



**KRISHI VIGYAN KENDRA
JUNAGADH AGRICULTURAL UNIVERSITY
TARGHADIA (RAJKOT-3)**



Dr. B. B. Kabariya
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No.JAU/KVK/REPORT/TC-6/1290-1305 / 2011
Date :- 18/06/2011.

To,
All the member of SAC Committee.

**Sub.:- Minutes of 8th Scientific Advisory Committee (SAC) meeting held on
17th March-2011 at KVK, Targhadia (Rajkot)**

Sir,

With reference to subject cited above pleased find herewith the minutes of 8th Scientist Advisory Committee (SAC) meeting held at, KVK, Targhadia (Rajkot) on 17th March-2011. This is for your kind information.

Thanking you,

Yours Faithfully,

Programme Coordinator
Krishi Vigyan Kendra
JAU, Targhadia,(Rajkot)

Copy F.W.Rs.to:

- ✓ 1. The Director of Extension, Junagadh Agricultural University, Junagadh for your kind information.

Action plan (2011-2012)

(April – 2011 TO March– 2012)

It is proposed to organize 96 batches of training programmes for farmers, farmwomen, rural youth and extension functionaries during period from April 2011 to March 2012.

A. Training Programmes :**1. On Campus training (For practicing farmers, farm women and rural youth):**

Subject	Title of Training	Dura. Days	Tentative Date	No.of Parti.	Type of Parti.
1	2	3	4	5	6
I. Quarter : (1st April to 30th June, 2011)					
Crop Production	- Importance of soil sample	2	7/4/11	25	Farmers
Plant Protection	- Importance of seed treatment for the pest and diseases management.	2	31/5/11	25	Farmers
Animal Science	- Quality improvement of roughages by Urea treatment	2	20/4/11	25	Farmers
Horticulture	- Improved cultivation practices of cucurbitaceous vegetables during summer.	2	27/4/11	25	Farmers
Agril. Engg.	- Use of improved agricultural implements for sowing, harvesting and threshing	2	15/6/11	25	Farmers
Home Science	- Squash making from fruits.	2	11/5/11	25	Farm Women
	- Preparation of banana and potato wafers.	2	25/4/11	25	Farm Women
II. Quarter : (1st July to 30th September, 2011)					
Crop Production	- Production technology major <i>kharif</i> crops.	2	26/7/11	25	Farmers
Plant Protection	- IPM & IDM in cotton and groundnut.	2	16/8/11	25	Farmers
Animal Science	- Management of reproductive disorders in animal	2	12/7/11	25	Farmers
	- Vaccination schedule against contagious diseases in animals and poultry.	2	25/8/11	25	Farmers
Horticulture	- Different propagation methods for fruit crops suitable for arid and semi arid region.	2	22/9/11	25	Farmers
Agril.Engg.	- In-situ moisture conservation practices in dry land agriculture.	2	28/9/11	25	Farmers
Home Science	- Use of sprouted pulses in preparation of low cost nutrition diet.	2	7/7/11	25	Farm women
	- Preparation of milk products.	2	13/9/11	25	Farm Women
III. Quarter : (1st October to 31st December, 2011)					
Crop Production	- Production technology major <i>Rabi</i> crops.	2	4/10/11	25	Farmers
Plant Protection	- Insect pest and disease management in cumin and gram.	2	21/11/11	25	Farmers
Animal Science	- Control of ecto and endo parasites in cattle	2	19/10/11	25	Farmers
Horticulture	- Production technology of <i>rabi</i> vegetables.	2	15/12/11	25	Farmers
Agril. Engg.	- Efficient use of drip and sprinkler irrigation system	2	29/12/11	25	Farmers
Home Science	- Work simplification for women in house hold activities and Agri. Activities.	2	13/10/11	25	Farm women
	- Safe storage of food grains.	2	15/11/11	25	Farm women

1	2	3	4	5	6
IV. Quarter : (1st January to 31st March, 2012)					
Crop Production	- Production technology major summer crops.	2	25/1/12	25	Farmers
Plant Protection	- IPM & IDM in summer crop.	2	10/1/12	25*	Farmers
Animal Science	- Veterinary first aid & control of infectious diseases	2	27/1/12	25	Farmers
Horticulture	- Improved cultivation practices of summer vegetables.	2	22/3/12	25	Farmers
Agril. Engg.	- Post harvest technology of different field crops	2	24/2/12	25	Farmers
Home Science	- Home level processing of tomato	2	11/1/12	25	Farm women

