UNIVERSITY OF AGRICULTURAL SCIENCES, DHARWAD

36th Scientific Advisory Committee Meeting
(Date: 02.03.2013)

Action taken for 35th SAC meeting
(Date: 28.07.2013)

Progress Report
(29.07.2012 to 01.03.2013)

Action Plan
(04.03.2013 to 31.03.2014)

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

TABLE AGENDA FOR SCIENTIFIC ADVISORY COMMITTEE MEETING

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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: 08373253524 Fax: 08373253524 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) Mandate

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 its allied activities. The specific activities to carry out this mandate 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
2.1	Programme Coordinator	D.S.M. Gowda	Ag. Engg.	37400-61000	9000	09.06.11	Permanent
2.2	Subject Matter Specialist	S.A. Ashtaputre	Plant Pathology	37400-61000	9000	11.06.11	Permanent
2.3	Subject Matter Specialist	T.M. Soumya	Agronomy	15600-39100	6000	05.12.08	Permanent
2.4	Subject Matter Specialist	G. R. Rajakumar	Soil Science	15600-39100	6000	12.07.11	Permanent
2.5	Subject Matter Specialist	S.Y. Mukartal	Animal Science	15600-39100	6000	06.07.09	Permanent
2.6	Subject Matter Specialist	Geeta S. Tamgale	Home Science	15600-39100	6000	01.07.09	Permanent
2.7	Subject Matter Specialist	Kaveri Biradar	Plant Breeding	15600-39100	6000	05.09.12	Permanent
2.8	Programme Assistant	Mallikarjun A. G.	Soil Science	9300-34800	4200	26.02.09	Permanent
2.9	Computer Programmer	Rekha K. N.	Computer programmer	9300-34800	4200	12.11.08	Permanent
2.10	Farm Manager	Sairabanu M	Farm Manager	9300-34800	4200	02.07.09	Permanent
2.11	Accountant/Superintendent	S.K.Hanni	Superintendent (General)	20000-36300	-	04.07.11	Permanent
2.12	Stenographer	Saroja B. T.	Typist	16000-29600	-	06.11.09	Permanent
2.13	Driver 1	Mahesh L.M.	Dirver cum Mechanic	11600-21000	-	12.07.06	Permanent
2.14	Driver 2	P.C. Kunbevin	Driver (Tractor)	11600-21000	-	07.06.98	Permanent
2.15	Supporting staff 1	C. V. Nelogal	Office Attendent	10400-16400	-	02.11.98	Permanent
2.16	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

1.	Vice Chancellor of SAU/Director of ICAR Institute/ Chairman of the Host Organization of NGO	:	Chairman
2.	Zonal Project Director Zone VIII Bangalore	:	Member
3.	Director of Extension	:	- do-
4.	Director/Head of the nearest ICAR Institute	:	- do-
5.	Assistant Director of Research / Assistant Director of Extension of SAU	:	- do-
6.	Officials from Departments of Agriculture/Horticulture/ Agricultural Engineering /Animal Husbandry/Fisheries/ Sericulture/ Irrigation/Forestry/Soil Conservation/ Social Forestry/Agro-forestry/Small Scale Industries/DIC etc	:	Members
7.	Project Director ATMA	:	Member
8.	Lead Bank Official	:	- do-
9.	Manager/AGM NABARD	:	- do-
10.	Official from AIR	:	- do-
11.	Official from Doordarshan	:	- do-
12.	Two representatives from farmers	:	Members
13.	Two representatives from farm women	:	- do-
14.	Programme Coordinator	:	Member Secretary
15.	Other invitees if any	:	

