Karnal, apprised the farmers about canal water & ground water situation of State and valuable scarce water brought from the Bhakhra system and Yamuna system in the area. He also spoke about conjunctive use of ground water & canal water for different crops. He also informed regarding the scientific storage of food grains for longer storage and ways of saving the stored food grains from insect and use of chemical and bio-logical fermentation.



Dr. Gupta stressed upon using of micro irrigation techniques, thereby saving water resources. He explained about the method of water saving by application of

required quantity of water for root zone depth of plant. He also informed about use of pumping sets, removal of different faults in water supply pipe lines. He apprised about resistivity survey to know the sweet water zone for fields of farmers.

Dr. O.P. Lathwal,, Sr. Co-ordinator, K.V.K. Ambala during his address to farmers spoke about prevailing crops of the area, their recommended cultivation period, necessity of seed treatment before sowing. He also spoke about ground water situation especially of the Rohtak area and scarce valuable water availability from the Yamuna canal and conjunctive use of ground water & canal water for different crops. He explained the farmers about the use of modern agriculture techniques such as use of zero till machine in sowing and laser leveling of fields. He also discussed about different crops such as wheat, gram, barley and mustard etc., diseases in crops and their treatment, recommended application of farm yard manure.



In the 2nd session Sh. Nathu Ram Pacnchal of CAD Division, Kurukshetra and Dr. S.P.Goel, Senior Scientist, Krishi Vigyan Kendra Kaithal discussed the role of WUAs for optimum utilization of water and crop diseases management with the farmers and exchanged their views by open discussion with the participants.

Sh. Nathu Ram, CAD Division, Kurukshetra, He addressed the farmers during the training about the PIM implemented by CADA Haryana in the state & formation of WUA's. He discussed about the different schemes of CADA for benefits of farmers and necessity of training programme so as to create the sense of ownership among the farmers for lined water courses. He also spoke about necessity of deposit of Rs. 40/- per acre as share money in their WUA's bank account and thereby release of nine time amount of Rs. 360/- per acre as functional grant by Govt. to be deposited in the WUA's account as a fixed deposit in the bank, The interest amount can fixed deposit be utilized for maintenance and repair of lined water course if required in future.



Dr. S.P. Goyal , Senior Scientist, KVK, Kaithal, during his address to farmers spoke about judicious use of resources in pest management and dissects in infestation in crops, safe use and right selection of insecticides. He also discussed about major pest of wheat and other crops . He also imparted knowledge of bug, termite, loose smut, flugsmut, white rust and their infestation symptoms and their control in the crops.

He invited the farmers to take experts advice from experts of **HAU, Hisar** at toll free no. 1800-180-3001 from 10.00 to 12.00 am on Monday, Wednesday and Friday for agriculture problems and at toll free no. 1800-180-1184 for veterinary problems .

The participants were pleased with the deliberations and had also supported out their queries/problems on various issues related to PIM and Crop diseases.



On the 2nd day of training i.e. 29.09.2016 a field visit was organized and farmers were taken to “Centre of Excellence for Vegetables”, Gharaunda where advanced techniques by using drip/micro irrigation on the Israel pattern was shown to the farmers and the experts explained the benefits and economic of these techniques.



The farmers were then taken to National Dairy Research Institute, Karnal and advanced techniques relating to Dairy production and crop production were explained to farmers by the Dr. Dalip Goshani Head, KVK NDRI, Karnal. In the evening visit was organized to CSSRI, Karnal where Dr. D.S.Bundela explained the activities of CSSRI, Karnal to the farmers.



On the 3rd day i.e. 30.09.2016 Sh. Nathu Ram, CAD Division, Kurukshetra and Sh. T.S.Puri, Top Level Expert, Mohali, Punjab explained the Modern Agriculture Techniques, Micro Irrigation Methods and Rain Water Harvesting to the farmers. Their experience in the field was shared with the farmers a healthy and fruitful discussions were held which was fully enjoyed by the farmers.

Sh. T.S. Puri Top Level Expert, Mohali Punjab, spoke to farmers about proper management of available water in limited agricultural land and further stressed upon to purchase high breed seeds recommended by the experts from the different department agencies or from open market. He also asked to shift from traditional cereal crops of wheat & paddy to vegetable & other cash crops etc. and higher output varieties.



At the end of training programme Sh. Deepak Mann, Assistant Director/Trg-II, HIRMI Kurukshetra, briefed the participants about HIRMI activities for the farmers .He thanked the visiting guest faculty for delivering their expert advice and necessary persuasion for the cause of PIM and water conservation. He also replied for different queries raised by farmers during the training programme .



Sh. Pardeep Kumar, JE, HIRMI, Kurukshetra, thanked the farmers for their presence & also advised to take interest in the training programme and also asked about their problems & advised constructive suggestions. Farmers appreciated the efforts of HIRMI for the training programme and arrangements. The queries from farmers were addressed by experts and feedback was also taken from the participants.

Conclusion:- Three days PIM & Water Conservation training to farmers as mentioned above was successfully completed with a great sense of satisfaction to the participants. The boarding & Lodging arrangements made by HIRMI and other services were excellent. The main feedback from the farmers revealed that such programmes are highly educative and fruitful and may be organized repeatedly at different centers of State. A wonderful arrangements of transportation to the site, free and open discussions with the farmers has added additional value to the programme.