

District Agricultural Profile

Bagalkot District

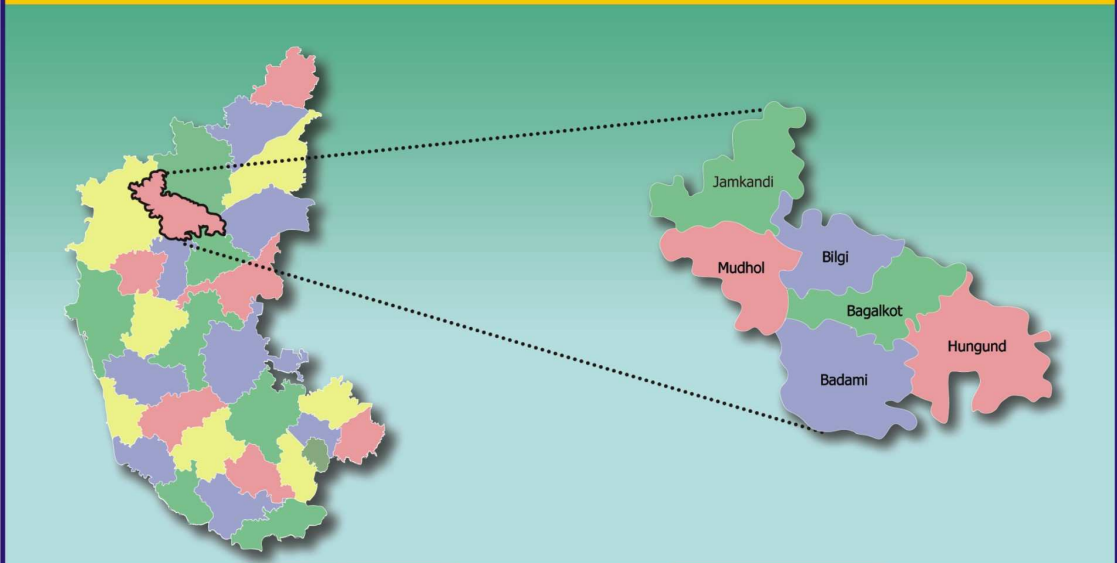
Area	6575 Sq. Kms. (658877 ha)
Rural population	1173372
Net sown area	468276 ha
Net irrigated area	228757 ha
Soil Type	Medium black, Red
Climatic Zone	Northern Dry Zone-III of Karnataka agroclimatic classification
Major crops	Sugarcane, Groundnut, Maize, Greengram, Jawar, Bengalgram and Wheat
Major fruit crops	Pomegranate, Sapota and Lime

LIVESTOCK POPULATION		
	Particulars	No
1.	Cattle	305217
2.	Buffalo	252544
3.	Goats	431719
4.	Sheep	673602
5.	Horses & Ponies	200
6.	Mules	-
7.	Donkeys	136
8.	Pigs	24922
9.	Fowls	-
10.	Ducks	-
11.	Other Poultryies	1179225
12.	Rabbits	263
	Total	2867828
BREEDABLE CATTLE & BUFFALOES		
	Female Cattle Young stock	43000
	Adults	61000
	Total	104000
	Female Buffalo Young stock	36000
	Adults	51000
	Total	87000
	Male Indigenous	55000
	Cross Bred	38000
	Total	93000
	Female Indigenous	46000
	Cross Bred	28000
	Total	74000
	Total Indigenous	101000
	Total Cross Bred	66000
	Grand Total	358000



BAGALKOT

.....the city of ancient temples



Major Field crops**CEREALS :** A=Area (ha), P=Production (tonnes), Y=Yield (Kg/ha)

Year	Jowar			Bajra			Maize			Wheat		
	A	P	Y	A	P	Y	A	P	Y	A	P	Y
2001-02	170489	125015	772	15169	11519	799	38333	114252	3137	25855	34969	1424
2002-03	162812	107887	698	24007	7171	314	30456	96747	3344	23327	32386	1461
2003-04	138744	20209	153	15454	8153	555	27906	88775	3349	15300	18327	1261
2004-05	155574	50947	681	50947	32970	681	51022	178194	3676	21202	32903	1634
2005-06	137541	165480	1266	44354	54674	1298	55414	222134	4220	21840	34948	1684
2006-07	129000	68927	562	39194	13233	355	51091	188747	3889	20992	27344	1371
2007-08	133034	193721	1533	51037	58785	1212	67185	269881	4228	23208	38300	1737
2008-09	140022	171893	1292	22009	24287	1162	67666	243231	3784	25668	37486	1537
2009-10	115557	121257	1105	43613	17323	418	82030	197519	2535	26356	36213	1446
2010-11	103464	124942	1208	32095	51448	1603	84472	382842	4532	24693	52596	2130

PULSES :

Year	Tur			Greengram			Bengalgram		
	A	P	Y	A	P	Y	A	P	Y
2001-02	1502	925	648	2301	501	229	41393	26809	682
2002-03	2749	1113	426	16545	330	21	54767	23592	453
2003-04	736	40	57	969	56	61	28249	4448	166
2004-05	3105	655	222	37851	4315	120	20960	10288	517
2005-06	2984	1032	364	28884	3375	123	19566	11244	605
2006-07	3283	904	290	30678	1574	54	28075	9088	341
2007-08	4294	3402	834	47730	9431	208	49313	34287	732
2008-09	1056	288	287	19906	321	17	60586	25597	445
2009-10	4811	2610	571	36714	4883	140	66858	39260	618
2010-11	10735	2511	234	41370	6784	164	78006	76056	975

OIL SEEDS : A=Area (ha), P=Production (tonnes), Y=Yield (Kg/ha)

Year	Groundnut			Soybean			Sunflower		
	A	P	Y	A	P	Y	A	P	Y
2001-02	14509	17691	1283	74	11	148	60592	34871	606
2002-03	15897	14914	988	1349	728	568	81081	45300	588
2003-04	17519	24515	1473	272	119	459	102970	36168	370
2004-05	25241	29068	1212	9183	5156	591	2857	943	347
2005-06	26171	23157	931	6534	4947	797	133718	85663	674
2006-07	22440	14911	699	3367	3215	1005	111488	35791	338
2007-08	22301	18291	863	2575	3474	1420	3098	2688	913
2008-09	18787	17977	1007	2281	2314	1068	88433	46310	551
2009-10	23808	22055	975	3524	2035	608	2570	1734	710
2010-11	26255	33516	1277	3086	2430	787	33031	35599	1078

Horticultural and commercial crops**VEGETABLES :** A=Area (ha), P=Production (tonnes), Y=Yield (t/ha)

Year	Onion			Tomato			Brinjal		
	A	P	Y	A	P	Y	A	P	Y
2001-02	6247	64311	10837	307	2584	8417	439	3465	7893
2002-03	3329	30605	9677	114	639	5605	215	1010	4698
2003-04	4269	27894	6878	321	9083	2657	399	3181	7972
2004-05	6986	65436	9860	266	2261	8500	328	1764	5378
2005-06	8885	64574	7650	646	2463	3813	291	2479	8519
2006-07	8284	59102	7510	1277	6269	4909	599	3968	6624
2007-08	13651	97656	7530	496	3694	7448	709	4923	6944
2008-09	10122	81356	8461	653	4059	6216	802	5437	6779
2009-10	20320	68249	3535	638	3865	6058	793	5469	6897
2010-11	-	-	-	-	-	-	-	-	-

