

**Krishi Vigyan Kendra  
Central Institute for Cotton Research  
Nagpur**

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**Annual Report - KVK, CICR, Nagpur (April 2019 to December 2019)**

**On Farm Trials (OFT) of Veterinary Science**

The following OFTs implemented in KVK adopted villages of Umred and Ramtek tahsils of Nagpur district

**1) Assessment of performance of new breeds of Chicken – CARI-NIRBHEEK and GIRIRAJA under Back Yard System of rearing in farmer's field**

Animal/Bird	Farming Situation	Treatments	No. of Farmers	No. of Birds
CHICKEN	Free range system	T1 – BYP with local chicken T2 - BYP with CARI-NIRBHEEK T3 – BYP with Giriraja	14	140

**2) Evaluation of fodder hybrid napier varieties under scientific management**

Crop	Farming Situation	Treatments	No. of Farmers	No. of cows
Fodder hybrid napier	Poor quality fodder & high cost of inputs	T <sub>1</sub> – Cultivation of CO-4 T <sub>2</sub> – Cultivation of DHN-10 T <sub>3</sub> – Cultivation of BHN-6	13	39

**On Farm Trails of Home Science Discipline**

**Assessment on suitability of mittens in harvesting soybean crop**

Treatment	ΔHR beats min <sup>-1</sup>			Area Covered m <sup>2</sup> /h	Av. Reduction in drudgery
	Before	After	%change		
T1 - local	77.67	124	59.06	123	7.56
T2 - UAS, Dharwad	77.03	95	22.09	127.4	2.44
T3 – MAU, Parbhani	78.04	94.02	20.12	119.1	1.33

Sem	0.98	3.1		1.04	0.32
CD5%	NS	NS		3.11	0.95
CV	3.77	8.91		2.32	25.15

Result: Use of Dharwad Mitten is significantly superior over Pharbhani mitten & Local practice as it covers more area with less time with less drudgery.



Soybean Harvesting with mittens

Assessment of performance of vegetables saplings transplanter & sapling carrier in chilly & brinjal transplanting

Treatment	Mean Time reqd.	%change	Mean Reduction in Drudgery	%change	Mean area covered / day
T1 – Manual Transplanting	160	5	8	25	160 m
T2 - Use of Sapling transplanter and sapling carrier)	152		6		152 m

Result : Transplanter with carrier is superior over T1 method as it reduces drudgery of farm women by 25% and covers 5% more area.



Farm women transplanting sapling with vegetables saplings transplanter

## FLD's on Livestock Enterprises

### Front Line Demonstrations (FLDs) on Livestock Production

Following technologies in livestock production were implemented on farmer's fields to set the potential yield of the technology in agro-climatic conditions of Nagpur district and to popularize proven technologies in Nagpur district

S. No	Name of the FLD	Type of Demonstration	Purpose of demonstration	No. of Animals	No. of famers
1	Supplementation of probiotic ( <i>Saccharomyces cervisiae</i> ) to pre-ruminant crossbred calves	Local check – Feeding of calf with local feeds & fodder T2 - T1 + Probiotic powder @ 25 g/calf/day X 30 days	To set impact level of probiotic feeding on body weight gain and feed intake of calves	30 cow calves	10
2	Feeding of area specific mineral mixture (ASMM) to lactating cows of Nagpur district	Local check –Semi-intensive feeding T2 – T1 + feeding of area specific mineral mixture (ASMM)@ 50 g/cow/day	To set impact level of ASMM feeding on milk production of cows	30 goats	10
3	Supplementation of mineral lick block to the local goats	Local check – Extensive method T2 – T1 + Lick block @ adlibitum	To set impact level of mineral supplementation on overall performances of goat	40 goats	10
4	Scientific cultivation of Fodder hybrid napier RBN-13 (Phule Jaywant) variety	Local check – CO4 T2 – RBN-13(Phule Jaywant)	To make available green fodder to dairy animals during period of scarcity	20 cows (4.0 ha)	10

## FLD's on Home Science Enterprises

Enterprise	Name of the technology demonstrated	No. of farmers	No. of units	Data on parameter in relation to technology demonstrated		% change in the parameter
				Demo	Local check	
Nutrition management	Nutrition garden	18	18	Rs. 135(week/family earning/100 m <sup>2</sup> )	Rs. 100(week/family earning/100 m <sup>2</sup> )	35
Recycling of agro residue	Cotton pellet as alternative cooking fuel	18	18	4g (ash recovered/200g cotton pellet)	6 g (ash recovered/200g coal)	34



**Demonstration of cultivation of vegetables on mulch**

## Cluster Front Line Demonstrations on Oilseed and Pulses Crop enterprises

Four CFLDs on oilseeds (i.e. Soybean (MAUS-158), Summer Groundnut(cv TAG-24+INM) & pulses (i.e. Pigeonpea (PKV-TARA), Chickpea (Rajvijay-203) were conducted on the adopted villages of Nagpur district viz. Chargaon, Muradpur, Hiwra, Surabardi and Bendoli. Several extension activities like field day, field visit of farmers and extension functionaries, group discussion and scientist farmers meet etc. were conducted for effective implementation of technologies. These demonstrations were conducted on 200 farmers field covering 80 ha. Area.