Agenda Item No. 03

Action Taken Report on the previous SAC meeting

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Sl. No.	Recommendation	Proposed by	Action Taken (to be quantified)
1.	Getting help from the State Dept. of Agriculture to supply paddy transplanter for demonstration	Chairman- SMS (Agronomy)	Action will be taken during 2013-14 and also suggested to Dr. Anuraj, ARS, Mundgod to purchase Paddy transplanter under the RKVY project Farm machinery and demonstration will be taken during 2013-14.
2.	Conducting fishery related On and Off campus training programmes	Asst. Director (Fisheries)- SMS (Animal Sc.)	Action will be taken during 2013-14 financial year. Non availability of Resource person.
3.	Updating technical information to the farming community regarding availability of Agriculture inputs through SMS	Chairman- Prog.Asst. (Computer)	SMS regarding availability of Agriculture inputs have been sent.
4.	Conducting demonstration on prevention of stem borer problem in cotton	Joint Director, KSDA - SMS (Plant Pathology)	Conducted FLD on Shoot weevil on cotton (5 ha.) at Bisanalli and Kajjari village.
5.	Conducting demonstration on prevention of root grub in paddy	Joint Director, KSDA - SMS (Plant Pathology)	Severe problem was not noticed, but proposal to be given during 2013-14 for conducting method demon-stration on prevention of root grub in paddy in an area of 2 ha.
6.	Getting help from the Dept. of Watershed and women and Child Development in conduct of On and Off campus training programmes in the areas of dairying and bakery	Asst. Director (W & CD)- SMS (Animal Science) and SMS (Home Science)	On and Off campus programmes are in progress in collaboration with Dept. of Watershed and the same will be followed for the Dept. of Women and child development.
7.	Involving district and taluk level extension officers and workers in conducting field days of Front line demonstrations	Sr. Scientist. Zonal Office, B,lore – SMS and P.C)	The officials of line department are involved in FLD, OFT, FFS, Krishi Uthasva, Exhibition and Krishi Andolan.
8.	Maintenance of register by SMS regarding field visits and diagnostic visits	Sr. Chief Scientist, ZPD B,lore – SMS and P.C)	All SMS are maintaining individual register regarding field visits and diagnostic visits.
9.	Conduct of On campus training programme for extension officials of Haveri district	Sr. Chief Scientist, Zonal Office, B,lore – SMS and P.C)	Due to non availability of Training hall trainings were not conducted and it will be implemented in the forth coming days.
10.	Creating awareness and conduct of demonstrations on newly released varieties by the Agricultural University	S.B. Choudappalavar - SMS and P.C)	During 2012-13 FLD's are conducted and created awareness on newly released varieties like Groundnut (GPBD-4 & 5), Bengalgram JG-11 and BGD-103, ICM in Sunflower, small millets. Similarly awareness created for Horizontal spread of the above varieties through procurement (29 qt) and farmers to farmers.
11.	Soil testing and informing the results to the sericulture farmers	Sericulture Extension Officer, Dept. of Sericulture– SMS (Soil Science)	One off and on campus trainings conducted and 4 soil samples tested in Chalageri village of Ranebennur taluk. During 2013-14 one technology assessment and one FLD on Foliar spray of Mulbery tonic (8 Ha.) have been planned.
12.	Sending time table about conduct of On campus and Off campus training programmes of KVK to the Gram Panchayats of Haveri district	J.P.Muddappalavar , Progressive farmer – SMS and P.C)	Due to non availability of Training hostel On campus training programmes were not conducted it will be implemented during 2013-14.
13.	Establishment of Farm mechanization centre to help the small land holders to use under rental basis	Chairman – SMS and P.C	Under RKVY project on farm machinery ARS, Mundgod, Two seed cum fertilizer drills purchased and demonstration conducted in our KVK farm and farmers of Kajjari and Mydur village got benefited.
14.	Creating awareness and conduct of demonstrations in the area of new	Deputy Director, District Watershed	Awareness created and conducted demonstrations (FLD-20) at Akkialur and near by villages. Small

Sl. No.	Recommendation	Proposed by	Action Taken (to be quantified)
	fodder crops	Dept - SMS (Animal Science) and SMS (Agronomy)	quantity of fodderslips, CO-3, Lucerne, Cowpea, COFS-29 and seeds are supplied to the farmers from KVK fodder bank and Horizontal spread through farmers to farmers linkage activity.
15.	Sending of voice mail to the farming community	Chairman – Prog. Asst. (Comp) & P.C	Voice mail services has already started from 11.01.2013.

