UNIVERSITY OF AGRICULTURAL SCIENCES, DHARWAD

37th Scientific Advisory Committee Meeting
(Date: 30.07.2013)

Action taken for 36th SAC meeting
(Date: 02.03.2013)

Progress Report
(04.03.2013 to 29.07.2013)

Action Plan
(01.04.2013 to 31.03.2014)

Krishi Vigyan Kendra
Hanumanamatti – 581 115
Tq: Ranebennur
Dist. Haveri
Karnataka State

INDEX

AGENDA NOTES

Agenda Item No. 01

Chairman's Opening Remarks about KVK

a) Establishment details

Sl. No	Particulars	Details
01	Name of the KVK	**Krishi Vigyan Kendra, Hanumanamatti**
02	Postal address of the KVK	**Krishi Vigyan Kendra** **Hanumanamatti - 581115** Ranebennur Taluk, Haveri District Karnataka State
03	Telephone number/Fax/email and Web site address of the KVK	Ph: 08373-253524 Fax: 08373-253524 Email: kvk_haveri@rediffmail.com www.kvkhaveri.org
04	Name of the Host Organization	University of Agricultural Sciences, Dharwad
05	Postal address of the Host Organization	University of Agricultural Sciences Krishi Nagar Dharwad - 05
06	Telephone number/Fax/email and Web site address of Host Organization	0836- 2447783 91-836-2745276 vc_uasd@rediffmail.com www.uasd.edu
07	Sanction Order Details	1976
08	Name of the Programme Coordinator	Mr. D.S. Mallikarjunappa Gowda
09	Total land area with the KVK in ha.	20

b) Mandates

The overall mandate of the KVK is to develop and disseminate location specific technological modules at district level through Technology Assessment, Refinement and Demonstration and to act as Knowledge and Resource Centre for agriculture and allied activities. The specific activities to carry out, the mandates are:

- Conducting on-farm testing to identify the location specificity of agricultural technologies under various farming systems
- Organizing frontline demonstrations to establish production potential of various crops and enterprises on the farmers' fields
- Organizing need based training of farmers to update their knowledge and skills in modern agricultural technologies related to technology assessment, refinement and demonstration, and training of extension personnel to orient them in the frontier areas of technology development.
- Creating awareness about improved technologies to larger masses through appropriate extension programmes
- Production and supply of good quality seeds and planting materials, livestock, poultry and fisheries breeds and products and various bio-products to the farming community.
- Work as resource and knowledge centre of agricultural technology for supporting initiatives of public, private and voluntary sector for improving the agricultural economy of the district.

c) Staff details

Sl. No	Sanctioned post	Name of the incumbent	Discipline	Existing Pay band	Grade Pay	Date of joining	Permanent
1.	Programme Coordinator	D.S.M. Gowda	Ag. Engg.	37400-61000	9000	09.06.11	Permanent
2.	Subject Matter Specialist	S.A. Ashtaputre	Plant Pathology	37400-61000	9000	11.06.11	Permanent
3.	Subject Matter Specialist	T.M. Soumya	Agronomy	15600-39100	6000	05.12.08	Permanent
4.	Subject Matter Specialist	G. R. Rajakumar	Soil Science	15600-39100	6000	12.07.11	Permanent
5.	Subject Matter Specialist	S.Y. Mukartal	Animal Science	15600-39100	6000	06.07.09	Permanent
6.	Subject Matter Specialist	Geeta S. Tamgale	Home Science	15600-39100	6000	01.07.09	Permanent
7.	Subject Matter Specialist	Kaveri Biradar	Plant Breeding	15600-39100	6000	05.09.12	Permanent
8.	Programme Assistant	Mallikarjun A. G.	Soil Science	9300-34800	4200	26.02.09	Permanent
9.	Computer Programmer	Rekha K.N.	Computer programmer	9300-34800	4200	12.11.08	Permanent
10.	Farm Manager	Sairabanu M.	Farm Manager	9300-34800	4200	02.07.09	Permanent
11.	Accountant	S.K.Hanni	Accountant	20000-36300	-	04.07.11	Permanent
12.	Stenographer	Saroja B.T.	Typist	16000-29600	-	06.11.09	Permanent
13.	Driver 1	Mahesh L.M.	Dirver (Jeep)	11600-21000	-	12.07.06	Permanent
14.	Driver 2	P.C. Kunbevin	Driver (Tractor)	11600-21000	-	07.06.98	Permanent
15.	Supporting staff 1	C. V. Nelogal	Office Attendent	10400-16400	-	02.11.98	Permanent
16.	Supporting staff 2	K. B. Belakeri	Field Attendent	10400-16400	-	01.07.02	Permanent