- : Not Available

FRUITS :**A=Area (ha), P=Production (tonnes), Y=Yield (t/ha)**

Year	Sapota			Banana			Grapes			Mango			Papaya		
	A	P	Y	A	P	Y	A	P	Y	A	P	Y	A	P	Y
2001-02	336	732	2180	675	20509	30384	637	1654	25980	497	1597	3213	40	109	2751
2002-03	452	955	2113	466	7118	15274	608	1638	26946	287	920	3207	43	117	2751
2003-04	385	800	2079	314	6121	19493	1829	7851	42928	1399	6109	4367	48	193	4070
2004-05	461	445	965	191	7032	36818	1150	4767	41452	155	263	1696	34	93	2751
2005-06	364	152	418	84	2477	29484	1320	3898	29536	136	519	3814	26	71	2751
2006-07	487	1307	2683	572	11420	19965	1428	5978	41867	136	710	5218	60	163	2751
2007-08	611	4127	6754	862	13986	16225	1040	3643	35033	141	465	3296	82	2785	34305
2008-09	697	5961	8552	1424	32850	23069	1230	4870	39596	287	2378	8284	215	8097	38043
2009-10	755	4258	5640	1575	17048	10824	1221	5787	47402	291	1238	4253	207	9053	44175
2010-11	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Year	Guava			Lemon			Turmeric			Coconut			Pomegranate		
	A	P	Y	A	P	Y	A	P	Y	A	P	Y	A	P	Y
2001-02	89	274	3082	619	2918	4714	311	1553	4995	1142	5456	4826	-	-	-
2002-03	48	168	3494	350	3155	9013	356	1991	5593	877	4190	4826	-	-	-
2003-04	61	70	1142	374	1368	3657	233	1392	5975	600	2867	4826	-	-	-
2004-05	44	184	4191	234	1389	5937	374	2277	6087	452	2160	4826	-	-	-
2005-06	44	136	3100	356	617	1732	368	4453	12100	413	1973	4826	-	-	-
2006-07	44	128	2915	353	3547	10049	591	4045	6844	236	1128	4826	1686	15273	9059
2007-08	67	466	6959	409	1578	3859	1203	15696	13047	264	1344	5143	1850	17068	9226
2008-09	89	442	4964	578	9324	16132	1994	13402	6721	410	2809	6920	2049	23039	11244
2009-10	80	1830	22880	604	8017	13274	3231	24717	7650	614	4366	7182	1931	23859	12356
2010-11	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

- : Not Available

COMMERCIAL CROPS :

Year	Cotton			Sugarcane		
	A	P	Y	A	P	Y(tonnes)
2001-02	14104	22539	286	60450	5570468	97
2002-03	3511	5149	262	58694	5241374	94
2003-04	3226	6374	354	38744	2834124	77
2004-05	7315	12172	298	47556	2913875	103
2005-06	5632	9351	297	65733	3445810	96
2006-07	2974	4695	283	76896	4274996	92
2007-08	2660	3791	255	71848	5071202	93
2008-09	2466	5901	428	84043	5860723	109
2009-10	2824	4402	279	88497	6549266	108
2010-11	1434	2259	158	121520	9392650	77

A=Area (ha), P=Production (tonnes), Y=Yield (Kg/ha)

Livestock, poultry and fishery

Year	Livestock (in lakh)			Poultry (in lakh)			Fishery (in lakh)		
	No.	Prod.	PY	No.	Prod.	Y	Area	Prod.	Y (Kg/ha)
2001-02	-	-	-	-	-	-	-	-	-
2002-03	-	-	-	-	-	-	-	-	-
2003-04	11.52	-	-	8.30	-	-	-	-	-
2004-05	11.52	-	-	8.30	-	-	-	-	-
2005-06	11.52	-	-	8.30	-	-	-	-	-
2006-07	11.52	-	-	8.30	-	-	-	-	-
2007-08	11.52	-	-	8.30	-	-	-	-	-
2008-09	17.55	-	-	11.21	-	-	-	-	-
2009-10	17.55	-	-	11.21	-	-	-	-	-
2010-11	17.55	-	-	11.21	-	-	0.005	0.002	970
2011-12	17.55	-	-	11.21	-	-	0.005	0.014	1096

CROP PLANNING

Crop Planning for Kharif Normal Condition

Sectors	Varieties breed species	Nutrient Management N:P:K:S: Zn (STV based)	Tillage operation	Water management	Soil water conservation	Tool/Farm Implements
Cereals						
Bajra	ICTP-8203	N : 50 kg/ha P : 25 kg/ha	Deep ploughing Clod crushing Harrowing	In case of light soils 8-12 days interval. In case of heavy soils 12-15 days interval	Inter terrace management, Rain water harvesting	M. B. plough, cultivator, Tractor drawn/ Bullock drawn implements
	ICAM-221					
Sorghum	CSH-14,15,16	N : 50 kg/ha P : 60 kg/ha K : 37 kg/ha				
	DSV-1,2					
	M 35-1					
Maize	DMH-1	N : 150 kg/ha P : 75 kg/ha K : 37.5 kg/ha Zn : 10 kg/ha				
	Deccan-101					
	Arjun					
	Ganga-11					
Pulses						
Greengram	S-4	N : 12.5 kg/ha P : 25 kg/ha S : 20 kg/ha Gypsum : 100	Deep ploughing Clod crushing Harrowing	In case of light soils 8-12 days interval. In case of heavy soils 12-15 days interval	Inter terrace management, Rain water harvesting	M. B. plough, cultivator, Tractor drawn/ Bullock drawn implements
	China					
	Mung					
	PB-16					
Redgram	JS-1	N : 25 kg/ha P : 50 kg/ha Zn : 15 kg/ha S : 20 kg/ha				
	Maruthi					
	Asha					
	TRS-3					
Oil seeds						
Soybean	JS-335	N : 40 kg/ha P : 80 kg/ha K : 25 kg/ha Zn : 12 kg/ha	Deep ploughing Clod crushing Harrowing	In case of light soils 8-12 days interval. In case of heavy soils 12-15 days interval	Inter terrace management, Rain water harvesting	M. B. plough, cultivator, Tractor drawn/ Bullock drawn implements
Sunflower	KBSH-1	N : 35 kg/ha P : 50 kg/ha K : 35 kg/ha				
	DSH-1					
	KBSH-44					
Vegetables						
Tomato	Pusa ruby	N : 250 kg/ha P : 250 kg/ha K : 250 kg/ha	Deep ploughing Clod crushing Harrowing	In case of light soils 8-12 days interval. In	Inter terrace management, Rain water harvesting	M. B. plough, cultivator, Tractor
	Megha					
	Arka vikas					

Brinjal	Arka Navneeth	N : 150 kg/ha P : 50 kg/ha		case of heavy soils 12-15 days interval		drawn/ Bullock drawn implements
	Kengeri	K : 75 kg/ha				
Chilli	Arka lohith	N : 150 kg/ha				
	X-235	P : 75 kg/ha				
	G-3	K : 75 kg/ha				
Spice						
Turmeric	Salem	N : 90 kg/ha				
	Kadapa	P : 90 kg/ha K : 100 kg/ha				
Fodder						
Fodder crops	Fodder sorghum	N : 100 kg/ha P : 60 kg/ha K : 40 kg/ha	Deep ploughing Clod crushing Harrowing	In case of light soils 8-12 days interval. In case of heavy soils 12-15 days interval	Inter terrace management, Rain water harvesting	M. B. plough, cultivator, Tractor drawn/ Bullock drawn implements
	Cow pea	N : 15 kg/ha P : 30 kg/ha				
	Lucerne	N : 25 kg/ha P : 80 kg/ha K : 25 kg/ha				
	Hybrid napier	N : 185 kg/ha P : 100 kg/ha K : 60 kg/ha				

Crop Planning for Kharif Delayed Monsoon

Sectors	Varieties breed species	Nutrient Management N:P:K:S: Zn (STV based)	Tillage operation	Water management	Soil water conservation	Tool/Farm Implements
Cereals						
Bajra	ICTP-8203	N : 40 kg/ha P : 20 kg/ha	Fall ploughing	In case of light soils 8-12 days interval. In case of heavy soils 12-15 days interval	Compartment bunding, Frequent intercultivation	M. B. plough, cultivator, Tractor drawn/ Bullock drawn implements
	ICAM-221					
Foxtail millet	HMT-100-1	N : 24 kg/ha P : 12 kg/ha K : 12 kg/ha				
Pulses						
Horsegram	GPM-6	N : 8 kg/ha P : 24 kg/ha	Fall ploughing	In case of light soils 8-12 days interval. In case of heavy soils 12-15 days interval	Compartment bunding, Frequent intercultivation	M. B. plough, cultivator, Tractor drawn/ Bullock drawn

						implements
Oil seeds						
Sunflower	KBSH-1	N : 28 kg/ha	Fall ploughing	In case of light soils 8-12 days interval. In case of heavy soils 12-15 days interval	Compartment bunding, Frequent intercultivation	M. B. plough, cultivator, Tractor drawn/ Bullock drawn implements
	DSH-1	P : 40 kg/ha				
	KBSH-	K : 28 kg/ha				
Sesamum	E-8	N : 32 kg/ha				
	DS-1	P : 20 kg/ha K : 20 kg/ha				
Niger	NO-71	N : 16 kg/ha				
	R.CR-18	P : 32 kg/ha K : 16 kg/ha				

