



Chapter - V

EXTENSION EDUCATION

5.1 Directorate of Extension Education

The Directorate of Extension Education was established according to the Chapter-3 Part-IX vide Section 14.1(3) of the Gujarat Agricultural Universities Act-2004, for dissemination of the research findings and technical information through extension education programmes. The main function of the Directorate is to plan, coordinate, organize and guide the extension education programmes in the University and to ensure efficient working of the extension activities in close coordination with other departments and state voluntary organizations, other officers and scientists of the University. Extension Education is one of the triple functions of the Junagadh Agricultural University to boost up the agricultural production. The University has been making substantial

contribution in diffusing and communicating agricultural technologies among the extension personnel and farming community of the region. The technologies generated in agriculture and allied sciences by the University are being transferred to the end users. Dr. A.M. Parakhia supervised and guided the extension education activities during the reporting year.

5.2 Extension Education Council

The Extension Education Council was constituted according to the provision of the Gujarat Agricultural Universities Act-2004 in exercise of the power vested under Section 62(1) in pursuance of Section 17(5). During the year 2012-13, Extension Education Council meeting was organized on 15.06.2012. The members of Extension Education Council during 2012-13 were as under.

No.	Name	Designation
1	Dr. N.C. Patel	Vice Chancellor (Chairman)
2	Dr. C.J. Dangaria	Director of Research & Dean PG Studies
3	Dr. A.M. Parakhia	Director of Extension Education (Secretary)
4	Dr. A.V. Barad	Principal & Dean, Agriculture Faculty
5	Prof. J.B. Savani	Principal & Dean, Agril. Engg. & Tech. Faculty
6	Dr. A.Y. Desai	Principal & Dean, Fisheries Science Faculty
7	Dr. R.R. Shah	Principal & Dean, Vet. Faculty
8	Dr. K.A. Khunt	Principal & Dean, Agri. Business Management Faculty
9	Dr. V.D. Khanpara	Professor & Head, Agronomy
10	Dr. Rajvir Yadav	Professor & Head, Farm Power & Machinery
11	Dr. C.K. Mandavia	Professor & Head, Genetics & Crop Breeding
12	Dr. Ravikala	Professor Animal science
13	Dr. B. A. Golakiya	Professor & Head, Biotechnology
14	Dr. K.H. Dabhi	Research Scientist (Wheat)
15	Dr. K. L. Raghavani	Research Scientist (Bajra)
16	Dr. P. K. Kapadia	Research Scientist (Horti.)
17	Dr. S.M. Dadhania	Principal, Agriculture Polytechnic
18	Prof. B.L. Parmar	Asstt. Ext. Edu., SSK
19	Dr. K. P. Baraia	Training Organizer, KVK, Jamnagar
20	Dr. M.N. Popat	Associate Director of Extension Education
21	Shri Naranbhai Patel	Farmers Representative, Navagadh (Jetpur)



5.3 Extension Education and Training Centres

No.	Course / Programme	Location
Diploma/Certificate Courses		
1	Agriculture Diploma School	Halvad
2	School of Baking	Junagadh
3	<i>Mali</i> Training Centre	Junagadh
4	Agro-Based ITI Centre	Junagadh, Mahuva
Training Programmes for Extension Workers		
1	Training & Visit System Training Centre	Junagadh, Targhadia
2	Centre of Excellence for Training (Oilseeds)	Junagadh
Training Programmes for Farmers/Farm Women		
1	<i>Krishi Vigyan Kendra</i>	Jamnagar, Targhadia, Amreli, Khapat, Nanakandhasar, Pipaliya
2	<i>Sardar Smruti Kendra</i>	Junagadh
Extension Education Programmes for Rural People		
1	Farm Advisory Service Centre	Junagadh
2	Extension Programme for Fisheries	Okha

Extension Education and Training Programmes

(I) Diploma/Certificate Courses for Farm Youths

The Junagadh Agricultural University continued various Diploma/ Certificate courses during the year under report as per the details given below.