FLD on Redgram Field Day



FLD on Soybean Field Day

## Trainings organized

KVK organized 85 ON and OFF campus trainings for Practicing Farmers, Rural Youth and Extension Functionaries as follows

Sr. No.	Disciplines	No. of courses	No. of Total Participants	SC/ST Participants
1	Crop Production	14	532	171
2	Horticulture	8	328	105
3	Plant Protection	15	554	183
4	Veterinary Science	17	578	191
5	Home Science	15	539	162
6	Extension	16	592	189
	<b>Total</b>	<b>85</b>	<b>3132</b>	<b>1001</b>



KVK expert delivering lecture to the farmers in a training program sponsored by Ambuja Cement Foundation,



KVK expert delivering lecture to the farmers in a training program sponsored by ATMA

## Attracting and retaining rural youth in Agriculture (ARYA)

The Attracting and Retaining rural Youth in Agriculture (ARYA) project was initiated in the year 2015-16. KVK-CICR, Nagpur is one of the centre operating two enterprises for lively-hood of rural youth. 1) Developments of disease free sampling Nagpur mandarin 2) Fruits and vegetable processing. During the year 2019-2020, the KVK trained 71 rural youths for production of disease free seedlings of Nagpur mandarin, 56 rural youth of different self help groups for custard apple processing, its value addition, preparation of pickles, citrus juice and solar drying of vegetables. Additionally, KVK provided technical support to rural youth of Katol block for multiplication of Nagpur mandarin seedlings. Twenty four rural youth beneficiaries later developed their nursery on Nagpur mandarin and are generating significant income.

Seven rural youths from Ladgoan village, tahsil Katol also established their disease free nursery of citrus and Nagpur mandarin after acquiring training under ARYA.

Also organized three days training programme on Processing of citrus based products under on dated 07-09<sup>th</sup> August 2019. 35 rural farm female of 18-35 years of age group of Swayamsiddha mahila swayamsahayata group, Nagpur tahasil and Shree Ganesh Mahila Bachat Group of Umred tahasil attended the skill oriented training programme at KVK,ICAR-CICR ,Nagpur.. They have learned the processing of preparation of Orange, Sweet-lime and Lemon squash and pickles of seasonal fruits like Mango and Karvanda by learning by doing. They have started their own enterprises at their village level and are selling pickles, juice, squash, murrabba at village level and various different Exhibitions. They have started earning of Rs.8000/- month from September 2019.



Solar Drying of Vegetables



Value addition of Custard Apple

### **Dissemination of IRM Strategies for Pink Bollworm in Cotton in Nagpur district**

KVK, ICAR-CICR, Nagpur implemented “IRM-Dissemination of Pink Bollworm Mangement Strategies” project under Centrally sponsored NFSM: Commercial Crops in Nagpur district. Five villages near Bela viz. (Muradpur, Surabardi, Chargaon, Bothli and Bendoli) in Umred tahsil have been identified field day, field visit of farmers and extension functionaries, group discussion and scientist farmers meet etc. were conducted for effective implementation of technologies for management of pink bollworm in cotton.



## GKMS Scheme of IMD

A sponsored project on Gramin Krishi Mausam Sewa has started at KVK, collaborati project between IMD and ICAR for issuing location specific weather based agro-advisories for cultivation of the crops which will benefit the farming community of Nagpur district. The weather data on minimum/maximum temperature, relative humidity, rainfall, evaporation and wind direction is recorded and provided to the farmers through voice mails/messages. DAMU at CICR-KVK Nagpur prepared Agromet advisoryof13 Block of Nagpur District on every Tuesday and Friday & circulated to farmer using whatsapp group.



## Scientific Advisory Committee Meeting (SAC) of Krishi Vigyan Kendra, ICAR-CICR held

24<sup>th</sup> Scientific Advisory Committee Meeting (SAC) of Krishi Vigyan Kendra, ICAR-CICR, Nagpur was held on 04/06/2019 at its campus at Central Institute for Cotton Research, Nagpur. Members of line departments, Project Director ATMA, Associate Dean, College of Agriculture, Nagpur, State Animal Husbandry Department, District Sericulture Officer, innovative farmers of Nagpur district attended the meeting. Dr V N. Waghmare, Director, ICAR- CICR, Nagpur Chaired the meeting. While addressing the house, Dr. Vijay N. Waghmare stressed the need for popularizing the IRM technologies in the district for control of pink bollworm in ensuing season. He further added that adoption of IRM techniques may help farmers to effective management of pink bollworm by reducing the cost of production.