Agenda Item No. 02

Constitution of SAC and self introduction by SAC members and invitees

The following is the constitution of Scientific Advisory Committee Meeting

Sl. No.	Names of The SAC president, members, member secretary and the special invitees	Designation
1.	**Vice Chancellor,** UAS, Dharwad and President, SAC committee	**President**
2.	**Zonal Project Director,** Zone-8, ICAR, Bangalore	**Member**
3.	**Director of Extension,** UAS Dharwad	**Member**
4.	**Associate Director of Extension,** UAS Dharwad	**Member**
5.	**Associate Director of Research,** UAS Dharwad	**Member**
6.	**Dean (Agri College) and Head of the Campus,** Hanumanamatti	**Member**
7.	**Chief Executive Officer and Project Director,** ATMA Project, ZP Haveri	**Member**
8.	**Joint Director of Agriculture,** Department of Agriculture, Haveri	**Member**
9.	**District Officer,** News & Publicity, Haveri	**Member**
10.	**Deputy Director,** District Watershed Department, Haveri	**Member**
11.	**Deputy Director,** Horticulture Department, Haveri	**Member**
12.	**Deputy Director,** Animal Husbandary and Vet. services Department, Haveri	**Member**
13.	**Deputy Conservator of Forests –** Social Forestry, Haveri	**Member**
14.	**Deputy Director,** Sericulture Department, Haveri	**Member**
15.	**District Social Welfare Officer,** Social Welfare Department, Haveri	**Member**
16.	**Joint Director,** District Industrial Centre, Haveri	**Member**
17.	**Deputy Director,** Women and Child Development Department, Haveri	**Member**
18.	**Senior Assistsnt Director,** Fisheries Department, Haveri	**Member**
19.	**Director,** Needs, Ranebennur	**Member**
20.	**District Project Officer,** BAIF Haveri	**Member**
21.	**Manager,** Lead Bank-Vijaya Bank, Haveri	**Member**
22.	**Deputy Manager,** Dharwad Milk Union, Haveri	**Member**
23.	**District Development Manager,** NABARD, Haveri	**Member**
25.	**Deputy Director,** Khadi Village Industries & Small Scale Enterprises Division, Haveri	**Member**
26.	**President,** Karnatak Krishik Samaj, Haveri	**Member**
27.	**Sri Parameshvaraiah V. Salimath,** Progressive Farmer, Akkur, Haveri	**Member**
28.	**Sri Nagappa B. Chowdapplavar,** Joyisaraharalahalli, Ranebennur	**Member**
29.	**Smt. Saroja Bankapura,** Torur, Shiggao	**Member**
30.	**Smt.Lalitavva V.Hosalli,** Kallapura, Haveri	**Member**
	Special invitees	
31	**Head,** Agriculture Research Station, Hanumanamatti	
32	**Senior Farm Superintendent,** Agriculture Research Station, Hanumanamatti	

Agenda Item No. 03

Action Taken Report on the previous SAC meeting

Sl. No.	Recommendation	Proposed by To whom	Action Taken (to be quantified)
1.	Conducting Frontline demonstration on paddy transplanter machine	Chairman SMS (Agronomy)	Submitted proposal has been submitted during 2013-14 on 11.6.2013. Totally 11 equipments for custom hiring centre is planned, among, financial sanction is obtained for six equipments.
2.	Conducting On campus training on Inland fishery rearing and production technology as an additional entrepreneurial activity with the help of University scientist	Chairman SMS (Animal Science)	In the month of August, training to farmers on fisheries will be implemented through the department.
3.	Conducting On campus training on control of Root crab by using Metarzzium bio-agent for farmers and Extension functionaries	Chairman SMS (Pl. Pathology)	Identified root grub affected plot in paddy during 2012-13 at akkialur and demonstration of Metarhizium will be done.
4.	Establishment of Custom hiring centre on Farm machineries by using University grant of 10.00 lakhs and provide service to farmers under Revolving fund	Chairman Programme Co-ordinator	Proposal during 2013-14 is submitted on 11.6.2013. Totally 11 equipments for custom hiring centre is planned, among, financial sanction is obtained for six equipments.
5.	Conducting seed production programme on oil seeds (GPBD-4 and 5) and pulses (BGD-103 and JG-11) under ICAR Revolving fund on priority basis	Sri. Ramamurthy, ICAR, Bangalore SMS (Pl. Breeding) and PC	During 2013-14 kharif under revolving fumd, seed production in 50 acres of land with Groundnut (GPBD-4 & GPBD-5 & K-6), Soybean (TS-9305 & DSB-1), Pigeonpea (BSMR-736 & TS-3R), Green gram (S-4) and small millets {Saave (Sukshema), Navane (HMT-100-1)} besides fodder crops such as Jowar (SSV-74) & SAT are taken up.
6.	Organizing training programmes on dairy and its value addition with the joint co-operation of dept. of AV & H	Director of Extension SMS (Animal Science)	Contacted department officials and programme will be implemented after kharif
7.	Organizing field days for all the popular technologies under FLD and OFT	Chairman All SMS and PC	Field days in all successful FLDs will be conducted during 2013-14
8.	Conduct of suitable programmes to control of Boron deficiency, thrips management and purple blotch in onion	Chairman SMS (Pl. Pathology) and SMS (Soil Sc.)	During kharif 2013-14, demonstration of ICM in Onion is taken up in Guttala cluster, Thimmapur village. Transplanting has been done from 17.6.2013 to 24.6.2013
9.	Conducting FLD on Aerobic Rice cultivation and maintenance of statistics regarding production and productivity	Chairman SMS (Agronomy)	Five demonstrations during kharif 2013-14 in Bankpur cluster-Neeralakatti and Ranebennur cluster Yerekuppi, Joyisaraharalahalli and Ranebennur kasaba are taken up Total area: 2.0 ha Farmers: 07

Sl. No.	Recommendation	Proposed by To whom	Action Taken (to be quantified)

