

Chapter - 5

EXTENSION EDUCATION

The Directorate of Extension Education has to plan, coordinate, organize and guide the extension education programs in the University and to ensure efficient working of the extension education activities in close coordination with the development departments, voluntary and private organizations. Moreover, this Directorate encourages, guides and supports the extension education centres of the University to organize different extension education activities for the benefit of farming community.

Extension Education Council

The Extension Education Council has been constituted to consider and recommend the extension education programs/activities of the University. Tenth meeting of the Extension Education council was held

on 20/08/2016 at Yagnyavalkya Hall, AAU, Anand under the chairmanship of Dr. N. C. Patel, Hon'ble Vice Chancellor, AAU, Anand. The following members of Extension Education Council actively participated in the meeting.



1	Dr. N. C. Patel, Vice-Chancellor, AAU, Anand	Chairman
2	Dr. D. M. Korat, Representative of Director of Research & Dean, PG Studies, AAU, Anand	Member
3	Dr. K. P. Patel, Dean, Faculty of Agriculture, AAU, Anand	Member
4	Dr. A. M. Thaker, Dean, Faculty of Vety. Science, AAU, Anand	Member
5	Dr. J. B. Prajapati, Dean, Faculty of Dairy Science, AAU, Anand	Member
6	Dr. D. C. Joshi, Dean, Faculty of Food Processing Tech. & Bio-Energy, AAU, Anand	Member
7	Dr. D. R. Kathiriya, Dean, Agricultural Information Technology, AAU, Anand	Member
8	Dr. R. A. Sherasiya, Director of Horticulture Gujarat State, Gandhinagar	Member
9	Shri. B. U. Parmar, Joint Director of Horticulture, Gujarat State, Gandhinagar	Member
10	Dr. J. B. Patel, Representative of Professor & Head, Extension Education Dept. BACA, AAU, Anand	Member
11	Dr. V. J. Patel, Asso. Professor, Agril. Polytechnic, AAU, Anand	Member
12	Dr. C. P. Desai, Director, Extension Education Institute, AAU, Anand	Member
13	Dr. U. M. Patel, Senior Scientist, KVK, AAU, Dahod	Member
14	Shri. Chirag R. Patel, Representative of Senior Scientist, KVK, Mangalbharati, Dist. Chhotaudepur	Member
15	Dr. P. K. Sharma, Senior Scientist, KVK, Dethali, Dist. Kheda	Member
16	Dr. V. R. Boghra, Associate Director of Extension Education, DoEE, AAU, Anand	Member
17	Dr. Girish J. Patel, Training Organiser, Tribal Research cum Training Centre, AAU, Devgadhbhariya	Member
18	Dr. D. K. Dobariya, Associate Professor, WALMI, Anand	Member
19	Dr. M. N. Brahmabhatt, Registrar, AAU, Anand	Member
20	Shri. Vallabhbbhai Maganbhai Bamaniya, Progressive Farmer, Po. Nelsur, Ta. Garabada, Dist. Dahod	Member
21	Dr. Arun Patel, Director of Extension Education, AAU, Anand	Member Secretary

Zonal Research and Extension Advisory Committee (ZREAC)

The Committee consists of Director of Research, Deans of the various faculties, representatives of development departments, centres of extension education, crop and subject matter specialists, co-operative sectors, industries and progressive farmers.

Meetings are conducted regularly twice in a year (*kharif* and *rabi* season). The committee discusses in depth the adoption and its feedbacks on research recommendations and existing transfer of technology programs. The approved recommendations are then passed on to the concerned. The ZREAC was held for Rabi season on 26/09/2016 & for *Kharif* season on 07/02/2017.

Centres of Extension Education

Under the aegis of Directorate of Extension Education, following centres/ activities are functioning:

Sr. No.	Type	Name of Centre / Training	Location
1	Certificate Course	Training in Baking Technology	Anand
		Training in Commercial Poultry Farming / Advanced Training in Commercial Poultry Technology	
		Training in Gardening, Landscaping and Nursery Management	
		Training Program on Food Processing Technology	
		Training Program on Organic Farming	
		Training Program on Weed Management	
		Training Program on Integrated Pest Management	
		Training Program on Medicinal and Aromatic Plants	
		Training Program on Seed Production	
2	Training Centres for Extension Workers	Extension Education Institute (EEI)	Anand
		Training and Visit Centre (T&V)	
3	Training Centres for Farmers/ Farm Women/Rural Youth	Sardar Smruti Kendra (SSK)	Anand
		Krushvi Vigyan Kendra (KVK)	Arnej (Dist.Ahmedabad)
		Krushvi Vigyan Kendra (KVK)	Dahod
		Krushvi Vigyan Kendra (KVK)	Devataj (Dist. Anand)
		Tribal Training Centre (TTC)	Dahod
		Tribal Research cum Training Centre (TRTC)	Devgadhbaria Dist.Dahod
		Tribal Farm Women Training Centre (TFWTC)	
		Dairy Vigyan Kendra (DVK)	Vejalpur Dist.Panchmahal
		Pashu Vigyan Kendra (PVK)	Limkheda, Dist.Dahod

	Training Centres for Farmers/ Farm Women/Rural Youth	Transfer of Technology Centre (TOT)	Godhra
		Farm Technology Training Centre (FTTC)	Sansoli Dist.Kheda.
		Training Center (TC)	Jabugam Dist.Chhotaudepur
		Demonstration cum Training centre for Inland Fish Culture (DTCIF)	Devataj Dist.Anand
4	Advisory Services	Farm Advisory Services (FAS)	Anand
		Agricultural Technology & Information Centre (ATIC)	Anand
		Transfer of Technology Centre (TOT)	Anand
		Transfer of Technology Centre (TOT)	Arnej Dist.Ahmedabad
		Centre for Communication Network (CCN)	Anand
		Agri Polyclinic Centre (APC)	Dahod
		Publication Unit (PUB)	Anand
		Sardar Patel Agricultural Educational Museum (SPAEM)	Anand
5	Others	NARP Extension Scheme	Godhra Dist.Panchmahal
		NARP Extension Scheme	Arnej Dist. Ahmedabad
		<i>Krusha Mahotsav</i>	Anand
		Kisan Call Centre (KCC)	
		Krusha library	
		Directorate & Sameti	
		<i>Mera Gaon Mera Gaurav</i> (MGMG)	

Extension Education Schemes

Under the Directorate of Extension Education, twenty-five plan schemes, seven non plan schemes, four ICAR schemes and eight other agencies schemes are operating as given in Annexure 5.1.

Front Line Demonstrations and On Farm Trials Conducted by Extension Education Centres

(I) Front Line Demonstrations (FLDs)

The FLDs are aimed to demonstrate the production potentialities of newly released and pre-released production technologies on farmers' fields. The KVKs and other extension education centres have organized total **2329 FLDs** on various crops, farm implements, livestock and fishery during *Kharif*, *Rabi* and *Summer* seasons. The details of FLDs conducted during the year 2016-17 are given in the Tables 5.1 to 5.7.

Table 5.1 FLDs conducted by KVK, Arnej (Dist. Ahmedabad)

(A) Oilseeds /Pulses / Cereals / Horticultural Crops / Commercial Crops

Sr. No.	Crop	Technology Demonstrated	Variety	No. of Demo.	Area (ha)	Yield of Demo. plot (q/ha)	Local Yield (q/ha)	Yield Increase (%)
1	Castor	Varietal	GCH-7	10	05.0	22.30	19.20	16.14
2	Castor	Control of semi looper	GCH-7	10	05.0	20.80	19.60	06.12
3	Castor	Alternate furrow irrigation in castor	GCH-7	10	05.0	20.90	18.80	11.17
4	Chickpea	Biofertilizer	GG-3	10	05.0	10.40	09.55	08.90
5	Chickpea	Pheromone trap	GG-2	05	02.5	10.50	09.60	09.37
6	Paddy	Control of false smut	-	10	05.0	50.80	42.90	18.41
7	Paddy	Use of Leaf Colour Chart	-	10	05.0	51.20	46.20	10.82
8	Wheat	Micronutrient (ZnSO ₄)	-	10	05.0	13.20	11.70	12.82
9	Tomato	Pheromone trap	-	05	02.5	281.00	264.00	06.43
10	Tomato	Alternate furrow irrigation	-	10	05.0	301.00	268.00	12.31
11	Chilli	Introduction of improved variety	-	10	05.0	99.00	88.00	12.50
12	Okra	Introduction of improved variety	-	10	05.0	97.00	85.00	14.11
13	Mogra	Efficient use of fertilizer	-	10	05.0	30.00	26.50	13.50
14	Cumin	Varietal	GC-4	10	05.0	07.20	06.60	09.09
15	Cotton	Resource Conservation	ADC-1	10	05.0	11.50	10.40	10.57

(B) Livestock

Sr. No.	Category	Technology Demonstrated	No. of Demo.	No. of Units	Major Parameter (Milk Yield in Kg.)		Percent Change in Major Parameter
					Demo.	Check	
16	Mehasani buffalo	Deworming tablet	10	10	07.00	06.80	02.90



Krushi Vigyan Kendra, Arnej (Dist. Ahmedabad)



Krushi Vigyan Kendra, Devataj (Dist. Anand)



Krushi Vigyan Kendra, Dahod (Dist. Dahod)

Table 5.2 FLDs Conducted by KVK, Dahod

(A) Cereals / Horticultural Crops / Oilseeds / Pulses/ Commercial Crops

Sr. No.	Crop	Technology Demonstrated	Variety	No. of Demo.	Area (ha)	Yield of Demo. Plot (q/ha)	Local Yield (q/ha)	Yield Increase (%)
1	Wheat	INM	GW-496	25	10.0	26.40	25.70	02.72
2	Maize	Varietal	GM-6	50	20.0	14.50	12.80	13.28
3	Wheat	Varietal	GW-366	25	10.0	28.45	22.50	26.44
4	Clusterbean	Varietal	PNB	20	04.0	102.50	78.30	30.91
5	Chilli	Varietal	GVC-111	20	04.0	94.40	71.80	31.48
6	Okra	Varietal	GAO-5	20	04.0	101.40	84.80	19.58
7	Vegetable Pigeon pea	Varietal	AVPP-1	40	04.0	72.80	62.40	16.67
8	Clusterbean	Varietal	PNB	20	04.0	In Progress		
9	Ginger	Fungicides	-	20	04.0	132.70	127.23	04.30
10	Tomato	NPV	-	20	04.0	148.20	140.08	05.80
11	Marigold	Varietal	African Giant	30	02.0	68.70	47.20	45.55
12	Rose	INM	Local	30	04.0	830000 (No of Flowers / ha.)	490000 (No of Flower / ha.)	69.39
13	Soybean	Variety, Bio-fertilizer	NRC-37	50	20.0	15.19	12.80	18.67
14	Mustard	Variety, Bio-fertilizer	GDM-4	50	20.0	02.63	24.30 (Wheat)	-
15	Soybean	Neem oil	-	50	10.0	13.50	12.70	06.30
16	Gram	Variety	GG-1	25	10.0	16.20	14.30	13.29
17	Greengram	Variety	Meha	25	05.0	05.30	04.60	15.22
18	Pigeonpea	Variety	AGT-2	50	20.0	09.30	08.20	13.41
19	Chickpea	Variety	GJG-3, GG-1	75	30.0	13.85	08.25	67.88
20	Greengram	Variety, Bio-fertilizer	GAM-5	50	20.0	In Progress		
21	Gram	IDM	-	25	10.0	15.60	14.80	05.41
22	Gram	Pheromone trap	-	10	04.0	15.40	14.30	07.69
23	Gram	Trichoderma	-	25	10.0	14.50	13.70	05.84
24	Gram	Pheromone trap	-	25	10.0	14.80	13.90	06.47

(B) Livestock

Sr. No.	Category	Technology Demonstrated	No. of Demo.	No. of Units	Major Parameters (Milk Yield in kg)		Percent Change in Major Parameter
					Demo.	Check	
25	Calf	Pro-biotic	15	15	126.17	95.67	31.19
26	Buffalo/ Cow	Deworming & Disinfestations	50	50	06.29	05.55	13.46
27	Poultry birds	Breed: Kadaknath	30	10/ farmer	7.1 kg/5 month	7.6 kg/5 month	7.04
28	Heifer	Mineral mixture	15	15	40 % success of pregnancy		
29	Heifer	Mineral mixture	15	15	46.67 % success of pregnancy		
30	Buffalo/ Cow	Housing index	20	-	In Progress		