No.	Name of Course	Duration	Location	No. of Students Completed the Course
1	Agriculture Diploma	2 years	Halvad	28
2	Bakery Training			
	➤ Basic Course in Baking Science	15 weeks	Junagadh	25 (2 Batches)
	➤ Special Training to Women	1 week	Junagadh	111 (9 Batches)
3	<i>Mali</i> Training	6 months	Junagadh	13 (1 Batch)
4	Agro-Based ITI (Seed Production Technology)	6 months	Junagadh	05 (1 Batch)

All these courses are aiming to impart skill oriented practical training to farmers' son/daughter in order to provide an opportunity for self-employment and employment in different organizations.





Bakery Training for rural youth

No.	Type of programme	No. of Programmes	No. of Participants
1	Bimonthly Workshop	04	101
2	Pre-seasonal Training Programme	02	81
3	Agriculture-6 (Oilseed) AGR-6	01	22
Total		07	204



Training under T & V scheme



Mali Training for rural youth

(II) Training Programmes for Extension Workers / Officers

(A) Training & Visit System

Junagadh Agricultural University has taken-up the task of training the extension personnel of the Department of Agriculture and Horticulture through T & V System. The bimonthly workshops, pre-seasonal training workshops and short-term training programmes organized for the extension personnel of the Department of Agriculture and the number of SMSs/AEOs who attended the programmes are given below.



Beneficiaries of T & V scheme

(B) Other Training Programmes

The centre has continued to provide better training to the extension personnel and technical personnel of KVKs to improve their technical competency. The details of the programmes are given below.



Khedut shibir and Diagnostic team visit

No.	Subject	No. of Activities	No. of Scientists allotted	Beneficiaries
1	<i>Khedut Shibir</i>	58	3/ <i>Shibir</i>	7628
2	Diagnostic Team	03	4-5/Team	150

Training programme of Second year Master degree students of Lok Bharti, Lok Seva Mahavidyalaya, Sanosara, Dist. Bhavnagar.

No.	No. of Trainees	Period
1	30	11.09.2012 to 15.09.2012 (Five days)

Collaborative training

No.	Name of training	Duration	Co- Organizer	No. of Trainees
1	Managerial Skill for Extension Personnel	16-20 July-2013	National Institute of Agriculture Extension Management (MANAGE), Hyderabad	25
2	Workshop on Video Production Technology	05-07 February 2013	Extension Education Institute (EEI), AAU, Anand	28



Dr. A.M. Parakhia, Director of Extension Education inaugurated national level training programme on Managerial Skills for Extension Personnel



Hon'ble Vice Chancellor Dr. N.C. Patel speech in national level training programme on Managerial Skills for Extension Personnel



Hon'ble Vice Chancellor Dr. N.C. Patel inaugurating workshop on Video Production Technology



Trainees of workshop on Video Production Technology



Other training

No.	Name of training	Duration	Organizer	No. of Trainees
1	Computer training on MS Office, Internet, Search, Surfing, Online Banking, Ticket Booking, etc. for family members of JAU Staff	25-Sep.-01-Oct. 2013	Director, IT Cell, JAU, Junagadh	46



Hon'ble Vice Chancellor Dr. N.C. Patel inaugurated the computer training for staff family members



Trainees of computer training for staff family members



Trainees giving feedback for computer training for staff family members



Faculty members of computer training



(III) Training/ Extension Education Programmes for Farmers/Farm Women

(A) Training Programmes

Training is essential to increase the efficiency of farmers, farm women, rural youths, *etc.* On-campus as well as off-campus training programmes

were organized based on the need and interest of the farming community.

Through the Transfer of Technology (TOT) Centres, 178 on-campus and 228 off-campus training programmes were organized, wherein 13119 participants received training. The details are given in Table 5.1.

Table 5.1 Training programmes organized by the Transfer of Technology Centres (KVKs) for farmers/farm women during the year 2012-13

No.	TOT Centre		No. of Trg. Prog.	No. of participants				Total
				Male	Female	Rural Youth	Other	
1	KVK, Jamnagar	A	34	887	185	85	86	1243
		B	48	1698	654	234	75	2661
2	KVK, Targhadia	A	33	699	231	72	140	1142
		B	40	900	217	22	00	1139
3	KVK, Amreli	A	39	618	344	79	00	1041
		B	41	1023	537	21	00	1581
4	KVK, Khapat	A	33	420	84	172	34	710
		B	50	874	437	00	00	1311
5	KVK, Nana Kandhasar	A	38	516	01	297	198	1012
		B	43	932	05	122	00	1059
6	KVK, Pipalia	A	1	42	8	00	00	50
		B	6	151	19	00	00	170
	Total	A	178	3182	853	705	458	5198
		B	228	5578	1869	399	75	7921
Grand Total			406	8760	2722	1104	533	13119