Crop Planning for Rabi Normal Condition

Sectors	Varieties breed species	Nutrient Management N:P:K:S: Zn (STV based)	Tillage operation	Water management	Soil water conservation	Tool/Farm Implements
Cereals						
Sorghum	CSH-14,5,18	N : 100 kg/ha P : 75 kg/ha	Deep ploughing Clod crushing Harrowing	In case of light soils 8-12 days interval. In case of heavy soils 12-15 days interval	Inter terrace management, Rain water harvesting	M. B. plough, cultivator, Tractor drawn/ Bullock drawn implements
		DSV-1,2				
Pulses						
Bengalgram	A-1	N : 10 kg/ha P : 25 kg/ha	Deep ploughing Clod crushing Harrowing	In case of light soils 8-12 days interval. In case of heavy soils 12-15 days interval	Inter terrace management, Rain water harvesting	M. B. plough, cultivator, Tractor drawn/ Bullock drawn implements
Oil seeds						
Safflower	A-1	N : 40 kg/ha P : 40 kg/ha K : 12 kg/ha S : 30 kg/ha	Deep ploughing Clod crushing Harrowing	In case of light soils 8-12 days interval. In case of heavy soils 12-15 days interval	Inter terrace management, Rain water harvesting	M. B. plough, cultivator, Tractor drawn/ Bullock drawn implements
	A-300					
	S-144					
Sunflower	KBSH-1	N : 35 kg/ha P : 50 kg/ha K : 35 kg/ha				
	DSH-1					
	KBSH-44					

Crop Planning for Rabi Delayed Monsoon

Sectors	Varieties breed species	Nutrient Management N:P:K:S: Zn (STV based)	Tillage operation	Water management	Soil water conservation	Tool/Farm Implements
Cereals						
Bajra	ICTP-8203	N : 40 kg/ha P : 20 kg/ha	Fall ploughing	In case of light soils 8-12 days interval. In case of heavy soils 12-15 days interval	Compartment bunding, Frequent intercultivation	M. B. plough, cultivator, Tractor drawn/ Bullock drawn implements
	ICAM-221					
Foxtail millet	HMT-100-1	N : 24 kg/ha P : 12 kg/ha K : 12 kg/ha				
Oil seeds						
Sunflower	KBSH-1	N : 28 kg/ha P : 40 kg/ha K : 28 kg/ha	Fall ploughing	In case of light soils 8-12 days interval. In case of heavy soils 12-15 days interval	Compartment bunding, Frequent intercultivation	M. B. plough, cultivator, Tractor drawn/ Bullock drawn implements
	DSH-1					
Niger	KBSH-NO-71	N : 16 kg/ha P : 32 kg/ha K : 16 kg/ha				

Live Stock

Species	Varieties breed species	Feeding management	Housing management	Health Management	Vaccination	Others
Bovine	Khillar, HFX, JRX, Murrah	Dry fodder, Green fodder, Concentrate feed	Free range and shed	Disease prevention, Vaccination methods	HS, BQ, FMD	Brucella
Ovine	Local, Yalaga	Grazing	Free range	Disease prevention, Vaccination methods	HS, ET, PPR, FMD	Blue tongue
Caprine	Local, Shirohi	Grazing	Free range	Disease prevention, Vaccination methods	HS, ET, PPR, FMD	-

Fishery

	Feeding Management	Pond Management
Summer	-	-
Winter	-	-
Rainy	-	-

KVK profile

KVK Bagalkot

(a) Brief

Location	Bagalkot
Year of Establishment	2005
Host Organization	University of Agricultural Sciences, Dharwad
Farm (ha)	22.10
Area of work	6 talukas (Badami, Bagalkot, Bilagi, Hunagund, Jamakhandi, Mudhol
Facilities available	SWTL, Basic Plant Disease Diagnostic and forecasting centre etc.,

(b) Staff position

The following posts are lying vacant in the KVK

Category	Number of Vacancy
Subject Matter Specialist	1
Total	1

(c) Detail of funds allocated to KVKs during XI Plan

Particulars	Rs. in Lakh					
	2007-08	2008-09	2009-10	2010-11	2011-12	TOTAL
Pay & Allowances	22.00	32.69	21.00	96.69	58.00	206.03
Traveling allowances	1.00	1.00	0.90	0.50	1.25	4.90
Contingencies						
Stationery etc	1.86	1.75	1.40	1.60	1.80	8.31
POL	1.20	0.75	0.85	1.00	1.20	5.00
Meals/refreshments etc	0.78	0.60	0.30	0.60	0.30	2.78
Training materials etc	0.72	0.50	0.40	0.35	0.20	2.72
FLDs	0.75	0.80	1.85	1.75	2.50	8.15
OFTs	0.36	0.30	0.50	0.80	1.00	2.46
Training of extension personnel	0.24	0.05	0.10	0.10	0.15	0.59
Maintenance of buildings	0.00	0.00	0.00	0.25	0.40	0.00
Extension activities	0.00	0.00	0.25	0.25	0.15	0.65
FFS	0.00	0.00	0.25	0.25	0.25	0.75
Library	0.09	0.05	0.10	0.05	0.05	0.39
Total	29.00	38.49	27.90	80.34	67.00	242.73

Non-recurring						
Civil works	0.00	0.00	0.00	0.00	0.00	18.36
Equipment/implements	5.00	0.00	3.50	5.00	0.00	8.50
Vehicle	0.00	0.00	0.00	0.00	0.00	0.00
Library	0.00	0.00	0.00	0.10	0.00	0.10
SWPTL	0.00	0.00	0.00	0.00	0.00	0.00
Administrative building revalidation	0.19	0.00	0.00	0.00	0.00	0.19
Farmers Hostel Revalidation	3.50	0.00	0.00	0.00	0.00	3.50
Total	8.69	0.00	3.50	2.60	15.86	30.65
Revolving fund	0.00	0.00	0.00	0.00	0.00	0.00
GRAND TOTAL	37.69	38.49	31.40	82.94	82.86	273.38

(d) **Details of Operational area / Villages : (From 2007-08 to 2011-12)**

Sl. No.	Taluk	Name of the village	Major crops & enterprises	Major problem identified	Identified Thrust areas
1	Badami	Lakkasakoppa	Maize	Low yielding hybrids, pest susceptible single cross hybrids	Variety popularization
		Jalageri	Maize	Low yield due to non ICM practice	ICM
		Narenur	Maize	Turcicum leaf blight in Maize	Variety popularization
		Hoolageri	Sunflower	Low yield due to pest and diseases	ICM
		Hebbal	Sunflower	Low yield	ICM
		Hirenasabi	Sunflower	Low yield	ICM
			Wheat	Rust, Low yield	Varietal evaluation
		Jalihah	Sunflower	Low yield	ICM
		Cholachagudda	Wheat	Rust, Low yield	Varietal evaluation
		Mustigeri	Groundnut	Low pod yield	ICM
		Mangalagudda	Groundnut	Low yield	ICM
		Maradi	Sesamum	Low yield	Variety popularization, ICM
		Adagal	Sesamum	Low yielding local varieties, Moisture constraint	Variety popularization
			Groundnut	Low yield, Pest incidence	ICM
			Sunflower	Low yield	ICM
			Tur	Low yield and wilt	Variety popularization
		Kataginhalli	Tur	Low yield and wilt	Variety popularization
			Chickpea	Local seeds, lack of seed treatment, low plant population and pod borer incidence	Integrated crop management
		Hosakote	Tur	Low yield and wilt	Variety popularization
		Konkanakoppa	Onion	Nutrient deficiency	INM
Hungaragi	Agroforestry	Bund stabilization	Agri-Silvi System		
Shirabadagi					
Kagalagomba	Banana	Nutritional disorder	INM		
Kerkalmatti	Banana	Nutritional disorder	INM		
	Maize	Low yield due to non ICM practice	ICM		