(C) Women Empowerment

Sr. No.	Technology Demonstrated	No. of Demo.	Name of Observations	Field Observation (Output/ Man hour)	
				Demo.	Check
31	Serrated sickle	25	Time saving and drudgery reduction	06.70	18.50
32	Wheel hoe	25	Time saving and drudgery reduction	61.5 m ² /h	45.3 m ² /h
33	Groundnut decorticator	25	Time saving and drudgery reduction	35 kg/h	10 kg/h

(D) Farm Implements and Machinery

Sr. No.	Crop	Technology Demonstrated	No. of Farmer	Area (ha)	Major Parameters	Filed Observation (Output/Man hour)		Percent Change in Major Parameter
						Demo.	Check	
34	Wheat	Tractor operated seed-cum-ferti drill	10	4.0	Yield	27.90	24.40	27.10
35	Maize	Pedal operated maize sheller	20	-	Shelling cost (Rs./kg)	0.37	0.61	64.86

Table 5.3 FLDs Conducted by KVK, Devataj (Dist. Anand)

(A) Oilseeds/ Pulses / Cereals / Horticultural Crops / Cash Crops

Sr. No.	Crop	Technology Demonstrated	Variety	No. of Demo.	Area (ha)	Yield of Demo. Plot (q/ha)	Local Yield (q/ha)	Yield Increase (%)
1	Mustard	Biofertilizer & sulfur	GM-3	10	04	23.20	20.40	13.73
2	Mustard	Spraying of sulfex 0.2% and Spraying of Imidacloprid 0.005%	GM-3	10	04	22.40	20.40	09.80
3	Greengram (Summer)	Certified seeds, bio fertilizer, Time and method of fertilizer application	GAM-3	75	30	Continue...		
4	Paddy	Improved variety	GAR-13	10	04	58.20	52.00	11.92

5	Wheat	Improved variety	GW-366	10	04	28.50	25.60	11.33
6	Paddy	Green manuring	Local	20	10	57.60	52.00	10.77
7	Paddy	Pheromone trap	Local	10	04	55.00	52.00	05.77
8	Tomato	Pheromone trap	Alankar	10	04	555.00	504.00	10.12
9	Okra	Improved variety	GAO-5	10	04	Continue...		
10	Rose	Biofertilizers	Local	10	04	102.00	83.0	22.89
11	Castor	Improved variety	GCH-7	10	04	23.20	21.6	07.41
12	Cotton	Management of Pink bollworm	Bt. Cotton	10	04	14.40	13.2	09.09

(B) Livestock

Sr. No.	Category	Technology Demonstrated	No. of Demo.	No. of Units	Yield		Percent Change in Major Parameter
					Demo.	Check	
13	Buffalo	Use of Anubhav Chelated mineral mixture	10	10	6.8 lit milk /day	6.0 lit milk /day	13.33
14	Buffalo	Deworming bolus and Deltamethrin	20	20	5.6 lit milk /day	5.0 lit milk /day	12.00
15	Livestock	Rooted slips of Guinea Grass	10	-	650 q/Acre	440 q/Acre	32.30

(C) Fisheries

Sr. No.	Technology Demonstrated	Variety	No. of Farmers	Area (ha.)	Fish Yield (q/ha)		Percent Change in Parameter
					Demo.	Local Check	
16	Use of supplementary feed	-	3	3.0	41.54	27.97	48.37
17	Health management	<i>Indian Major Carp</i>	2	2.0	29.00	21.00	38.10
18	Spawn to fry rearing in Pen culture	<i>Rohu</i>	2	2.0	42.00 (Survival %)	34.00 (Survival %)	23.53

Table 5.4 FLDs Conducted at TOTC, Godhra (Dist. Panchmahals)

Sr. No.	Crop	Season	Type of FLD	No. of FLD	Yield Increase Over Local Practices (%)
1	Maize	<i>Kharif</i>	Biofertilizer	65	17.18
2	Maize	<i>Kharif</i>	Adaptive trial	10	69.84
3	Maize	<i>Kharif</i>	ICAR	25	61.87
4	Maize	<i>Rabi</i>	Biofertilizer	65	19.05
5	Maize	<i>Rabi</i>	Adaptive trial	10	26.56
6	Maize	<i>Rabi</i>	ICAR	25	47.31

Table 5.5 Demonstrations conducted at ARS, Sansoli

Sr. No.	Crop	Technology Demonstrated	Variety	No. of Demo.	Area (ha.)	Yield (kg/ha)	Local Check (kg/ha)	Percent Increase in Yiled
1	Maize	Varietal	GAYMH-1	10	2.00	3112	2653	23.10
2	Maize	Varietal	GAWMH-2	10	2.00	3160	2857	10.61
3	Paddy	Varietal	GAR-13	08	4.00	4552	3351	35.80
4	Sesamum	Varietal	GT-3	05	2.00	1008	925	08.97
5	Castor	Varietal	GNCH-1	04	2.00	1902	1685	12.87

Table 5.6 Demonstrations organized under TSP in Dahod District by TRTC, Devgadhbhariya

Sr. No.	Crop (Season)	Technology Demonstrated	Bio-Input Distribution per Farmer	No. of Demo.	Result
1	Pigeon pea (<i>Kharif</i>)	Biocontrol technologies for the management of <i>Fusarium</i> wilt and pod borer	a) <i>Trichoderma</i> - 1kg b) <i>Beauveria</i> - 1kg c) <i>Bt</i> - 1kg / farmer d) <i>Pseudomonas</i> -1kg e) Azadirachtin- 1 lt f) Pheromone trap and lures (<i>Helicoverpa</i>) - 10 Nos / farmer	50	With the use of biocontrol inputs there was a significant control in <i>Fusarium</i> wilt and <i>Helicoverpa armigera</i> to the tune of 60-65% and 10-15% increase in yield was observed compared to untreated plots.
2	Chickpea (<i>Rabi</i>)	Biocontrol technologies for the management of <i>Fusarium</i> wilt and pod borer	a) <i>Trichoderma</i> - 1kg b) <i>Beauveria</i> - 1kg c) <i>Bt</i> - 1kg d) <i>Pseudomonas</i> -1kg e) Azadirachtin- 1 lt f) Pheromone trap and lures (<i>Helicoverpa</i>) - 10 Nos	50	There was a significant reduction in the disease and insect pests' damage and higher yield (12-15%) was recorded in the treated fields compared to untreated.
3	Okra (<i>Rabi</i>)	Biological interventions to enhance the production and productivity of okra	a) <i>Trichoderma</i> - 1kg b) <i>Beauveria</i> - 1kg c) <i>Bt</i> - 1kg farmer d) <i>Pochonia/Paecilomyces</i> - 1kg e) Biofertilizers - 2 lit f) Tricho cards - 5 Nos g) Azadirachtin- 1 l t h) Pheromone trap and lures (<i>Earias</i>) - 10 Nos	200	Good crop stand was observed in the fields with fewer incidences of pests and diseases.



Tribal Research cum Training Centre (TRTC), Devghadhbaria



Pashu Vigyan Kendra, Devgadhbaria



TSP, TRTC, Devgadhbaria



Krushi Vigyan Kendra, Dahod (Dist. Dahod)



ARS, Sansoli

Table 5.7 FLD Conducted by PVK, AAU, Limkheda

Sr. No.	Technology Demonstrated	No. of FLDs
1	Deworming and Disinfestation in milch buffaloes	230
2	Supplementation of bypass fat to buffaloes during early lactation	70
3	Mineral mixture (Buffaloes)	50
4	Fodder sorghum - Variety 'COFS 29'	20

(II) On Farm Trials (OFTs)

The On Farm Trials' (OFTs) aim was to conduct 'On Farm Testing' for identifying technologies in terms of location specific sustainable land use system. The KVKs have organized a total 628 OFTs on various crops/enterprises. The OFTs conducted during the year 2016-17 are given in Table 5.8.

Table 5.8 OFT Conducted at KVK, Arnej (Dist. Ahmedabad)

(A) Integrated Crop Management / Weed Management

Sr. No.	Name of Center/ Scheme	Technology Assessed	No. of Trials
1	KVK, Arnej (Dist. Ahmedabad)	1 Assessment of herbicide for weed control in irrigated Wheat	05
		2 Seed treatment of Thirum followed by sprays of propiconazole along with FYM	05
		3 Application of 280 kg N+ Seed Treatment with Trichoderma	05
		4 Nutrient management in Tomato	05
		5 Evaluation of Paddy Variety GAR-13	05
		6 Varietal evaluation of higher yield variety of cucumber (GC-1)	05
		7 Nutritional, Health and Seasonal Management in dairy animal	04
		8 Assess the bye pass protein feeding in heifer	03
		9 Anaemia prevalence among rural adolescent girls of Bhal region	15
		10 Processed pulse effect assessment on rural woman health	15
2	KVK, Dahod	1 Varietals Testing of Green gram	03
		2 Varietals Testing of Maize	03
		3 Varietals Testing of Tomato	03
		4 Effect of carbendazim and Trichoderma viridae in control of wilt in chickpea	03
		5 Management of pod borer in chickpea	03
		6 Enhancement of onion yield through proper spacing	03
		7 Evaluation of straw and polythene mulch for enhancing productivity of tomato	03
		8 The effect of area specific mineral mixture feeding on milk production	30
		9 Effect of using tobacco water + mustard oil + common salt solution for disinfestation	30
		10 Use of bullock drawn seed-cum-fertilizer drill	03

On Farm Testing by KVKs of AAU



3	KVK, Devataj (Dist. Anand)	1 Assess the economical and convenient transplanting period of paddy sowing	03
		2 Assess the economical and convenient method of wheat sowing	03
		3 Refined technology for control of Pod Borer in Chickpea	10
		4 Assess technology for control of Fruit and Shoot borer in Brinjal	10
		5 Assess performance of leaf colour chart for fertilizer management in paddy	05
		6 Varietal assessment of Cowpea (First year)	03
		7 Improvement of reproductive status of buffalo by feeding bypass fat after deworming	02
		8 Improvement of milk production and body coat of cross bred cows by control of internal and external parasites	02
4	DVK, Vejalpur (Dist. Panchmahal)	1 Mineral mixture to be fed to animals to enhance milk production	139
		2 Hybrid Napier grass rooted slips	300

Extension Education Training Programmes

1 Certificate Courses for Farm Youths/Farmers/Input Dealers

Anand Agricultural University conducts seven certificate courses on various subjects. Under these courses, total 317 farm youths/farmers/input dealers who completed the courses during the year 2016-17, and the details are given in Table 5.9.