A= On-campus B=Off-campus



On Campus training programme



Off Campus training programme



(B) Extension Activities

The Transfer of Technology (TOT) centres also planned and organized extension activities like seminar/workshop/symposium, field/farmer's day, agriculture fair/exhibition, film/slide/video show, field visit, cattle camp, farmers' group/demonstration meeting, *etc.* by which total 2,54,451 beneficiaries benefited. The details of the extension activities organized and number of participants are given in Table 5.2

KVKs play an important role to provide guidance for income generation to the farmers by imparting skill oriented trainings. Besides, the KVKs conducted variety of extension activities, on farm testing, *etc.* The KVKs are also collecting feedback on farmers' problems, which are sent to the concerned scientists, as these will provide guideline in reforming further research.

Table 5.2 Extension activities carried out by TOT centres during 2012-13

No.	Name of activity	KVK					Total
		Targhadia	Jamnagar	Khapat	Amreli	Nana Kandhasar	
1	<i>Krushi mela</i>	02 (150000)	01 (4000)	01 (2061)	00	01 (2200)	05 (158261)
2	Field day	05 (141)	12 (283)	14 (218)	22 (267)	20 (435)	73 (1344)
3	Guidance on farm	24 (170)	38 (293)	234 (280)	18 (97)	26 (332)	340 (1172)
4	Guidance to visitors	137 (2054)	58 (1303)	2907 (2907)	750 (750)	111 (4928)	3963 (11942)
5	Press note	06	03	05	13	08	35
6	<i>Khedut shibir/</i> Night <i>shibir/</i> Group discussion	01 (45)	04 (159)	04 (95)	00	24 (1211)	33 (1510)
7	Guidance through telephone	2182	3138	1368	656	284	7628
8	Demonstrations	14 (197)	62 (1890)	12 (193)	00	00	88 (2280)
9	<i>Krushi gosthi /</i> Seminar	08 (136)	10 (184)	21 (324)	26 (275)	16 (793)	81 (1712)
10	<i>Khedut</i> meeting	09 (181)	29 (1079)	16 (278)	00	10 (607)	64 (2145)
11	T.V. programme	07	01	00	00	04	12
12	Radio talk	10	04	00	01	03	18
13	Popular articles	17	05	01	05	00	28
14	Video show/ Film show	18 (698)	02 (100)	38 (1126)	00	30 (1785)	88 (3709)
15	Cattle camp	09 (689)	00	00	00	07 (266)	16 (955)
16	Extension prog./ Training	05 (140)	04 (117)	01 (34)	00	00	10 (291)
17	Literature distribution	3840	5000	5305	851	3700	18696
18	Literature published	04	00	04	05	00	13

No.	Name of activity	KVK					Total
		Targhadia	Jamnagar	Khapat	Amreli	Nana Kandhasar	
19	Lectures	47 (3216)	115 (3793)	108 (345)	41 (1318)	93 (4307)	404 (12979)
20	Scientist's farm visit	24 (170)	38 (293)	425 (507)	367 (367)	33 (457)	887 (1794)
21	Vocational training	02 (94)	02 (68)	03 (72)	02 (45)	06 (189)	15 (468)
22	Crop demonstration	12 (105)	89 (89)	00	00	00	101 (194)
23	Sponsored/ Collaboration training	14 (626)	27 (2416)	17 (464)	16 (1664)	03 (653)	77 (5823)
24	<i>Krushi-Go-Vidya</i> subscriber registered	03	00	74	00	00	77
25	Diagnostic team	17 (137)	11 (39)	00	00	02 (41)	30 (217)
26	Student (RAWA)	01 (23)	01 (03)	00	00	01 (21)	03 (47)
27	Celebration of technology week	01 (511)	01 (369)	01 (189)	01 (353)	01 (571)	05 (1993)
28	Child day	00	00	01 (20)	00	00	01 (20)
29	Soil sample analysis	2420	00	35	48	59	2562
30	Participated in agril. exhibition	00	02 (14000)	03 (2814)	00	00	05 (16814)
						Total	6382 (2,54,451)

Figures in parentheses indicate number of beneficiaries/copies





(C) Front Line Demonstrations (FLD)

The front line demonstration aims to demonstrate the production potentialities of newly released and pre-released production technologies of pulses and oilseeds on farmer's field.

