

Directorate of Extension Education



**Director
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Thrust Areas

- To formulate and impart in-service trainings to different categories of officers and field functionaries from line departments of Government organization and Non- Government organizations.
- To conduct short and long duration vocational trainings for front-line farmers, farm women, farm youth and school /college dropouts of the State.
- To assess the latest agricultural technology through front-line demonstrations for their wider adoption.
- To provide farm information services through various extension activities including literature for quick dissemination of technology.

Important Achievements:

A. Training Programmes

The Directorate of Extension Education has also been entrusted with the responsibility of conducting training programmes. These trainings are for the in-service employees of central and state Government, line departments, trainings for farmers, farm women, rural youth & field functionaries.

The trainings and workshops organized for in-service candidates during the year 2018-19 are given as follows:

- **Annual Zonal Review Workshop for KVKs of Rajasthan, Haryana & Delhi**

Annual Zonal Review Workshop for KVKs of Rajasthan, Haryana & Delhi was organised by ATARI, Jodhpur at Swami Keshwanand Rajasthan Agricultural University (SKRAU), Bikaner on 10-12 June, 2018. The objective of this workshop was to critically review the performance and progress of previous year activities and finalization of action plan 2018-19.

Director ATARI, Jodhpur Dr. S .K .Singh was the Chief Guest, whereas, Prof. B.R. Chhipa presided over the inaugural function, Dr S.K. Sharma, Director of Extension Education, SKRAU, Bikaner welcomed the delegates. All the Directors of Extension Education from State Agricultural Universities of Rajasthan and Haryana, 62 Senior Scientist and Head from all KVKs, Dean and Directors from SKRAU have participated in the zonal workshop.



Dr N.P. Singh, Director, ICAR-IIPR, Kanpur, Dr A.K. Tomar, Director, CSWRI, Avikanagar and Dr Gopal Lal, Director, NRCCS, Ajmer also shared their experiences and interacted with the KVKs scientists for future collaborations.

- **Training of Trainers under Skill Development Programme of ASCI**

A training for trainers under skill development programme of ASCI, was organized by the Directorate of Extension Education from 20-22 Sept., 2018. The training programme was sponsored by ASCI, Gurugram through ATARI, Jodhpur. Around 80 trainers from KVKs of Haryana, Delhi, M.P. and Rajasthan participated in this programme. The training programme was inaugurated by Hon'ble VC, SKRAU, Bikaner Pro. B.R. Chhipa.



- **Training for Vermi- Compost Producer and Organic Farmer**

Two trainings, one each on Vermi- Compost Producer and Organic Farmer conducted with the help of ARS, Bikaner. Both trainings were of 25 days duration and as per guide line by the ASCI 20 trainees participated in each training programme.

B. Other supportive extension activities

- **Exhibition**

Total five exhibitions were organized by Directorate of Extension Education, SKRAU, Bikaner during this year as reported in table 1.

Table 1 : Exhibitions conducted by the DEE

S. No.	Date	Place	Occasion	Important Visitors
1.	02.10.2018	ICAR-NRC Camel, Bikaner	Foundation Day of NRC Camel	Sh. Arjun Ram Meghwal , State Minister, GOI and DG, ICAR, Dr. T. Mahapatra
2.	27.10.2018	ICAR-CIAH, Bikaner	National Conference on Arid Horticulture	-
3.	7.03.2019	KVK, Lunkaransar	Farmers Fair	Sh. Arjun Ram Meghwal , State Minister, GOI and Prof. Vishnu Sharma, Hon'ble VC, SKRAU, Bikaner
4.	12/13.03.2019	SKRAU, Bikaner	National Seminar	-
5	4.04.2019	Regional Station, ICAR-CSWRI, Bikaner	Foundation Day of Regional Station of CSWRI, Bikaner	-

The Exhibition stall of SKRAU, Bikaner bagged 1st prize in stall competition in farmers fair at ICAR-NRC camel, Bikaner on 2nd October, 2018 in farmers fair. The main features of SKRAU stall were climate resilient technologies, value addition, date palm cultivation, non-conventional sources of energy, drip irrigation etc.