Table 5.9 No. of Students/Farmers/Input Dealers Completed the Certificate Course During 2016-17

Sr. No.	Name of Certificate Course	Centre	Duration	No. of Training (batch per year)	No. of Farm Youths/Farmers/Input Dealers Completed the Course
1	Training in Baking Technology	FPT & BE, Anand	20 Weeks	02	53
2	Training in Commercial Poultry Farming / Advanced Training in Commercial Poultry Technology	Poultry Research Station, Anand	10 Weeks	03	57
3	Training in Gardening, Landscaping and Nursery Management	Dept. of Horticulture, BACA, Anand	6 Months	01	13
4	Vocational Course on Agricultural Engineering and Technology	CAET, Godhara	One Year	01	40
5	Certificate Course on Soil and Water Testing for Agriculture for farmers	Dept. of Agril. Chem. & Soil Sc., BACA, Anand	3 Weeks	03	69
6	Certificate in Agricultural Extension Services for Input Dealers	SSK, Anand	6 Months	01	40
7	Diploma in Agricultural Extension Services for Input Dealers	IDEA, Anand	One Year	01	45



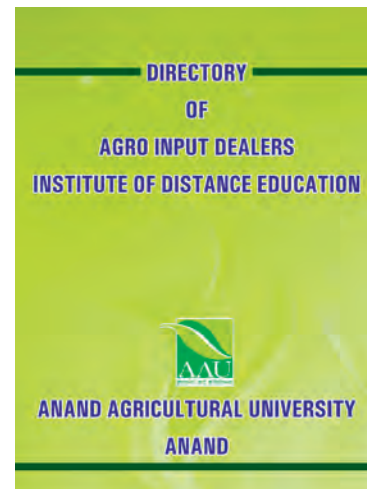
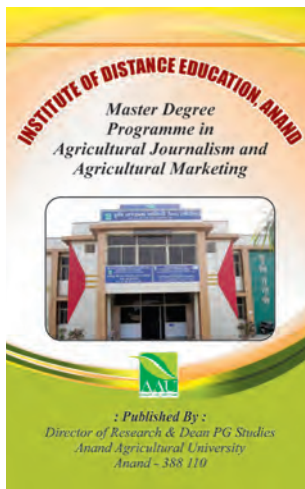
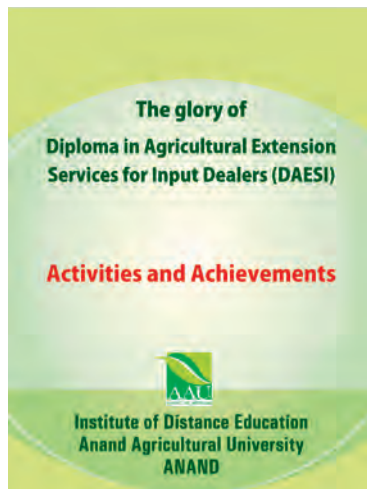
Training in Baking Technology



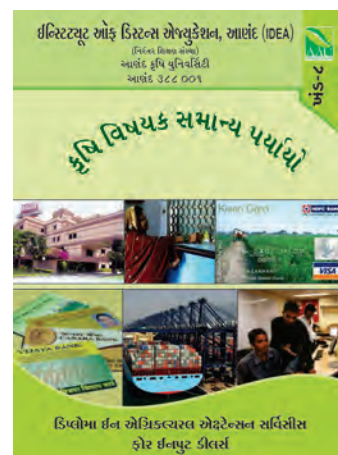
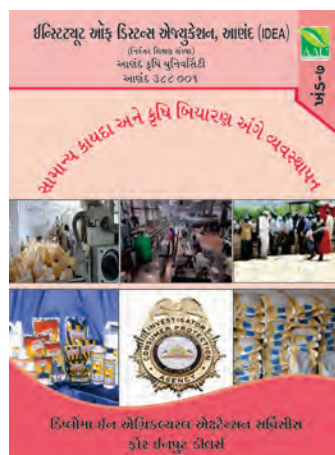
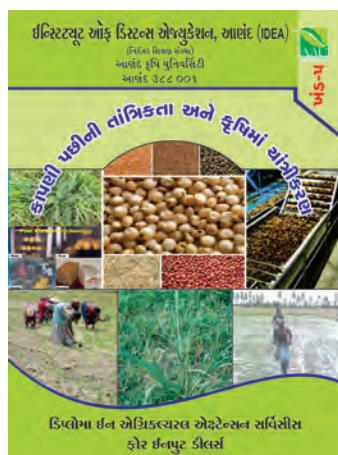
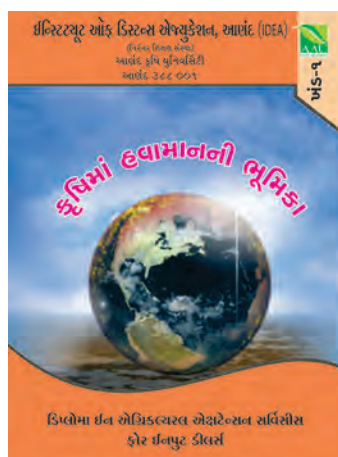
Training in Poultry Farming



Training in Gardening, Landscaping and Nursery Management



Diploma in Agricultural Extension Services for Input Dealers



Modules of Diploma in Agricultural Extension Services for Input Dealers



Inauguration of Certificate in Agricultural Extension Services for Input Dealers Course at SSK ,Anand

2 Special Training Programmes for Farmers

Six special training programs on various subjects for farmers were sanctioned during 12th FYP, run by AAU. The details of 51 special training programs carried out under the schemes are given in Table 5.10.

Table 5.10 Special Training Programs Conducted by Various Training Centres

Sr. No.	Subject of Training Programs	Centre/Place	No. of Trainings	No. of Beneficiaries
1	Food Processing Technology (FPT)	College of Food Processing and Bio-Energy, AAU, Anand	06	163
2	Organic Farming (OF)	Agronomy Department, BACA, AAU, Anand	12	438
3	Weed Management (WM)	Weed Control Department, BACA, AAU, Anand	04	182
4	Integrated Pest Management (IPM)	Agricultural Entomology Department, BACA, AAU, Anand	18	714
5	Medicinal and Aromatic Plants (MAP)	Medicinal and Aromatic Plants Research Station, AAU, Anand	02	152
6	Seed Production (SP)	Seed Science & Technology Department, BACA, AAU, Anand	09	254

3 Training Programmes for Extension Workers

(a) Extension Education Institute

The Extension Education Institute, Anand caters the extension training needs of middle level functionaries of various development departments of Western Zone States viz; Gujarat, Rajasthan, Madhya Pradesh, Chhattisgarh, Maharashtra, Goa and UTs of

Diu, Daman and Dadara Nagar Haveli. The aim is to improve their job performance, wherever they are working, in different capacities. The Management Committee of EEI approves action plan and reviews the progress of EEI activities. Total 75 training courses were conducted for 2066 trainees by the EEI, Anand during the year as shown in Table 5.11.

Table-5.11 Training Programmes Conducted During the Year 2016-17

Sr. No.	Type of Courses / Workshops	No. of Courses	No. of Participants
1	On-Campus	35	775
2	Peripatetic (Off-Campus)	34	1074
3	Collaborative (On-Campus)	01	28
4	Consultancy	05	189

(b) Training & Visit Scheme

The Anand Agricultural University has taken up the task of training for the extension personnel of the Department of Agriculture through the Training and Visit Centre at Anand. The details about bi-monthly

workshops, pre-seasonal trainings and special training programs organized for the extension personnel of the Department of Agriculture and the number of SMSs/AEOs attended the programs during 2016-17 is given in Table 5.12.



Training Programmes under Extension Education Institute, AAU, Anand

SPECIAL TRAINING PROGRAMMES AT AAU



Food Processing Technology



Organic Farming



Weed Management



Integrated Pest Management



Medicinal and Aromatic Plants

Seed Production

Table 5.12 Training Programmes Organized by T&V During the Year 2016-17

Sr. No.	Type of Program	No. of Training Programs	No. of Extension Personal	No. of Farmers
1	Bi-Monthly Workshops	03	91	-
2	Pre-seasonal Trainings	02	106	-
3	Trainings on Greenhouse/Nethouse	02	-	43
4	Training on Organic Farming	01	-	17

4 Training Programs for Farmers/Farm Women/Farm Youths/Extension Workers and Others

Training is essential to increase the efficiency of the farmers, farm women and farm youths and extension workers. On-campus as well as off-campus training programs are organized based on the needs and interests of the stakeholders through the Front

Line Transfer of Technology (TOT) Centres. Total 578 (On-campus-381 and off-campus-197) training programs by extension education centres were organized by AAU for 20010 beneficiary farmers and extension workers during 2016-17. The centre wise details of the training programs and their beneficiaries are given in Table 5.13.

Table 5.13 Training Programs Organized by TOT Centres during 2016-17

Sr. No.	TOT Centre	No. of Training Programs	Farmers	Farm Women	Farm Youths	Extension Workers/ Other	Total
1	SSK, Anand	A 52	2251	738	47	152	3188
2	KVK, Arnej	A 80	1474	567	200	47	2288
		B 66	1296	528	-	150	1974
3	KVK, Dahod	A 38	614	277	107	39	1037
		B 33	583	282	-	-	865
4	KVK, Devataj	A 41	891	140	39	18	1088
		B 41	582	271	93	-	946
5	TRTC, Devgadbaria	A 20	717	82	-	-	799
6	TFWTC, Devgadbaria	A 26	125	702	-	-	827
		B 04	11	82	-	-	93
7	DVK, Vejalpur	A 07	270	100	-	-	370
		B 31	1668	294	-	-	1962
8	PVK, Limkheda	A 41	397	787	-	-	1184
		B 08	32	189	-	-	221
9	FTTC, Sansoli	A 16	511	-	-	-	511
10	TC, Jabugam	A 14	649	-	-	-	649
11	DTCIF, Devataj	A 03	63	09	-	-	72
12	ATIC, Anand	A 02	197	337	-	32	566
13	TOT, Anand	A 06	201	-	-	-	201
14	TOT, Arnej	A 01	45	-	-	-	45
15	TOTC, Godhra	A 03	06	-	-	60	66

Trainings Programmes at AAU



Training Programmes under Training & Visit system



Sardar Smruti Kendra, AAU, Anand



Krushi Vigyan Kendra, Arnej (Dist. Ahmedabad)



Krushi Vigyan Kendra, Dahod (Dist. Dahod)



Krushi Vigyan Kendra, Devataj (Dist. Anand)



TRTC & TFWTC, AAU, Devgadhbharia



Dairy Vigyan Kendra, AAU, Vejalpur



Pashu Vigyan Kendra, AAU, Limkheda



FTTC, AAU, Sansoli



Training Centre, AAU, Jabugam



DTCIF, AAU, Devataj (Dist. Anand)



TOT, AAU, Arnej

16	APC, Dahod	A 05	122	43	-	-	165
		B 13	249	35	-	-	284
17	MMRS, Godhra	A 03	06	-	-	60	66
18	School of Baking, Anand	A 19	-	386	-	-	386
		B 01	-	36	-	-	36
19	DTCIF, Devataj	A 02	85	-	-	-	85
20	KCC, Anand	A 02	-	-	-	36	36
Total A		A 381	8624	4168	393	444	13629
Total B		B 197	4421	1717	93	150	6381
Grand Total (A+B)		578	13045	5885	486	594	20010

A = On-campus B = Off-campus

5 Extension Education Activities

The KVKs, TOT centres as well as the Advisory service centres and other centres have also planned and organized extension education activities. More than three lakh beneficiary farmers were benefited through various extension education activities conducted by

various extension, education and research centres of AAU whereas 1,03,434 beneficiary farmers were benefited by providing mobile advisory services (Voice and Text both) through KVKs of AAU during 2016-17. The details of the extension education activities organized under various centres/schemes are given in the Tables 5.14 to 5.17.