In all, 509 FLDs were conducted on various oilseeds and pulses, viz., castor, mustard, groundnut, sesamum, cotton, gram, wheat, pearl millet and cumin in 211.1 ha during *kharif* and *rabi* seasons through KVKs. The results are presented in Table 5.3.

Table 5.3: Performance of frontline demonstrations organized during 2012-13

No	Centre	Crop	Variety/ Treatment	No. of FLDS	Area (ha)	Av. yield (q/ha)		Increase in yield (%)
						Demo.	Local check	
1	KVK, Targhadia	Groundnut	GG-5	10	4.0	2.80	2.50	12.00
		Sesamum	GT-2	5	2.0	2.05	1.87	9.63
		Green gram	GM-4	5	2.0	Failed	-	-
		Gram	GG -3	10	4.0	15.88	14.58	8.92
		Pearl millet	GHB-538	10	4.0	42.90	38.42	11.66
		Groundnut	GG-20	2	2.0	8.77	8.19	7.08
		Groundnut Summer	GG-31	5	2.0	26.50	23.95	10.65
		Castor	GCH-7	5	2.0	17.14	15.50	10.58
		Wheat	GW-366	10	4.0	47.18	43.22	9.16
		Cumin	GC-4	10	4.0	7.93	7.25	9.38
		Cow	V.M. All Powder	10	-	1550 Kg/Lec.	1475 Kg/Lec.	5.06
2	KVK, Jamnagar	Groundnut NPV	GG-20	5	2	16.68	13.86	20.35
		Groundnut IPM	GG-20	5	2	14.21	12.44	14.23
		Chickpea	GG-3	15	6	18.29	16.84	8.61
		Wheat	GW-366	20	10	37.19	32.98	12.76
		Cumin	GC-4	12	5	10.13	8.80	15.11
		Green Gram	GM - 4	10	4	11.15	9.20	21.20
		Cotton IPM & INM	Bt	12	5	12.13	11.14	8.89
		Sorghum	GJ-38	10	5	109.17	97.03	12.51
3	KVK, Amreli	Groundnut	<i>Trichoderma</i>	19	9.6	14.26	13.23	7.79
		Groundnut Summer	TG - 37	10	4	17.37	15.79	10.01
		Sesame Summer	GT-3	10	4	11.33	10.35	9.47
		Gram	GG-3	10	4	14.32	12.80	11.88
		Cumin	GC-4	10	4	5.51	4.96	11.09
		Wheat	GW-366	25	10	31.49	28.35	11.08
		Cotton IPM	Bt	15	7.5	19.45	17.17	13.28
		Soybean	GS - 3	10	4	13.35	11.43	16.80
4	KVK, Khapat	Wheat INM	GW-366/496	20	10	36.83	33.41	10.3
		Coriander	GC-2	10	4	14.05	12.95	8.5
		Cumin	GC - 4	10	4	13.36	12.47	7.07
		Groundnut INM	GG 20	20	8	14.95	13.47	11.01
		Gram	GG-3	16	8	20.42	18.82	8.5
		Cotton INM	Bt.	25	10	32.03	26.54	20.7
		Lucerne	Anang-2	13	5	751.00	681.00	9.2



No	Centre	Crop	Variety/ Treatment	No. of FLDS	Area (ha)	Av. yield (q/ha)		Increase in yield (%)
						Demo.	Local check	
5	KVK, Nana Kandhasar	Groundnut	GG-31	10	4	8.81	7.79	13.09
		Sesame	Guj. Til-3	10	4	4.67	4.10	13.90
		Green Gram	GM-4	10	4	5.86	5.15	13.69
		Cotton	Bt.	25	10	16.40	14.88	10.22
		Bio -agent Groundnut	<i>Trichoderma harzianum</i>	5	2	9.22	8.02	14.96
		Pearl millet	GHB-732	5	2	16.65	14.66	13.57
		Gram	GG-3	10	4	15.20	13.47	12.84
		Cumin	GC-4	20	8	8.03	7.09	13.19
		Wheat	GW-366	20	8	41.11	36.14	13.77
		Total		509	211.1			