Sh. Arjun Ram Meghwal, State Minister, GOI, visiting Exhibition stall of SKRAU, Bikaner

- **Monthly News Paper ‘Chokhi Kheti’**

The monthly newspaper “Chokhi Kheti” is being published regularly since February 2002 covering all research based articles useful for the farming community of the state. Now this is also available on line on the University website www.raubikaner.org. The subscription rate of the paper is only Rs. 50/ per annum. The present membership of this paper is about 632.

C. Agricultural Technology Information Center (ATIC)

This project has been sanctioned in 1999 under the National Agricultural Technology Project. ATIC is functioning on 'single window delivery system' for meeting the requirements of the farmers in terms of new technology, seeds/planting material of improved varieties, vaccines,

diagnostic facility, literature, which was quite innovative and would help in bringing the institutions/SAUs closer to the farmers. Following activities were undertaken by ATIC during the year 2018-19.

- **Details on Farmer's visit**

S. No	Purpose of visit	Number of farmer's visited
1.	Technology Information	2284
2.	Technology Products	1505

- **Technology information provided**

(a) **Details on technology information**

S. No	Information category	Total number of farmers benefited	Category of information						
			Varieties / hybrids	Pest management	Disease management	Agro-techniques	Soil and water conservation	Post Harvest technology and Value addition	Animal Husbandry and fisheries
1.	Kisan Call Centre / other Phone calls from farmers	2570	965	517	857	221	95	103	82

(b) **Publications (Print & Electronic media)**

S. No	Particulars	Number sold	Revenue generated in Rs.	Number of farmers benefited
1.	Chokhi Kheti	632	-	632

(c) **Technology Products provided**

S. No	Particulars	Quantity	Unit of quantity	Value in Rs.	Number of farmers benefited
1.	Crop-Seeds	65.15 qt.		3,79,150	145
2.	Vegetable seed	00.18 qt.		4080	1360
3.	Fresh Vegetable	1.32 qt.		2640	
4.	I Planting materials II Seedlings	103 No.		12510	
5.	Vermin-compost	311.06qt.		1,55,530	
6.	Rabbits	02 No.		1200	
Total				555110	

- **Technology services provided**

S. No	Particulars	Number of farmers benefited
1.	Soil and water testing	Nil
2.	Plant diagnostics	Nil
3.	Others if any (please specify)	7

Krishi Vigyan Kendra

1. On Farm Testing (OFT)

To identify suitable solutions of the location specific problems being faced by the farmers in the adopted villages, on farm testing programme was taken up by KVKs on problems like low yield, plant protection, nutrient management and varietal assessment in crops like cluster bean, moth bean, green gram, groundnut, wheat, mustard, gram and vegetables like Carrot and onion. OFTs were also taken on fruit plant like kinnow, Pomegranate and Date-palm. In animals husbandry section buffalo and calf were taken in to consideration. This year total 39 On Farm Testing were taken by SKRAU, KVKs with the involvement of 361 farmers mainly for assessment of technologies.

2. Front line Demonstrations

Cluster Front line Demonstrations

The ICAR has sponsored a special programme of Front-line Demonstrations to demonstrate the genetic production potential of improved crop varieties and to disseminate latest proven technologies of oilseeds under NAMOOP scheme and pulses production among the farmers with the view to reduce the time lag between technology generated and its adoption under NFSM scheme. This will also enable field functionaries to elucidate the production constraints and limitations in the adoption of technology for onward transmission to scientists to reorient their research accordingly. In these demonstrations all the newly unfolded technologies are carried out under the direct supervision of scientists and technicians of KVKs by supplying the critical inputs.

During the reporting year, Demonstrations were conducted on 1144.2 hectares of land under front line demonstrations including oilseeds, (380.4 ha), pulses (565.0 ha) and other crops (198.8 ha). Total 2804 demonstrations were laid out under FLD.

3. Training Programmes

One of the mandates of Krishi Vigyan Kendras is to organize training programmes for practicing farmers, farm-women, rural youth and extension functionaries throughout the year. These trainings are conducted on the institution as well as in the villages, as per convenience of the target group and the nature of the training programme. The duration of programme may vary from one day to six months depending upon the complexity of the subject matter and need of the target group. During the year 2018-19 total 487 training programmes were organized by KVKs with the participation of 13247 participants. Out of these trainings, three trainings were organized for field functionaries, 14 for rural youth & 470 for farmers and farm women.