Sl. No.	Farmers Name and Address	Village	Taluk	Mobile No.	Area (Ha)
1.	Umesh S. Muddannavar	Joyisarharalahalli	Ranebennur	8970892292	0.2
2.	Govindappa H. Mulimani	Yarekuppi	Ranebennur	–	0.2
3.	Takreppa Gopanna Lamani	Neeralakatti	Shiggao	–	0.4
4.	Bheemappa M. Akkalsali	Neeralakatti	Shiggao	–	0.4
5.	JanappaJamalappa Lamanai	Neeralakatti	Shiggao	9986676286	0.4
6.	Tejanandaswamy Belavagimatha	Ranebennur	Ranebennur	9986676286	0.4
7.	KVK, Farm	Hanumanamatti	Ranebennur	–	0.3
				Total area (ha)	**2.0**

10.	Conducting demonstrations on Sugarcane trash management by using compost culture in Hangal and Haveri talukas	Chairman SMS (Soil Sc.) and SMS (Agronomy)	Farmers from Kulenoor and Adur villages of Adur cluster have been selected for the demonstration, soil testing is done and the demo will be taken up using compost culture from UAS Dharwad during Nov.-Dec., 2013
11.	Popularization of IFS in the district to increase farm productivity with giving more emphasis on Animal Husbandry and Agro Forestry methods	Sri. C.K. Kanavalli, Progresive farmer All SMS and PC	In Adur, Kajjari and Kakol villages, selected five farmers and are provided with critical inputs and demonstration of IFS is in progress during this year
12.	Establishment of model sheep and goat stall feeding unit at KVK for the help of farming community	Chairman SMS (Animal Science)	Daccani and Rambulet (Male 2 + Female 10) breeds unit is established in the KVK farm
13.	Organizing On campus training on self employment for Rural youths and farm women	Sri. Rammurthy, ICAR, Bangalore SMS (Home Science)	From 21.3.2013 to 28.3.2013, value added tailoring training at Rahutankatte of Ranebennur is conducted and it will be done further days in other villages also
14.	Organizing farmers convention under frontline demonstration through field days and farmers to farmer based programmes	Sri. Rammurthy, ICAR, Bangalore All SMS and PC	During 2013-14 in all FLDs field days will be conducted
15.	Popularization of FFS concept to farmers with the use of AIR and TV programmes	Sri. Rammurthy, ICAR, Bangalore All SMS and PC	FFS programme will be taken up in Adur cluster
16.	Establishment of fodder crop cafeteria and fodder bank at KVK	Director of extension, UAS, Dharwad SMS (Animal Science) and PC	Eight types of fodder varieties demo unit (1 Ac) is established (Co–4, Co–3, DHN–6, Gini grass, NB.–21, BH.–18, APBN.–1, IGFRI.–3 ಮತ್ತು IGFRI.–7)
17.	Organizing programmes for establishment of kitchen garden and nutrient budgeting	Director of extension, UAS, Dharwad SMS (Home Science)	Kitechen garden will be established with IFS farmers during this year, it is in progress

Sl. No.	Recommendation	Proposed by To whom	Action Taken (to be quantified)
18.	Regularization of KVK Newsletter	Director of extension, UAS, Dharwad All SMS and PC	Jan-June 2013 News Letter is published. In future quarterly will be published timely
19.	Organizing programmes on moisture conservation technology in dry lands	President, Krishik Samaj, Haveri PC and SMS (Agronomy)	During 2013-14 it will be implemented. Rain after Nov. will be meager. In sugarcane demonstration on trash composting in rows will be done instead of burning which will conserve soil moisture also. FLD is planned on this demonstration
20.	Organizing diagnostic training programmes for extension functionaries	Dean(Agri),AC Hanumanamatti All SMS	Five diagnostic trainings conducted Hiremoraba, Ingalagondi, Kuppelur, Lingadahalli and Rattihalli)
21.	Popularization of transplanting technique in pigeon pea	Chairman SMS (Agronomy)	During 2013-14, ten thousand plants have been supplied to 5 farmers

Sl No	Name of the Farmer and Address	Village	Taluka	Mobile No.	Area (ha)
1.	**Maheshgouda Doddakannagouddru**	**Joyisarharalhalli**	**Ranebenur**	9986534171	0.4
2.	**Sanagappa Golappa Banakar**	**Joyisarharalhalli**	**Ranebenur**	9902360256	0.8
3.	**Mookappa Ningappa Masanagi**	**Joyisarharalhalli**	**Ranebenur**	8095160460	0.1
4.	**Malishanatappa H. Mudeplavar**	**Joyisarharalhalli**	**Ranebenur**	9986469836	0.2
5.	**Gadigeppa N.Choudaplavar**	**Joyisarharalhalli**	**Ranebenur**	9739295234	0.2
6.	**KVK Farm**	**Hanumanamatti**	**Ranebenur**	–	0.4
				Total area (ha)	**2.10**

22.	Organizing value addition training programmes on maize, cereals, small millets and other crops and creating awareness regarding geographic indicators and custodian farmers	Chairman SMS (Home Science)	During this season, at harvesting value addition training programme will be conducted

Agenda Item No. 04

Overall progress report and action plan for forthcoming season

Agricultural scenario :

Receipt of monsoon in the district well in advance has made the farmers to take-up pre-sowing activities in a planned manner and complete the sowing, however due to rain, sowing is delayed in some of the areas as suitable condition is not existing. Since there is good rain agriculture activities are in full action and farmers are expecting good yields. The normal rainfall during May, June and July is 363.3 mm, however 268.3 mm is received till 15th July.