(D) Farm Advisory Service Scheme / SSK, Junagadh

The Farm Advisory Service Scheme has been continued at SSK, Junagadh with a view to provide guidance and the latest information to the farmers on scientific farming. The farmers were advised regarding their farm problems through correspondence and field visit. This centre acted as a link among research scientists, extension workers and farmers. During the year under report, various extension activities carried out by the centre are given below.

No.	Name of activity	No. of activities	No. of participants
1	Agril. Fair	4	2,73,000
2	Agril. Exhibitions (participation)	6	36,895
3	<i>Khedut/Mahila Shibir/Group Meeting/Crop Seminar</i>	43	1,634
4	Agril. Literature Exhibition	4	9,960
		57	3,21,489

(E) Extension Activities under Centre of Communication (COC) Scheme

Objectives of COC Scheme

- To establish the *Gram Kisan Samitis*(GKS) in the rural areas.
- To train the members of *Gram Kisan*

Samitis in leadership, communication and cooperation for transfer of technologies.

- To disseminate the latest agricultural and allied technologies through *Gram Kisan Samitis* in rural areas.
- To carry out different extension activities through GKS in different villages.
- To know the feedbacks from the farmers.

Three-day on campus training programme under Centre of Communication (COC) Scheme

No.	Subject	No. of Training Programmes	No. of Beneficiaries
1	Training programmes for farmers on scientific farming	02	75
2	Training programmes for farm women on <i>Adarsh Pasupalan</i> , Grain storage techniques <i>etc.</i>	03	132
	Total	05	207

One-day on campus training programme under Centre of Communication (COC) Scheme

No.	Subject	No. of Training Programmes	No. of Beneficiaries
1	Advanced Training on Good Agricultural Practices (GAPs)	02	174



Formulation of Gram Kisan Samitis during the year 2012-13

No.	Village	Taluka	District	No. of Gram Kisan Samitis
1	Mekha Timbi	Upleta	Rajkot	1
2	Isara	Upleta	Rajkot	1
3	Kharedi	Rajkot	Rajkot	1
4	Mota Bhandaria	Amreli	Amreli	1
5	Sarambhada	Amreli	Amreli	1
6	Vankia	Amreli	Amreli	1
7	Gopalgram	Amreli	Amreli	1
8	Bagsara	Bagsara	Amreli	1
9	Khari Khijadia	Bagsara	Amreli	1
10	Nani Khodiyar	Mendarada	Junagadh	1
11	Gundala	Mendarada	Junagadh	1
12	Bagdu	Mendarada	Junagadh	1
13	Divrana	Mangrol	Junagadh	1
14	Nakra	Manavadar	Junagadh	1
15	Gotana	Maliyahatina	Junagadh	1
16	Miya Vadala	Visavadar	Junagadh	1
17	Kalavad	Visavadar	Junagadh	1
18	Shapar	Visavadar	Junagadh	1
19	Raipur	Junagadh	Junagadh	1
20	Godavari	Muli	Surendranagar	1
21	Tikar	Muli	Surendranagar	1
22	Karsad	Muli	Surendranagar	1
Total				22

Khedut Shibirs organized during the year 2012-13 under COC scheme

No.	Village	Taluka (District)	No. of shibirs	No. of participants	Subjects covered
1	Mota Bhandaria	Amreli (Amreli)	1	50	Agriculture, Horticulture, Animal Husbandry and Efficient use of water through adoption of drip, sprinkler or micro irrigation systems.
2	Sarambhada	Amreli (Amreli)	1	108	
3	Paniya	Amreli (Amreli)	1	37	
4	Vankia	Amreli (Amreli)	1	100	
5	Gotana	Malia Hatina (Junagadh)	1	41	
6	Raipur	Junagadh (Junagadh)	1	36	
7	Vadal	Junagadh (Junagadh)	1	25	
8	Bagasara	Bagsara (Amreli)	1	80	
9	Khari Khijadia	Bagsara (Amreli)	1	106	
10	Shapar	Visavadar (Junagadh)	1	80	
11	Tikar	Muli (Surendranagar)	1	39	
12	Karmad	Muli (Surendranagar)	1	50	
Total			12	760	