4. Knowledge Resource Management

This new mandate has been added to KVK activities and KVKs are working as Knowledge resource center specially in the field of agriculture and allied subjects for all the line departments as well as farmers of the district. Following activities had been under taken by SKRAU, KVKs during the year 2018-19 .

- **Publications :**

During the year , 95 articles, 49 extension literature(leaf let, folder, pump let etc.), 11 research papers and five training manual was published by the KVK scientists.

- **Telephone help line**

KVK scientists are providing immediate solutions to the farmers on telephone for their problems related to agriculture and allied disciplines. During the year total 4083 farmers contacted the scientists for solution of problems.

- **Trainings conducted for line departments.**

Line departments such as Department of Agriculture, Department of Horticulture, Department of Animal Production, Department of Women and Child Development, Department of Watershed Development etc. utilizing expertise of KVK scientists for training of their field staff, training of farmers and other activities. This year three trainings were conducted for field functionaries and 114 sponsored trainings for farmers and farm women with the participation of 70 and 3544 participants respectively.

5. Supportive Extension Activities

In order to pass on fruits of technology to the farming society as early as possible, various supportive educational activities such as field days, farmers fair, exhibitions, press release, farmer scientist-interaction, diagnostic services, educational tours, night camps, film shows etc. were organized by KVKs throughout the year. The details of these activities are given in Table given below;

Supportive Extension Activities organized by KVKs

S. No.	Activities Organised	Number	Participants
1.	Diagnostic services	90	825
2.	Farmers' visit to KVK	-	8998
2.	Scientist visit to farmers field	296	3799
3.	Farmer scientist interaction	5	63
4.	Field days	50	1488
5.	<i>Kisan gosthi</i>	34	695
6.	<i>Kisan mela</i>	3	3034
7.	Film show	64	2531
8.	Exhibition	15	-
9.	Farmers Meetings	25	649
10.	Exposure visit	59	8365
11.	Radio talk	53	-
12.	Press Release	212	-
13.	Soil Analysis	353	-
14.	Water Analysis	106	-
15.	Farmers school /Self help group/ FIG/ Farm science club	7	-
16.	<i>Chokhi kheti</i> membership	663	-
17.	Special day celebration	18	933
18.	Celebration of important days	29	1438
19.	Lectured delivered in other programmes	216	3466
20.	SMS services	2	492
21.	Swachhta hi sewa programme	1	14
22.	Pm Kisan Samman Nidhi Programme	7	1408

6. Seed production on instructional farms

To provide good quality seed to the farmers, Truthfully Labeled (TFL) seed production programme is being taken up by some *Krishi Vigyan Kendras* on their instructional farms. During the year 2015-16 following activities were undertaken for the utilization of instructional farm:

Utilization of instructional farms

Particulars	Crops	Area (ha)	Production (q)
1. Seed production			
Kharif 2018	Groundnut, Cluster bean, Green gram and Cowpea	57.5	281.51 (BS/ CS/TFL)
Rabi 2018-19	Wheat, Barley, Gram and Mustard	83.25	1898.43 (BS/TFL)
Total		140.75	2179.94
2. Commercial Crop Production			
Kharif 2018	Cluster bean, Groundnut and Cotton	10.5	205.53
Rabi 2018-19	Wheat	7.0	126.0
3. Jhunjhunu nursery	Alovera suckers	-	1000

TFL- Truthfully Labeled Seed, BS- Breeder Seed, CS-Certified seed, FS- Foundation seed

9. Important Publications.

Name of KVK	Literature Development			
	Article	Extension literature	Research paper	Training manual
Padampur	5	-		1
Bikaner	3	2	1	-
Lunkaransar	4	9		-
Jaisalmer	18	11	2	3
Pokaran	15	-	2	-
Jhunjhunu	20	05	06	1
Chandgothi	30	22		-
TOTAL	95	49	11	5

11. Facilities

Office, ATIC and museum buildings are available with all facilities including conference hall. For staying of Directorate is having farmers hostel (Kissan Ghar) with the capacity to accommodate 150 farmers at a time.