			Hand gloves	Injury to the palm	Drudgery reduction
			Sesamum	Low yield due to non ICM practice	ICM
			Maize	Low yield due to non ICM practice	ICM
			Maize	Imbalanced nutrient application	Integrated nutrient management
		Sulikeri	Banana	Nutritional disorder	INM
		Pattadakallu	Banana	Sigatoka	IDM
		Nagaral	Banana	Sigatoka	IDM
		Yaragoppa	Brinjal	Fruit and Shoot borer	IPM
		Katageri	Sheep	Poor body weight	Disease Management
		Hulikeri	Dairy, Sheep	Bund utilization	Soil and water conservation
2	Bagalkot	Bagalkot	Wheat	Rust, Low yield	Varietal evaluation
		Timmapur	Maize	Turcicum leaf blight in Maize	Variety popularization
		Kadiwala	Maize	Turcicum leaf blight in Maize	Variety popularization
		Benakatti	Maize	Imbalanced nutrient application	Integrated nutrient management
		Simikeri	Maize	Imbalanced nutrient application	Integrated nutrient management
		Shirur	Tur	Low yield and wilt	Variety popularization
		Muchakhandi	Sorghum	Low yield due to local seeds, Moisture stress & Shoot fly incidence	Abiotic and biotic stress management
			Onion	Low yield in onion	Variety popularization
			Onion	Weed incidence and labour scarcity	Integrated weed management
		Bevoor	Bajra + Pigeon pea	Monocropping leads to low yield, production risk	Cropping system
			Tur	Low yield and wilt in tur; Low yields in sorghum under late sowing	Variety popularization and variety assessment
		Hallur	Chickpea	Local seeds, lack of seed treatment, low plant population and pod borer incidence	Integrated crop management
		Jadramakunti	Groundnut	Low yield, Leaf minor	ICM
			Dairy, sheep	Low milk yield, fodder scarcity	Feed and fodder
		Bennur	Groundnut	Low pod yield	ICM
		Kadampur	Groundnut stripper	Labour problem, would to hands	Drudgery reduction and health
		Basarikatti	Groundnut	Local seeds, lack of seed treatment, micronutrient deficiency, shriveled seeds and low yield	Integrated crop management
		Yankanchi	Groundnut	Low yield due to non ICM practice	ICM
			Groundnut	Application of only major nutrients	Integrated crop management
			Sugarcane	Micronutrient deficiency and weed management	Integrated crop management
		Salagundi	Groundnut	Application of only major nutrients	Integrated crop management
			Dicoccum wheat	Low yielding local Dicoccum varieties	Varietal evaluation

		Bhagavati	Greengram	Low yield	Variety popularization
			Sorghum	Low yield due to local seeds, Moisture stress & Shoot fly incidence	Abiotic and biotic stress management
			Onion	Low yield in onion	Variety popularization
			Onion	Weed incidence and labour scarcity	Integrated weed management
		Holeyankanchi	Onion	Weed incidence and labour scarcity	Integrated weed management
		Sigikeri	Onion	Low yield in onion	Variety popularization
		Lokapur	Maize, Sunflower, Cotton	Problem of saline soils	Variety popularization
		Nainegali	Maize, Sugarcane, Redgram	Red gram pod borer	Pest management
		Mannikatti	Greengram	Powdery mildew defoliators	ICM
		Hiremalagavi	Greengram	Low yield	Varietal popularization
		Kiresur	Chickpea	Low yield due to non ICM practice	ICM
			Sunflower	Low yields due to powdery mildew	Variety popularization
			Groundnut	Local seeds, lack of seed treatment, micronutrient deficiency, shriveled seeds and low yield	Integrated crop management
			Groundnut	Application of only major nutrients	Integrated crop management
		Sikkeri	Groundnut	Application of only major nutrients	Integrated crop management
		Yadahalli	Sugarcane	Lower yield, Nutrient deficiency	INM
		Rampur	Sugarcane	Salinity	Varietal Evaluation
		Sorkoppa	Brinjal	Fruit and Shoot borer	IPM
			Onion	Keeping quality, yield	ICM
			Maize	Imbalanced nutrient application	Integrated nutrient management
			Groundnut	Local seeds, lack of seed treatment, micronutrient deficiency, shriveled seeds and low yield	Integrated crop management
		Hireshellikeri	Pomegranate	Bacterial blight	IDM
			Pomegranate	Fruit cracking	INM
			Pomegranate	Anthracnose	IDM
		Chikkashellikeri	Pomegranate	Fruit cracking	INM
		Kerakalmatti	Pomegranate	Anthracnose	IDM
			Pomegranate	Bacterial blight	IDM
		Kaladagi	Pomegranate	Bacterial blight	IDM
			Sapota	Poor quality, non attractive fruits	Organic production
			Maize, Sunflower, Cotton	Problem of saline soils	Variety popularization
Maize	Imbalanced nutrient application		Integrated nutrient management		
Dairy and	Bund utilization		Soil and Water		

			Sheep		conservation
		Ankalagi	Pomegranate	Fruit cracking	INM
		Udagatti	Pomegranate	Bacterial blight	IDM
			Sapota	Low productivity	INM
			Sapota	Poor quality, non attractive fruits	Organic production
			Dicoccum Wheat	Low yield	Variety popularization
			Dairy, sheep and goat farming	Low milk yield, delayed heat	Nutrition management
		Junnur	Dicoccum Wheat	Low yield	Variety popularization
			Dairy, sheep	Low milk yield, severe worm infestation ,poor body weight	Disease management
		Lakkasakoppa	Dicoccum Wheat	Low yield	Variety popularization
		Simikeri	Banana	Low bunch weight due to unproper fertilizer application	ICM
		Bevinammatti			
		Chikkasamshi	Banana	Sigatoka disease	IDM
		Bantanoor	Sapota	Poor quality, non attractive fruits	Organic production
		Tulasigeri	Sapota	Poor quality, non attractive fruits	Organic production
			Watermelon	Irregular fruit size	INM
			Dicoccum wheat	Low yielding local varieties	Varietal evaluation
			Dicoccum Wheat	Lack of awareness	Value chain management
		Bairamatti	Envirofit Choolha	Labour scarcity and cost	Drudgery reduction
		Murnal	Onion	Weed infestation in row crops and labour scarcity	Drudgery reduction
		Ingalagi	Dairy and Sheep	Bund utilization	Soil and Water conservation
			Dairy	Low milk yield, delayed heat	Nutrition Management
			Sugarcane	Lower yield, Nutrient deficiency	INM
		Mallapur	Maize	Imbalanced nutrient application	Integrated nutrient management
			Sunflower	Necrosis in sunflower	Disease Management
			Dairy	Low milk yield	Nutrition Management
			Dairy	Poor growth	Disease Management
			Dairy, sheep and goat	Fodder scarcity, lack of awareness about fodder varieties	Feed and fodder
		Anadinni	Dairy	Low milk yield	Nutrition Management
			Maize	Quality of grains	ICM
			Maize	Turcicum leaf blight in Maize	Variety popularization
			Onion	Low yield	Variety popularization
			Brinjal	Fruit and Shoot borer	Fruit and Shoot borer of Brinjal
		Gundanapalli	Dairy	Poor growth	Disease Management
3	Bilagi	Bilagi	Maize, Cotton, Sunflower	Problem of saline soils, Low yields in sunflower due to powdery mildew	Variety popularization
		Anagawadi	Sugarcane	Yellowing	INM
		Mannikeri	Maize	Chlorosis and less grain weight	Sulphur nutrition