Table 5.14 Extension Education Activities Carried Out by KVKs of AAU during 2016-17

Activities	No. of Programmes	No. of Farmers	No. of Extension Personnel	Total
Advisory services	1278	109858	127	109985
Diagnostic visits	153	1343	98	1441
Field days	19	963	27	990
Group discussions	29	410	20	430
<i>Kisan ghosthis</i>	37	1670	26	1696
Film shows	132	3775	72	3847
Self Help Groups (SHGs)	03	60	-	60
Scientists' visit to farmers field	252	968	13	981
Farm Science Clubs	02	40	-	40
Ex-trainees <i>Sammelan</i>	04	117	04	121
Farmers Seminar/Sammelan	03	230	12	242
Method demonstrations	19	438	10	448
Celebration of important days	23	4061	325	4386
Exposure visits	22	869	08	877
Farmers visit to KVK	28	241	64	305
<i>Mahila mandal</i> meet	04	71	-	71
Newspaper coverage	31	Mass	Mass	Mass
Celebration of Jai Kisan Jai Vigyan/ Parthenium awareness weeks	04	1160	28	1188
Field visits	57	349	-	349
Goat show	01	55	-	55
Animal health camps	13	2325 animal treated		
Other	98	1819	-	1819

Extension Education Activities under KVKs of AAU



Krushi Vigyan Kendra, Devataj (Dist. Anand)



Krushi Vigyan Kendra, Arnej (Dist. Ahmedabad)



Krushi Vigyan Kendra, Dahod



Table 5.15 Mobile Advisory Services provided by KVKs of AAU during 2016-17

Name of KVK	Message Type	Type of Messages								
		Crop	Livestock	Weather	Events	Input Availability	Digital Finance Service	Awareness	Other Enterprise	Total
Arnej (Dist. Ahmedabad)	Text only	28 (28)	37 (37)	-	-	-	-	215 (215)	105 (105)	385 (385)
	Voice only	18 (18)	22 (22)	-	-	-	-	530 (530)	172 (172)	742 (742)
	Voice & Text both	12 (12)	15 (15)	-	-	-	-	78 (78)	82 (82)	187 (187)
Dahod	Text only	07 (7553)	01 (1315)	01 (1240)	-	-	-	02 (2718)	-	11 (12846)
Devataj (Dist. Anand)	Text only	02 (3127)	02 (42919)	-	01 (200)	01 (21477)	01 (21551)	-	-	07 (89274)
Total		67 (10738)	77 (44308)	01 (1240)	01 (200)	01 (21477)	01 (21551)	825 (3541)	359 (359)	1332 (103434)

Note: Figures in parentheses indicate numbers of participants/beneficiaries

Table 5.16 Extension Education Activities Carried Out in Tribal Area by TOT Centres during 2016-17

Sr. No.	Activities	TTC Dahod	APC Dahod	TRTC Devgadhbaria	TFWTC Devgadhbaria	PVK Limkheda	TOTC Godhra	MMRS Godhra	TC Jabugam	DVK Vejalpur
1	<i>Khedut shibirs/ Pashupalan shibirs/ Krushhi gosthis</i>	-	-	-	-	04 (7500)	14 (1680)	14 (1680)	-	-
2	Guidance to farmers	-	-	10 (92)	-	-	3731 (3731)	-	78 (245)	-
3	Films/Video shows	-	-	-	-	33 (1173)	-	-	-	-
4	Guidance through letters/ Telephone/ SMS	66	215	50	20	412	-	-	155	-
5	Field visit/ Crop diagnostic services	-	10 (48)	09 (408)	04 (143)	125 (238)	02 (72)	-	37 (123)	-
6	Cattle health camps	-	-	-	-	23 (6810)	-	-	-	21 (1231)
7	Lectures delivered for new Technology	-	-	15 (1310)	10 (920)	49 (2241)	86 (6066)	66 (6066)	-	-
8	Crop Seminars	-	-	-	-	-	01 (10000)	-	-	-

Note: Figures in parentheses indicate numbers of participants/beneficiaries

Extension Education Activities under TOT Centres of AAU



Table 5.17 Extension Education Activities Carried Out by TOT Centres during 2016-17

Sr. No.	Activities	SSK Anand	SPAEM Anand	ATIC Anand	PUB Anand	CCN Anand	TOT Anand	TOT Arnej	FTTC Sansoli	DTCIF Devataj
1	Farmers /Field Days	02 (184)	-	01 (60)	-	-	-	01 (Mass)	04 (1528)	02 (65)
2	<i>Khedut shibirs/ Pashupalan shibirs/Krushigosthis</i>	01 (62)	-	01 (400)	-	21 (541)	-	06 (125)	07 (202)	02 (170)
3	Group discussions	102 (1282)	-	62 (1600)	-	-	05 (167)	01 (45)	05 (185)	-
4	Guidance to farmers	152 (5092)	-	213 (2960)	1662 (1662)	89 (89)	24 (30)	-	195 (437)	30 (30)
5	Films/Video shows	112 (4520)	124 (7476)	10 (160)	-	-	2 (97)	-	-	-
6	Guidance through letters/ Telephone/ SMS	582	-	618	2611	101	49	50	298	-
7	Field visit/ Crop diagnostic services	83 (2607)	-	12 (298)	-	02 (30)	-	08 (08)	87 (217)	45 (56)
8	Newspaper coverage	11 (Mass)	-	06 (Mass)	16 (Mass)	02 (Mass)	-	-	01 (Mass)	02 (Mass)
9	Lectures delivered for new Technology	152 (5092)	-	47 (2048)	2 (70)	-	10 (248)	-	71 (2815)	05 (200)
10	Crop seminars	03 (Mass)	-	-	-	-	-	-	-	-
11	Escorting the visitors	235 (8460)	356 (22367)	-	-	-	-	-	-	-
12	<i>Gram kisan samitis</i>	-	-	-	-	22 (330)	-	-	-	-

Note: Figures in parentheses indicate numbers of participants/beneficiaries

6 Agricultural Fairs and Exhibitions

To communicate the agricultural technologies to many farmers at a time, AAU has organized/ participated in different agricultural fairs and exhibitions. The profile of AAU and the latest technologies developed by the University were displayed. Interaction between scientists and the farmers was also organized. The literature on the latest technologies was distributed to farming community during such fairs and exhibitions. More than 4,38,140 farmers were benefited through 39 agricultural fairs and exhibitions. The details of Agricultural fairs/ exhibitions held during the year are given in Annexure-5.2.

7 Publications

(i) Farm Magazine

The publication unit publishes the monthly farm magazine 'Krushigovidya' regularly since May, 1948. The main objective of this farm magazine is to disseminate and to popularise improved and scientific methods of agricultural and allied subjects in a very digestible and easily understandable manner for farming community. There were 8346 subscribers registered for this magazine during the year 2016-17.

The AAU gives the *Uttam Lekh Awards* (best articles awards) for authors whose articles publishes in *Krushigovidya* farm magazine from the year 2004-05. These Awards were given to 70

Agricultural Fair & Exhibition by AAU



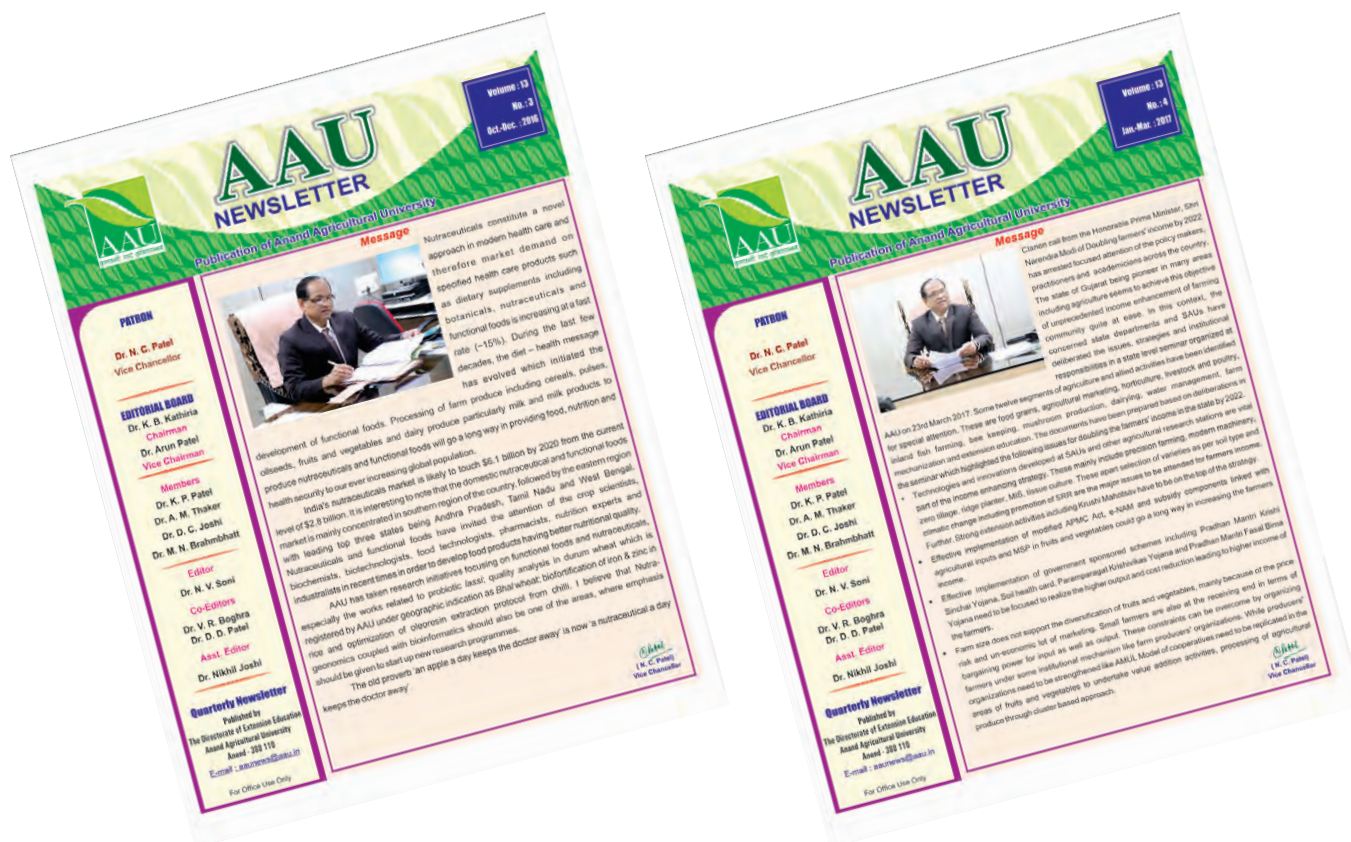
authors for their published 27 articles in 12 issues of 68th volume of *Krushigovidya* farm magazine.

Among them, 47 AAU scientists (67.14 %) received the *Uttam Lekh Awards*.



(ii) AAU Newsletter

The Directorate of Extension Education publishes a quarterly 'AAU Newsletter' regularly. The AAU newsletter gives research highlights, technical events / news, extension activities and noteworthy work done by the scientists of AAU.



(iii) Books

The publication unit has published seven books during 2106-17 for sale on various subjects for the benefit of farming community. This unit has published and distributed the farm literature during 2016-17 is shown in the Table 5.18 & 5.19.

Table 5.18 Books Sold by Publication Unit, DoEE, AAU, Anand during 2016-17

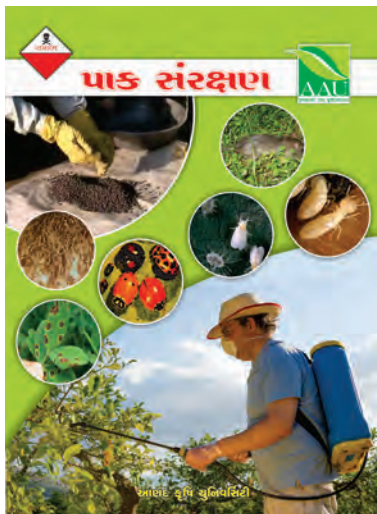
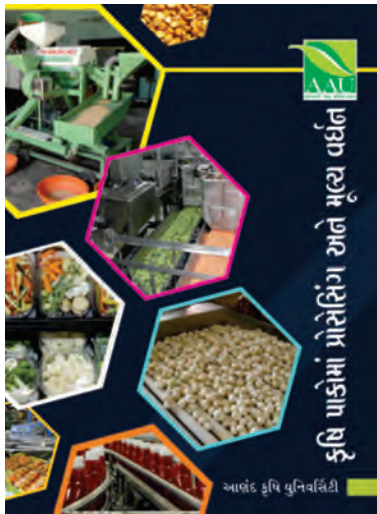
Sr. No.	Name of Book	No. of Copy Sold
1	<i>Mashroomni Kheti</i>	473
2	<i>Ambani kheti</i>	388
3	<i>Falpako</i>	683
4	<i>Pak samrakshan</i>	760
5	<i>Vermicompost</i>	699
6	<i>Shakbhaji pako</i>	826
7	<i>Masala pak</i>	21
8	<i>Vrukshoni kheti</i>	540
9	<i>Jaivik niyantran</i>	562
10	<i>Telibiya pakoni vaigyanik kheti</i>	752
11	<i>Ghaschara pako</i>	919
12	<i>Greenhouse ane nethouse technology</i>	650
13	<i>Krushikshetre vaprata kitnashako</i>	731
14	<i>Kitchen garden</i>	696
15	<i>Soyabinani vaigyanik kheti ane mulya vardhan</i>	616
16	<i>Deri udyog ane doodhanu mulya vardhan</i>	616
Total		11920

Table 5.19 Farm Literature Published and Distributed by Publication Unit, DoEE, AAU, Anand during 2016-17