Earlier Dr. S. M. Wasnik, Principal Scientist, Extension and Head, KVK and Member Secretary SAC presented achievements of KVK during the year 2018-19. Annual Action Plan for 2019-20 was presented by respective Subject Matter Specialists and was discussed thoroughly in detail and suggestions of the house incorporated in the minutes. Dr. Panchbhai, Associate Dean, College of Agriculture, Nagpur, Dr. Nalini Bhojar, Project Director ATMA, Dr. Blaise D., Head of Department, Crop Production, CICR, Dr. Nandini Gogte, Head of Department, Crop Protection, CICR and other line department officials and SAC member farmers also attended and took part in deliberations. Dr. S. S. Patil, SMS (Extension) welcomed the guests, Dr. U. V. Galkate, SMS (Veterinary Science) proposed vote of thanks while Smt. S. Chauhan acted as reporters.



## Extension Activities Conducted by KVK

Various field days, farmers meet treatment camps were organized by KVK. The details are as below.

Sr. No.	Title of programme	Date	Venue	No. of participants	Dignitaries attended the programme
1	Parthenium eradication week	16 – 22 /08/2019	Takalghat	200	Sarpanch –Smt. Shardabai Shingare, Takalghat village
2	Kisan Mela	26/08/2019	Parshivani	1820	MLA - Sunil Kedar
3	Live webcasting of inaugural ceremony of Horrible – PM address National disease control programme. At. Mathura	11/09/2019	CICR, Nagpur	162	MLA- Samir Meghe, Dr. V.N. Waghmare Director ICAR-CICR, Nagpur.
4	Mega Tree Plantation Campaign	17/9/2019	CICR, Nagpur	100	Dr. V.N. Waghmare Director ICAR-CICR, Nagpur, Sh. Nalin Patel, ZM-IFFCO
5	Foundation Day of KVK	4/10/2019	CICR, Nagpur	250	Dr A. M. Paturkar, VC, MAFSU, Nagpur, Dr. V.N. Waghmare Director ICAR-CICR, Nagpur
6	Mahila Kisan Divas	15/10/2019	CICR, Nagpur	110	Dr. V.N. Waghmare Director ICAR-CICR, Nagpur
7	Live webcasting of Fertilizer Awareness Programme	22/10/2019	CICR, Nagpur	225	Dr. V.N. Waghmare Director ICAR-CICR, Nagpur
8	IRM Kisan Mela	07/11/2019	Village Bela, Dist. Nagpur	350	DSAO. Sh. Milind Shende, Nagpur
9	World Soil Day	05/12/2019	Village Chacher, Dist. Nagpur	300	JDA Bhosle, DSAO. Sh. Milind Shende, Nagpur
10	Kisan Divas	23/12/2019	Village Nildoh, Dist. Nagpur	105	Sarpanch- Sh. Jaydhar Shende, Nildoh
11	Jay Kisan Jay Vigyan Divas	25/12/2019	Village Bela, Dist. Nagpur	300	Dr. Nandini Gogkte, HOD Crop Protection Division, CICR Nagpur

12	Livestock Treatment & Vaccination Camp	28/08/2019	Kandri village, Tah. Ramtek	120 goats	Dr. Avinash Jumde LDO, Veterinary Dispensary Grade-I, Kandri, Tah.Ramtek.
13	Livestock Treatment & Vaccination Camp	30/08/2019	Aamdi village, Tah. Ramtek	100 goats, 22 cows & calves, 4 bullocks	Dr. Avinash Jumde LDO, Veterinary Dispensary Grade-I, Kandri, Tah.Ramtek
14	Livestock Treatment & Vaccination Camp	30/08/2019	Bhilewada village, Tah. Ramtek	50 goats, 24 cows & calves	Dr. Avinash Jumde LDO, Veterinary Dispensary Grade-I, Kandri, Tah.Ramtek

### **Krishi Vigyan Kendra, ICAR - CICR, Nagpur celebrated 25<sup>th</sup> foundation Day**

Krishi Vigyan Kendra, ICAR-Central Institute for Cotton Research; Nagpur has completed 25 years in service and wellbeing of farmers for Nagpur District since 1994 celebrated its **25<sup>th</sup> Foundation Day** on 4<sup>th</sup> October 2019 at its campus in Nagpur..

To commemorate its Silver Jubilee event started with inaugural function in presence of Chief Guest Dr Ashish M. Paturkar Hon. Vice Chancellor, MAFSU, Nagpur while Dr V. N. Waghmare, Director ICAR- CICR Chaired the function. Other dignitaries including Dr M. S. Kairon, Dr C. D. Mayee, Ex-Directors CICR, and Dr S. M. Wasnik, Head KVK & Principal Scientist ICAR- CICR, Nagpur shared the dais.



Chief Guest Dr Ashish M. Paturkar, Hon. Vice Chancellor, MAFSU in his address congratulated to KVK staff for successfully completion of 25 years in the service of Nagpur district farmers. He emphasized the need of promoting the integrated farming system and increasing farmer income through incorporation of enterprises like dairy, goat rearing and poultry farming.

