

ACTION PLAN

[2006 - 07]

OF

**KRISHI VIGYAN KENDRA
KHAPAT-PORBANDAR**

**TO BE PRESENTED AT ANNUAL ZONAL WORKSHOP
HELD AT DANTIWADA**

2nd to 4th November 2006



**TRAINING ORGANIZER
KRISHI VIGYAN KENDRA
JUNAGADH AGRICULTURAL UNIVERSITY
KHAPAT – 360 579
DISTRICT : PORBANDAR
[GUJARAT]**

Basic Information of the Krishi Vigyan Kendra:

1. Name of the Krishi Vigyan Kendra	Krishi Vigyan Kendra Junagadh Agricultural University Khapat - Porbandar
2. Name of the Organization	Junagadh Agricultural University Junagadh-362001
3. Address	Krishi Vigyan Kendra Junagadh Agricultural University Khapat - 360579 Dist. Porbandar Email: kvk_khapat@yahoo.co.in Phone: 0286-2242416
4. Name of the Head of the Organization	Dr. B. K. Kikani Vice Chancellor Junagadh Agricultural University Junagadh-362001
5. Name of the In-Charge of the Station	Training Organizer Krishi Vigyan Kendra Junagadh Agricultural University Khapat – Porbandar Mob: 9898055495
7. Letter No. & Date of Sanction	Deputy Secretary, I.C.A.R, New Delhi Latter No: 13-16 / 2003 / I, Dated : 07-12-2004
8. Month and Year of Inception	February 2005

Basic information of operational district Porbandar

1.	Total geographical area	197419 ha
2.	Total cultivable area	118588 ha
3.	Total area under forest	20946 ha
4.	Total Irrigated area	12700 ha
5.	Number of farm holdings	52000
6.	Average annual rainfall	615 mm
7.	Soil type	Medium black
8.	Total no. of villages	153
9.	Total Population	Rural 2,75,447 city 2,61,407 = 5,36,854
10.	Literacy percentage	
	(a) Male	78.36 %
	(b) Female	58.42 %
11.	No. of Talukas	3
12.	Major crop grown	Cereals: Wheat, Sorghum and Pearl Millet Pulses : Green gram, Black gram, Chickpea Oilseeds: G.nut, Sesame, Castor, Mustard Others : Cotton, Cumin, Onion, Garlic, Vegetables
13.	Live Stock	Bullock & Cows : 77000 Buffaloes : 80000 Sheep & Goats : 70000 Poultry : 4187 Other live stock : 3000

Description of Agro–Climate zone and farming situation of the Porbandar district.

Gujarat has been divided into eight agro climatic zones on the basis of agro climatic conditions, soil types, and cropping pattern. **Porbandar** district falls under South Saurashtra Agro climatic Zone. The soil of this zone are medium black & silty loam with calcareous in nature. The upper layer of the soil is thin and shallow in depth. The pH of the soil is ranging from 8.01 to 8.58. The infiltration rate of the soil is very fast. The under ground water table is brackish to saline with Ec value 8.1 mm / cm. **Porbandar** district is located between **21°** to **22° N** latitude and **69°** to **70° E** longitude.

Porbandar is having three talukas namely, Porbandar (21.15° N & 70.25° E), Ranavav (25.50° N & 69.55° E) and Kutiana (21.45° N & 70.10° E)

Monsoon in this area commences in the middle of July and retreats by the middle of September. Most of the precipitation is received from South – West monsoon, concentrating in the month of July and August. The maximum rainfall and number of rainy days are observed in July. The 10 years average rainfall of the research station is 459.5 mm with 23 rainy days. The winter season sets by the end of October. This district is situated near seashore hence, there are no drastic fluctuation in the temperature. The average maximum and minimum temperatures are 35.3° C and 16.9 °C respectively. Overall climate of this station is humid and convenient for coastal crops

The main crops of the region are groundnut, castor, sesame, cotton, pigeon pea, greengram, clusterbean, black gram, pearl millet, sorghum, wheat, cumin, onion, garlic, vegetables etc.

Seasonal vegetables are also grown in limited area. Lift irrigation through tube well & dug well are the main sources of irrigation.

Objectives of the K.V.K, Khapat

1. To organize short and long term vocational training programmes through "Learning by doing" for economical poor farmers, rural youth and farm women for their self employment.
2. To conduct front - line demonstrations on different oil seed and pulse crops and to disseminate the production technologies among the farmers and to collect the feed back from the farmers.
3. Conducting "On farm testing" for identifying technologies in terms of location specific sustainable land use systems.
4. Organize training to up date the extension personnel with emerging advances in agricultural research on regular basis.
5. Preparation and distribution of printed literatures for "Package of Practices of different Crops" to the farmers.