Date & Time	Category	Crops	Message Type	Message Description	No. of farmers	Staff
18/01/2013 16:27	Others	Sugarcane	Advisory	Sugarcane trash management	106	Dr. G.R. Rajakumar
22/01/2013 12:52	Others	Home Sc.	Advisory	Pulse polio	106	Mrs. Geeta S Tamgale
28/01/2013 11:55	Cow	Livestock	Advisory	Increasing fat percentage in milk	106	Dr. S.Y.Mukartal
31/01/2013 15:04	Others	Grain Storage	Advisory	Grain storage technology	106	Mrs. Geeta S Tamgale
05/02/2013 10:45	Others	Sugarcane	Advisory	Soil fertility and trash management through composting in ratoon sugarcane	106	Dr. G.R. Rajakumar

Agenda Item No. 04

Overall progress report and action plan for forthcoming season

a) Agricultural scenario :

Agriculture situation of Haveri district was severally affected during present year during ultimately and low rainfall. District received only 567mm rainfall against the expected rainfall of 719 mm that is district received shortage of nearly 188mm rainfall. Ranebennur and Byadgi taluk received only 140mm rain during April 2012. In total low rainfall has affected the district agricultural scenario.

During monsoon major crops grown in the district were Maize (138738 ha) followed by Cotton (73311 ha), Paddy (32842 ha), Groundnut (13528 ha), Greengram (1822 ha), Sunflower (133 ha) and Sugarcane (5879 ha). Rabi sorghum and Bengalgram were the major crops grown during Rabi season in 7003 ha and 4511 ha respectively.

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 Onion crop is much affected by purple leaf blotch which caused reduction in yield. Cotton crop was affected by sucking pests in increasing trend, throughout the district. And also noticed that Chilli crop was affected by powdery mildew and Banana was affected by leaf spot disease as regular as before.

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
1.	Chikkanellur,Maidur	Groundnut (K)	Lack of awareness on improved varieties, low yield, drudgery reduction, scarcity of labours and time consuming	Popularization of groundnut variety (GPBD-4 and GPBD-5) and seed production	Training, FLD, FFS and Krishi Andolana for spreading of seed production through farmers to farmer
2.	Akkialur	Dairy	Scarcity of fodder	Feed and Fodder Technology	Popularization of fodder varieties (FLD)
3.	Akkialur	Dairy	Delayed onset of post calving estrus	Feed and Fodder Technology	Supplementation of by-pass fat in post calving dairy cows (FLD)
4.	Akkialur	Poultry	Raniketh disease in backyard poultry	Animal disease management	Oral pellet vaccination against raniketh disease in backyard poultry (FLD)
5.	Akkialur	Drudgery reduction	Fuel inefficiency and drudgery involved in cooking	Drudgery reduction	OFT
6.	Masur	Drudgery reduction	Drudgery and palm injury during separating groundnut pods from the plants	Drudgery reduction	FLD, Method and Result Demonstration
7.	Magod	Groundnut (R/S)	Lack of awareness on improved varieties, low yield, drudgery reduction, scarcity of labours and time consuming	Popularization of groundnut variety (GPBD-4 and GPBD-5) and seed production	Training, FLD, FFS and Krishi Andolana for spreading of seed production through farmers to farmer (Under progress)
8.	Chakapura	Maize	Low yield and imbalanced fertilizer application	Soil test based nutrient management in maize	Training, FLD
9.	Chakapura	Redgram	Low yield and local seeds use	Introduction of new variety seeds	Training, FLD
10.	Kadakol	Sunflower	Low yield and un scientific fertilizer and pesticide application	ICM	Training, FLD
11.	Shidenur, Ramagondanahalli	Banana	Low yield, leaf spot disease, unscientific fertilizer application and un even branches	Soil test based nutrient management banana special spray and Hexaconazole and Bio-agents spray	Training, FLD
12.	Basapur, Bhooveerapur	Maize	Storage of fodder	Introduction of duel purpose maize (stay green type) hybrid Hema (NAH-1137)	FLD and group discussion
13.	Hirebidari, Kallapur (RNR)	Paddy	Scarcity of water	Aerobic rice cultivation	Method demonstration, Training and group discussion
14.	Chakapur, Chikknellur, Basapur, Kakol	Soybean	Lack of awareness on improved varieties	Introduction of improved Soybean varieties	FLD and Training
15.	Kunduru, Toruru	Tomato	Use of low yielding varieties	Introduction of DMT-2	FLD and group discussion
16.	Ramgondanahalli, Hirenandihalli	Chilli	Root diseases, poor stand up of crop	Organic method of management of root diseases in chilli	OFT and group discussion
17.	Kajjari	Onion	Purple blotch disease	Application of difenconazole @ 0.05%	FLD, Training and group discussion
18.	Bisnalli, Kajjari	Cotton	Sucking pests	Application of suitable effective insecticides	FLD and group discussion

b) 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
02	02	15	15	19	18	283	271