Bakery Training organized during the year 2012-13 under COC scheme

No.	Village	Taluka (District)	No. of Training	No. of participants	Subject covered
1	Prabhatpur	Junagadh (Junagadh)	1	65	Preparation of bakery items at home.
2	Shapar	Visavadar (Junagadh)	1	23	
3	Agatrai	Keshod (Junagadh)	1	100	
4	Mota Bhandaria	Amreli (Amreli)	1	30	
5	Sarambhada	Amreli (Amreli)	1	48	
6	Paniya	Amreli (Amreli)	1	53	
7	Vankiya	Amreli (Amreli)	1	40	
8	Khari Khijadia	Bagsara (Amreli)	1	32	
9	Bagsara	Bagsara (Amreli)	1	66	
Total			9	457	

(F) Extension Activities carried out by Extension Education Centres

Extension activities carried out by various Extension Education Centres during the year are given below.

No.	Name of activity	Sardar Smruti Kendra, Junagadh	Fisheries Res. Station, Okha	School of Baking, Junagadh	Total
1	<i>Krushi mela</i>	-	03 (9419)	-	03 (9419)
2	Guidance on farm	-	10 (06)	01 (16)	11 (22)
3	Guidance to visitors	- (480)	04 (85)	37 (1424)	41 (1989)
4	Press note	02	-	-	02
5	<i>Khedut shibir / Night shibir / Group discussion</i>	01 (450)	02 (103)	-	03 (553)
6	Guidance through telephone	103	-	-	103
7	Guidance through letter	02	15 (917)	-	17 (917)
8	<i>Krushi gosthi / Seminar</i>	-	01 (177)	-	01 (177)
9	Radio talk	-	-	01	01
10	Video show/ Film show	-	10 (105)	-	10 (105)
11	Literature distribution	(14933)	02 (385)	-	02 (15318)
12	Agril. Exhibition	4 (9975)	-	-	04 (9975)

No.	Name of activity	Sardar Smruti Kendra, Junagadh	Fisheries Res. Station, Okha	School of Baking, Junagadh	Total
13	Agril. literature show	4 (9960)	-	-	04 (9960)
14	Fisheries training	-	05 (2699)	-	05 (2699)
15	Bakery training	-	-	14 (1092)	14 (1092)
16	Graduate student	-	03 (44)	-	03 (44)
17	Visitors	58 (7878)	-	-	58 (7878)
Total					179 (60,251)

Figures in parentheses indicate no. of beneficiaries/copies

5.4 Radio Talks and TV Programmes

The scientists of the university delivered radio talks from time to time on various agricultural and allied subjects from All India Radio, Rajkot. Moreover, the agricultural messages were also broadcasted from All India Radio, Rajkot. During the year under report, 21 such talks were delivered on different topics related to agriculture, horticulture, agricultural engineering, fisheries, animal husbandry, etc.

In all, 15 television programmes covering various aspects of agriculture, animal husbandry, agricultural engineering, horticulture, fisheries, home science, etc. were telecasted through Doordarshan Kendra, Rajkot in "Gram Jagat" "Krishi Darshan" programme for the benefit of farming community.

5.5 Publication of Extension Education Literature

No	Name of Office	Publication			Total
		Pamphlet	Folder	Booklet	
1	Vegetable Research Station, JAU, Junagadh	-	-	01	01
2	Sardar Smruti Kendra, Junagadh	15	17	04	36
3	Other Department	18	26	04	48
Total		33	43	09	85

University news bulletin named as "JAU News letter" is being published regularly by Directorate of Extension Education.



Various publications of Junagadh Agricultural University

Establishment of AGRISNET studio and Community Radio Station (CRS):

AGRISNET studio is established for the production of various multimedia gadgets/video CDs on modern agricultural technologies for farmers. During *Krushi Mahotsav-2012*, video CD on four agricultural technologies (Advantages of mulching, Recycling of agricultural waste, Role of micronutrients in crop production, Protected cultivation) in Gujarati were prepared and distributed in each village of seven districts of Saurashtra.