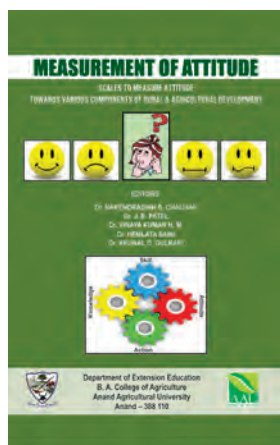
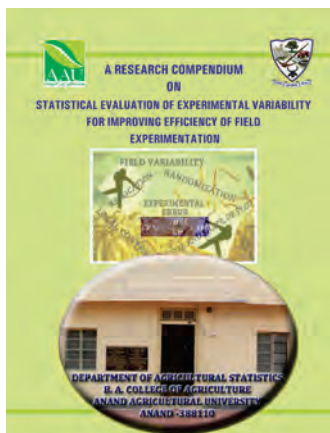
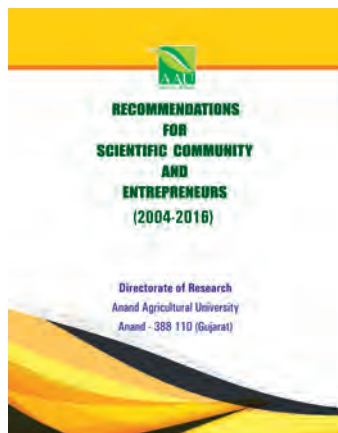
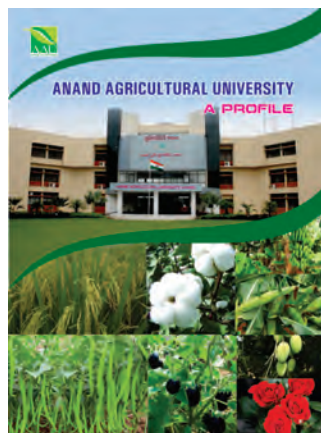
Sr. No.	Name of Publication	Type of Publication	No. of Copy Published	No. of Copy Distributed
1	<i>Krushu ane sanlagna ksetroni vaigyanik mahiti</i>	Book	30,000	30,000
2	<i>Guajaratna mukhy kheti pakonu arthkaran</i>	Book	1000	840
3	AAU Profile	Book	1000	640
4	<i>Sajiv kheti lesan plan</i>	Book	10000	10000
5	<i>Sajiv kheti ane poshan vyavastha</i>	Book	25000	25000
6	<i>Khedutoni aavak bamani karava 101 safalyagatha</i>	Book	6000	6000
7	<i>Khedutopyogi sansodhan bhalamano</i>	Booklet	2500	2000
8	AAU at a Glance	Folder	4000	2000
9	<i>Anand krushi university ek vihangavlokan</i>	Folder	6000	3500
10	<i>Anand krushi university diary 2017</i>	Diary	1600	1600
11	AAU Newsletter (Quarterly)	Newsletter	2800	2800
12	<i>Krushigovidya Farm Magazine (Monthly)</i>	Farm Magazine	95482	95482
Total			1,85,382	1,79,862

Total 1,79,862 farm literature was distributed by publication unit to farming and scientific community during 2016-17.

AAU Publications at a Glance



AAU Publications at a Glance



(iv) Agricultural Literature

The books, booklets, folders, brochures, reports, directory, worksheets, training and practical manuals, diary etc. on various subjects were published by different extension, education and research centres of AAU during the year under report. More than 87,500 books, 23,000 booklets, 1,68,000 folders and 10,000 other literature were published and distributed

to beneficiaries by AAU. In all, list of 179 publications are given in Annexure 5.3.

(v) Video Films (DVD)

Two e-technology packages (video films) were prepared and distributed in 5133 villages during *Krusha Mahotsav 2016* program in central Gujarat. The details of video films (DVD) are given in Annexure 5.4.



8 Mass Media

(i) Radio Talks

During the year, 13 AAU scientists have delivered 17 radio talks on different topics related to agriculture, horticulture, animal husbandry on all India Radio, Vadodara and Godhra.

The details of radio talks are given in Annexure 5.5.

(ii) TV Programs

Thirty-nine TV talks on different aspects covering agriculture, horticulture, animal

husbandry, home science etc. and eleven phone-in-live programs were telecast through Doordarshan Kendra, Ahmedabad in 'Gram Jagat' program for the benefit of the farming community. The details of TV programs are given in Annexure 5.6.



(iii) Kisan Call Centre

The Kisan Call Centre (free call Service-1800-180-1551) for the State of Gujarat and U.T. of Dadra and Nagar Haveli has begun functioning effectively from 1.11.2004 at Ahmedabad. The Call Centre service had been made available right from 6 a.m. to 10 p.m.

Directorate of Extension Education, AAU, Anand acts as a nodal agency for KCC of

the Gujarat State. The Director of Extension Education looks after and monitors the system in the entire Gujarat State. The Directorate of Extension Education imparts training to Level- I and Level - II officers of KCC.

Total 148873 queries on various subjects were raised by the farmers through phone on KCC, Ahmedabad.



(iv) Krushi Library

The *Krushi* library scheme is started during the year 2015-16. The main objective of the scheme is to establish the *Krushi* Libraries in selected villages of Central Gujarat for disseminating the farm literature i.e., Books, Booklets and farm magazine etc.

Total 250 *Krushi* libraries were established under the scheme in eight districts of Central Gujarat for the benefit of farming community. The information regarding distribution of farm literature as reading materials (i.e. 8713 farm literature) for *Krushi* libraries is given in Table 5.20.

Table 5.20 Farm Literature and Farm Magazine Distributed in Krushi library during 2016-17

Sr. No.	District	No. of Krushi Library	No. of Books	No. of Krushigovidya Farm Magazine issues	No. of Free Literature	
					Books	Booklets
1	Ahmedabad	29	377	348	232	58
2	Anand	37	444	444	296	74
3	Chhota udepur	22	286	264	176	44
4	Dahod	39	507	468	312	78
5	Kheda	36	468	432	288	72
6	Mahisagar	28	364	336	224	56
7	Panchamahall	30	390	360	240	60
8	Vadodara	29	377	348	232	58
Total		250	3213	3000	2000	500

9 Coordination with Development Departments

The AAU has planned and organized various extension education programmes/ activities in close coordination with line departments of the State. The structural linkages exist under Training and Visit scheme by way of constituting technical committees at district, zonal and state levels.

The functional linkages also exist under T&V Scheme through bi-monthly workshops, pre-seasonal trainings, diagnostic team, and state level crop seminars/ workshops etc. The coordination exists in follow-up programmes as well as planning of farm trials. In AGRESO, the officers of the line departments are the

members and they generously contribute to the formulation of technical programs as well as in finalizing recommendations for the farmers.

Interface of AAU scientists with functionaries of the departments of the State, NGOs and other agencies was organized at state as well as at campus levels during the year of report.

The agricultural programmes of All India Radio as well as *Doordarshan* were finalized by coordinated efforts. For transfer of technologies to the farmers at large, Farmers Day, *Krushi Mela*, farmer-scientist interactions, group discussions etc. were organized through collaborative efforts.



10 *Krushī Mahotsav Program*

Krushī Mahotsav is a knowledge sharing rendezvous event for farming community of Gujarat. It is a fortnight to one-month long event that brings together the farmers, scientists, Government officials and many more individuals concerned with agriculture. This *Mahotsav* generally begins on the auspicious planetary affluence of 'Akshay Tritiya (Akhatrij)', a day for worshipping *Balramji*, the God of farmers.

As a preparation part of the *Krushī Mahotsav*, an orientation training program was conducted for the participating scientists on 12 May 2016. The guidance on various subjects was given by the experts to the participating scientists in the *Krushī Mahotsav*. The literature was also provided to them as reference.

This event facilitates the seamless flow of knowledge from agricultural research labs to land. This was the Twelfth *Krushī Mahotsav* that was celebrated by the state for 23 days from 9-31 May 2016.

During this *Krushī Mahotsav*, total 18 seminars and exhibition cum sales were organized based on seats of District Panchayat in 66 talukas of Central Gujarat. Total 231 scientists were engaged to facilitate the process of knowledge sharing in these exhibition-cum-seminars. During the seminar, the team of expert scientists related to Agriculture, Horticulture, Animal Husbandry, Dairying, Food Processing, Agricultural Engineering etc. explained the latest developments in various fields (agronomy, plant protection, farm implements, water conservation, irrigation methods, bio-fertilizers, bio-pesticides, bio control of insects/pests, cultivation practices, medicinal and aromatic plants, horticulture, animal husbandry, surgical operation, clean milk production, cattle feed, mineral mixture, fisheries, green/net/poly house etc.) for adoption with a view to earn more

profit and better livelihood. The Scientists also provided guidance and possible solutions on the spot for the problems and queries raised by the farmers/ animal keepers. The agricultural exhibition cum sale was organized at the seminar place with 10 stalls. Sale of seeds, liquid bio-fertilizer, mineral mixture, *Trichoderma* culture at nominal rates was arranged for the farmers by AAU.

Mega Event

As a part of *Krushī Mahotsav*, a mega event was celebrated with combined efforts of the State Government, Anand District Administration and Anand Agricultural University during 9-10 May 2016 at AAU, Anand.

An inaugural function of *Krushī Mahotsav* mega event 2016 for central Gujarat was organized at sports ground, AAU, Anand on 9 May 2016. Dr. N.C.Patel, Vice Chancellor, AAU shared the dais with Shri Babubhai Bokhiriya, Hon. Cabinet Minister for Agriculture, Shri Chhatrasinh Mori, Hon. State Minister for Food & Civil supplies; Shri Pankaj Desai, Hon. Chief Whip, Shri Babubhai Jebaliya, Chairman, Gujarat Agro Industries Corporation, Hon. MPs, Shri Dilipbhai Patel, Shri Lalsinhbhai Vadodiya and Shri Devusinh Chauhan and other Hon.members of state legislative assembly.

On the eve, various cultural programs were organized. Several ministers addressed the gathering. On arrival at Anand, first *Mahila* Chief Minister, Hon. Smt. Anandiben Patel, after performing the holy '*Balram Pooja*' inaugurated the agricultural exhibition. Then along with Vice Chancellor and Agriculture Minister, she visited various university stalls and interacted with progressive farmers and scientists.

After inaugurating *krushi* exhibition, the Hon'ble Chief Minister arrived at main farmers' dome where she was greeted and gifted with mementoes by various ministers, Hon. VC of AAU, officials from different district and taluka panchayats, dairy

Krushi Mahotsav 2016 at a Glance



Krushi Mahotsav 2016 at a Glance



& APMC's officials, progressive farmers and social workers. The Hon'ble Chief Minister then awarded the progressive farmers, distributed cheques to various beneficiaries and also released four books on agricultural technologies prepared and published by AAU, Anand.

Moreover, two books named '*Pradhanmantri Fasal Bima Yojana Amalikaran Mateni Margdarshika*' and '*Sarvagrahi Krushi Neeti-2016*' published by Directorate of Agriculture and Gujarat Agro Industries Corporation, Gandhinagar were also released on this occasion.

Hon. CM delivered a speech to the farming community on various aspects such as organic farming, farming as an industry, Loan/Subsidy, marketing, drip irrigation, control measures for nilgay/pig/rose etc. She also declared to establish Organic Farming University in the state.

Seminars on major topics such as animal husbandry, horticulture, agricultural marketing management, organic farming and value addition etc. were organised during these two days. The experts of related topics provided the guidance to the farmers and solved their queries.

During the mega event, AAU, *Anubhav* brand products viz. bio-fertilizers, *Trichoderma*, mineral mixture, vermicompost, seed of crop varieties etc. as well as tissue culture plants, medicinal products, dairy products (candy, ice cream etc.) and bakery products were offered for sale on nominal/ special discounted price to the farmers. Besides this, literature in the form of books, booklets, folders and pamphlets on various subjects was also distributed to the farmers.

The state ministers, Government officials and officers of various line departments of the Government also accompanied the group of scientists at various villages during seminar and agricultural exhibition cum sale.

