

ANNUAL REPORT 2009-10

(FOR THE PERIOD OCTOBER 2008 TO SEPTEMBER 2009)

KRISHI VIGYAN KENDRA (HIREHALLI, TUMKUR)

PART I - GENERAL INFORMATION ABOUT THE KVK**1.1. Name and address of KVK with phone, fax and e-mail**

Address	Telephone		E mail	Web Address
	Office	FAX		
Krishi Vigyan Kendra, Hirehalli, Tumkur	0816-2243792	0816-2243214	iihrkvk@gmail.com	www.iihr.ernet.in

1.2. Name and address of host organization with phone, fax and e-mail

Address	Telephone		E mail	Web Address
	Office	FAX		
Indian Institute of Horticultural Research (ICAR), Hessaraghatta Lake Post, Bangalore – 89, Karnataka	080 - 28466420	080-28466291	director@iihr.ernet.in	www.iihr.ernet.in

1.3. Name of the Programme Coordinator with phone & mobile No

Name	Telephone / Contact		
	Residence	Mobile	Email
Dr. L.B.Naik	-	9449816584	lbnaik@iihr.ernet.in

1.4. Year of sanction: KVK, Hirehalli (IIHR), Tumkur was sanctioned and started functioning from 24.03.2009 vide ref. F.No. 16(1)/2009-AE-1 of Deputy Secretary (Agril. Extension) ICAR, New Delhi dtd. 24.03.2009.

1.5. Staff Position (as on 31st August 2009)

Sl. No	Sanctioned post	Name of the incumbent	Designation	M/F	Discipline	Highest Qualification (for PC, SMS and Prog. Asstt.)	Pay Scale	Basic pay	Date of joining KVK	Permanent /Temporary	Category (SC /ST/ OBC/ Others)
1	Program Coordinator	Dr. L.B.Naik	Programme Coordinator	M	Agronomy	M.Sc. (Agri), Ph.D	37,400-60,000	18300	In charge	In charge	Others
2	SMS	Mr.K.N.Jagadish	SMS	M	Agril. Extn.	M.Sc. (Agri)	15,600-39,100	15,480	17.10.09	Permanent	OBC
3	SMS	Mr.Ramesh. P.R.	SMS	M	Soil Science	M.Sc. (Agri)	15,600-39,100	15,480	17.10.09	Permanent	OBC
4	SMS	Mr.Prashanth.J.M	SMS	M	Horti	M.Sc. (Agri-Horti)	15,600-39,100	15,480	24.10.09	Permanent	Others
5	SMS	Mr.Hanumanthe Gowda	SMS	M	Plant Pathology	M.Sc. (Agri)	15,600-39,100	15,480	02-12-2009	Permanent	Others
6	SMS	Ms. Radha Bankar	SMS	F	Food Nurtition	M.Sc. (Agri)	15,600-39,100	15,480	05.12.09	Permanent	Others
7	SMS	Mr. Somashekhar	SMS	M	GPB	M.Sc. (Agri)	15,600-39,100	15,480	07.12.09	Permanent	Others
8	Programme Assistant (Lab Tech.)/T-4	Mr.Shivashankar Murthy	Programme Assistant	M	Agronomy	M.Sc.(Agri)	9300-34,900	5500-9000	08-10-2009	Permanent	SC
9	Programme Assistant (Computer)/ T-4	Ms. Jyothi Appu Naik	Computer Programmer	F	B.E.	B.E. Information Technology	9300-34,900	5500-9000	30-09-2009	Permanent	Others
10	Programme Assistant/ Farm Manager	Mr. Sanna Manjunath	Farm Manager	M	Agronomy	M.Sc. (Agri)	9300-34,900	5500-9000	01-10-2009	Permanent	Others
11	Assistant	Mr.Krishnappa.D	Superintende nt	M	SSLC	SSLC	9300-34,900	15,010	14-10-2009	Permanent	Others
12	Jr. Stenographer	Vacant	-	-	-	-	-	-	-	-	-
13	Driver	Vacant	-	-	-	-	-	-	-	-	-
14	Driver	Vacant	-	-	-	-	-	-	-	-	-
15	Supporting staff	Ms.Jaya	Supporting Staff	F	Supporting Staff	-	4,440-7,440	8,060	23-07-2009	Permanent	Others
16	Supporting staff	Mr. Narayanappa	Supporting Staff	M	Supporting Staff	-	4,440-7,440	8,060	24-07-2009	Permanent	Others