Training				Extension Programmes			
Number of Courses		Number of Participants		Number of Programmes		Number of participants	
Targets	Achievement	Targets	Achievement	Targets	Achievement	Targets	Achievement
130	To be	3800	To be	1402	To be	6257	To be

Seed Production (Qtl.)		Planting materials (Nos.)	
Target	Achievement	Target	Achievement
75	42.5	5000	5899

Livestock, poultry strains and fingerlings (No.)		Bio-products (Kg)	
Target	Achievement	Target	Achievement
-	-	-	-

c) Major outcome of Technology Assessment and Refinement :

1. **Organic method of management of root diseases in chilli :**
    - Application of neem cake @ 2.5 q/ha and two times drenching of 10 g of Pseudomonas + 10 g Trichoderma /ltr of water immediately after the incidence of disease gave 37% increase in yield
2. **Assessment of fuel efficient Eco-friendly chulas : Under progress**

d) Major outcome of Frontline Demonstrations

1. **Popularization of Groundnut variety (GPBD-4 and GPBD-5) and seed production :**
    - Both varieties performed better compared to TMV-2 and JL-24
    - GPBD-4 and GPBD-5 registered increased yield against TMV-2 by 44% and 80%
    - Popularization mechanization of sowing in Groundnut variety (GPBD-4 and GPBD-5)
    - Horizontal spread of the above improved varieties from farmers to farmer and KVK to farmers on an average of 29 q. and coverage of 10 villages (Hirekerur, Ranebennur, Shiggaon and Savanur)
    - Two villages namely Kurdkodihalli (BDG) and Tevaramallalli (HKR) have been selected for secondary spread
2. **Popularization of fodder varieties :** Demonstration is under progress
3. **Supplementation of by-pass fat in post calving dairy cows**: Demonstration is under progress
4. **Oral pallet vaccination against raniketh disease in backyard poultry:** Demonstration is under progress
5. **Introduction and seed production of Bengalgram variety BGD-103 and JG-11 :**
    - Both varieties registered increased yield as compared to A-1 by 26% and 17%
6. **Popularization of Groundnut variety (GPBD-4 and GPBD-5) and seed production :** Demonstration of Rabi/Summer season is under progress
7. **Use of Groundnut Stripper :** Demonstration is under progress
8. **Soil test based nutrient management in maize :**
    - The application of Zinc sulphate @ 25 kg/ha and NPK based upon soil test value increased seed yield by 7.55% against farmers practice
9. **Popularization of Pigeonpea new variety TS-3R :**
    - In demonstration of new variety, its seed yield was more by 79.2% against local variety, however the yields were low because of deficit rainfall during 2012-13

10. **ICM in Sunflower :**
    - Soil test based nutrient management, Boron spray @ 0.2% and Sulphur @ 25kg/ha application and pest management in demonstration increased seed yield by 14% against farmers practice
11. **Popularization of Banana special and leaf spot disease management :**
    - Soil test based nutrient management, spraying of banana special @ 0.5% at monthly interval from third month onwards upto 8 months and spraying of Hexaconazole @ 0.2ml/L for leaf spot management indicated healthy growth of plants and bunches
12. **Introduction of duel purpose maize hybrid Hema (NAH-1137) :**
    - It has registered 4.3% increase in grain yield and 58% increase in fodder yield over check (CP-818)
13. **Aerobic rice cultivation :**
    - MAS-26 has yielded 35 q/ha of grain yield and 3 t/ha of fodder yield
14. **Introduction of Soybean :**
    - Varieties Dsb-21 and JS-9305 gave 15% and 19% increase in yield over JS-335.
15. **Introduction of DMT-2, Tomato variety :** Demonstration is under progress
16. **Management of purple blotch disease in Onion :**
    - Application of Difenconazole @ 0.5 ml/lt two times at fifteen days of interval after the incidence of disease has registered reduction of disease incidence from 25% to 5%
17. **Management of sucking pest in cotton :**
    - Application of Neem based pesticide @ 0.5%, Monocrotophos @ 0.17%, Trisophos @ 0.2%, Imidachloprid @ 0.03%, Acetamiprid @ 0.02% registered reduction of pest incidence from 30% to 5%

e. Details of Training Programmes conducted :