In haveri district mainly maize (1.43.730 ha), Cotton (86,795 ha), Paddy (2720 ha), Groundnut (17020 ha), Green gram (1875 ha), Sunflower (147 ha), Pigeonpae (2730), Soybean (6410 ha), small millets (2817 ha) and Sugarcane (5810 ha) have been grown.

Rainfall in Hanumanamatti is as follows

Months	Normal (21 Years) (mm)	2011	2012	2013
Jan	1.19	3.0	0	0.2
Feb	1.57	0	0	0
Mar	4.52	0	0	0.4
Apr	26.01	53.8	157.1	28.2
May	29.20	0	17.3	139.5
Jun	31.33	40.4	16.6	130.5
Jul	41.44	35.4	53.5	110.0
Aug	36.82	35.6	49.9	
Sept	33.67	25.6	19.3	
Oct	56.50	37.8	9.0	
Nov	30.17	1.5	132.2	
Dec	1.99	0	0	
Total	**294.41**	**233.1**	**454.9**	**408.8**

Rainfall in Haveri

Months	Normal (mm)	Avaerage Rainfall in the district (mm)–2013	Previous Year Rainfall in the district 2012 (mm)
Jan	0.4	15.9	0.0
Feb	0.6	0.0	0.0
Mar	4.1	2.5	0.0
Apr	43.6	80.7	131.2
May	78.4	71.4	47.8
Jun	114.9	116.4	41.3
Jul	170	80.5	84.5
Total	**412.0**	**367.4**	**304.8**

i) Major farming systems/enterprises :

- Major Crops : Maize, Cotton, Paddy, Groundnut, Greengram, Sunflower, Sugarcane, Rabi Sorghum and Bengalgram, Small millets + Redgram, Maize + Redgram
- Cotton – Bengalgram / Cotton – Fallow
- Chilli – Sorghum / Onion, Garlic – Sorghum / Onion – Sorghum
- Paddy – Greengram / Paddy – Fallow
- Arecanut / Ginger / Beetlevine
- Mango / Sapota / Banana / Flower (Chrysanthemum, Jasmine)
- Enterprises : Dairy, Sheep rearing, poultry, vermicompost units, fodder development, IFS and machinery on hire

- **Pest and Disease Scenario:** This year maize crop is more affected due to continuous drizzling rain in the district. Nutrient deficiency symptoms (Zn-White patches / stripes and P- pink / red stripes) and stem borer / early shoot borer in maize are noticed and application of Zn – EDTA @ 2.5 g / L and 19 all @ 5 g / L is recommended through line department officials and SMS messages. No severe pest and diseases in cotton are noticed.

ii) Details of problems and thrust areas :

S. No	Name of the Operational Village	Crop /Enterprise	Major problems faced	Thrust areas identified to tackle the problems	Nature of interventions implemented / planned
1.	Antarvalli Kundoor	Groundnut	Decreasing productivity in groundnut due to long dry spells in *Kharif* season	Assessment of Groundnut variety G-2-52	• Training • Group discussion • Krishi andolan • Field day
2.	Kakol Kajjari	French bean	Local variety	Introduction of new variety of French Bean	• Training • Group discussion • Krishi andolan • Field day
3.	Antarvalli Kusagoor Magod	Onion	• Delayed rainfall (2 yrs) • Non availability of varieties for late *Kharif* • Poor storability	Assessment of onion varieties	• Training • Group discussion • Krishi andolan • Field day
4.	Kulenoor	Maize	• Varied yield levels as low, medium and high in a village	Assessment of yield levels of maize under different soil health conditions (indicators : Soil pH, Organic Carbon, P & K status)	• Training • Group discussion • Krishi andolan • Field day
5.	Kusagoor Bammanakatte	Maize	• Scarcity of Green fodder (61%)	Popularization of dual purpose (stay green type) Maize hybrid Hema (NAH-1137)	• Training • Group discussion • Krishi andolan • Field day •
6.	Neeralakatti Joyisaraharahalli Yrekuppi	Paddy	• Scarcity of water	Aerobic rice cultivation	• Training • Group discussion • Krishi andolan • Field day

S. No	Name of the Operational Village	Crop /Enterprise	Major problems faced	Thrust areas identified to tackle the problems	Nature of interventions implemented / planned
7.	Bammanakatte Budapanahalli Billalli Kajjari	Little millet	Lack of awareness on • High yielding varieties • Value addition Current yield : 7.5 q/ha Potential yield : 12.0 q/ha	Popularization of Sukshema variety of Little millet	• Training • Group discussion • Krishi andolan • Field day
8.	Bammanakatte	Foxtail millet	Lack of awareness on • High yielding varieties • Value addition Current yield : 9.0 q/ha Potential yield : 15.0 q/ha	Popularization of HMT-100-1 variety of Foxtail millet	• Training • Group discussion • Krishi andolan • Field day
9.	Agadi, Guttal	Sunflower (K)	• Indiscriminate use of fertilizers • Pest and diseases in rainfed sunflower Current yield: 7.4 q/ha Potential yield:15.0 q/ha	ICM in rain fed Sunflower	• Training • Group discussion • Krishi andolan • Field day
10.	Harogoppa Nittur Rattihalli	Sunflower (R)	Poor management of nutrients, pest and diseases in irrigated sunflower	ICM in irrigated Sunflower	• Training • Group discussion • Krishi andolan • Field day
11.	Adur Chikka Yadchi	Soybean	• Lack of awareness on new varieties • Incidence of rust Current yield:13.6 q/ha Potential yield:18.0 q/ha	Popularization of Soybean variety Dsb-21	• Training • Group discussion • Krishi andolan • Field day
12.	Kusagoor	Groundnut (K)	• Low yield • Lack of awareness on new varieties • Labour Scarcity Current yield : 13.4 q/ha Potential yield: 20.0 q/ha	Popularization of GPBD-5with mechanization	• Training • Group discussion • Krishi andolan • Field day
13.	Hunasikatti	Castor	Delay in onset of monsoon	Introduction of improved Castor varieties DCS-9	• Training • Group discussion • Krishi andolan • Field day