1.6. Total land with KVK (in ha) :

Sl. No.	Item	Area (ha)
1	Under Buildings	-
2.	Under Demonstration Units	-
3.	Under Crops	9.5
4.	Orchard/Agro-forestry	5.5
5.	Others	-

1.7. Infrastructural Development:**A) Buildings**

S. No.	Name of building	Source of funding	Stage					
			Complete			Incomplete		
			Completion Date	Plinth area (Sq.m)	Expenditure (Rs.)	Starting Date	Plinth area (Sq.m)	Status of construction
1.	Administrative Building	ICAR, Zone-VIII, Bangalore	-	-	-	-	-	-
2.	Farmers Hostel	-	-	-	-	-	-	-
3.	Staff Quarters	-	-	-	-	-	-	-
4.	Demonstration Units	-	-	-	-	-	-	-
5	Fencing	-	-	-	-	-	-	-
6	Rain Water harvesting system	ICAR, Zone-VIII, Bangalore	-	-	-	-	-	-
7	Threshing floor	-	-	-	-	-	-	-
8	Farm godown	-	-	-	-	-	-	-

B) Vehicles

Type of vehicle	Year of purchase	Cost (Rs.)	Total kms. Run	Present status
Mahendra Bolero	2009	4,73,220	12,200	Good
Tractor & Trailer	-			
Motor Cycle	-			
Motor Cycle	-			
Bicycle	-			

C) Equipments & AV aids

Name of the equipment	Year of purchase	Cost (Rs.)	Present status
Computer with accessories	-	-	-
UPS & Battery	-	-	-
Xerox machine	-	-	-
Wall mounted screen	-	-	-
Disc plough	-	-	-
Disc scalloped one set of 7 Nos	-	-	-
Disc plain one set of 7 Nos.	-	-	-
4 ½ blade harrow	-	-	-
Camera (Digital)	-	-	-
Computer with accessories	-	-	-
L.C.D Projector	-	-	-

1.8. A). Details SAC meeting conducted in 2008-09

Sl. No	Date	Number of Participants	No. of absentees	Salient Recommendations	Action taken
1.	Nil	-	-	-	-

PART II - DETAILS OF DISTRICT**2.1 Major farming systems/enterprises (based on the analysis made by the KVK)**

Sl.No.	Farming system/enterprise
1	Dry land Agriculture, Dry land Horticulture, Agri-silvi system, Agri-silvi Horti system, integrated farming system, intercropping system, mixed cropping system, poultry, dairy enterprises, & sericulture

2.2 Description of Agro-climatic Zone & major agro ecological situations (based on soil and topography)

Sl. No.	Agro-climatic Zone	Characteristics
1	Central dry Zone (Zone –IV) (Tumkur Taluk)	<ul style="list-style-type: none"> ❖ The Zone is characterized by lowest rainfall of Karnataka state with avg. rainfall ranges from 455.5 to 717.4mm received in about 25 rainy days. ❖ Red Sandy loams in major areas, shallow to deep black soil in remaining areas. ❖ The major crops grown in this zone are Tomato, Beans, Peas, Betel vine, Banana, Coconut, Arecanut, Ragi, Paddy, Maize, Jowar, Groundnut, Mustard, Tur, Other Pulses, Sunflower, Sugarcane and Mulberry.
2	Eastern Dry Zone (Zone – V) (Pavagada,Sira, Mahugiri, Koratagere Taluk)	<ul style="list-style-type: none"> ❖ The Zone is characterized by medium rainfall of Karnataka state with an avg. rainfall range from 679.1 to 888.9 mm received in about 35 rainy days. ❖ Red Sandy loams in major areas, clay lateritic soils in remaining areas. ❖ The major crops grown in this zone are Paddy, Ragi, Jowar, Bajara, Maize, Minor millets, Bengal gram, Tur, Groundnut, Sunflower, Mustard , Sugarcane, Cotton, Tomato, Brinjal, Tobacco, Beans, Mango, Sapota, Coconut and Mulberry.