Category	Major thematic areas covered	No. of courses	No. of participants
Farmers and farm women	Crop Production	08	243
	Plant Protection	09	960
	Agricultural Engineering	03	95
	Soil Health and fertility	30	3814
	Production of inputs at Site	09	168
	Livestock production	11	453
	Home Science	03	110
Rural youth	-	-	-
Extension personnel	-	-	-
Sponsored programmes *	01	01	70
Vocational programmes	-	-	-

*included in S. Nos 01 to 03

f. Extension Programmes conducted : (Its given in g)

g. Major **extension activities :**

Extension Activity	No. of activities	Participants		
		Farmers	Extension Functionaries	Total
Advisory Services	193	193	0	**193**
Animal Health Camp /Animal show	02	175	25	**200**
Awareness Campaign	02	130	08	**138**
Diagnostic Visits	01	01	0	**01**
Exhibition	03	250000	1500	**251500**
Exposure Visits	02	45	02	**47**
Farmers Visit to KVK	111	111	15	**125**
Film Show	01	18	02	**20**
Group discussion	15	150	-	**150**
Group meeting	32	480	22	**502**
Lecture delivered	30	2453	182	**2635**
Method Demonstration	13	316	43	**359**
Scientists' visit to farmers field	64	521	-	**521**
Seed treatment/replacement campaign	05	125	5	**130**
Soil health Camp	01	30	-	**30**
Farmers field school	01	25	0	**25**
Krishi Andlona	05	536	10	**546**
Krishi Uthsava	05	470	08	**478**

h. Other extension activities :

Particulars	Number
Animal health camps	02
Leaflets/folders	06
News letter	0
News paper coverage	04
Popular articles	09
Radio Talks	0
Soil health camps	01
TV talks	01
Capsules	02
Handout	01
Kisan Mobile Advisory Service	68
Voice message	05
Total	**99**

i. 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)	Cowpea	0.3	0.01	5
	Groundnut (GPBD-4 & GPBD-5)	29	1.12	40
	Horsgram	3	0.06	1
	Sorghum	1	0.05	10
	Maize	9.5	0.14	5
	Foxtail millet (Navane)	0.43	0.01	15
	Redgram (BSMR-736)	6.905	0.55	63
	Little millet (Save)	3	0.07	30
	Total	**53.135**	**2.01**	**169**
Seed Materials –Hybrids (Quintal)	-	-	-	-
Planting Materials – Varieties (Number)	Curry leaf (Suvasini)	5765	0.47	500
Planting Materials – Hybrids (Number)	Sapota (DHS-1 & DHS-2)	135	0.05	5
Livestock Materials (Number)	Auction of Animals	08	0.50	8
Fingerlings (Number)	-	-	-	-
Bio Products (kg)	-	-	-	-

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.
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.

S. No.	Organization	Type of linkages
22.	Sugar Factories	Joint diagnostic survey and participation in meeting
23.	Karnataka Sugar Institute, Belgaum	Joint diagnostic survey and 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

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	55 *	1434	1434	145	76,050.00
Water	-	1430	1430	141	71,500.00
Plant	-	-	-	-	-
Manure	-	-	-	-	-
Others	-	-	-	-	-
Total	**55 ***	**1434**	**1434**	**145**	**1,47,550.00**

*** Note : This number will be included in total farmers after realization of amount**

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.	Mr. D.S.M. Gowda	01	ZPD, Bangalore	Impact Monitoring and Assessment of KVK activities FLD/OFT/Trg.	Impact of FLD on Groundnut (GPBD-4 and GPBD-5) will be planned during 2013-14
2.	Dr. T.M. Soumya	01	MANAGE & Director of Extension, UAS, Dharwad	Farm journalism skills for extension functionaries	Dissemination of knowledge and technology through publication
3.	Dr. T.M. Soumya	01	Director of Extension, UAS, Dharwad	Role of KVk's in implementation of ATMA activities	Active participation
4.	Dr. T.M. Soumya	01	Directorate of Marketing and Inspection	Trainers Training on Agricultural Marketing	Grading and value addition
5.	Dr. Kavera Biradar	01	ZPD, Bangalore	Technology Assessment and Refinement	Popularization of varieties

m. Action Plan in brief for the next season(s) :