The agricultural exhibition was scaled into five theme based domes. Total 60 stalls were set with different agricultural technologies by Anand Agricultural University and different line departments of the Gujarat state. Live demonstrations were made available to the visitors by LCD projectors. This exhibition was kept open for two days and more than 20,000 farmers took benefit of this exhibition.



Realese of Farm Literature during *Krushi Mahotsav* - 2016

Extension Education Activities

The important extension activities carried out by AAU Scientists during the *Krusha Mahotsav* -2016 in Central Gujarat are shown in Table 5.21.

Table 5.21 Extension Education Activities Conducted by AAU during Krushi Mahotsav 2016

Sr. No.	District	No. of Seminars	Guidance to Farmers by Scientists During Seminars	No. of Books Distributed in Seminar cum Exhibitions	No. of DVD Sets Distributed in Villages
1	Ahmedabad	02	11732	2500	538
2	Anand	03	7358	11250	365
3	Botad	01	4650	1250	181
4	Chhotaudepur	02	10311	2500	891
5	Dahod	02	20007	2500	632
6	Kheda	02	20465	2500	550
7	Mahisagar	02	20838	2500	699
8	Panchmahals	02	7390	2500	620
9	Vadodara	02	8300	2500	657
Total		18	111051	30000	5133

Impact/Benefits of *Krusha Mahotsav*

- Direct interaction of farmers with Agriculture scientists/Officers
- Intimacy between the farmers and Agriculture Scientists/Officers increased
- Farmers started their interaction with Agricultural Scientists/Officers without any hesitation for their questions/information/technology.
- Farmers started adopting the new techniques which in turn increased their income more than double.
- Due to systematic cultivation and use of proper inputs, their cultivation cost reduced and hence their income increased.
- Water accumulation/storage, water level came up due to which the irrigation area increased.
- Farmers started growing new crops so, the loss due to growing of routine type of crops, risk reduced.

- State border level farmers also adopted New Agriculture Technology system.
- Due to easy availability of information of State/ Central Govt. schemes, farmers came forward to take benefits of Assistance Schemes.

11 Mera Gaon Mera Gaurav Program

An innovative '*Mera Gaon Mera Gaurav*' (MGMG) has been implemented to promote the direct interface of scientist with the farmers to hasten the Lab to Land transfer of latest technologies. The objective of this scheme is to provide farmers with required information, knowledge and advisory on regular basis by adopting villages. Presently, various agencies are working in agriculture and farmers are keen to know about the services provided by them. The technologies developed and refined by Research Institute, Agricultural Universities, private and other organizations are accepted and adopted to a large extent by farming community. Therefore, the awareness among farmers about



the organizations and their programmes need to be created on regular basis.

Anand Agricultural University has prepared 47 teams (each of four scientists) of 188 scientists of various disciplines covering 235 villages and also a separate 6 teams of 37 scientists of KVKs

covering 41 villages. Thus, in all, 276 villages have been adopted under 'MGMG' scheme by the Anand Agricultural University.

The Extension Education Activities organized by AAU under MGMG programme during 2016-17 is given in Table 5.22.

Table 5.22: Extension Education Activities under taken by AAU under MGMG during 2016-17

Sr. No.	Activities	No. of Activity	No. of Beneficiary Farmers
1	Visit of village by teams	207	1375
2	Interface meetings / <i>Goshthies</i>	168	4300
3	Trainings	37	888
4	Demonstrations	328	2117
5	Mobile based advisories	185	10186
6	Distributions of literature	107	7464
7	Development of linkages with other agencies	22	6487
8	Distribution of new varieties	275	407
9	Transfer of technology	26	95
10	Animal health camp	01	30 (185 cattle treated)
11	General Awareness	-	5589

Annexure 5.1

Extension Education Schemes

Sr. No.	Scheme	Centre
A	Plan Schemes	
1	Training Programme on Food Processing Technology	Anand
2	Training Programme on Organic Farming	
3	Training Programme on Weed Management	
4	Training Programme on Integrated Pest Management	
5	Training Programme on Seed Production	
6	Training Programme on Medicinal and Aromatic Plants	
7	Training in Gardening, Landscaping and Nursery Management	
8	Training in Baking Technology	
9	Training in Commercial Poultry Farming / Advanced Training in Commercial Poultry Technology	
10	Centre for Communication Network	
11	Strengthening of Directorate of Extension Education	
12	Strengthening of Centre to Agricultural Extension Information System	
13	Establishment of Transfer of Technology Centre	
14	Agricultural Technology Information Centre	
15	Upgrading of existing Sardar Smruti Kendra	
16	Establishment of Technological Resource Centre and Educational Museum	
17	Establishment of Transfer of Technology Centre	Arnej
18	Establishment of Agri Poly Clinic for Tribal Farmers	Dahod
19	Strengthening of Demonstration cum Training Centre for Fish Culture	Devataj
20	Establishment of Tribal Farm Women Training Centre	Devgadbaria
21	Transfer of Technology Centre	Godhra
22	Training Centre	Jabugam
23	Pashu Vigyan Kendra	Limkheda
24	Farm Technology Training Centre	Sansoli
25	Dairy Vigyan Kendra	Vejalpur
B	Non Plan Schemes	
1	Director of Extension Education	Anand
2	Publication Scheme	
3	Establishment of Sardar Smut Kendra Museum	
4	Farm Advisory Scheme	
5	Training and Visit Scheme	

Sr. No.	Scheme	Centre
6	Tribal Training Centre	Dahod
7	Tribal Research cum Training Centre	Devgadhbaria
C	ICAR Schemes	
1	Overseeing of KVKs through Director of Extension Education	Anand
2	Krushi Vigyan Kendra	Arnej
3	Krushi Vigyan Kendra	Dahod
4	Krushi Vigyan Kendra	Devataj
D	Other Agency Schemes	
1	<i>Krushi Mahotsav</i>	Anand
2	Training and Visit Scheme (Plan)	
3	Kisan Call Centre (KCC)	
4	<i>Krushi Library</i>	
5	Directorate & Sameti	
6	<i>Mera Gaon Mera Gaurav Program</i>	
7	NARP Extension Scheme	Arnej
8	NARP Extension Scheme	Godhra



Sardar Patel Agricultural Educational Museum

Annexure 5.2

Agriculture Fairs/Exhibitions Held During 2016-17

Sr. No.	Agriculture Fair/ Exhibition	Place	Duration	No. of Beneficiaries (Approx.)
1	<i>Kishan Pathshala & Krushi Pradarshani</i>	KVK, Devataj, Ta.Sojitra, Dist.Anand	2 April 2016	500
2	<i>Kishan Pathshala & Krushi Pradarshani</i>	KVK, Dahod	2 April 2016	1032
3	<i>Krushi Mahotsav Mega Event 2016</i>	Gymkhana Ground, AAU Campus Anand	9-10 May 2016	20000
4	Agricultural Exhibition cum Sale	APMC, Sanand, Dist. Ahmedabad	10-11 May 2016	3615
5	Agricultural Exhibition cum Sale	APMC, Pavi Jetpur, Dist.Chhotaudepur	13-14 May 2016	3998
6	Agricultural Exhibition cum Sale	APMC, Dholka, Dist. Ahmedabad	16-17 May 2016	8117
7	Agricultural Exhibition cum Sale	APMC, Naswadi, Dist. Chhotaudepur	16-17 May 2016	6313
8	Agricultural Exhibition cum Sale	Akhdol Shala, Nadiad, Dist. Kheda	16-17 May 2016	10465
9	Agricultural Exhibition cum Sale	Seed Farm, Lunavada, Dist. Mahisagar	16-17 May 2016	9495
10	Agricultural Exhibition cum Sale	FTC, Godhara, Dist. Panchmahals	16-17 May 2016	3240
11	Agricultural Exhibition cum Sale	Dholera, Dist.Ahmedabad	16-17 May 2016	3500
12	Agricultural Exhibition cum Sale	Swaminarayan Vidyamandir, Sarangpur, Dist.Botad	21-22 May 2016	4650
13	Agricultural Exhibition cum Sale	FTC, Thasara, Dist.Kheda	21-22 May 2016	10000
14	Agricultural Exhibition cum Sale	Botad	21-22 May 2016	3500
15	Agricultural Exhibition cum Sale	KVK, Dahod	23-24 May 2016	11132
16	Agricultural Exhibition cum Sale	Madhyamik Shala, Kadana, Dist. Mahisagar	23-24 May 2016	11343
17	Agricultural Exhibition cum Sale	Madhyamik Shala, Dhanpuri, Ta.Jambughoda, Dist.Panchmahals	23-24 May 2016	4150
18	Agricultural Exhibition cum Sale	APMC, Vadodara	23-24 May 2016	4800
19	Agricultural Exhibition cum Sale	APMC, Khambhat, Dist. Anand	24-25 May 2016	6458
20	Agricultural Exhibition cum Sale	Mota Hathidhara, Ta. Limkheda, Dist. Dahod	26-27 May 2016	8875

Sr. No.	Agriculture Fair/ Exhibition	Place	Duration	No. of Beneficiaries (Approx.)
21	Agricultural Exhibition cum Sale	APMC, Karjan, Dist. Vadodara	26-27 May 2016	3500
22	Agricultural Fair/ Exhibition	Anand	2-3 Sep. 2016	1000
23	Agricultural Fair/ Exhibition	Godhara, Dist.Panchmahals	16-17 Sep. 2016	500
24	Agricultural Fair/ Exhibition	Dhanpuri Ta.Jambughoda, Dist.Panchmahals	23-24 Sep. 2016	700
25	GPDA'S DAIRY-AGRI EXPO 2016	Chikhodara, Ta. & Dist.Anand	19-21 Nov. 2016	5000
26	Republic day <i>Krushimela</i> 2017	Karamsad, Ta. & Dist.Anand	25-26 Jan. 2017	80000
27	<i>Krushimela</i>	Swaminarayan Mandir, Savarkundala, Dist. Bhavnagar	6-8 Feb. 2017	10000
28	Agricultural Exhibition	Shastri Park, Anand	12 Feb. 2017	1500
29	<i>Krushimela</i> & Exhibition	ARS, Sansoli, Dist.Kheda	22 Feb. 2017	1400
30	<i>Agro Tech Krushimela</i>	Umabhavan, Nr. Borasad Chokadi, Dist. Anand	24-27 Feb. 2017	20000
31	<i>Krushimela</i>	APMC, Savli, Dist.Vadodara	28 Feb. 2017	1000
32	<i>Krushimela</i>	Farmer Training Center, Po.Thasara, Dist.Kheda	28 Feb. 2017 to 01 March 2017	3100
33	<i>Krushimela</i>	Seed Farm, Vardhari Road, Po.Lunavada, Dist. Mahisagar	2 March 2017	9000
34	<i>Krushimela ane Krushi pradarshan</i>	KVK, Mangalbharati Dist. Chhotaudepur	8 March 2017	300
35	<i>Krushimela</i>	TCD Farm, Po. Jinaj, Ta.Khambhat, Dist.Anand	10 March 2017	4000
36	<i>Krushimela</i>	APMC, Bodeli, Dist. Chhotaudepur	10 March 2017	800
37	<i>Krushi Unnati Mela 2017</i>	IARI, New Delhi	15-17 March 2017	150000
38	Agricultural Fair cum Exhibition	Vejalpur, Dist.Panchmahals	25 March 2017	500
39	<i>Krushimela</i>	Devgadhbariya, Dist.Dahod	27-28 March 2017	10657