2. Off Campus training (For practicing farmers, farm women and rural youth)

Subject	Title of Training	Dura Days	Tentative Date	No. of parti.	Type of Parti.
1	2	3	4	5	6
I. Quarter : (1st April to 30th June, 2011)					
Crop Production	- Importance of primary tillage.	1	6/5/11	25	Farmers
	- Management of fertilizer in cotton and groundnut	1	29/5/11	25	Farmers
Plant Protection	- Management of insect-pest and disease in summer crops.	1	11/4/11	25	Farmers
	- Importance of IPM and IDM.	1	11/6/11	25	Farmers
Animal Science	- Vaccination schedule against contagious diseases in animals and poultry.	1	28/4/11	25	Farmers
	- Use of mineral mixture in feeding for cattle and buffaloes	1	30/5/11	25	Farmers
Horticulture	- Importance of drip irrigation in horticultural crops.	1	24/5/11	25	Farmers
	- Improved package of practices for chilly cultivation.	1	31/5/11	25	Farmers
	- Bahar treatment in guava.	1	18/6/11	25	Farmers
Agril. Engg.	- Use of improved farm implements and machinery	1	25/4/11	25	Farmers
	- Importance of soil and water conservation structures in dry land agriculture.	1	11/5/11	25	Farmers
Home Science	- Fancy patch work, hand work stitches	1	26/4/11	25	Rural Gms
	- Preparation of mango pickles & jam.	1	13/5/11	25	Farm women
	- Use of solar cooker.	1	16/6/11	25	Farm women
II. Quarter : (1st July to 30th September, 2011)					
Crop Production	- Fertilizer management of <i>Kharif</i> crop.	1	1/7/11	25	Farmers
	- Importance of organic farming	1	17/9/11	25	Farmers
Pl. Protection	- Use of bio pesticide for management of insect-pest in groundnut crop.	1	12/7/11	25	Farmers
	- Identification & role of predators & parasites of insect pests of g'nut, cotton, castor and sesamum crop during <i>kharif</i> .	1	9/8/11	25	Farmers
	- Management of insect-pest in <i>kharif</i> crops.	1	27/9/11	25	Farmers
Animal Science	- Management of reproductive disorders in animal	1	28/7/11	25	Farmers
	- Deworming and Vaccination in Live stock	1	16/9/11	25	Farmers
	- Enrichment of low grade Dry fodder for cattle	1	10/8/11	25	Farmers
Horticulture	- Bahar treatment in lemon.	1	13/7/11	25	Farmers
	- Cultivation practices of medicinal and aromatic plants.	1	16/7/11	25	Farmers
	- Improved package of practices for onion cultivation.	1	30/8/11	25	Farmers
Agril. Engg.	- Rain water management technology	1	7/7/11	25	Farmers
	- Selection and maintenance of plant protection equipments	1	13/9/11	25	Farmers

1	2	3	4	5	6
Home Science	- Supplementary nutrition for child and pregnant women.	1	19/7/11	25	Farm women
	- Cause of Anemia in different age group of women & preparation of recipe which increase iron level in blood.	1	22/9/11	25	Farm women
	- Preparation of bakery products.	1	29/9/11	25	Rural youth
III. Quarter : (1st October to 31st December, 2011)					
Crop Production	- Irrigation management in cotton.	1	8/10/11	25	Farmers
	- Importance of soil analysis and method of soil sampling	1	5/12/11	25	Farmers
Pl. Protection	- Management of insect-pest and disease in <i>rabi</i> crops.	1	25/10/11	25	Farmers
	- Management of insect-pest and disease in vegetables crops.	1	15/11/11	25	Farmers
Animal Science	- Minimizing the mortality of buffalo calves during winter season	1	4/10/11	25	Farmers
	- Control of common diseases in livestock & vaccination scheduling	1	5/11/11	25	Farmers
	- Management and Feeding practices of Dairy Animals	1	3/12/11	25	Farmers
Horticulture	- Production technology of fruit crops.	1	20/10/11	25	Farmers
	- Cultivation practices of garlic.	1	3/11/11	25	Farmers
Agril. Engg.	- Efficient utilization of irrigation water	1	13/10/11	25	Farmers
	- Energy conservation in agriculture	1	15/11/11	25	Farmers
Home Science	- Value addition in groundnut	1	22/11/11	25	Farm women
	- Different methods of cooking.	1	15/12/11	25	Farm women
IV. Quarter : (1st January to 31st March, 2012)					
Crop Production	- Irrigation management in <i>Rabi</i> crops.	1	24/2/12	25	Farmers
	- Value addition in wheat & cumin	1	25/2/12	25	Farmers
Pl. Protection	- Identification nature of damage and management of stored grain pests.	1	16/2/12	25	Farmers
	- IPM and IDM in fruits crops.	1	10/3/12	25	Farmers
Animal Science	- Optimizing reproductive efficiency & to reduce age of 1st calving (AFC)	1	6/1/12	25	Farmers
	- Importance of Artificial Insemination in Cattle & Buffalo	1	21/2/12	25	Farmers
Horticulture	- Cultivation practices of important flower crops.	1	17/1/12	25	Farmers
	- Grading, sorting and pawing of fruits and vegetables.	1	8/2/12	25	Farmers
Agril. Engg.	- Use of plastic as a mulching in summer crops especially in watermelon.	1	11/1/12	25	Farmers
	- Small scale processing and value addition	1	17/2/12	25	Farmers
Home Science	- Value addition in anola.	1	18/1/12	25	Farm Women
	- Preparation and preservation of fruits & vegetables.	1	15/2/12	25	Farm Women
	- Training on bag and fancy items making.	1	28/2/12	25	Rural youth