S. No	Name of the Operational Village	Crop/ Enterprise	Major problems faced	Thrust areas identified to tackle the problems	Nature of interventions proposed to be implemented
1.	Guttala, Belavigi, Galaganath	Drudgery reduction	Drudgery involved in carrying out agricultural and animal husbandry operations	Drudgery reducing technologies	FLD, Training, Method demonstration and Result demonstration
2.	Adur	Sugarcane	Low yield and burning of trash	Soil testing and composting	FLD & OFT, Training, Method demonstration and Result demonstration
3.	Adur	Cotton	Low yield, indiscriminate use of pesticides, flower and square drop	ICM	FLD, Training, Method demonstration and Result demonstration
4.	Havanur Galaganath	Banana	Uneven bunches and leaf spot disease	Use of banana special and hexaconazole	FLD, Training, Method demonstration and Result demonstration
5.	Nittur	Sunflower	Low yield, low seed setting, bud necrosis and head borer	ICM	FLD & OFT, Training, Method demonstration and Result demonstration
6.	Guttal	Maize	Low yield, zinc deficiency	Soil testing and nutrient management	OFT, Training
7.	Chalageri	Mulberry	Low quality leaves	Moisture and nutrient management	FLD & OFT, Training, Method demonstration and Result demonstration
8.	Agadi	Onion	Purple blotch	Difenconazole spray	FLD, Training
9.	Bisnahalli	Cotton	Sucking pest	Scientific usage of pesticides	FLD, Training
10.	Guttal	Dairy	Non availability of quality fodder	Fodder management	FLD and Training,
11.	Guttal	Health	Health hazard during spraying	Scientific management of pesticide spray	FLD and Training
12.	Guttal	Fodder	Drudgery in cutting fodder	Drudgery reduction	FLD and Training,
13.	Guttal, Agadi, Karjagi	Little millet	Lack of awareness of high yielding varieties and value addition	Popularization of Sukshema variety	FLD and Training,
14.	Guttal, Agadi, Karjagi	Foxtail millet	Lack of awareness of high yielding varieties and value addition	Popularization of HMT-100-1 variety	FLD and Training
15.	Kajjari, Rattihalli	Groundnut	Lack of awareness of new varieties and micro nutrient deficiency	Popularization of GPBD-5 with mechanization and seed production	FLD and Training
16.	Agadi, Devagiri	Soybean	Lack of awareness of new varieties	Popularization of Dsb-21	FLD and Training
17.	Medleri,	Caster	Delayed rain proneness	Introduction of new varieties of castor as a border crop	FLD and Training
18.	Joisaraharalah alli, Guttal	Pigeonpea	Erratic rainfall	Transplanting techniques in pigeonpea	FLD and Training
19.	Guttal, Kelagonda	Chick pea	Lack of awareness of new varieties	ICM in chickpea	FLD and Training

n. Revolving Fund Status

Particulars	Year	Opening balance as on 1st April of previous year	Income during the year	Expenditure during the year	Net balance in hand as on 28th Feb, 2013 of current year
Training	2012-13	0.40	00	0.20	0.60
ICAR	2012-13	2.67	7.75	2.76	4.99

o. Utilization of KVK funds during the Previous Year / Current Year (Rs. in lakh)

S. No.	Particulars	Sanctioned	Released	Expenditure
A. Recurring Contingencies				
1	**Pay & Allowances**	63.00	63.00	53.80
2	**Traveling allowances**	1.25	1.25	0.65
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	2.50	1.62
B	POL, repair of vehicles, tractor and equipments	1.80	1.80	1.35
C	Meals/refreshment for trainees (ceiling upto Rs.40/day/trainee be maintained)	0.75	0.75	0.11
D	Training material (posters, charts, demonstration material including chemicals etc. required for conducting the training)	0.75	0.75	0.25
E	Frontline demonstration except oilseeds and pulses (minimum of 30 demonstration in a year)	3.00	3.00	2.64
F	For Thane Relief	0	0	0
G	On farm testing (on need based, location specific and newly generated information in the major production systems of the area)	0.35	0.35	0.23
H	Training of extension functionaries	0.25	0.25	0.00
I	Maintenance of buildings	0.55	0.55	0.38
J	Establishment of Soil, Plant & Water Testing Laboratory(Extension Activities)	0.00	0.00	0.00
K	Farmers Field School	0.25	0.25	0.03
L	Library (Purchase of Journal, News paper & Magazines)	0.05	0.05	0.01
M	Extension Activities	0.25	0.25	0.14
	Total (Contingencies)	10.50	10.50	6.76
TOTAL (A)		**74.75**	**74.75**	**61.21**
B. Non-Recurring Contingencies				
1	Furniture and furnishing	0.00	0.00	0.00
a.	Plant Health Diagnostic Facility	0.00	0.00	0.00
b	Laser Guided Land	0.00	0.00	0.00
c	Power tiller	0.00	0.00	0.00
d	Ground pod striper	0.00	0.00	0.00
e	Power weeder	0.00	0.00	0.00
f	Generator	0.00	0.00	0.00
2	Works	0.00	0.00	0.00
3	Library	0.00	0.00	0.00
4	SWTL	0.00	0.00	0.00
TOTAL (B)		0.00	0.00	0.00
GRAND TOTAL (A+B)		**74.75**	**74.75**	**61.21**