Annexure 5.3

Publication of Agricultural Literature during 2016-17

Sr. No.	Name of Publication	Publication Series/ISBN/ISSN No.
Books		
1	<i>Kitchen garden</i>	EXT-5:9:2016:2000
2	<i>Khetipakona agatyana rogo ane tenu niyantran</i>	EXT-5:10:2016:2000
3	<i>Pak sanrakshan</i>	EXT-5:11:2016:2000
4	<i>Sajiv kheti</i>	EXT-5:12:2016:2000
5	<i>Krusha pakoma processing ane mulyavardhan</i>	EXT-5:13:2017:2000 ISBN-978-93-5268-433-5
6	<i>Jaivik khataro</i>	EXT-5:14:2017:2000 ISBN-978-81-934018-0-4
7	<i>Telibiya pakoni vaigyanik kheti</i>	EXT-5:15:2017:2000 ISBN: 978-81-934018-2-8
8	<i>Aaushadhiy ane sugandhit pakoni vaigyanik kheti</i>	EXT-15:1:2016:3000
9	<i>Gujaratna mukhy kheti pakonu arthkaran</i>	EXT-19:4:2016:1000
10	<i>Anand Agricultural University : a profile</i>	EXT-19:4:2017:1000
11	<i>Krusha ane sanlagna kshetroni vaigyanik mahiti</i>	EXT-35:1:2016:30000 ISBN:978-81-931618-5-2
12	<i>Krusha paryavaranma pakshio</i>	RES-24:4:2017:2000 ISBN: 978-93-5268-705-3
13	A Research Compendium on Statistical Evaluation of Experimental Variability for Improving Efficiency of Field Experimentation	EDU-1:4:2017:1000
14	Measurement of Attitude	EDU-1:5:2017:500 ISBN: 978-93-5268-207-2
15	<i>Sajiv kheti lesan plan</i>	
16	<i>Sajiv kheti ane poshan vyavastha</i>	
Booklets		
17	<i>Dudh utpadan vadharavani chavio</i>	EXT-3:1:2016:2000
18	<i>Khedutopayogi sanshodhan bhalamano 2016</i>	RES-1:2:2016:2500
19	<i>Gunvatta sabhar bijani agatyata : anubhav seed</i>	RES-4:1:2016:3000
20	Accomplishment on Agriculturally Beneficial Micro-organisms for Sustainable Agriculture	RES-12:3:2016:500
21	<i>Tametina pakama nukshan karati parn-va-falvedhakanu jaivik paddhatithi sankalit vyavasthapan</i>	RES-15:1:2016:5000
22	Tuta Absolute : Current Status and Management Strategies in Gujarat	RES-15:2:2016:2000
23	Kathol pakoma sankalit jivat vyavasthapan	EDU-1:9:2017:1000
24	Dhanya pakoma sankalit jivat vyavasthapan	EDU-1:10:2017:1000
25	Technologies developed by College of Food Processing Technology & Bio Energy	EDU-6:6:2016:500
26	The Glory of Diploma in Agricultural Extension Services for Input Dealers (DAESI) : Activities and Achievements	EDU-8:2:2016:500
27	13 th Annual Convocation : Programme and Procedure	GEN-1:8:2017:1000
28	13 th Annual Convocation : Welcome Address	GEN-1:9:2017:1000
29	13 th Annual Convocation : Convocation Address	GEN-1:10:2017:1000
30	<i>Teramo varshik padavidan samarambh : prasangik pravachan</i>	GEN-1:11:2017:1000
31	Research Accomplishments and Recommendations 2016	

Sr. No.	Name of Publication	Publication Series/ISBN/ISSN No.
32	<i>Safal varta pragatishil khedut</i>	
33	Canine Dermatological Disorders	
Training Manuals		
34	<i>Krushima havamanani agatyata (module-1)</i>	EXT-1:1:2016:50
35	<i>Jamin ane tenu Swasthya (Module-2)</i>	EXT-1:2:2016:50
36	<i>Sankalit poshan vyavasthapan (module-3)</i>	EXT-1:3:2016:50
37	<i>Sankalit rog-jivat niyantran (module-4)</i>	EXT-1:4:2016:50
38	<i>Pak utpadan, postharvest ane khetima yantrikaran (module-5)</i>	EXT-1:5:2016:50
39	<i>Piyat vyavasthapan(module-6)</i>	EXT-1:6:2016:50
40	<i>Krushu vishayak kayadao (module-7)</i>	EXT-1:7:2016:50
41	<i>Krushu dhiran, pak vimo ane mahiti tantrikta (module-8)</i>	EXT-1:8:2016:50
42	<i>Krushima havamanani bhumika (khand 1)</i>	EDU-8:4:2016:50
43	<i>Jamin ane aakashiya kheti (khand 2)</i>	EDU-8:5:2016:50
44	<i>Sankalit poshan vyavasthapan (khand 3)</i>	EDU-8:6:2016:50
45	<i>Sankalit jivat vyavasthapan (khand 4)</i>	EDU-8:7:2016:50
46	<i>Kapani pacchini tantrikata ane krushima yantrikaran (khand 5)</i>	EDU-8:8:2016:50
47	<i>Krushima piyat vyavasthapan (khand 6)</i>	EDU-8:9:2016:50
48	<i>Samanya kayada ane krushi biyaran ange vyavasthapan (khand 7)</i>	EDU-8:10:2016:50
49	<i>Krushu vishayak samanya paryayo (khand 8)</i>	EDU-8:11:2016:50
50	<i>Freshwater ornamental culture</i>	
51	<i>Masala pakoni shakbhajima agatyana ane teni kheti paddhati</i>	
52	<i>Shakbhaji masala – talim samput</i>	
53	<i>Shakbhaji masala pakoma vaignanik abhigam</i>	
54	<i>Makaini vaignanik ane nikashlakshi kheti paddhati temaj mulyavruddhi</i>	
55	<i>Khetima panino samajpurvak upayog</i>	
56	<i>Soururjani khetima upayogita</i>	
57	Hands on Training on Management of Goat Farm	
58	<i>Aadarsh bakara palan</i>	
59	Management of Fungi And Pests of Stored Grain/Seeds	
Folders		
60	<i>Anand krushi university ek vihangavlokan</i>	EXT-3:2:2016:6000
61	Anand Agricultural University-At a Glance	EXT-3:3:2016:4000
62	<i>Vermicompost banavavani paddhati</i>	EXT-3:4:2016:6000
63	<i>Pashu poshan</i>	EXT-3:5:2016:6000
64	<i>Kerini vividh mulyavardhit banavato</i>	EXT-3:6:2016:6000
65	<i>Tametani vividh banavato</i>	EXT-3:7:2016:6000
66	<i>Kheti kharch ghatado-aavak vadharo</i>	EXT-3:8:2016:6000
67	<i>Pashupalan vyavsayma kharch ghatado-aavak vadharo</i>	EXT-3:9:2016:6000
68	<i>BT kapasno chhupo mahashatru : gulabi iyal ane tenu sankalit vyavasthapan</i>	EXT-3:10:2016:6000
69	<i>Bakery shala ek parichay</i>	EXT-7:1:2016:3000
70	School of Baking	EXT-7:2:2016:1000
71	<i>Unalu magni vaigyanik kheti paddhati</i>	EXT-22:3:2016:1000
72	<i>Kerini vividh mulyavardhit banavato</i>	EXT-22:4:2016:1000
73	<i>Aamlani vividh banavato</i>	EXT-22:5:2016:1000
74	<i>Tametani vividh banavato</i>	EXT-22:6:2016:1000

Sr. No.	Name of Publication	Publication Series/ISBN/ISSN No.
75	<i>Pandit dindaya upadyay unnat krushi shiksha yojana</i>	EXT-22:7:2017:1000
76	<i>Panini bachat matenu sadhan : laser land leveller</i>	EXT:23:1:2017:2000
77	<i>Sooka ane ardh sooka vistarma jalstravno abhigam</i>	EXT:23:2:2017:2000
78	<i>Khetima strio dhvara mahenat ghatadvana upyogi sadhano</i>	EXT:23:3:2017:2000
79	<i>Rotavetar : khubaj upayogi adhunik khet ojar</i>	EXT:23:4:2017:2000
80	<i>Navjat bachchani kalaji ane mavjat</i>	EXT:23:5:2017:2000
81	<i>Pashupalanno payo ane vikash mate jivanrakshak pratham dudh etleke kheerani agatyata</i>	EXT:23:6:2017:2000
82	<i>Dungalini vaigyanik kheti paddhati</i>	EXT:23:7:2017:2000
83	<i>Bhindani vaigyanik kheti paddhati</i>	EXT:23:8:2017:2000
84	<i>Aaduni vaigyanik kheti paddhati ane tenu mulya vardhan</i>	EXT:23:9:2017:2000
85	<i>Lasanni kheti paddhati</i>	EXT:23:10:2017:2000
86	<i>Galgota</i>	EXT:23:11:2017:2000
87	<i>Soyabin protinna rajani vaigyanik kheti paddhati</i>	EXT:23:12:2017:2000
88	<i>Chomasu makaini vaigyanik kheti paddhati</i>	EXT:23:13:2017:2000
89	<i>Dhanya pakoni rani shiyalu makai ni kheti paddhati</i>	EXT:23:14:2017:2000
90	<i>Anubhav pravahi jaivik khatar</i>	RES-12:1:2016:1000
91	<i>Anubhav pravahi jaivik khatar</i>	RES-12:2:2016:500
92	<i>Success Story: Anubhav Liquid Bio Fertilizers and Bio-NPK (PGPB) Consortium Key Inputs to Accelerate</i>	RES-12:4:2016:500
93	<i>Azola jaivik khatar ane poorak aahar</i>	RES-12:5:2017:1000
94	<i>Anubhav pravahi jaivik khatar</i>	RES-12:6:2017:5000
95	<i>Kapasani jivatona kudarati dushmanone jano</i>	RES-15:3:2017:5000
96	<i>Khetima agatyana kitbhakshi pakshio</i>	RES-24:1:2016:3000
97	<i>Krushima pakshionu mahatv</i>	RES-24:2:2016:3000
98	<i>Makaina pakma pakshionu niyantran</i>	RES-24:3:2016:3000
99	<i>Makaini sankar jatonu beej utpadan</i>	RES-26:1:2016:500
100	<i>Bajrini sankar jatonu beej utpadan</i>	RES-26:2:2016:500
101	<i>Divelani sankar jatonu beej utpadan</i>	RES-26:3:2016:500
102	<i>Dangarni sudharel jatonu beej utpadan</i>	RES-26:4:2016:500
103	<i>Unalu magni aadarsh kheti paddhati</i>	RES-29:1:2016:1000
104	<i>Tuvern jivato ane tenu sankali niyantran</i>	RES-29:2:2016:1000
105	<i>Guvani vaigyanik kheti paddhati</i>	RES-29:3:2016:1000
106	<i>Shiyalu makaini kheti paddhati</i>	RES-29:4:2016:1000
107	<i>Tapak sinchai paddhati angeni samaj</i>	RES-45:1:2016:1500
108	<i>Rasaynik khatarono karyaksham upayog</i>	RES-45:2:2016:1500
109	<i>Sendriya khetima varmikampostnu mahatva</i>	RES-45:3:2016:1500
110	<i>Kapas-divela relay pak paddhati</i>	RES-45:1:2017:1500
111	<i>Khetima jaivik khatarni agatyata</i>	RES-45:2:2017:1500
112	<i>Kapasma gulabi iyalnu sankalit vyavasthapan</i>	RES-45:3:2017:1500
113	<i>Deshi kapasni vaigyanik kheti paddhati</i>	RES-47:1:2016:3000
114	<i>Bhal vistarma khet talavadinu mahatva ane upayogita</i>	RES-49:1:2017:1000
115	<i>Sajiv kheti sha mate?</i>	RES-49:2:2017:1000
116	<i>Bhal vistarni ksharyukta jaminani khasiyato ane teni sudharana</i>	RES-49:3:2017:1000
117	<i>How to Export</i>	EDU-1:1:2016:2000
118	<i>Rupiyo vavo dollar lano</i>	EDU-1:2:2016:2000