			Maize, Sugarcane, Cotton	Problem of saline soils	Variety popularization
		Girisagar	Maize	Chlorosis and less grain weight	Sulphur nutrition
		Honnihal	Maize	Low yield and Pest incidence	ICM
			Sugarcane	Micronutrient deficiency and weed management	Integrated crop management
		Herkal	Maize	Quality of grains	ICM
		Tumbaramatti	Maize	Chlorosis and less grain weight	Sulphur nutrition
			Onion	Low quality bulb yield	ICM
		Badagi	Maize	Chlorosis and less grain weight	Sulphur nutrition
		Tolamatti	Sunflower	Low yield due to pest and diseases	ICM
		Siddapur	Sunflower	Low yield	ICM
		Teggi	Sunflower	Low yield	ICM
		Heggur	Banana	Nutritional disorder	INM
		Badagandi	Banana	Nutritional disorder	INM
		Janamatti	Sugarcane	Yellowing	INM
		Galagali	Sugarcane	Low cane yield	INM
		Kolur	Sugarcane	Low cane yield	INM
		Sunaga	Sugarcane	Yellowing	INM
			Maize, Sugarcane, Sunflower	Sugarcane root grub	Pest Management
			Chickpea	Local seeds, lack of seed treatment, low plant population and pod borer incidence	Integrated crop management
		Amalzeri, Baragi	Cotton	Low yield	Introduction of Bt Cotton
		Muttaladinni	Envirofit Choolha	Labour scarcity and cost	Drudgery reduction
4	Hunagund	Dammur	Maize	Turcicum leaf blight in Maize	Variety popularization
		Kodihal	Sorghum	Local seeds, lack of seed treatment and low plant population	Integrated crop management
			Chickpea	Local seeds, lack of seed treatment, low plant population and pod borer incidence	Integrated crop management
		Gorabal	Sorghum	Local seeds, lack of seed treatment and low plant population	Integrated crop management
			Chickpea	Local seeds, lack of seed treatment, low plant population and pod borer incidence	Integrated crop management
		Iddalagi	Chickpea	Local seeds, lack of seed treatment, low plant population and pod borer incidence	Integrated crop management
		Kamatagi	Sunflower	Chaffyness, lower test weight	INM
			Groundnut	Low yield due to micronutrient deficiency	Micronutrient management in Groundnut
			Dairy, sheep and goat	High feed cost, fodder scarcity	Feed and fodder
		Chittaragi	Bengalgram	Low productivity, pod borer, wilt	ICM
		Amingad	Bengalgram	Low productivity, pod borer, wilt	ICM
			Groundnut	Application of only major nutrients	Integrated crop management
		Timmapur	Cloth gloves	Injury to palms due to pricking	Drudgery reduction and

			(Bengalgram)		Health
		Aihole	Jowar	Low yields under late sowing	Variety assessment
			Bengalgram	Lower yield, Pest incidence	ICM
			Chickpea	Local seeds, lack of seed treatment, low plant population and pod borer incidence	Integrated crop management
			Sugarcane	Micronutrient deficiency and weed management	Integrated crop management
		Sigikeri	Groundnut	Local seeds, lack of seed treatment, micronutrient deficiency, shriveled seeds and low yield	Integrated crop management
		Kalligudda	Bengalgram	Lower yield, Pest incidence	ICM
			Chickpea	Low yield due to non ICM practice	ICM
			Sorghum	Low yield due to local seeds, Moisture stress & Shoot fly incidence	Abiotic and biotic stress management
			Sorghum	Local seeds, lack of seed treatment, low plant population and	Integrated crop management
			Chickpea	Local seeds, lack of seed treatment, low plant population and pod borer incidence	Integrated crop management
		Kelur	Cotton	Pest incidence	ICM
		Bannihatti	Chickpea	Local seeds, lack of seed treatment, low plant population and pod borer incidence	Integrated crop management
		Basarikatti	Onion	Weed infestation in row crops and labour scarcity	Drudgery reduction
			Onion	Low yield in onion	Variety popularization
			Onion	Weed incidence and labour scarcity	Integrated weed management
5	Jamakhandi	Madhurkhandi	Turmeric	Low yield, pest and disease incidence	ICM
			Turmeric	MONocropping	Intercropping systems
			Sugarcane	Yellowing, wooly aphid	ICM
		Jagadal	Sugarcane, Turmaric, Maize,	Turmeric Rhizome borer	pest management
		Navalagi	Sugarcane, Turmaric, Maize,	Turmeric Rhizome borer	pest management
		Terdal	Soybean	Low yield, long duration	Varietal evaluation
		Hanagandi	Soybean	Low yield, long duration	Varietal evaluation
		Alabal	Dairy	Mastitis	Disease Management
6	Mudhol	Mudhol	Wheat	Low yields due to rust incidence	Variety popularization
		Malali	Wheat	Low yields due to rust incidence	Variety popularization
		Mugalkhod	Jowar, Wheat	Low yields under late sowing in Jowar, Low yields in rust in wheat	Variety assessment and Variety popularization
		Belagali	Jowar	Low yields under late sowing	Variety assessment
		Metagudda	Onion	Lower yield and bulb quality	Varietal popularization

	Dhavaleshwar	Wheat	Low yield	Variety popularization
	Sorgavi	Wheat	Low yield	Variety popularization
	Nagaral	Soybean	Use of old varieties	Varietal evaluation
	Kasabajambagi	Sunflower	Low yield	ICM
	Lokapur	Sunflower	Low yield	ICM
	Mareguddi	Sunflower	Low yields due to powdery mildew	Variety popularization
	Hebbal	Pomegranate	Fruit cracking	INM
		Pomegranate	Bacterial Blight	IDM
		Dairy	Fodder scarcity	Feed and Fodder
		Sugarcane	Lower yield, Nutrient deficiency	INM
		Wheat	Low yields due to rust incidence	Variety popularization
	Dadanatti	Sugarcane	Low yield due to non ICM practice	ICM
		Sugarcane	Micronutrient deficiency and weed management	Integrated crop management
		Maize	Low yield due to non ICM practice	ICM
	Yantaganahalli	Pomegranate	Bacterial Blight	IDM
	Shirol	Dicoccum	Use of low yielding local dicoccum wheat varieties	Varietal evaluation
		Wheat		
		Dairy	Fodder scarcity	Feed and Fodder
		Turmeric	Rhizome borer	IPM
		Dicoccum	Lack of awareness	Value chain management
		Wheat		
	Mantoor	Dicoccum	Use of low yielding local dicoccum wheat varieties	Varietal evaluation
		Wheat		
		Dicoccum	Lack of awareness	Value chain management
	Mallapur	Wheat		
		Dicoccum	Use of low yielding local dicoccum wheat varieties	Varietal evaluation
		Wheat	Lack of awareness	Value chain management
	Kulali	Wheat	Low yields due to rust incidence	Variety popularization
		Turmeric	Low quality rhizome yield	ICM
		Turmeric	Rhizome borer	IPM
		Onion	Weed infestation in row crops and labour scarcity	Drudgery reduction
	Bavalatti	Onion	Keeping quality, yield	ICM
	Machakanur	Sugarcane + Vegetables	Monocropping leads to lower income	Cropping system
	Baragi	Sugarcane + Vegetables	Monocropping leads to lower income	Cropping system
		Bt Cotton	Non adoption of Bt cotton, Sucking pests & Bollworms	ICM
	Kishori	Cotton	Bollworm, Sucking pests	ICM in Bt Cotton
	Petlur	Agroforestry	Fodder scarcity	Silvipasture system
	Chichakhandi	Agroforestry	Fodder scarcity	Silvipasture system

(e) Impact and Salient Achievements:

1. Promotion of high yielding varieties in groundnut (GPBD-4), Wheat (DDK-1025, 1029), Bengalgram (JG-11) and Sesamum (DS-1, DSS-9)
2. ICM technology in Sugarcane, Maize and Bengalgram
3. Promotion of new hybrids in Maize (Arjun) and Sunflower (KBSH-53)
4. Empowerment of rural livelihood through IFS approach (86 families were intensively developed)
5. Dissemination of vermicompost technology for rural livelihood (6 families were focal point in this category)
6. Spread of Soil and water technology in Hunagund, Badami and Bagalkot talukas
7. IPM technology in Pomegranate for production of quality fruits
8. Rapid crop survey to deliver technology at the farmer door step during peak crop growth stages

(f) Outreach

Year	No. of village in Distt.	No. of villages covered		Village coverage (through)			
		Extensive	Intensive	literature	Training	Extension activity	KMA
2007-08	623	64	12	163	16	946	-
2008-09	623	101	36	210	42	828	-
2009-10	623	109	44	235	53	185	-
2010-11	623	115	36	260	55	1413	418
2011-12	623	133	57	301	58	850	2143

(g) Activities

Areas	Activities performed		Results	Additional activity	Add. Employment (man days)	Additional income	Constraints
	Type of activity	No. of activity					
Agriculture, Horticulture, Livestock and Others	OFT: 43 FLD: 112	213 1208	The technology under demonstration performed better than local practice	Trainings, Field visits and field days	-	The income of the farmer was raised on an average of Rs. 2,000/- in Sorghum to Rs. 30,000/- in case of Sugarcane and Groundnut	Timely availability of inputs such as bio-fertilizers, seed treatment chemical and new chemicals (Nutrients and pesticides)