Agenda Item No.05

Salient achievements in detail :

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

Area : 08 ha Farmers: 20 Village: Chikkanellur, Maidur and Masur (RNR and HKR)

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 over come 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 44% and 80% against TMV-2 of GPBD-4 and GPBD-5 respectively.The horizontal spread of the above improved varieties from farmers to farmer and KVK to farmers on an average of 29 q. and coverage of 10 villages (Hirekerur, Ranebennur, Shiggaon and Savanur) GPBD-4- Lowest: 15 q/ha Highest: 19 q/ha Farmers: 12.5 q/ha GPBD-5 - Lowest: 16 q/ha Highest: 24.5 q/ha Farmers: 12.5 q/ha
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 were studied and continued

2. **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	Progress
v)	Action for up-scaling / recommendation of the outcome	-
vi)	Any other special activities worth mentioning	-

3. 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	Progress
v)	Action for up-scaling / recommendation of the outcome	-
vi)	Any other special activities worth mentioning (Success Stories / Case Studies)	-

4. **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	Under Progress
v)	Action for up-scaling / recommendation of the outcome	-
vi)	Any other special activities worth mentioning	-

5. **Introduction and seed production of Bengalgram variety BGD-103 and JG-11**

FLD : 05 ha **Farmers: 12** **Village: Guddadachennapur, Kundur (Shiggaon)**

i)	Problem identified	Lack of awareness on improved varieties
ii)	Technology Intervention Undertaken	Introduction and seed production of Bengalgram variety BGD-103 and JG-11
iii)	Mode of Implementation	FLD, Method Demonstration, Trainin and IPM
iv)	Outcome	**BGD-103** and **JG-11** gave good yield compared to A-1. **BGD-103 and JG-11** registered an increased yield by 26% and 17% respectively, against A-1 (Local). **BGD-103:**Lowest: 5.00 q/ha Highest: 16.25 q/ha Farmers Yd: 7.5 q/ha **JG-11:** Lowest: 3.75 q/ha Highest: 12.50 q/ha Farmers Yd: 6.60 q/ha
v)	Action for up-scaling / recommendation of the outcome	FLD, Method Demonstration and Training

6.Popularization and seed production of Groundnut variety GPBD-4 & GPBD-5

FLD : 04 ha **Farmers: 10** **Village: Magod (RNR)**

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 Seed production
iii)	Mode of Implementation	Training, FLD, FFS, Krishi Andolana for seed production and horizontal spread to farmers to farmer
iv)	Outcome	Under Progress

7. 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	Under progress

8. **Use of Groundnut Stripper**

FLD: 02 **Village: Masur**

i)	Problem identified	Drudgery involved in separating pods from the plants and injury to palm
ii)	Technology Intervention Undertaken	Use of groundnut stripper with mesh. Material purchase is under progress
iii)	Mode of Implementation	FLD, Training and Result demonstration
iv)	Outcome	Under progress.