In his address Dr M. S. Kairon, explained the role of KVK on technology transfer and stressed the need of carrying out adaptive research & proper impact assessment both at on-farm and off-farm levels. Dr C. D. Mayee, discussed evaluation and validation of location specific technology at KVK with the view to testing and assessment of technologies. He emphasized the need of validation of zero budgets farming for generating scientific data.

Chairman of the function Dr. V.N. Waghmare, congratulated present and ex-KVK officials for the achievements made by KVK and its out-reach to various stake holder. He also discussed the role played by KVK in outreach activities of CICR technologies for uplifting the farmers.

Earlier, Dr. S.M. Wasnik, Head KVK and Principle Scientist, ICAR-CICR, Nagpur in his welcome address discussed the achievement of KVK in last twenty five years. He discussed about the various projects successfully handled and on-going projects under KVK along with major activities for practicing farmers, farm women, rural youths and other stake holders.

During the session, four KVK Ex- Heads were felicitated for their valuable contributions to KVK; also five progressive farmers from Nagpur district Sh Aniket Lode, Devidas Patil, Parasaram Neware, Omprakash Gndhi and Smt Pushapatai Bhagat were facilitated for their innovative farming practices and motivating to other farmers in the area. Dr. Sunita Chauhan, SMS (Home Science) compared the programme while Dr. S. S. Patil, SMS (Extension) proposed the vote of thanks. During technical session S. M. Chepurwar & B. K. Singh Assistant Managers, RBI; Dr. RP Gajbhiye, HOD (Hort), College of Agriculture, Nagpur; Shuddhodhan P. Ramteke; Sh Suresh Gaikwad Regional Manager Mahabeej, Sh Rathod, District Manager Mahabeej guided the farmers on financial Literacy Programme, Citrus & other horticultural crops management, Honeybee Enterprise and Mahabeej activities. The programme was attended by 100 farmers sponsored by ATMA and large number of ICAR- CICR Scientific & other staff. All staff of KVK worked hard to make the programme successful

### **KVK's QRT Review team Visited KVK CICR Nagpur on 17.11.2019**

QRT team consisting of Chairman DR. A.S. Khokhar, Ex. VC, CCSHAU, Hissar, members Dr Rayzada, Ex- ADG Fisheries, Dr Ratan, Ex-DEE, Ranchi & Dr Saxena Ex-DEE, RAU Banswada along with QRT Member Secretary Dr Lakhan Singh, Director ATRI, Pune, Dr D.M. Mankar, DEE Dr PDKV Akola visited KVK CICR Nagpur on 17.11.2019. They visited KVK Units and farms and appreciated the activities. Director Dr V.N. Waghmare welcomed all members and briefed about CICR and KVK activities. All SMS and other staff also attended the meeting and shared their activities. Earlier, Dr.S. M. Wasnik, Principal Scientist & Head KVK ICAR-CICR. presented KVK work w.e.f. 2011-12 to 2018-19.. Overall, the QRT members appreciated the work of KVK CICR Nagpur and took note of vacant posts under KVK.



**Quinquennial Review Team Visit to the KVK-CICR, Nagpur**

## **KVK progressive innovative farmer participated at Farm Innovators Meet held at NASC Complex, New Delhi**

One of the progressive innovative farmer **Shri Aniket Subhashrao Lode**, Age -26 from Hingna Tahsil, District-Nagpur was nominated by ICAR- ATARI, Zone –VIII, Pune to participate in Farm Innovators Meet held at NASC Complex, New Delhi during 16-17 July 2019 on occasion of ICAR Foundation Day. Hon' ble Shri Narendrasingh Tomar, Union Agriculture Minister, Govt. of India, New Delhi, DR. A .K. Singh, DDG ( Agri. Ext.) ,ICAR, New Delhi, Dr. V. N. Waghmare, Director-CICR, Nagpur, Dr. Lakhansing, Director-ATARI, Pune and Dr. Paturkar, V. C., MAFSU, Nagpur were visited the stall and farmer briefed about the activities of Goat, Poultry & Quail farming performed by him for sustainable livelihood. Dignitaries have appreciated the innovative farmer to motivate and encouraged the rural youth & farm women to adopt goat , Poultry & Quail farming as an employment generation activities and doubling the income of farmers of surrounding villages under the technical guidance of KVK, ICAR-CICR, Nagpur.



## **IPM Module of vegetables to enhance the income of farmers**

Krishi Vigyan Kendra, CICR, Nagpur has designed the IPM Module of vegetables to enhance the income of farmers. Technological intervention as IPM component for controlling sucking pest (Aphid & Jassid) & nematodes have been undertaken in 5000 sq.ft area with an expectations of increased income in plot comprises of cabbage, cauliflower as main crop and marigold, mustard and coriander. At the same time

sorghum was planted along the borders as a trap crop & also acts as bird punchers. Also yellow sticky trap, pheromone traps and trico-card adopted.