S. No	Name of the Operational Village	Crop /Enterprise	Major problems faced	Thrust areas identified to tackle the problems	Nature of interventions implemented / planned
14.	Joyisraharalahalli Hanumanamatti	Piegonpea	Erratic rainfall Current yield: 6.7 q/ha Potential yield : 11.0 q/ha	Transplanting technique in Pigeonpea	• Training • Group discussion • Krishi andolan • Field day
15.	Kundur	Chickpea	• Low yield • Incidence of wilt (12%) • Lack of awareness on new varieties Current yield:5.0 q/ha Potential yield:8.0 q/ha	Popularization of Chickpea variety BGD-103	• Training • Group discussion • Krishi andolan • Field day
16.	Adur Kulenoor	Sugarcane	• Weed incidence (72%) • Drudgery in weeding	Integrated weed management in Sugarcane	• Training • Group discussion • Krishi andolan • Field day
17.	Adur	Sugarcane (K/R/S)	• Indiscriminate use of fertilizers • Trash burning Currentyield:62.48 t/ha Potential yield:100 t/ha	Soil fertility and trash management in ratoon sugarcane	• Training • Group discussion • Krishi andolan • Field day
18.	Kulenoor	Cotton (K)	• Indiscriminate use of fertilizers • Sucking pests (24%) • Shoot Weevil (15%) • Mirid bug (25%) Current yield: 12 q/ha Potential yield: 19 q/ha	ICM in Bt-Cotton	• Training • Group discussion • Krishi andolan • Field day
19	Havanoor	Banana (K/R)	Indiscriminate use of fertilizers & leaf spot disease Current yield:230 q/ha Potential yield:350 q/ha	ICM in Banana	• Training • Group discussion • Krishi andolan • Field day
20	Guttal Thimmapura	Onion	Purple blotch (21%) Current yield : 165 q/ha Potential yield: 260 q/ha	Purple blotch disease management	• Training • Group discussion • Krishi andolan • Field day

S. No	Name of the Operational Village	Crop /Enterprise	Major problems faced	Thrust areas identified to tackle the problems	Nature of interventions implemented / planned
21	Bammanakatte	Fodder	• Non availability of quality fodder seeds (70%) • Cultivation of annual type of fodder with low yield • Low nutritious fodder production (Low protein & fiber) Current yield : 75 t/ha Potential yield :120 t/ha	Management of ecto parasite infestation in cattle	• Training • Group discussion • Krishi andolan • Field day
22	Adur Guttal	Drudgery reduction	• Drudgery involved in cutting sugarcane eye buds	Single eye bud cutter in Sugarcane	• Training • Group discussion • Krishi andolan • Field day
23	Hinnikoppa Savanur	Dry land Farming	• Low rainfall (<300 mm) • Low NPK status • Soil erosion due to erratic rains	Soil fertility management	• Training • Group discussion • Krishi andolan • Field day
24	Kakol Kajjari Adur Honnikoppa	IFS	• Low income of family and less / no work throughout the year	IFS	• Training • Group discussion • Krishi andolan • Field day

a) Target and achievements of mandatory activities :

OFT				FLD			
Number of OFTs		Number of farmers		Number of FLDs		Number of farmers	
Targets	Achievement	Targets	Achievement	Targets	Achievement	Targets	Achievement
04	04	04	26	21	14	245	170
Training				Extension Programmes			
Number of Courses		Number of Participants		Number of Programmes		Number of participants	
Targets	Achievement	Targets	Achievement	Targets	Achievement	Targets	Achievement
70	23	1700	598	175	154	1300	745
Seed Production (Qtl.)				Planting materials (Nos.)			
Target		Achievement		Target		Achievement	
100		5.25		10000		850	
Livestock, poultry strains and fingerlings (No.)				Bio-products (Kg)			
Target		Achievement		Target		Achievement	
-		-		-		-	

b) Major outcome of Technology Assessment and Refinement :

Salient achievements of technologies demonstrated

On-Farm Testings :

1. Assessment of fuel efficient Eco-friendly chulas

Food preparation in Envirofit stove and Selco stove is quick and fuel saving is upto 30% is observed

Front Line Demonstrations

1. Popularization of groundnut variety (GPBD-4 & GPBD-5) and Seed production

GPBD-4 and GPBD-5 gave good yield compared to TMV-2. The yield increased by 41% and 30% against TMV-2 of GPBD-4 and GPBD-5 respectively.