3. Vocational Training :

Sr. No.	Title of Training	Dura. Days	Tentative Date	No. of parti	Type of Parti.
1.	-Preservation of Bakery products	2	20-21/5/11	25	Rural Girls
2.	- Rice, urad papad making	2	29/30/11/11	25	Rural Girls
3.	-Self-employment generation through Animal Husbandry	1	11/7/11	25	Rural youth

4. In service Training:

Sr. No.	Title of Training	Dura. Days	Tentative Date	No. of parti.	Type of Parti.
1.	-Technique for artificial insemination	1	12/8/11	25	A.I.Workers
2.	-Soil and water conservation dry under land area.	1	17/1/12	25	Extension Workers
3.	-IPM in Cotton and Groundnut	1	28/7/11	25	Extension Workers
4.	- Production technology of major <i>Kharif</i> crop.	1	19/7/11	25	Extension Workers

5. Sponsored/ Collaborative Training with Other Organizations:

Sr. No.	Title of Training	Dura. Days	Tentative Date	No. of parti.	Type of Parti.
1.	- Scientific Dairy management	1	25/10/11	25	Farmers
2.	- Efficient use of micro irrigation system	1	15/11/11	25	Farmers
3.	- Vaccination in mothers and children	1	13/7/11	25	Farm Women
4.	- Pest management in <i>kharif</i> crops.	1	3/8/11	25	Farmers
5.	- Production technology of major <i>Rabi</i> crop.	1	16/9/11	25	Farmers

A.Training Programme : Quarter wise Summary :

Sr. No.	Subject	On Campus					Off Campus					G.T.
		*1	2	3	4	T	1	2	3	4	T	
1.	Crop Production/ Soil Science	1	1	1	1	4	2	2	2	2	8	12
2.	Horticulture	1	1	1	1	4	3	3	2	2	10	14
3.	Pl. Protection	1	1	1	1	4	2	3	2	2	9	13
4.	Animal Science	1	2	1	1	5	2	3	3	2	10	15
5.	Home science	2	2	2	1	7	3	3	2	3	11	18
6.	Agril. Engineering	1	1	1	1	4	2	2	2	2	8	12
	Total	7	8	7	6	28	14	16	13	13	56	84

T = Total , G.T. = Grand Total , * 1,2,3,4 = Quarter

A. Summary of Training programme :

Sr. No.	Subject	On campus	Off campus	Total
1.	Crop Production	4	8	12
2.	Horticulture	4	10	14
3.	Plant protection	4	9	13
4.	Animal Science	5	10	15
5.	Home science	7	11	18
6.	Agril. Engineering	4	8	12
	Total	28	56	84
1.	Vocational training	1	2	3
2.	In service training	3	1	4
3.	Sponsored Training	4	1	5
	Grand Total	36	60	96