In this model Bio-Dynamic formulation such as Jivamrut, Decomposer and Neemark 5% is applied which promotes use of organic resources for pest and diseases management of cole crops? With the application of the organic inputs up to 60 days infestation of Diamond back moth was not observed. It leads in saving on spraying for management of insect pest & diseases; it reduces expenditure on spraying of chemical for management of Diamond back moth. The produce from this model is organic and free from residue of agro chemicals. Farmers therefore will be suggested to implement the proposed model with a view to harvest the produce as organic and get premium prices with low investment and enhanced income.



### Extension Activities



**Kisan Mahila Diwas**



**World Soil Day**



**Live webcasting of Prime Minister’s “National Animal Diseases Control Programme on Foot and Mouth Disease & Brucellosis ”**





**Mega Tree Plantation Campaign**



**Distribution of Saplings**



**Swachhata hi Seva Programme**



**Swachhata Pakhwada Programme**



**Scientific Advisory Committee Meeting**



**Parthenium Awareness and Eradication**



**Live webcasting of Minister's "Fertilizer Awareness Programme"**



**Celebration of Krishi Vigyan Diwas**



**Constitution Day**

**Visit of ADG (Coordination) to KVK**



**Dr Kimothi , ADG Coordination ICAR visited KVK Goat Unit on 6 April 2019**

## Diagnostics Surveys Conducted

KVK conducted 24 diagnostic surveys in different villages of Nagpur district covering 486 farmers and 306 ha. Area including 122 goats, 63 large animal and 82 poultry. During the diagnostic survey the 23 problems in crops, livestock and poultry were identified and remedies were suggested to farmers to solve the problems.

## Fruits crops at KVK farm

Krishi Vigyan Kendra, CICR, Nagpur has established fruit crops such as Guava (L-49), Pomegranate (Bhagva), Orange (Nagpur mandarin) and Sweet Orange (Katol Gold), Mango and Sapota (Kali Patti) at its farm for the benefit of farmers and other visitors.

## Soil Testing Activities of KVK

Five hundred fifty (550) soil samples were collected from 31 villages of the Ramtek and Umred blocks of Nagpur district and also from the field of adopted farmers of KVK. The soil samples were analyzed for 12 different parameters in KVKs soil testing lab and 550 Soil Health Cards generated depicting the soil test based fertilizer recommendations.



## Development of fodder cafeteria at KVK's Farm:

KVK has established fodder cafeteria in its instructional farm with six perennial varieties of hybrid napier fodder crop viz. Phule Jaywant (RBN-13) and Phule Yashwant (RBN-9) developed by MPKV, Rahuri, BHN-6 developed by BAIF, Karnataka, DHN-10 developed by IGFRI, Regional Research Station, Dharwad, HBN-100 and CO4 developed by TNAU. Several farmers, rural youth, extension functionaries and trainees visited these demonstration plots during this year.

KVK generated a resource of Rs 57,200/- by selling 57,200 Stem cuttings/root slips of Hybrid Napier fodder crop to 30 farmers of Nagpur and surrounding districts during 2018-19. Besides that, 50,000 stem cuttings costing Rs.50,000/- was supplied to the 50 beneficiaries selected for conducting On Farm Trials in adopted villages of KVK.

Management



Hybrid napier DHN-10

KVK:



Hybrid napier RBN-13

KVK is managing a goat unit of Osmanabadi breed on scientific line at KVK's campus. Several goat owners and rural youths are benefited by acquiring practical skills from the goat unit. In addition, this goat unit has generated a resource of Rs.1,06,972/- during the year 2018-19 by selling 9 breeding bucks and 13 females which are bringing about genetic improvement in local goats.



### Advisory Services Provided

KVK has provided advisory services to the farmers, rural youth and extension functionaries through personnel guidance, telephonic calls and mobile services on agricultural production, protection technology and allied fields. Also, several batches of input dealers DEASI were taken to the fields. Through the advisory services 31,898 clients in Nagpur district were benefited.

### Participation in Exhibitions:

Name of event	Location	Date
State Level Exhibition	Deekshabhoomi, Nagpur	7 - 9 October, 2019
Agro-Vision	Reshimbagh, Nagpur	22-25 November, 2019
Kisan Mela Exhibition	CICR, Nagpur	29 November, 2019
Agro-Tech	Dr. PDKV, Akola	27-29 December, 2019

### Swachhta Hi Sewa (September 11 to October 02, 2019) & Swachhta Pakhawada (December 16 - 31, 2019) programme at KVK organized

KVK CICR organizes Swachhta Hi Sewa & Swachhta Pakhawada during September to December 2019 as instructed by ATARI Pune and every day to day report submitted to Director ATARI Pune as per their instructions as follows:

### Swachhta Hi Sewa (September 11 to October 02, 2019)

Sr. No.	Date	Name of activities as per theme	Site of Activity Undertaken	No. of Participants
1.	11/09/2019	Uprooting of Parthenium, animal shed cleaning	KVK-CICR, Nagpur	152
2.	12/09/2019	Cleaning of office premises	ATIC Building CICR, Nagpur	12
3.	13/09/2019	Cleaning of CICR premises	Outside of Entry gate CICR, Nagpur	21
4.	14/09/2019	Rally and cleaning of premises of veterinary dispensary at Kandri village	Kandri village	25
5.	15/09/2019	Cleaning of Quarter Campus at Bajajnagar, Nagpur	ICAR residential Campus at Bajajnagar, Nagpur	12
6.	16/09/2019	Cleaning of KVK	Inside building of KVK-CICR, Nagpur	10
7.	17/09/2019	Cleaning of KVK premises	Surroundings of KVK-CICR, Nagpur	15
8.	18/09/2019	Rally and cleaning of premises at KVK-CICR, Nagpur	KVK-CICR, Nagpur	30
9.	19/09/2019	Cleaning at CICR Agromet Observatory field	ICAR-CICR, Nagpur	17
10.	20/09/2019	Cleaning at Main Gate of KVK, ICAR-CICR, Nagpur	ICAR-CICR, Nagpur	12
11.	21/09/2019	Cleaning of KVK Guest House premises	ICAR-CICR, Nagpur	14
12.	22/09/2019	Cleaning campaign at village Chargaon of Nagpur district	Chargaon of Nagpur district	12
13.	23/09/2019	Cleaning campaign at Canteen premises of KVK-CICR, Nagpur	Canteen premises of KVK-CICR, Nagpur	15
14.	24/09/2019	Cleaning at ATIC Building Premises of KVK-CICR, Nagpur	KVK-CICR, Nagpur	12
15.	25/09/2019	Cleaning at KVK-CICR, premises	KVK-CICR, Nagpur	10
16.	26/09/2019	Cleaning at Farm Section premises of KVK-CICR, Nagpur	Farm Section	12
17.	27/09/2019	Cleaning campaign a KVK-CICR, premises	KVK-CICR, Nagpur	10
18.	28/09/2019	Cleaning campaign at in front of CICR main building premises.	KVK-CICR, Nagpur	15
19.	29/09/2019	Cleaning campaign at village Deoli, district Nagpur	village Deoli, district Nagpur	13
20.	30/09/2019	Cleaning campaign at KVK-CICR, Training Hall	Training Hall KVK-CICR, Nagpur	10
21.	01-10-2019	Cleaning campaign in front of the main gate of KVK-CICR, Nagpur	ICAR-CICR, Nagpur	12
22.	02-10-2019	ICAR-CICR Celebrated the 150th birth anniversary of Mahatma Gandhi by organising a cleanliness drive	ICAR-CICR, Krushi Kunj residential complex, Bajaj Nagar, Nagpur	60
<b>Total</b>				<b>501</b>

**Swachhta Pakhawada (December 16 - 31, 2019) on theme ‘Plastic Se Raksha – Swachhata Hi Suraksha’**

<b>Sr. No.</b>	<b>Date</b>	<b>Name of activities as per theme</b>	<b>Site of Activity Undertaken</b>	<b>No. of Participants</b>
23.	16-12-2019	Removal of plastic Garbage	ICAR-CICR,Canteen	15
24.	17-12-2019	Oath taken on avoiding of single use plastic by the farmers	Training Hall, ICAR-CICR,Nagpur	22
25.	18-12-2019	Organized School Rally on theme Swachhata hi suraksha and banned on use of single use of plastic.	Mahatma phule uccha prathamik shala,parsodi farm,Nagpur-441108	115
26.	19-12-2019	Awareness program on Ban single use of plastic.	KVK-ICAR-CICR,Nagpur.	23
27.	20-12-2019	Oath taken on avoiding of single use plastic by the students	Mahatma phule uccha prathamik shala,parsodi farm,Nagpur-441108	85
28.	21-12-2019	Conducted Essay Writing Competition on avoiding of single use plastic by the 8 <sup>th</sup> & 9 <sup>th</sup> Class students	Mahatma phule uccha prathamik shala,parsodi farm,Nagpur-441108	78
29.	23-12-2019	Oath taken on avoiding of single use plastic by the students	Z.P. School,Panjari,Nagpur	24
30.	24-12-2019	Given Awareness about Single Use Plastic disadvantages & Collecting of plastic bags near sonagon,Nagpur	Sonagon,Nagpur	9
31.	26-12-2019	Rally conducted at Ruhi School, Ruhi village, Nagpur on theme Swachhata hi suraksha and banned on use of single use of plastic.	Ruhi School, Ruhi village,Nagpur	44
32.	27-12-2019	Taken rally at KVK, ICAR-CICR campus regarding “Ban on Single use Plastic”	KVK, ICAR-CICR, Nagpur	45
33.	28-12-2019	Debate competition on avoiding of “single use plastic” by the students	Mahatma phule uccha prathamik shala,parsodi farm,Nagpur-441108	42
34.	30-12-2019	Making of news paper carry bags by the Primary School students to avoiding of “single use plastic”	Mahatma Phule Uccha Prathamik Shala, Parsodi farm, Nagpur-441108	34
35.	31-12-2019	Taking Oath & Awareness Programme on avoiding “ Single Use Plastic”	Godhni village, Umred	11
<b>Total</b>				<b>475</b>