Demonstrations on Drudgery Reduction

Use of Groundnut stripper shown 60% better over farmers practice in one day after harvest

2. Introduction of DMT-2 New variety of Tomato

Demonstration is vitiated due to non availability of irrigation

3. Popularization of Banana special and Leaf spot disease management

The Soil test based nutrient management, Banana special spray @ 0.5% (3-8 months) and hexaconazole spray @ 0.1% and psuedomonos @1% + Bacillus @1% as second spray and third hexaconazole spray @ 0.1% gave the highest yield: 67.5 tons/ha compared to farmers lowest: 45.0 tons/ha (Avaerage yield : 56.0 tons/ha)

4. Popularization of fodder varieties

Multi cut sorghum COFS-29 (540 q/ha) and CO-3 fodder (660 q/ha) gave higher yields. COFS-29 is containing more fibre and liked by animals. Milk yield from this green fodder is increased to by 15% and fat increased about 0.5%

5. Supplementation of By-pass fat in post calving dairy cows

Milk yield increased by 20.83 % and conceiving rate by 20%. And also reduced gap between two claving period. The conceiving is more as compared to milk yield increase as opined by farmers

6) Oral pellet vaccination against Raniketh disease in ackyard poultry:

- Dose – 1 to 2 pellets on 7th and 14th day age old chicks through mouth / feed
- Oral pellet vaccinated poultry birds – 20% death rate due to Raniketh
- Not vaccinated poultry birds – 80% death rate due to Raniketh
- This disease can be easily controlled by oral pallets vaccination as opined by farmers

e. Details of Training Programmes conducted :

Category	Major thematic areas covered	No. of courses	No. of participants
Farmers and farm women	Crop Production	4	59
	Plant Protection	6	211
	Soil Health and fertility	2	72
	Livestock production	05	104
	Home Science	04	126
Rural youth	-	--	-
Extension personnel	-	-	-
Sponsored programmes *	-	-	-
Vocational programmes	-	23	572

f. Major extension activities :

Extension Activity	No. of activities	Participants		
		Farmers	Extension Functionaries	Total
Advisory Services	44	44	0	44
Animal Health Camp /Animal show	38	38	00	38
Awareness Campaign	15	243	10	253
Diagnostic Visits	03	92	00	92
Exhibition	25	591	22	613
Exposure Visits	9	131	1	132
Farmers Visit to KVK	20	20	0	20
Total	154	1159	33	1192

g. Other extension activities :

Particulars	Number
News letter	01
News paper coverage	02
Popular articles	01
Kisan Mobile Advisory Service	16
Voice message	09
Total	**28**

h. Production and supply of technology products :

Category	Major crops / livestock / fisheries strains/bio-products produced and supplied	Quantity	Value (Rs.in lakh)	Number of farmers
Seed Materials – Varieties (Quintal)	Groundnut (GPBD-4 & GPBD-5)	0.5	3600	1
	Sorghum	0.04	200	1
	Foxtail millet (Navane)	0.025	62.5	1
	Redgram (BSMR-736)	2.67	21093	24
	Little millet (Saave)	2.02	4666	2
	Total	**5.255**	**29621.5**	**29**
Planting Materials – Varieties (Number)	Curry leaf (Suvasini)	410	3280	3
Planting Materials – Hybrids (Number)	Sapota (DHS-1 & DHS-2)	440	17600	4
Total		**850**	**20880**	**07**

j. Convergence and linkages :

S. No.	Organization	Type of linkages
1.	Name of organization	Nature of linkage
2.	State Dept. of Agriculture	Training programmes, joint diagnostic survey and participation in meetings, seminars and field days.
3.	State Dept. of Horticulture	Training programmes, joint diagnostic survey and participation in meetings, seminars and field days.
4.	Rural Development Institutes (Zilla & Taluk Panchayats)	Training programmes, joint diagnostic survey and participation in meetings, seminars and field days.
5.	State Dept. of Animal husbandry & Veterinary Services	Training programmes, joint diagnostic survey and participation in meetings, seminars and field days.
6.	Karnataka Milk Federation	Training programmes.
7.	Karnataka State Seed corporation limited	Supply of inputs (seeds) and seed production programme
8.	Women and Child Development Department	Training programmes.
9.	Karnataka Oil Seeds Federation	Supply of inputs
10.	NABARD, Vijaya Bank, State Bank of India, M.G. Bank and Syndicate Bank.	Participation in meeting, conducting training programmes and promotion of TTC.
11.	Bharath Agro Industries Foundation, Haveri	Training programmes
12.	GRASIM Janakalyan Trust, Kumar Pattanum	Training programmes.
13.	Sheep and Wool Development Board	Trainings.
14.	State Dept. of Watershed	Training programmes, IFS Demonstration, Seminars and Field days.

S. No.	Organization	Type of linkages
15.	JSYS	Training programmes, Demonstration, Seminars and Field days.
16.	National Horticultural Research and Development Federation	Joint implementation and participation in meeting/Training Programme
17.	Spice Board	Joint implementation and participation in meeting/Training Programme
18.	Different private firms dealing with Medicinal and Aromatic crops	Training Programmes
19.	IIHR, Bangalore	Technical consultancy
20.	NGO's	Joint implementation and participation in meeting.
21.	Mahila Mandals and Youth Clubs	Joint implementation and participation in meeting.
22.	Sugar Factories	Joint diagnostic survey and participation in meeting
23.	Karnataka Sugar Institute, Belgaum	Participation in meeting/ Training
24.	Successful Entrepreneurs	Training Programme/ Technical Advice
25.	Vijaya Bank Sponsored Employment Training Institute	Joint implementation participation in meeting and Training Programme.
26.	Ring KVK's	Seeds, planting materials, bio-pesticides and training

k. Soil Water and Plant Analysis (April to Jul. 2013)