2. Front Line Demonstrations (Proposed)

Sr. No.	Crop	Variety	Title	No. of Demons.	Area (ha)
Oilseed					
1	Groundnut	GG-5	To test yield potentiality of groundnut	10	4.0
2	Sesamum	GT-2/3	To test yield potentiality of Sesamum	5	2.0
3	Groundnut (Trichoderma)	GG-20	To suppress stem rot disease in groundnut	10	4.0
FLD - Pulses					
1	Green gram	GM-4	To test yield potentiality of Mung	5	2.0
2	Black gram	GU-1	To test yield potentiality of black gram	5	2.0
3.	Gram	GG-1	To test yield potentiality of Gram	5	2.0
FLD Cereals					
1	Wheat	GW-366	To test yield potentiality of Wheat	10	4.0
Other Crops (Spices)					
1	Cumin	GC-4	To test yield potentiality of Cumin	10	4.0
Other Crops					
1	B.T. cotton	BG-II	INM & IPM in Cotton	50	20.0
FLD Other than crops					
1	Animals	Mineral mixture powder	To balance the deficiency of minerals in Animal feed	10	-
2	Fodder crop	Coimbatore variety	To introduce new fodder crop variety	10	4.0
Total				130	48.0

3. ON FARM TESTING (OFTs)

➤ New OFTs

OFT-1

Title : Reduction in age at first calving (AFC) in heifers

Objective : To minimize the age at first caving in heifers

Treatments :

1. Farmer's practices
2. Heifers be fed with Deworming bolus + Mineral Mixture . (Recommended Practice)
3. Heifers be fed with Mineral bricks + Zycloze tablets + Horse gram @ 500 gm/day up to one week (Intervention)
4. T3+ Balanced concentrated diet.

➤ Continues OFTs

OFT-1

Title : Low yield of cotton

Objective : To increase the yield by balance fertilization

Treatments:

- T₁. Farmer's practices
- T₂. Recommended dose of fertilizer (160-0-0) in four split in which second split in form of Ammonium Sulphate
- T₃. T₂ + 50 kg P₂O₅ ha⁻¹ through DAP + 50 kg K₂O ha⁻¹ through MOP as a basal dose.
- T₄. T₃ + 25 kg MgSO₄ ha⁻¹ + 10 kg ZnSO₄ as a basal dose.

OFT-2

Title : Application methods of *Trichoderma* against stem rot disease in groundnut

Objective : Application method of biological control agent *Trichoderma* for managing the disease problem in groundnut.

Treatments :

1. Mix *Trichoderma* @ 2.5 kg /ha with 50 kg fine sand or organic manure and soil application in side the groundnut row at 30 days after sowing in moist condition (General Recommendation- Farmers Methods)
2. Mixing *Trichoderma* @ 2.5 kg/ha with castor cake @ 500 kg/ha at the time of sowing with the help of multi purpose seed drill . (Recommended Practice by JAU).
3. Soil drenching of *Trichoderma* @ 50 gm/10 litter of water using spray pump without nozzle. (Intervention)
4. *Trichoderma* @ 2.5 kg/ha along with compost or castor cake 50 kg/ha at the time of after Sowing

OFT-3

Title : Management of sucking pests in cotton.

Objective: To minimize the sucking pest in cotton.

Treatments :

1. New insecticide use (Farmers practice)
2. Use of new, old and bio control agent (Recommended practice)
3. Alternate treatment one and two

OFT- 4

Title : Low yield in groundnut due to improper tillage practice

Objective: Soil moisture conservation through deep plowing up to 20 cm depth

Treatments :

1. Shallow plowing with 7-8 inter culturing (Farmers method)
2. Deep plowing with 2-4 inter culturing (Recommended Practice)
3. Medium deep ploughing with 4-5 times inter culturing (Intervention)

OFT- 5

Title : Management of Anemia in adolescent girls.

Objective: Improving the hemoglobin percentage in rural adolescent girls

Treatments :

1. Iron & Folic acid tables from PHC
2. Dietary iron concentrate
3. Control

No. of replications : 30 girls

Observations:

1. Body weight (Kg)
2. Hemoglobin (%)

4. Extension Activities :

Sr. No.	Activity	Proposed No.
1	Kisan Mela	1
2	Field Day	5
3	Kisan Ghosthi	12
4	Radio Talk	As and when require
5	TV Show	As. and when require
6	Film Show	12
7	Animal Health Camp	4
8	Khedut shibir	10
9	Kisan mahila meeting	2
10	News paper Coverage	As and when require
11	Popular Articles	20
12	Extension Literature	9
13	Advisory Service	As and when require
14	Ex-Trainee Sammelan	1
15	Others- Seminar	3
16	Pashu Mela	1
17	Exhibition	2
18	Night meeting	6