## Meetings Attended

Scientist and Officials of KVK, CICR Nagpur represented in the following meetings/workshop/seminars/conferences

Name of the officials	Name of event	Location	Date
<b>Meetings</b>			
Dr. S. M. Wasnik Dr. S. S. Patil	Attended workshop meeting of state agril dept for kharip planning	Vanamati, Nagpur	18 April, 2019
Dr. S. M. Wasnik Dr. S. S. Patil	ATMA Governing body meeting	Nagpur	10 May, 2019
Sh. Eluka Sridhar	ATMA SREP Meeting	ATMA Nagpur	16.05.2019
Dr. S M Wasnik	Quarterly meeting of All India Radio	Akashwani Nagpur	28.05.2019
Dr. S. M. Wasnik Dr. S. S. Patil Dr. U. V. Galkate Smt. Sunita Chauhan Dr. P. B. Deulkar Dr. Amit Shahane Sh. Eluka Sridhar Sh.Prashanth Gaikwad	Scientific Advisory Committee Meeting	CICR, Nagpur	04.06.2019
Dr. S M Wasnik	Scientific Advisory Committee (SAC) meeting of KVK Selsura Wardha	organized at KVK Wardha	June 20, 2019
Dr. S. S. Patil	IRM – PBW Meeting	CICR, Nagpur	05.07.2019
Dr. S M Wasnik Dr. U. V. Galkate	Meeting on NFSM & National sustainable agriculture mission organized by State Agril. Dept	Collector's office, Nagpur	19.07.2019
Dr. S M Wasnik	District committee meeting on control of Pink Boll worm	Collector's office, Nagpur	July 31, 2019
Dr. S M Wasnik	Participated interaction meeting organized by ATARI Director & addressed by Dr Mohapatra, Hon DG, ICAR & Secretary DARE	Conference Hall, College of Horticulture, College of Agriculture campus, Pune	August 3, 2019
Dr. S. M. Wasnik Dr. S. S. Patil Dr. U. V. Galkate Dr. Amit Shahane Sh. Eluka Sridhar Sh.Prashanth Gaikwad	Meeting for Finalization of block level advisories for Nagpur district under GKMS, IMD	CICR, Nagpur	07.09.2019

Dr. S M Wasnik	Participated interaction meeting organized by ATARI Director Pune on Jalshakti Abhiyan – A water conservation campaigns	ICAR-DOGR , Rajgurunagar Pune	August 9, 2019
Dr. S M Wasnik	GB meeting of ATMA	Collector's office, Nagpur	August 29, 2019
Dr. S M Wasnik	Quarterly meeting of All India Radio	Akashwani Nagpur	September 3,2019
Dr. S M Wasnik	farmers mela organized by CITI CDRA & State agri dept. Wardha on Kapus pik sarkshan , gulabi bond ali ani vyavashtahpan etc	Dadaji Dhuniwale sabhagruh, Wardha	September 17,2019
Dr. S M Wasnik	Attended farmers mela on dissemination of IRM strategy	Mozari, Tiwasa, Amravati	September 24,2019
Dr. S M Wasnik	IRM – PBW Mela	Girad, Samudrapur, Wardha	15.10.2019
Dr. P. B. Deulkar	Attended NTI Interview for DAESI Course & Presentation for selection of NTI	Vanamati , Nagpur	14.11.2019
Dr. S. M. Wasnik Dr. S. S. Patil Dr. U. V. Galkate Smt. Sunita Chauhan Dr. P. B. Deulkar Dr. Amit Shahane Sh. Eluka Sridhar	Attended KVK's QRT Review team meeting at KVK,CICR-Nagpur	KVK,CICR-Nagpur	17.11.2019
Dr. S. M. Wasnik Dr. S. S. Patil Dr. U. V. Galkate Smt. Sunita Chauhan Dr. P. B. Deulkar	Attended KVK's QRT Review team meeting at Dr. PDKV, Akola	Dr. PDKV, Akola	18.11.2019
Dr. P. B. Deulkar	Meeting of Rural Programme Advisory Committee and preview of proposed schedule for the quarter Janaury-March-2020	All India Radio, Nagpur	28.11.2019
Dr. S. M. Wasnik	Quarterly meeting of All India Radio	Akashwani Nagpur	4.12.2019
Dr. S. M. Wasnik Eluka S.	World Soil Day programme	Chacher, Mouda, Nagpur	5.12.2019