Category	No. of samples		No. of farmers	No. of villages	Amount realized (Rs.)
	Farmers in which OFT/FLD were implemented during the reported period	Other Farmers			
Soil	77	404	481	56	24500.00
Water	0	445	404	44	22250.00
Total	**77**	**445**	**481**	**56**	**46750.00**

l. Human Resources Development:

S. No	Name of the Staff	Number of training programmes attended	Institutions under which trained	Major areas of knowledge gained	Programmes planned based on knowledge gained
1.	**Dr.Rajakumar G.R.**	Increasing Water Productivity (2.7.13–5.7.13)	EEI, Hyderabad	Increasing Water Productivity	Soil fertility and RWH demonstration in Savanur cluster-Honnikoppa village
2.	**Dr. T.M. Soumya**	SREP	ATMA & Directorate of Extension, UAS Dharwad	District Agriculture Project Preperation	-

m. Revolving Fund Status

Particulars	Year	Opening balance	Income	Expenditure	Net balance
Training	2013–14	0.53	0.26	0.00	0.79
ICAR	2013–14	9.23	13.45	4.16	9.29

n. Utilization of KVK funds during 2012-13

S. No.	Particulars	Sanctioned	Released	Expenditure
Recurring				
1	**Pay & Allowances**	63.00	57.00	65.31
2	**Traveling allowances**	1.25	0.75	1.03
3	**Contingencies**			
A	Stationery, telephone, postage and other expenditure on office running, publication of Newsletter and library maintenance (Purchase of News Paper & Magazines)	2.50	2.00	2.02
B	POL, repair of vehicles, tractor and equipments	1.80	1.50	1.57
C	Meals/refreshment for trainees (ceiling upto Rs.40/day/trainee be maintained)	0.75	0.50	0.44
D	Training material (posters, charts, demonstration material including chemicals etc. required for conducting the training)	0.75	0.50	0.47
D	Frontline demonstration except oilseeds and pulses (minimum of 30 demonstration in a year)	3.00	3.00	3.00
E	On farm testing (on need based, location specific and newly generated information in the major production systems of the area)	0.35	0.30	0.30
F	Training of extension functionaries	0.25	0.20	0.00
G	Library (Purchase of Journal, News paper & Magazines)	0.55	0.50	0.50
H	Maintenance of buildings	0.00	0.00	0.00
I	Extension activities	0.25	0.25	0.25
J	Farmers Field School	0.05	0.05	0.05
K	Establishment of Soil, Plant & Water Testing Laboratory(Extension Activities)	0.25	0.20	0.24
L	Total (Contingencies)	**10.50**	**9.00**	**8.84**
	Total (A)	**74.75**	**66.75**	**75.18**
Non-Recurring contingency (B)		**0**	**0**	**0**
	Total (A+B)	**74.75**	**66.75**	**75.18**

o. Utilization of KVK funds during (1.4.2013 to 30.07.2013)

S. No.	Particulars	Sanctioned	Expen diture	Balance
Recurring (A)				
1	**Pay & Allowances**	52.00	17.82	34.18
2	**Traveling allowances**	1.75	0.00	1.75
3	**Contingencies**			
A	Stationery, telephone, postage and other expenditure on office running, publication of Newsletter and library maintenance (Purchase of News Paper & Magazines)	2.00	0.48	1.58
B	POL, repair of vehicles, tractor and equipments	2.00	0.41	1.59
C	Meals/refreshment for trainees (ceiling upto Rs.40/day/trainee be maintained)	0.75	0.05	0.70
D	Training material (posters, charts, demonstration material including chemicals etc. required for conducting the training)	0.70	0.00	0.70
D	Frontline demonstration except oilseeds and pulses (minimum of 30 demonstration in a year)	5.00	1.23	3.77
E	On farm testing (on need based, location specific and newly generated information in the major production systems of the area)	0.95	0.55	0.40
F	Training of extension functionaries	0.25	0.00	0.25
G	Library (Purchase of Journal, News paper & Magazines)	0.05	0.01	0.04
H	Maintenance of buildings	0.50	0.05	0.45
I	Extension activities	0.50	0.08	0.42
J	Farmers Field School	0.30	0.00	0.30
K	Establishment of Soil, Plant & Water Testing Laboratory(Extension Activities)	0.00	0.00	0.00
L	Total (Contingencies)	**13.00**	**2.86**	**10.14**
	Total (A)	**66.75**	**20.675**	**46.075**
Non-Recurring contingency (B)		0	0	0
	Total (A+B)	**66.75**	**20.675**	**46.075**

Agenda Item No.05 **Salient achievements:**

5.1 On-Farm Testings

1. Assessment of fuel efficient Eco-friendly chulas

OFT : 06 **Village : Akkialur**

i)	Problem identified	Fuel inefficiency and drudgery involved in cooking
ii)	Technology Intervention Undertaken	Comparison between Envirofit, Selco and Sampada Gasifier stove. Material purchase is under progress
iii)	Mode of Implementation	OFT, Training and Result demonstration
iv)	Outcome	Food preparation in Envirofit stove and Selco stove is quick and fuel saving is upto 30% is observed

5.2 Front Line Demonstrations

1. Popularization of groundnut variety (GPBD-4 & GPBD-5) and Seed production

Area : 04 ha **Farmers: 10** **Village : Magod (Ranebennur Taluk)**

i)	Problem identified	Lack of awareness on improved varieties, low yield, drudgery reduction, scarcity of labour and time consuming
ii)	Technology Intervention Undertaken	Popularization of groundnut variety (GPBD-4 & GPBD-5) and method demonstration on mechnization sowing in G-nut to overcome the scarcity of labour and seed production.
iii)	Mode of Implementation	Training, FLD, FFS, Krishi Andolana for seed production and horizontal spread to farmers to farmer
iv)	Outcome	GPBD-4 and GPBD-5 gave good yield compared to TMV-2. The yield increased by 41% and 30% against TMV-2 of GPBD-4 and GPBD-5 respectively.