S. No	Agro ecological situation	Characteristics
1	Agro eco sub region-1	Hot moist, semiarid ESR with LGP 150-180 days (LGP-length of growing period)

2.3 Soil type/s

S. No	Soil type	Characteristics	Area (ha)
1	Red sandy loam	Soil contains 75-80% sand, silt 5-15% and clay 16-20%. Depth of the soil is shallow to medium. The clay fraction of red soils is rich in kaolinitic type of clay minerals. medium in fertility	6,15,230
2	Shallow black soils	Depth of the soil is shallow, water holding capacity is poor, low fertility	2,45,432
3	Red loamy soils	Red loams characterized by argillaceous soils with a cloddy structure and the presence of only a little concretionary material. Soils contain 31 – 34 % sand and 44 to 47% silt and 22 to 25 % clay, medium to high fertility. "N" is below 0.1 percent	2,04,093

2.4. Area, Production and Productivity of major crops cultivated in the district

S. No	Crop	Area (ha)	Production (Qtl)	Productivity (Qtl /ha)
1	Paddy	17396	54784	32.14
2	Ragi	98361	69704	7.30
3	Jowar	756	542	7.28
	Maize	7833	13722	17.93
4	Redgram	8797	2809	2.99
5	Ground nut	79669	42264	3.1
6	Sunflower	12092	5668	4.62
7	Cotton	738	4087 bales	336 kg lint
8	Banana	3907	1,25,408 ton	33.2 ton
9	Tomato	673	19,483 ton	77 ton
10	Brinjal	356	14455 ton	39 ton
11	Tamarind	2278	23179 ton	9.6 ton
12	Chilli	3199	37909 ton	11.7 ton
13	Coconut	1,22,469	13174.4 ton	46nuts/palm/yr
14	Arecanut	19044	26040.7 ton	10.62q/ha/yr

* Source : Dept of Agriculture, Tumkur & Tumkur at a Glance : 2008-09

2.5. Weather data

Month	Rainfall (mm)	Temperature ° C		Relative Humidity (%)
		Maximum	Minimum	
December 08	-	-	-	-
January 09	-	-	-	-
February 09	-	-	-	-
March 09	-	-	-	-
April 09	-	-	-	-
May 09	-	-	-	-
June 09	-	-	-	-
July 09	-	-	-	-
August 09				

- Please provide latest data from authorized sources. Please quote the source

2.6. Production and productivity of livestock, Poultry, Fisheries etc. in the district

Category	Population	Production(milk) 000 tons	Productivity(lt/animals)
Cattle			
<i>Crossbred</i>	63704	54	5.5745
<i>Indigenous</i>	440888	56	2.0671
Buffalo	217528	68	2.5382
Sheep meat 000 tons			
<i>Crossbred</i>	9		--
<i>Indigenous</i>	884643	17.31	--
Goats	322373	16.60	--
Pigs			
<i>Crossbred</i>	905	0.23	--
<i>Indigenous</i>	12411		--
Rabbits	560	NA	--
Poultry egg production in lakhs			
Hens	6,42,382	--	--
<i>Desi</i>		273	--
<i>Improved</i>		71	--
Category	Area	Production	Productivity
<i>Inland(Fishes)</i>	1306 ha	16,000 metric ton	650-700 kg/ha

(Source: Dept of Animal husbandry and veterinary sources)

2.8 Priority thrust areas

S.No	Thrust area
1	Integrated Disease Management in Tomato, Brinjal, Peas, Mango, Sapota etc.,
2	Integrated Crop Management in groundnut, maize, paddy
3	Nutrient Management in maize, groundnut, tur and Bengal gram
4	Fruit Quality Management in Vegetable and Fruits
5	Draught tolerant high yielding rice varieties and ragi
6	Integrated Pest Management in groundnut, cotton, sunflower, tur and bengalgram
7	Drudgery reduction
8	Nutritional food to family
9	Soil and water conservation
10	Income generating activities for SHG's