**h) Seed Production Programme
(Seed Village Programme, No. of farmers benefitted, Case Study)**

S.N.	Year	Village	Crop	Variety	Beneficiary	Total Beneficiary	Horizontal Spread (ha.)
1.	2007-08	-	-	-	-	-	-
2.	2008-09	-	-	-	-	-	-
3.	2009-10 (Rabi)	Ingalagi	Sunflower	KBSH-53 (Hybrid)	Shri. Shivalingappa K. Basakali	4	125 ha
					Shri. Kalappa Kuduri		
					Shri. Balavanthappa Kamakeri		
		Kulali			Shri. Parasappa G. Belagavi		
4.	2010-11 (Kharif)	Terdal	Soybean	JSS- 335	Shri. S. B. Hadannavar Shri. D. N. Kagi	5	100 ha
		Hanagandi	Soybean	JSS- 335	Shri. R. V. Hanagandi Shri. G. V. Hanagandi		
		Hunagund	Greengram	Shining mung	Shri. Mallanna Nagaral		
	2010-11 (Rabi)	Hoskote	Wheat	UAS 415	Shri. Ramachandra Naik Shri. Krishnagouda Timmapur	12	50 ha
			Sunflower	KBSH-53 (Hybrid)	Shri. Shashikanth Salimath Shri. Avvappa Naik		
		Narenur	Sunflower	KBSH-53 (Hybrid)	Shri. Sangayya Chickmath		500 ha
		Choudapur	Sorghum	M 35-1	Shri. H. S. Ganti		
		Bodanayakanadinni			Shri. Hanumanth S. G.		
		Narenur	Bengalgram	A-1	Shri. Basavaraj Kuri		25 ha
		Hoskote			Shri. Tulajappa Naik		
					Shri. Ashok Naik Shri. H. K. Purushakari		
		Nainegali	Bengalgram	JG-11	Shri. M. R. Angadi		100 ha

5.	2011-12 (Kharif)	Yankanchi	Soybean	JSS- 335	Shri. Hanumanth Ganjihah Shri. Tippanna Ganjihah	3	25 ha
		Choudapur	Maize	Arjun (Hybrid)	Shri. H. S. Ganti		150 ha
	2011-12 (Rabi)	Hoskote	Sorghum	M 35-1	Shri. Ashok Naik	11	250 ha
		Bevoor			Shri. G. Bairmatti		
		Hoskote	Wheat	DWR-162	Shri. Avvappa Naik		100 ha
		Hunagund			Shri. Hanumanth Dandannavar		
					Shri. Venkanagouda Venkannavar		
		Bevoor	Bengalgram	JG-11	Shri. G. Bairmatti		40 ha
	Choudapur	Shri. H. S. Ganti					
	Pattadakal	Groundnut	GPBD-1	Shri. Sadashivappa Garasangi	50 ha		
	Shri. Sangayya M. Hiremath						
	Shri. Panchayya Hiremath						
	Shri. Basayya K. Pujar						

(i) Seed & Planting material production at KVK Farm (Year-wise) during XI Plan

Year	Seed produced (q)	Type of seed	Planting materials (no.)	Type of planting materials	No. of farmers benefitted	Revenue generated (Rs.) Seed + PM
2007-08	-	-	1000	Forest species	-	4,000
2008-09	28.24	-	-	-	-	26,846
2009-10	77.64	B/S, T/L, F/S & Commercial	1000	Drumstick seedlings	-	2,61,700 (Seed) +10,000 (PM)
2010-11	193.8	C/S, B/S, F/S	-	-	-	7,45,900
2011-12	222.52	B/S, N/S, T/L, F/S	4000	Hybrid napier and Guinea	-	8,93,184 (Seed) + 2,000 (PM)

(j) Extension Activities conducted (during (XI Plan)

Activity	No
Field Day	25
Kisan Mela	16
Kisan Ghosthi	0
Exhibition	15
Film Show	14
Method Demonstrations	19
Farmers Seminar	11
Workshop	1
Group meetings	23
Lectures delivered as resource persons	295
Newspaper coverage	75
Radio talks	15
TV talks	50
Popular articles	41
Extension Literature	33
Advisory Services	1666
Scientific visit to farmers field	549
Farmers visit to KVK	1311
Diagnostic visits	47
Exposure visits	5
Ex-trainees Sammelan	0
Soil health Camp	1
Animal Health Camp	9
Farm Science Club Conveners meet	0
Self Help Group Conveners meetings	1
Mahila Mandals Conveners meetings	0

(k) Skill Identified and it's Development through HRD

S. No.	Name of Skill	No. of persons trained	No. of persons self-employed
1.	Composting of agriculture wastes	64	8
2.	Integrated Farming System	86	86
3.	Seed production	265	34
4.	Scientific dairy management	997	91
5.	Women empowerment (Pickle making, Bag making, Embroidery, Tailoring etc.,)	130	7

**(l) Training programs conducted for farmers, farm women, rural youth & extension personnel
(During XI Plan)**

S. No.	Aspect	Trainee Category	No. of programmes	Beneficiaries
1.	Crop production	Farmers/ Farm women, Rural youth, Extension personnel	146	4976
2.	Horticulture		24	989
3.	Livestock		36	1033
4.	Fisheries		0	0
5.	Home science		46	1943
6.	Agriculture engineering	Farmers/ Farm women, Extension personnel	2	51
7.	Agro-forestry		23	812
8.	Entomology	Farmers/ Farm women, Rural youth, Extension personnel	25	906
9.	Plant Pathology		28	1049
10.	Soil fertility & management		62	1250
11.	Others		17	581

(m) Women empowerment (Income Generation)

S. No.	Thematic Area	Year	Activities	Result	Constraints
1.	IG activities	2009-10	Tailoring, Bag making and preparation of other household utility products	Trainees able to absorb the skill at the end of the training	Initial investment, Infrastructure and marketing
2.	IG activities	2010-11	Preparation of bakery and allied food production		
3.	IG activities	2011-12	Modern dairy techniques	Some of the trainees started their own dairy farms and few of them working as Artificial insemination workers	Initial investment and marketing

(n) Custom hiring service given by KVK - Custom hiring service yet to be started.

(p) Success stories (two)

Title: Vermicomposting

Background:

Vermicomposting is a process where the half decomposed plant and animal residues are converted into a “nutrient rich, well balanced proportion of nutrients contained organic manure” through the biological machinery called “ Earth Worms”. The product thus originated is termed as Vermicompost.

Interventions:

Vermicompost technology has spread to whole of Bagalkot district through technology interventions like trainings and demonstrations by Krishi Vigyan Kendra. Nearly 838 farmers and farm women have undergone training out of them 75 per cent of the farmers have adopted Vermicomposting technology. Among them, two successful farmers have adopted Vermicomposting and are entirely dependent on it for their livelihood.

Impact :

Sri. Veeranna Tolamatti aged 25 years from Sunag village of Bagalkot district having a dry land of five acres with the guidance of Krishi Vigyan Kendra and EEU started Vermicomposting in 2001 with seven pits now he has increased to 15 pits. He uses 50 per cent of the manure for his own field. He grows Sugarcane + Groundnut, Bengalgram. Vegetables: Clusterbean, Bhendi, Tomato, Brinjal, Chilli and cucumber. Horticulture crop: Banana His mother sells the vegetables grown in the local market. He sells 30-35 tons of Vermicompost at the rate of Rs.3000 / ton and worms for Rs. 250 / kg. Till now, he has sold worms to 164 members. Recently he was awarded the state level “**Krishi Pandit Award**” for Organic farming.

Title: Empowerment of women through pickle making

Background:

“Where there is a will there is a way” with this proverb Mrs. Shobha Ghanti, a widower started her enterprise at the age of 44, educated upto X standard and having two daughters. She used to prepare variety of food products. Seeing her keen interest District Industrial Centre staff encouraged her to participate in exhibition She took training at CEDOK, Dharwad regarding self entrepreneurship, In the year 2002, she started her own enterprise. she took 2 lakh rupees loan from State Bank of India and started “Sri Shanki Home Industries”. Under this project she started with food products like Roti, chutney powder, turmeric powder, papad, vermicelli and hoolige. and ready made garments. Initially she started preparing pickles with 5000 lime and sold to the friends and relatives only. She started “Dhaneshwari Shtree Shakti” group.