Major Thrust Area

- ❖ Improved package of practices for different crops of the area
- ❖ Awareness about horticultural crops
- ❖ Efficient use of available irrigation water.
- ❖ Organic farming.
- ❖ Integrated Pest and Diseases management.
- ❖ Awareness about fisheries cultivation
- ❖ skill oriented income generating activities such as :
 - Sewing
 - Fruits and vegetable preservation
 - Maintenance and repairing of oil engine, electric motor, tractor, pump set and plant protection equipments.
 - Preparation of bakery products.

Quarter wise Summary of Annual Action Plan : 2006 - 2007

1. Training Programme

Subjects	Practicing farmers				Farm women				Rural youth				Extension functionary				Sponsored training				Total on Campus				Total	Total off campus				Total	Grand Total				
	I	II	III	IV	I	II	III	IV	I	II	III	IV	I	II	III	IV	I	II	III	IV	I	II	III	IV		I	II	III	IV						
Crop prod.	3	2	4	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3	2	4	1	10	3	2	4	-	9	19
Horti.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	1	1
Pl. Protection	3	2	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3	2	2	-	7	5	1	2	2	10	17
Home Sci.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	-	2	2
Ag. Eng.	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	1	1	2	2	-	5	6
Fisheries	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	2	2	-	6	6
Total	7	4	6	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	7	4	6	1	18	12	8	11	2	33	51

A. On Campus Training Programs

Subject	Title of Training	Duration Days	No. of Parti.	Type of Parti.
Quarter-IV	(1st July to 30th September-06)			
Crop Production	➤ Castor Production Technology	1	25	Farmers

Subject	Title of Training	Duration Days	No. of Parti.	Type of Parti.
Quarter-I	(1st October to 31st December-06)			
Crop Production	➤ Improved cultivation practices for gram,	1	25	Farmers
	➤ Improved cultivation practices for cumin	1	25	Farmers
	➤ Improved cultivation practices for wheat	1	25	Farmers
Plant Protection	➤ Intergraded Pest & Disease management in cumin	1	25	Farmers
	➤ Intergraded Pest & Disease management in gram	1	25	Farmers
	➤ Intergraded Pest & Disease management in wheat	1	25	Farmers
Agril. Engineering	➤ Use of conserved soil moisture in Ghed Area	1	25	Farmers

Subject	Title of Training	Duration Days	No. of Parti.	Type of Parti.
Quarter-II	(1st January-07 to 31st March-07)			
Crop Production	➤ Technique for vermi composting	1	25	Rural youth Farmers
	➤ Water management in summer G. nut	1	25	
Pl. Protection	Self preparation of Bio-pesticide	1	25	Farmers
	Integrated Pest Management in Vegetables	1	25	Farmers

Subject	Title of Training	Duration Days	No. of Parti.	Type of Parti.
Quarter-III	(1st April-07 to 30th June-07)			
Crop Production	➤ Groundnut Production Technology	1	25	Farmers
	➤ Profitable Cotton Production Technology	1	25	Farmers
	➤ Roll of Inter Cropping in rain fed areas.	1	25	Farmers
	➤ Integrated Nutrient Management in Kharif Crops	1	25	Farmers
Plan Protection	➤ Pest & Diseases Management in Groundnut	1	25	Farmers
	➤ Biological control of pest & diseases	1	25	Farmers

B. Off Campus Training Programs

Subject	Title of Training	Duration Days	No. of Parti.	Type of Parti.
Quarter-IV	(1st July to 30th September-06)			
Plant Protection	➤ Control measures for pest and diseases of Castor	1	25	Farmers
	➤ Integrated Pest Management in Cotton	1	25	Farmers

Subject	Title of Training	Duration Days	No. of Parti.	Type of Parti.
Quarter-I	(1st October to 31st December-06)			
Crop Production	➤ Intergraded Weed Management in major rabi field crops	1	25	Farmers
	➤ Intergraded Nutrient Management in major rabi field crops	1	25	Farmers
	➤ Efficient Water Management in major rabi field crops	1	25	Farmers
Plant Protection	➤ Control measures of pest and diseases of rabi crops	1	25	Farmers
	➤ Pest & Disease Management in onion, garlic and chilli	1	25	Farmers
	➤ Control measures for Rodent	1	25	Farmers
	➤ Storage Pest Management in groundnut	1	25	Farmers
	➤ Aflatoxin Management in groundnut	1	25	Farmers
Horticulture	➤ Important of floriculture	1	25	Farmers
Agril. Eng.	➤ Drip irrigation in horticultural crops	1	25	Farmers
Fisheries	➤ Fresh Water Aquaculture practices	1	25	Fish Farmers
	➤ Brackish water aquaculture management practices	1	25	Fish Farmers