Dr. S. M. Wasnik	Integrated Pest & Nutrient Management in Cotton meeting for farmers under SCSP project	village Thombra, Tha-Umred, Disstt.- Nagpur,.	17/12/2019
Dr. S. M. Wasnik Smt Sunita Chauhan Eluka S Pravin Ambade	Ban on single use plastic programme for school students	Mahatma Phule Upper & Primary School, Parsodi Farm, Nagpur	21.12.2019
<b>Workshop/Conference/Training</b>			
Dr. S. M. Wasnik	Govt of Maharashtra Project POCRA - Climate Resilient Agril Workshop on Climate Resilient Technology	VNMAU, Parbhani	18.4..2019
Dr. S. M. Wasnik	Annual Group Workshop of ACRIP, Cotton	NGRAU, Lam, Guntur	28.5.19- 1.6.2019
Dr. S. M. Wasnik Dr. S. S. Patil	Annual Group Workshop of KVKs organized by ATARI, Pune	ICAR Complex, Goa	14-16.06.2019
Dr. P. B. Deulkar	Innovative Farmers meet	ICAR New Delhi	16-17.07.2019
Dr. S M Wasnik	workshop for farm implements producers	VANAMATI Nagpur	August 27, 2019
Dr. S. S. Patil	Review cum Training Workshop of CFLD Oilseed & Pulses	KVK, DY Ptil Medical University, Kolhapur - I	10-12.12.2019
Dr. S. M. Wasnik Dr. S. S. Patil	ARYA Workshop	KVK, Kolhapur - I	12.12.2019
<b>Guest Speaker</b>			
Dr. S. M. Wasnik	Extension systems in cotton Production during training programme for newly recruited technical officials of CICR organized by HRD Cell	CICR, Nagpur	17.09.2019
Dr. U. V. Galkate	Livestock based enterprises for sustainable livelihood in rural area (Sponsored training by Ambhuja cement)	CICR, Nagpur	24.07.2019 27.07.2019
Dr. S. M. Wasnik	Field crop Demonstrations on cotton crop & Farmers visit organized by Mahabeej Ltd, Nagpur	Kuhi, Nagpur	13.11.2019
Dr. S. M. Wasnik Dr. S. S. Patil Dr. U. V. Galkate Sh. Eluka Sridhar	Goat production technologies for rural area (Sponsored training by CARD )	Nildoh, Tah. Hingna	23.12.2019

Dr. S. M. Wasnik Dr. U. V. Galkate Dr. B.B.Fand Sh. Eluka Sridhar	Feed management of dairy cattle (Sponsored training by CARD )	Mangrul, Tah. Hingna	28.12.2019
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### List of publications

1. Dr.S.M.Wasnik, Dr.Amit Shahane, Prashant Gayakwad & Dr Vijay Waghmare (2019) : Kapus Pik Utpadanawar Watawaran va Havamanacha Parinam . Magzine monthly Baliraja Page no 77-80 (June 2019)
2. Dr.S.M.Wasnik(2019) : e-kapas/e-communication. Magzine monthly Baliraja Page no 13-16 (September - 2019)
3. Dr.S.M.Wasnik, Dr.S.S.Patil, Dr.U.V.Galkate, Smt.Sunita Chauhan, Dr.P.B.Deulkar, Dr.Amit Shahane & Smt. Jayashree Yesankar Khobragade (2019) : Krishi Vigyan Kendra-- ropya mahostavi varsh : 25 Varshachi Vatchal. **Sovneir Kapus** CICR Nagpur published on occsassion of Kapas Mela 2019: page 92-98
4. Dr.S.M.Wasnik, Smt.Jayashree Yesankar Khobragade (2019) : Kapus Sahanshodhan Sanstha : Shetkaryankarita rabvat aslele prakalp **Sovneir Kapus** CICR Nagpur published on occsassion of Kapas Mela 2019: page 86-88
5. Dr.S.M.Wasnik, & Hinali Sawai (2019) : e-kapas/e-communication va CICR kapus app- kapus tantradhyan shetkaryanchya dari.. **Sovneir Kapus** CICR Nagpur published on occsassion of Kapas Mela 2019: page 82-85
6. Dr.Amit Shahane, Dr.S.M.Wasnik & Prashant Gayakwad (2019) : Krishi Vigyan Kendrachi Zillastariy Krishi- Havamanshashtra Seva: Shetisathi Havamanawar adhatit krishi sallagar sammittee. **Sovneir Kapus** CICR Nagpur published on occsassion of Kapas Mela 2019: page 78-81

### Radio Talks:

- ❖ Dr. S. M. Wasnik, Principal Scientist, Extension and Head, KVK delivered Radio Talk on Improved cotton cultivation techniques on dated 20.05.2019
- ❖ Mrs. Sunita Chauhan. SMS, KVK delivered Radio Talk on “Production of Organic Fertilizers” on dated 21.06.2019
- ❖ Smt. Sunita Chauhan delivered a radio talk on “Nutrition Garden” on Air, Nagpur on dated 09/07/2019.

### Expert Member

Dr. S. M. Wasnik, Principal Scientist, Extension attended Meeting of Expert Selection Committee on June 8, 2019 at Directorate of Cotton Development, GOI, Min. of Agri & Farmers Welfare, Nagpur for Engagement of Two Technical Assistants on contractual basis for Monitoring NFSM activities.