Interventions:

Mrs. Shobha Ghanti is invited as resource person in Krishi Vigyan Kendra to train the women. She prepares 30-40 varieties of pickle namely lime pickles, amla pickle, garlic pickle, zinger pickle, chilli pickle, mixed vegetable pickle, bittergourd pickles, Alovera pickle and she sales for Rs. 200-300 / kg. She also prepares chilli powder (Rs. 200/kg) turmeric powder (Rs. 320/kg), masala khara (Rs. 250/kg), vermicilli (Rs. 30/kg), Jowar and bajra roti (Rs. 3/piece) and Tamarind chigali for Rs. 1/piece which is very profitable to her. She sales these products during the exhibitions in Bagalkot, Kudalsangam, Badami, Pattadakallu, Hubli, Dharwad, Bangalore, Mysore, Dhavanagere, Bijapur, Raichur and Shimoga. In 2003, she has been awarded with state award from women and child welfare department.

She was encouraged to participate in “Krishi Mela” organized at UAS, Dharwad and ‘SARS’ Exhibition organized for 10 days at Hubli by Krishi Vigyan Kendra. She is ready to participate in any exhibition to sale her products.

Impact:

Horizontal spread : She is giving trainings as resource person in BEC-STEP, Bagalkot and KVK.

Economic gains:

Every year she participate in 8-10 exhibition. She earns minimum of Rs. 5,000/- in small exhibition and maximum of Rs. 75,000/- in bigger at longer duration exhibitions.

(q) List of Innovators in various thematic areas

S.N.	Name of Farmers	Address for communication	Specialization	Contact No.
1.	Shri. Veeranna Tolamatti	Post : Sunag, Tq. Bilagi, Dt. Bagalkot	Integrated Farming System	9449534568
2.	Shri. Shivappa Katarki	Post: KDJambagi, Tq: Mudhol Dt:Bagalkot	Organic Farming	-
3.	Shri. Mallanna S. Nagaral	Post:Hunagund, Tq: Bagalkot Dt: Bagalkot	Dryland agriculture, soil and water conservation	9448307656
4.	Shri. Muttanna Bairmatti	Post: Bevoor, Tq: Bagalkot Dt: Bagalkot	Cotton, Sugacane, Tur, Sunflower	9980665243
5.	Shri. Shivappa Hadimani	Post: Kataginahalli, Tq. Badami Dt: Bagalkot	Integrated Farming System	9448956384
6.	Shri. Dundeppa Bevoor	Post: Mallapur, Tq: Bagalkot Dt: Bagalkot	Azolla unit, having 5 cattles, 5 buffaloes	9743872047
7.	Dr. Shivappa Amateppanavar	Post: Benakatti, Tq: Bagalkot Dt: Bagalkot	Soil and water conservation	-
8.	Shri. H.R. Patil	Post: Benakatti, Tq: Bagalkot Dt: Bagalkot	Dryland agriculture	9322605056
9.	Shri. Iranna C. Konappanavar	Post: Dhavaleshwar, Tq. Bilagi Dt: Bagalkot	Vegetable cultivation	9902896935
10.	Shri. Prakash N. Kebbani	Post: Shiraguppi, Tq: Jamakhandi Dt: Bagalkot	Integrated Farming System	9343503711
11.	Shri. Chandugouda P. Gaddigoudar	Post: Hebbal, Tq. Badami Dt: Bagalkot	Agriculture crops	9448245711
12.	Shri. Mahantesh Jambagi	Post: Ganjal, Tq: Hungund Dt: Bagalkot	Crop diversification and agri-horti system	9739822311
13.	Shri. Tippanna Ganjal	Post: Holeyankanchi Tq. Bagalkot Dt: Bagalkot	Agri-horticulture	9964332156
14.	Shri. Shrishail Ingalagi	Post: Mallapur, Near Indi College Tq. Bagalkot Dt: Bagalkot	Sugarcane	9663355632
15.	Shri. Bhimanna Walikar	Post: Yadahalli, Tq. Bagalkot Dt: Bagalkot	Wider row spacing in sugarcane and trash mulching	9739743263
16.	Shri. Gurunath Togalagatti	Post: Ingalagi, Tq: Bagalkot Dt: Bagalkot	Sericulture and cropping	9731884334
17.	Shri. Mallikarjun Kudaleppa Kama	Post: Chitaragi, Tq: Hungund Dt: Bagalkot	Grapes	-

18.	Shri. Pandappa Petlur	Post: Nagara, Tq: Mudhol Dt: Bagalkot	Vermicompost, soybean, turmeric, sugarcane	9886624524
19.	Shri. Ningappa Hanumappa Esaraddi	Post: Baragi, Tq: Mudhol Dt: Bagalkot	Sugarcane, Bt cotton	9886070118
20.	Shri. Panchaxirayya Advevyya Metad	Post: Baragi, Tq: Mudhol Dt: Bagalkot	Sugarcane, Bt cotton, maize, groundnut, sunflower	9880298116
21.	Shri. Gurappa Mallappa Teli	Post: Vajramatti, Tq. Mudhol Dt: Bagalkot	Sugarcane intercropping, onion	9741719976
22.	Shri. Siddappa Jangannur	Post: Muchaknur, Tq: Mudhol Dt: Bagalkot	Maize, sugarcane	9945536456
23.	Smt. Shantabai Venkappa Surmanji	Post: Markatti, Tq: Mudhol Dt: Bagalkot	Sugarcane, soybean, cotton	9972565215
24.	Shri. Gangappa Belgavi	Post: Kulali, Tq: Mudhol Dt: Bagalkot	Turmeric, Maize, Sunflower, IFS	9880404783
25.	Shri. Basavaraj Walikar	Post: Bevoor, Tq: Bagalkot Dt: Bagalkot	Tur, Dryland agriculture	9972365525
26.	Shri. Shankar Jangannavar	Post: Madhurkhandi Tq: Jamakhandi Dt: Bagalkot	Organic farming	9986501849
27.	Shri. P. B. Jevoor	Post: Bevinmatti Tq: Bagalkot Dt: Bagalkot	Maize, Sunflower, Bajra	9448804745
28.	Shri. Nandu Katarki	Post: Kaladagi, Tq: Bagalkot Dt: Bagalkot	Cotton, Sugarcane, Onion	9972159994
29.	Shri. Aravind Budni	Post: Chinchakandi, Tq. Mudhol Dt: Bagalkot	Having 10 murrha buffaloes	9448179544
30.	Shri. P.M. Hiremath	Post: Yadahalli, Tq: Bilagi Dt: Bagalkot	Having 10 Khillar cattle, 5 Murrha Buffloes	9980674040
31.	Shri. S.M. Garasangi	Post: Pattadaka, Tq: Badami Dt: Bagalkot	5 jersy cows, 5 murrha buffloes	9611655921
32.	Shri. Rajesh B. Lingadal	Post: Niralkeri, Tq: Bagalkot Dt: Bagalkot	Having 5 HF cow, 5 JR cow	9740336368
33.	Smt. Kasturi Sonnad	Post: Bantnur, Tq.: Bagalkot Dt: Bagalkot	Organic Farming	9448831309
34.	Smt. Vijaylaxmi Ningappanavar	Post: Gulagaljambgi, Tq. Mudhol Dt : Bagalkot	Home based enterprises	-
35.	Smt. Annapurna Patil	Post: Badaagandi, Tq: Sunag Dt: Bagalkot	Organic Farming	9880982424

(r) Case study (Two)

Title: Azolla –An alternative feed and Profitable Livestock farming

Background:

Dairying is the main subsidiary occupation to agriculture in Bagalkot district. But there are several constraints like feed cost, Problems of conception, low milk yield hindering the profit of dairy farming. KVK has taken up several frontline demonstrations and trainings on nutrition management aspect of dairy farming, especially concentrated on use of unconventional feed sources like Azolla. In this regard KVK conducted various training programmes and demonstrations on cultivation and feeding of Azolla. An unemployed youth graduate Mr. Anil Lagaloti of Mallapur village Bagalkot (Dist) has different livestock components like buffaloes, cows and goats in addition to sugarcane and grape crops. But he was facing problems like Infertility and low production and in this regard he has consulted KVK for guidance. He also attended the training programme on Azolla feeding and cultivation which was organized by KVK. After collecting all the required information he started cultivating azolla. Initially he started with one unit (Pit method by using plastic sheet), later on the units have been increased to five and daily he used to take 10 kgs of azolla and started feeding azolla to animals in consultation with KVK. Although in the beginning he faced problems like poor growth, reddening, reluctance of animals to eat etc., Now he is getting good quality azolla and animals are also relishing azolla.