Subject	Title of Training	Duration Days	No. of Parti.	Type of Parti.
Quarter-II	(1st January-07 to 31st March-07)			
Crop production	➤ Method of Soil sampling	1	25	Farmers
	➤ Soil and fertility management	1	25	Farmers
Plant Protection	Safe use of pesticides	1	25	Farmers
Home Science	➤ Value addition in Agril. Products	1	25	Rural youth & farm women
Agril. Engineering	➤ Micro irrigation in field crops	1	25	Farmers
	➤ Repairing of bunds & water storage structures	1	25	Farmers
Fisheries	➤ Preparation of Liquid Seaweed Fertilizer	1	25	Fish Farmers & Youths
	➤ Shrimp Hatchery Management	1	25	Fish Farmers

Subject	Title of Training	Duration Days	No. of Parti.	Type of Parti.
Quarter-III	(1st April-07 to 30th June-07)			
Crop Production	➤ Improved cultivation practices for G.nut	1	25	Farmers
	➤ In-situ moisture conservation	1	25	Farmers
	➤ Dose of fertilizer and method of Application in kharif crops	1	25	Farmers
	➤ Selection of Cotton varieties	1	25	Farmers
Plan Protection	➤ Seed Treatment in G.nut	1	25	Farmers
	➤ Integrated Pest Management in Cotton	1	25	Farmers
Home science	➤ Preparation of bakery products	1	25	Farm women
Agril Engineering	➤ Ground water recharge techniques	1	25	Farmers
	➤ Use of improved Agril. Implements	1	25	
Fisheries	➤ Shrimp Hatchery Management	1	25	Fish Farmers
	➤ Brackish water aquaculture management practices	1	25	Fish Farmers

2. Demonstrations :

2.1 Front Line Demonstration of oilseeds and pulses

Sr. No. 1.	Type of demonstration 2.	Crop 3.	Variety 4	Area (Ha.) 5.	Number of demonstrations 6.	Farming situations 7.	Remarks 8.
1. KHARIF SEASON : 2006-07							
(A)	Oil seeds	Castor	GCH-6	5	10	Irrigated	Kharif - 06
2. RABI SEASON : 2006-07							
(A)	Pulses	Gram	Guj.2	10	20	Rainfed	Rabi - 06-07
(B)	Oil seed	Mustard	GM 2	5	10	Irrigated	Rabi - 06-07

2.2 Front Line Demonstration other than oilseed and pulses: (Rabi season-2006-07)

Sr. No. 1.	Type of demonstration 2.	Crop 3.	Variety 4	Area (Ha.) 5.	Number of demonstration 6.	Farming situations 7.	Remarks 8.
ii)	Rabi- Season	Wheat	GW-496	10	25	Irrigated	Rabi - 2006-07
iii)	Rabi- Season	Cumin	GC-4	10	25	Irrigated	Rabi - 2006-07

3. Other Extension Activities:

Sr. No.	Activity	Proposed Number
1.	Kisan Mela	-
2	Field day	20
3.	Kisan Gosthi	25
4	Radio / TV Talks	5
5	TV Show	-
6	Film show	-
7.	Exhibition	1
8	News Paper Coverage	10
9	Popular Article	15
10	Extension Literature	
	i) Folders / Pamphlets	10 No.
	ii) Slides	-
	iii) Video film show	5
11	Advisory Service	2
13.	Diagnostic service	
	i) Farmers visit to K.V.K	100
	ii) Scientist visit to farmers Field	150
14.	Communication media	
	i) Subscriber of krushi go vidhya Magazine	50