Sr. No.	Name of Publication	Publication Series/ISBN/ISSN No.
119	<i>Krimiyan congo hemragic viral fever lakshano nidan ane savchetina pagla</i>	EDU-3:2:2016:1000
120	Agro Processing Centre for Selected Vegetable Juices and Its Powder	EDU-6:2:2016:500
121	<i>Polytechnic in food science and home economics</i>	EDU-13:1:2016:3000
122	Polytechnic in Food Science and Home Economics	EDU-13:2:2016:1000
123	Diploma in Agricultural Extension Services for Input Dealers (IDEA)	
124	Master Degree Program in Agricultural Journalism and Agricultural Marketing	
125	<i>BT kapasano cchupo mahasatru: gulabi iyal ane tenu sankalit vyavasthapan</i>	
126	<i>Marchini khetima vaigyanik abhigam</i>	
127	<i>Pradhan mantri fasal vima yojana</i>	
128	<i>Rajagarani vaigyanik kheti paddhati</i>	
129	<i>Pashu palan</i>	
130	<i>Gharelu inda aapati maraghini mavjat</i>	
131	<i>Paropjivi krumithi thata rogonu niyantran</i>	
132	<i>Pashuoma khasikaran ane teni aavashyakata</i>	
133	<i>Krutrim bijadan apanavo ane olad sudharo</i>	
134	<i>Ghaschara ane khandanna ghatakonu poshanmuly</i>	
135	<i>Baby corna ni vaigyanik kheti paddhati</i>	
136	<i>Mithi makai ni kheti paddhati</i>	
137	<i>Dhani mateni makai (popcorn) ni vaigyanik kheti paddhati</i>	
138	<i>Aushadhiy pakoni kheti</i>	
139	<i>Updraft throat prakaranu biomass gasifier</i>	
140	<i>Vyavsaiik dhorane indani utpadan mateni maraghani jato</i>	
141	<i>Gay bhensni viyan pahela ane pachhi mavajat tatha navjat bachchani sambhal mateni package of practices</i>	
142	<i>Tapak piyat paddhati</i>	
143	<i>Vermicompost</i>	
144	<i>Vermiwash banavani paddhati</i>	
145	<i>Kacharo ane kanchan : nadep paddhati</i>	
146	<i>Dangarani vaheli pakati sudhareli navi jat- Mahisagar</i>	
147	<i>Rajgarani vaigyanik kheti</i>	
148	<i>Makai ni vaigyanik kheti</i>	
149	<i>Sajeev kheti</i>	

Sr. No.	Name of Publication	Publication Series/ISBN/ISSN No.
Brochures		
150	College of Food Processing Technology & Bio Energy	EDU-6:1:2016:500
151	Placement Brochure-2017 for FPT & BE	EDU-6:4:2016:200
152	Food Quality Testing Laboratory	EDU-6:5:2016:500
153	Agriculture College, Vaso	EDU-10:1:2016:500
Magazine		
154	<i>Krushigovidya Farm Magazine (Monthly)</i>	ISSN-2320-8902 Vol No.816 to 827
155	Food Technica (Yearly)	EDU-6:18:2017:300
Newsletter		
156	AAU Newsletter (Quarterly)	Vol.13 No.1 to 4
Reports		
157	Annual Report 2016-17 of college of FPTBE	EDU-6:19/2017/50
158	12 th AAU Annual Report	GEN-1:7:2016:300
159	Self-Study reports for Accreditation – 2014-15	
160	Self-Study Reports for Accreditation of College and Institution – 2014-15	
Diary		
161	<i>Anand Krushi University Diary 2017</i>	EXT-3:11:2016:1600
Directory		
162	Directory of Agro Input Dealers Institute of Distance Education Anand	EDU-8:3:2016:500
Work Sheet		
163	Seed-borne diseases : Blight of Cumin	ICAR-IISS publication
164	Seed-borne diseases :Leaf Spot and Blight of Sunflower	ICAR-IISS publication
Practical Manuals		
165	Entrepreneurship Development	EDU-1:7:2017:600 ISBN:978-93-5268-517-2
166	Extension Methodologist for Transfer of Technologies	EDU-1:8:2017:400 ISBN: 978-93-5268-439-7
167	Fundamentals of food processing	EDU-6:7/2017/200
168	Unit operation in food processing	EDU-6:8/2017/200
169	Processing technology of fruit and vegetables	EDU-6:9/2017/200
170	Food chemistry of micronutrients	EDU-6:10/2017/200
171	Food chemistry of micronutrients	EDU-6:11/2017/200
172	Food biotechnology	EDU-6:12/2017/200
173	Food Thermodynamic	EDU-6:13/2017/200
174	Food refrigeration and cold chain	EDU-6:14/2017/200
175	Communication and soft skills development	EDU-6:15/2017/200
176	Engineering Drawing and graphics	EDU-6:16/2017/200
177	Workshop technology	EDU-6:17/2017/200
178	ASCAD Training manual	
Atlas		
179	Agroclimatic Atlas of Gujarat	e-book

Annexure 5.4

Publication of Video Film (DVD) during 2016-17

Sr. No.	Topic/Subject	No. of DVDs Distributed in Villages of Central Gujarat
1	<i>Gulabi Iyalnu sankalit vyavasthapan</i>	5133
2	<i>Krushipakoma sankalit krumi vyavasthapan</i>	5133

Annexure 5.5

Radio Talks Delivered during 2016-17

Sr. No.	Name of Scientist	Topic	Date
1	Dr. V.P.Ramani	<i>Kheti pakoma shuksmtatvoni agatyata</i>	05/04/2016
2	Dr. J.N.Patel	<i>Shakbhaji pakoma dharu ucher</i>	06/05/2016
3	Dr. S.M.Khanorkar	<i>Chomasu makai ni beej pasandagi</i>	09/06/2016
4	Shri K.H.Patel	<i>Chomasu makaima khatar, piyat ane nindan vyavastha</i>	21/06/2016
5	Dr. P. K. Parmar	<i>Sweet corn, baby corn ane popcorn ni kheti paddhati</i>	23/06/2016
6	Dr. R.K.Thumar	<i>Kapasni chusiya jivatonu sankalit jivat vyavasthapan</i>	05/07/2016
7	Dr. V.P.Ramani	<i>Kapasma suksmtatvoni unap ane nivaran</i>	05/08/2016
8	Shri K.H.Patel	<i>Chomasu makaini mavjat</i>	09/08/2016
9	Shri B.N.Thakkar	<i>Ravi makaina agraharol nidarshanana labho</i>	01/09/2016
10	Dr. D. P. Gohil	<i>Ringan ni vaigyanik kheti paddhati</i>	30/09/2016
11	Dr. T.M.Bharpoda	<i>Katholpakoni jivatonu sankalit vyavasthapan</i>	07/11/2016
12	Dr. D.B.Sisodiya	<i>Bhal pradeshma ravi pakoma jivat niyantran</i>	08/11/2016
13	Dr. B.B.Bhandari	<i>Pashuoma thato aauno sojo</i>	22/11/2016
14	Shri B.N.Thakkar	<i>Makai ma rog ane jivat niyantran</i>	05/12/2016
15	Dr. R.K.Thumar	<i>Falmathi ras chusnar fudanu sankalit vyavsthan</i>	06/01/2017
16	Shri V.J.Patel	<i>Jaminani poshaktatvoni vyavstha ane makaini khatar vyavastha</i>	11/01/2017
17	Dr D.P.Gohil	<i>Unalu shakbhaji pakonu aayojan</i>	07/02/2017

Annexure 5.6

Television Programs Telecasted during 2016-17

Sr. No.	Name of Publication	Publication Series/ISBN/ISSN No.	Date (Time of broadcast 6.00 to 6.30 pm)
1	Dr. V. P. Ramani	<i>Shuksm tatvoni kheti pakoma agatyata</i>	20/04/2016
2	Dr. P. K. Borad	<i>Kapasni gulabi iyal tatha any jindva kori khanar iyalanu sankalit niyamtran</i>	03/05/2016
3	Dr. P. K. Borad Dr. T. M. Bharpoda	<i>Kapasni jivatonu sankalit vyavasthapan</i>	06/05/2016 (phone in live)
4	Dr. D. D. Chaudhari	<i>Kharif pakoma sankalit nindan vyavasthapan</i>	11/05/2016
5	Dr. R. R. Acharya	<i>Shakbhaji ni khetima vaigyanik abhigam</i>	24/05/2016
6	Dr. Manoj M. Trivedi	<i>Unalama pashuoni mavjat</i>	01/06/2016
7	Dr. A. J. Dhami Dr. M. M. Trivedi	<i>Bhensoni prajanan kshamta sudhari vadhu doodh utpadan melavavana upayo</i>	10/06/2016 (phone in live)
8	Dr. S. M. Khanorkar	<i>Chomasu makaini kheti paddhati</i>	15/06/2016
9	Dr. A. D. Patel	<i>Aushadhiy pakoni kheti</i>	22/06/2016
10	Dr. P. K. Borad	<i>Kapas pakma gulabi iyalanu sankalit vyavsthan</i>	01/07/2016 (phone in live)
11	Dr. R. J. Modi	<i>Vaccharadi ane Padino Vaigyanik Uccher</i>	06/07/2016
12	Dr. R. K. Thumar	<i>Kapasni chusiya jivatonu sankalit jivat vyavasthapan</i>	02/08/2016
13	Dr. J. H. Chaudhari Dr. B. B. Bhandari	<i>Pashuoma thata chepi rogo</i>	05/08/2016 (phone in live)
14	Dr. R. R. Gajera	<i>Fal ane shakbhajima thata bagadna karano ane tena upayo</i>	10/08/2016
15	Dr. V. P. Ramani Dr. P. M. Patel	<i>Ghaschara pakoma sukshmatatvoni agatyata</i>	19/08/2016 (phone in live)
16	Dr. V. P. Ramani	<i>Kapasma suksmtatvoni unap ane nivaran</i>	23/08/2016
17	Dr. A. I. Shekh	<i>Doodhanu poshak mulya</i>	31/08/2016
18	Dr. C. C. Patel Dr. R. K. Thumar	<i>Shakbhaji pakoma sankalit jivat vyavasthapan</i>	09/09/2016 (phone in live)
19	Shri K. V. Vala	<i>Shakbhajima post harvest management</i>	13/09/2016
20	Dr. J. N. Patel	<i>Marchini vaigyanik kheti</i>	21/09/2016
21	Dr. V. I. Joshi	<i>Pandavala shakbhaji pakona vavetarnu aayojan</i>	19/10/2016
22	Dr. T. M. Bharpoda	<i>Kathol pakoni jivatonu sankalit vyavsthan</i>	01/11/2016
23	Dr. P. K. Borad Dr. R. K. Thumar	<i>Bagayati pakoni jivatonu sankalit jivat vyavasthapan</i>	11/11/2016 (phone in live)
24	Dr. D. B. Sisodiya	<i>Bhal vistarma ravi pakoma jivat niyantran</i>	22/11/2016

Sr. No.	Name of Publication	Publication Series/ISBN/ISSN No.	Date (Time of broadcast 6.00 to 6.30 pm)
25	Shri K. H. Patel	<i>Shiyalu makaini vaigyanik kheti</i>	26/11/2016
26	Dr. B. B. Bhandari	<i>Pashuoma thato aauno sojo</i>	30/11/2016
27	Dr. H. K. Patel	<i>Nindan nashak rasayanoni jaminana upayogi sukshma jivanuo par thati asaro</i>	13/12/2016
28	Dr. V. P. Ramani Dr. M.V. Patel	<i>Shiyalu pakoma piyat ane khatar vyavasthapan</i>	16/12/2016 (phone in live)
29	Dr. Komal Patel	<i>Doodhanu mulya vardhan</i>	21/12/2016
30	Dr. A. M. Patel	<i>Doodhanu processing</i>	18/01/2017
31	Dr. R. K. Thumar	<i>Falmathi ras chusnar fudanu sankalit vyavsthan</i>	31/01/2017
32	Dr. M. V. Patel	<i>Sajiv kheti – nutan abhigam</i>	03/02/2017 (phone in live)
33	Dr. D. P. Gohil	<i>Bhindana paknu vavetar mate aayojan</i>	08/02/2017
34	Dr. D. R. Kathiriya	<i>Krushikshetre malti online suvidhao</i>	10/02/2017 (phone in live)
35	Dr. R. J. Modi	<i>Dudhala pashuoni mavjat</i>	21/02/2017
36	Dr. B. D. Patel	<i>Nindan niyantranano pak utpadanma falo</i>	01/03/2017
37	Dr. V. P. Ramani	<i>Jamina nu pruthakaran ane rasaynik khatarono karyksham upayog</i>	14/03/2017
38	Dr. D. M. Korat Dr. N. M. Gohel	<i>Fal pakoma rog jivat vyavasthapan</i>	17/03/2017 (phone in live)
39	Dr. K. S. Sadariya	<i>Prani saravar ma vanaspatijanya aushadhonu mahatva</i>	22/03/2017



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