Interventions:

Process: KVK conducted several training programmes on Azolla cultivation and feeding technologies in collaboration with Animal husbandry department in addition to various health and Infertility camps.

Technology: After introducing Azolla feeding in his farm, he used to get high milk yield and there was significant improvement in the health condition of animals. Animals having poor conception rate and having irregular heat cycles, upon feeding with Azolla shown regular heat cycles and good conception rate. Even goats which are very weak and irregularly cycling become healthy and regularly kidding after feeding Azolla. Neighbouring farmers who were visited his farm started to grow and feeding azolla to their animals. Mr. Anil has now increased the number of animals by adding five more high yielding buffaloes and getting good returns from his dairy with Economic feed cost (The production cost of Azolla is only 0.50 Rs/Kg). Presently he is selling milk to private parties at more competitive price and saving 10-15 % of feed cost and an increase of up to 20% milk yield. Now he has become model dairy farmer and many farmers are coming forward to establish dairy farms in surrounding villages.

Impact:

Horizontal Spread: More than 200 farmers of Bagalkot have started cultivation of Azolla after attending several training programmes, receiving messages through SMS, consultancy from KVK over a period of one year.

Economic Gain: Farmers are able to get higher milk yield with low feed cost and saving almost 10-15 % of total feed cost in addition to successful conception rates. The farmers are feeding Azolla to All livestock including poultry. and getting good returns with respect to good quality milk, meat and egg.

Title: Sunflower hybrid seed production for Quality and Profit

Background

The availability of quality seed of improved varieties/hybrids of crops is a common problem in rural areas. The farmers have a general tendency towards adoption of new and improved varieties, but the availability of genuine seed material of improved varieties/hybrids at village level is a major problem faced by majority of the farmers. Especially, in case of sunflower, the market is dominated by private hybrids which are though high yielding but priced high. Some of the public hybrids though have performance as good as private hybrids seed availability is a problem. Keeping these points in view, Krishi Vigyan Kendra, Bagalkot motivated Seed production of Sunflower through farmers. One of the farmers, Mr. Gangappa Belgavi of Kulali village, Mudhol taluk was having 25 acres of land and was cultivating sugarcane, maize and sunflower for commercial sale. His economic returns for an acre of cultivation were Rs. 8000 to 10,000 per acre. He was motivated to take up sunflower hybrid seed production during Rabi-summer 2009-10.

Interventions

During Kharif 2009-10, KVK supplied the parental seeds (both male and female) of powdery mildew tolerant sunflower hybrid KBSH 53 released by University of Agricultural Sciences, Bangalore. Both the parental seed of hybrid were procured from UAS, Bangalore and farmer was given with 1.5 kg of female seed and 0.5 kg of male seed. The seed production programme was registered with Karnataka State Seed Certification Agency, Bagalkot. The whole programme was monitored by KVK scientists. The seed production programme was undertaken on an area of 1 acre.

Farmer was given with technical guidance as to how to plant parental seed on a staggered basis for getting synchrony during flowering, removing off type plants, pollination, harvesting, drying and keeping male and female harvested seed separately. He has produced four quintal of hybrid seed in one acre in addition to 1 q of male seeds. The seed was brought to the KVK for processing, grading and bagging. The tag was obtained with KSSCA and made into packets of 2Kg. The same was sold to the farmers in the ensuing season to the farmers of the Bagalkot district. The seed production was continued in the next season.

Impact:

Economic gains: The farmer had earned Rs.7000/qt. of hybrid seed produced as against Rs.2500/qt. of marketable sunflower and additional Rs. 2500/qt. for selling male seed. In a single season, he got Rs. 28,000/- from hybrid seeds and 2500/- from selling of produce harvested from male plants. Hence, he got 22,500/- additional income as against Rs. 8000/- in commercial sunflower cultivation.

Horizontal spread: The hybrid seed produced was distributed to around 200 farmers all over the district.

1. Quality seed was distributed to the interested sunflower growers at a reasonable price (Rs. 200/Kg seed) as against high price(Rs. 400/- per Kg seed) of private company hybrids
2. Looking at the profit earned by taking up hybrid seed production, the fellow farmers opted for hybrid seed production as against commercial cultivation in the year 2010-11.

(s) Feedback

Crop/ Enterprise	Farmers to KVK	KVK to Research
Sugarcane	Striga infestation	The practices mentioned in the package of practice are long durative one. Hence, farmers demanding instant solution for management of Striga through herbicides
Groundnut	Low yield due to current varieties	Since a couple of years farmers are expressing the current varieties of groundnut were low yielding even under ICM practices. Hence, farmers demanding alternate high yielding variety/s to the existing one
Maize	Seed industry is dominated by private hybrids	The private hybrids are relatively costlier when compared to public sector hybrids but productive. Farmers are demanding high yielding public sector hybrids in place of private hybrids
Bajra	The existing public sector varieties of bajra are under cultivation since a decade and this gap is occupied by private sector varieties	Farmers are demanding high yielding public sector hybrids in place of private hybrids
Bengalgram	Incidence of wilt and production of chickpea in most of the years is lucrative under dry land situation	To combat wilt incidence and to make chickpea cultivation viable under harsh condition its need to develop a package in a intensive and integrated way
Greengram	Difficulty in management of yellow vein mosaic virus (Yellowing disease)	The currently recommended insecticides need to be further evaluated in disease hot spot area
Pomegranate	It is difficult to manage Bacterial blight, Anthracnose disease and wilt complex with current recommended practice	The further research is needed on integrated methods to manage disease complex in pomegranate
Livestock	It is very difficult to control tick infestation in livestock inspite of use of various external applications	Effective control measures have to be developed for control of ticks infestation which includes hygienic measures as well as effective external applicants
Poultry	Ranikhet disease problem in backyard poultry	Need to control ranikhet disease by use of new Effective vaccines which will be economic and easy to administer

(t) SWOT analysis of the KVK

Strength	Weakness
Sound technical backup from UAS, Dharwad and state line departments	Insufficient grants for regular labour engagement
Favourable climatic and soil conditions for successful cultivation of major crops, fruits and vegetables in the district	Lack of field Assistant/s and skilled labours required for successful implementation KVK programmes on the KVK farm
Well irrigation facility in the district	Insufficient number of Staff quarters for supporting staff and separate quarters for PC
Well known as horticulture district	Separate grants for medical / educational purpose is required
12 sugar factories	40% area of the district is under unerratic rainfall situation
Technically competitive teaching and supporting staff	Technical Assistant to PC for compiling reports time to time
Scope for diversified agriculture	
Scope for seed production during post rainy season	
Scope for promoting dryland agriculture technologies	

Opportunities	Threats
KVK is a platform for source of technology for farming community at finger tips	Labour scarcity
Scope for diversifying area under horticultural crops and establishment of processing industries	Declining factor productivity and rise in cost of cultivation of major crops
Favourable conditions for establishing linkage between farm producer and processors	Occasional occurrence of flood and endemic draught situation
Scope for value addition of agri / horticultural produce	Variation in pay scale between State and Central scale for supporting staff
Immense scope for mixed farming / multiple cropping with higher income employment generation	No mobility for farmers attending training and for quarters residents
Scope for establishment perennial seedlings nurseries	
Ample opportunity for bridging yield gap between average yield, attainable yield and FLD yield	

(w) Priorities recommended in the XII plan

- a. Centre for excellence in Seed production
- b. Integrated Farming System for empowerment of rural livelihood
- c. Establishment of demonstration units as per the technological needs of the district on the KVK premises
- d. Promotion of production technology in sugarcane suiting to mechanical harvesting
- e. Promotion of horticultural nurseries with special reference to disease free pomegranate seedlings
- f. Production and promotion of technological products such as Biofertilizers, Biopesticides, etc.
- g. Dissemination of technology for production and supply of organic products.