4. Infrastructure development

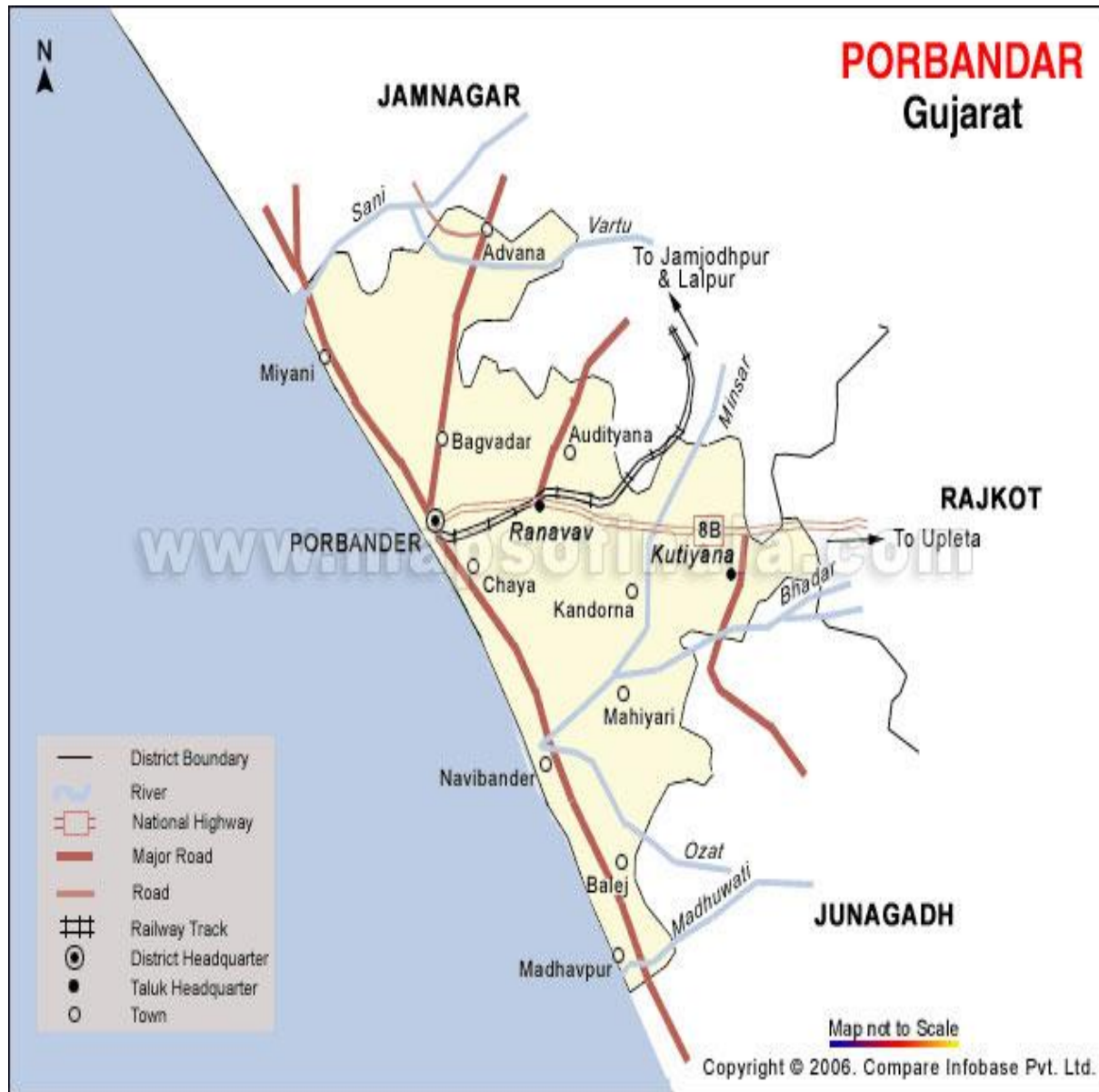
: Required Administrative Buildings plan and estimates are being submitted to ICAR, New Delhi & Approved

5. Utilization of KVK Funds during the Year 2005-06

Sr No	Item	Sanction (Rs.)Lakh	Released(Rs.) Lakh	Expenditure (Rs.)
		2005-06	2005-06	2005-06
(A) Recurring Contingencies				
1	Pay & Allowances	8.00	8.00	4,80,948
2	Traveling Allowances	0.50	0.50	37,017
3	Contingencies	2.00	2.00	1,60,706
(B) Non Recurring Contingencies				
1.	New Vehicle (Jeep)	5.00	5.00	4,96,000
2.	New Adm. Building	10.00	10.00	-
3.	Library	0.10	0.10	3,636
GRAND TOTAL		25.60	25.60	11,78,307

6. Staff Position

S.R No	Name	Designation	Discipline	Pay Scale (Rs.)	Present basic pay (Rs.)	Date of joining	Category SC/ST/OBC Others
1.	Shri. D. M. Pathak	Training Organizer	Plant Pathology	8000-13500	8000	16-8-06	Other
2.	Shri P. J. Gohil	Training Associate	Agronomy	8000-13500	8000	21-8-06	SEBC
3.	Shri R. B. Vadher	Training Associate	Ento.	8000-13500	8000	19-8-06	SEBC
4.	Shri H. R. Vadar	Training Associate	SWE	8000-13500	8000	22-8-06	SEBC
5.	Miss D. M. Bhatt	Training Associate	Home Sci.	8000-13500	8000	22-8-06	Other
6.	Shri S. R. Thaker	Training Associate	Fisheries	8000-13500	8000	31-8-06	Other
7.	Shri D. T. Chaudhary	OS	--	6500-10500	5300	1-6-05	ST



Cluster of villages selected

Sr. No.	Name of Village
Porbandar Taluka	
1.	Bagvadar
2.	Visavada
3.	Vadala
4.	Advana
5.	Boricha
Kutiana Taluka	
1.	Khageshri
2.	Ishwaria
3.	Chauta
4.	Mahiyari
5.	Amipur
Ranavav Taluka	
1.	Bileshwar
2.	Hanumangadh
3.	Bordi
4.	Kandorana
5.	Bapodar