	Lowest: q/ha	Highest q/ha	**Average Yield** q/ha	**Farmers Practice (TMV–2)** q/ha	**Increase in Yield** (%)
GPBD-4	17.50	22.50	20.0 (33%)	14.13	41.5
GPBD-5	12.00	18.00	15.0	11.54	30.00

v)	Action for up-scaling / recommendation of the outcome	Training, FLD, FFS, Krishi Andolana for seed production and horizontal spread to farmers to farmer
vi)	Any other special activities worth mentioning	Success Stories / Case Studies are continued

Front Line Demonstrations on Drudgery Reduction

Demos: 02 **Village: Masur (Hirekerur Taluk)**

i)	Problem identified	Drudgery in removing pods from plant and damage to hands
ii)	Technology Intervention Undertaken	Use of Groundnut stripper
iii)	Mode of Implementation	FLD, Training and Result demo
iv)	Outcome	Use of Groundnut stripper shown 60% beeter over farmers practice in one day after harvest

2. Introduction of DMT-2 New variety of Tomato

FLD : No. of Demo: 05 **Area: 2 ha** **Village: Kundur, Torur**

i)	Problem identified	Use of low yielding varieties
ii)	Technology Intervention Undertaken	Introduction of DMT-2
iii)	Mode of Implementation	FLD and Group discussion
iv)	Outcome	Demonstration is vitiated due to non availability of irrigation
v)	Action for up-scaling / recommendation of the outcome	Training and group discussion

3. Popularization of Banana special and Leaf spot disease management

FLD : 04 ha **Farmers:10** **Village: Shidenur (BDG)**

i)	Problem identified	Low yield and unscientific fertilizer and pesticide application and uneven bunch sizes
ii)	Technology Intervention Undertaken	Soil test based nutrient management, Banana special spray @ 0.5% (3-8 months) and hexaconazole spray @ 0.2 ml/L @ 0.1% and psuedomonos @1% + Bacillus @1% as second spray and third hexaconazole spray @ 0.2 ml/L @ 0.1%
iii)	Mode of Implementation	Training and FLD
iv)	Outcome	Highest yield: 67.5 tons/ha Lowest: 45.0 tons/ha Avaerage yield : 56.0 tons/ha
v)	Action for up-scaling / recommendation of the outcome	Training

4. **Popularization of fodder varieties**

Demo. No. : 20 **Area: 20 gunta(each)** **Village : Akkialur (HVR)**

i)	Problem identified	➢ Non availability of quality seeds ➢ Annual type of fodder with low yield ➢ Non production through out the year
ii)	Technology Intervention Undertaken	➢ Popularization of fodder varieties ➢ High yielding perennial multi cut fodder crops ➢ Supply of quality seeds - COFS-29, CO-3, Cow pea and Lucerne
iii)	Mode of Implementation	FLD, Training
iv)	Outcome	Multi cut sorghum COFS-29 (540 q/ha) and CO-3 fodder (660 q/ha) gave higher yields. COFS-29 is containing more fibre and liked by animals. Milk yield from this green fodder is increased to by 15% and fat increased about 0.5%

5. Supplementation of By-pass fat in post calving dairy cows

FLD :05 **No. of animals: 05** **Village : Akkialur (HVR)**

i)	Problem identified	➢ Delayed on set of post calving estrus ➢ Long inter calving period ➢ Decreased conception rate
ii)	Technology Intervention Undertaken	➢ Supplementation of By-pass fat in post calving dairy cows ➢ Rumen stable by-pass fat and protein enriched with carbohydrate Chelated chromium and probiotics fed to cows @ 50-100 g/cow/day for 120 days ➢ Optimization of rumen micro flora
iii)	Mode of Implementation	FLD, Training
iv)	Outcome	Milk yield increased by 20.83 % and conceiving rate by 20%. And also reduced gap between two claving period. The conceiving is more as compared to milk yield increase as opined by farmers

6. **Oral pellet vaccination against Raniketh disease in backyard poultry**

FLD : 02 **No. of birds : 1000** **Village : Akkialur (HVR)**

i)	Problem identified	➢ Out break of Raniketh disease in backyard poultry ➢ No vaccination against the disease ➢ 100% mortality
ii)	Technology Intervention Undertaken	➢ Oral pellet vaccination against Raniketh disease in backyard poultry ➢ Dose – 1 to 2 pellets on 7^{th} and 14^{th} day age old chicks through mouth / feed ➢ Creation of awareness about disease and vaccine
iii)	Mode of Implementation	FLD, Training
iv)	Outcome	Oral pellet vaccinated poultry birds – 20% death rate due to Raniketh Not vaccinated poultry birds – 80% death rate due to Raniketh This disease can be easily controlled by oral pallets vaccination as opined by farmers

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