Infra- structural facilities for establishment of community radio station (*JUNAGADH KRUSHIVANI*) is created. The equipments for recording, editing and broadcasting have been purchased. The station will start functioning after getting License from Government of India.

5.6 Coordination of Extension Activities with Department of Agriculture, Horticulture, Animal Husbandry and Other Line Departments

Junagadh Agricultural University planned and organized various extension education programmes/ activities in coordination with different line departments of the state. The structural linkages exist under T & V system by constituting the technical committee at district, zonal and state level. The agricultural programmes of All India Radio as well as Doordarshan were finalized by such coordinated efforts. In AGRESO, the officers of other departments are the members and they contribute in formulation of technical programmes as well as in finalizing the recommendations for the farmers. The functional linkages also exist under T & V system through bi-monthly workshops, pre-seasonal workshops, fortnightly training, diagnostic team, state level crop seminars/workshop, etc. The coordination exists in follow-up programmes as well as in planning of farm trials. For transfer of technologies to the farmers, the farmer's day, krushi mela, group discussion, film show, etc. were organized through collaborative efforts.

5.7 Orientation Training Programme

During the year under report, 326 scientists/ teachers of the University were deputed for participating in the orientation training programmes/ Seminar/Workshop/Symposium, etc. organized within and outside the state to upgrade knowledge and skill for improving their faculty competence in respective disciplines.

Krushi Mahotsav-2012

Government of Gujarat is celebrating *Krushi Mahotsav* since 2005-06. In the *Krushi Mahotsav-2012*, Junagadh Agricultural University has spared

services of about 300 scientists/ officers to advise the farming community about the latest agricultural technologies. *Khedut shibirs* were organized in different districts by APMCs and other organizations. The details of *shibirs* organised by the university are given below.

No.	District	Taluka	Date	Beneficiaries Nos.
1	Junagadh	Hadmatia Gir	25.05.2012	225
		Una	28.05.2012	350
		Visavadar	29.05.2012	625
2	Amreli	Amreli	26.05.2012	550
		Babara	31.05.2012	375
3	Bhavnagar	Botad	19.05.2012	425
		Palitana	26.05.2012	510
		Mahuva	27.05.2012	1100
		Bhavnagar	28.05.2012	575
		Gadhada	28.05.2012	900
Total				5635

Seminars organized during the *Krushi Mahotsav-2012*

No.	Subject	Place	Date	Beneficiaries Farmers/ Farm women
1.	Problem and remedies related to alkaline soil	Manavadar	06.05.2012	253
2.	Value addition in agril. produce and storage method of food grain	Khapat	22.05.2012	128
3.	Soil reclamation and importance of micro nutrients in crop production	Jamnagar	25.05.2012	105
4.	Protective cultivation through net/poly house technology	Amreli	30.05.2012	243
Total				729

Beneficiaries of *Krushi Mahotsav-2012*

No.	District	Beneficiaries
1.	Junagadh	76,736
2.	Rajkot	64,288
3.	Bhavnagar	1,01,753
4.	Amreli	86,038
5.	Surendranagar	36,912
6.	Jamnagar	44,764
7.	Porbandar	10,119
Total		4,20,610



Attractive gate of *Krishi Mela-2012*



Inauguration of *Krishi Mela-2012* by Hon'ble Chief Minister Shri Narendrabhai Modi at Manavadar



Inaugural speech giving by Hon'ble Chief Minister Shri Narendrabhai Modi in the *Krishi Mela-2012* held at Manavadar



A large number of Farm women presents in the *Krishi Mela-2012* held at Manavadar



Departure of *Krishi Rath* by Hon'ble Chief Minister Shri Narendrabhai Modi in the *Krishi Mela-2012* held at Manavadar



A large number of Farmers presents in the *Krishi Mela-2012* held at Manavadar



Seed distribution under Seed Village Scheme



Seed production programme under Seed Village Scheme



SAC meeting at KVK, Jamnagar



SAC meeting at KVK, Amreli



Hon'ble Vice Chancellor Dr. N.C. Patel visit
Green house at KVK, Nana Kandhasar



Combined SAC meeting at KVK, Targhadia