9. Soil test based nutrient management in maize

FLD : 6.40ha **Farmers: 16** **Village: Chakapur (HVR)**

i)	Problem identified	Low yield and imbalanced fertilizer application
ii)	Technology Intervention Undertaken	Soil test based NPK nutrient management and Zinc application @ 25kg/ha
iii)	Mode of Implementation	Training and FLD
iv)	Outcome	Increased yield in Demo by 7.55 % Lowest: 30 q/ha Highest: 47.75 q/ha Farmers: 35.51 q/ha
v)	Action for up-scaling / recommendation of the outcome	Training, Krishi Andolana and Demonstrations

10. Popularization of redgram new variety TS-3R

FLD : 10ha **Farmers: 25** **Village: Chakapur (HVR)**

i)	Problem identified	Low yield and local seeds
ii)	Technology Intervention Undertaken	Redgram new variety TS-3R @ 3 kg/ha as an inter crop and Soil test based NPK nutrient management
iii)	Mode of Implementation	Training and FLD
iv)	Outcome	Increased yield in Demo by 79.2 % Lowest: 0.75 q/ha Highest: 7.5 q/ha Farmers: 2.63 q/ha
v)	Action for up-scaling / recommendation of the outcome	Training, Krishi Andolana and Demonstrations

11. **ICM in Sunflower**

FLD : 04ha Farmers:10 Village: Kadakol (SVR)

i)	Problem identified	Low yield and unscientific fertilizer and pesticide application
ii)	Technology Intervention Undertaken	ICM and Soil test based nutrient management, Boron @ 0.2% and Sulphur application @ 25kg/ha
iii)	Mode of Implementation	Training and FLD
iv)	Outcome	Increased yield in Demo by 14 % Lowest: 7.25 q/ha Highest: 8.75 q/ha Farmers: 6.71 q/ha
v)	Action for up-scaling / recommendation of the outcome	Training, Krishi Andolana and Demonstrations

12. Popularization of Banana special and Leaf spot disease management

FLD : 04ha **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% and hexaconazole spray @ 0.2 ml/L
iii)	Mode of Implementation	Training and FLD
iv)	Outcome	Under progress
v)	Action for up-scaling / recommendation of the outcome	Training

13. **Maize**

No. of Demo: 12 **Area:05 ha** **Village: Basapur, Bhooveerapur**

i)	Problem identified	Storage of fodder
ii)	Technology Intervention Undertaken	Introduction of duel purpose (Stay green type) maize hybrid Hema (NAH-1137)
iii)	Mode of Implementation	FLD and Group discussion
iv)	Outcome	NAH-1137 has registered 4.3% increase in grain yield and 58% increase in fodder yield over the check (CP 818) Grain yield : Low :30 q/ha High : 65 q/ha Farmers Yd : 42 q/ha Fodder yield : Low :18.75 t/ha High : 31.25 t/ha Farmers Yd: 6 t/ha
v)	Action for up-scaling / recommendation of the outcome	Method Demonstration, Training

14. **Paddy**

FLD : No. of Demo:05 Area:02 ha Village: Hirebidri, Kallapur

i)	Problem identified	Scarcity of water
ii)	Technology Intervention Undertaken	Aerobic rice cultivation
iii)	Mode of Implementation	FLD
iv)	Outcome	Aerobic rice variety MAS-26 has yielded 35 q/ha grain yield and 3 t/ha of fodder yield Grain yield : Low :17.50 q/ha High : 40 q/ha AVG: 35 q/ha Fodder yield : Low :2.75 t/ha High : 4.5 t/ha AVG: 3 t/ha
v)	Action for up-scaling / recommendation of the outcome	Method Demonstration, Training and group discussion

15. **Soybean**

FLD : No. of Demo:20 Area:8 ha Village: Chakapur, Chikknellur, Basa pur, Kakol

i)	Problem identified	Lack of awareness on improved varieties
ii)	Technology Intervention Undertaken	Introduction of Soybean
iii)	Mode of Implementation	FLD and Training
iv)	Outcome	Dsb-21 and JS-9305 varieties have registered 15% and 19% increase in yield over JS-335 respectively **Dsb-21:** Low: 5.4 q/ha High: 12.50 q/ha Farmers Yd: 7.3 q/ha **JS-9305:** Low: 5 q/ha High: 10 q/ha Farmers Yd: 6.3 q/ha
v)	Action for up-scaling / recommendation of the outcome	Method Demonstration and Training

16. 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	Under progress
v)	Action for up-scaling / recommendation of the outcome	Training and group discussion

17. **Management of purple blotch disease in Onion**

FLD : No. of Demo: 12 Area:05 ha Village: Kajjari, Kakol

i)	Problem identified	Incidence of purple leaf blotch causes drastic reduction in yield
ii)	Technology Intervention Undertaken	Application of Difenconazole @ 0.5ml/ltr two times at 15 days interval after the incidence of disease
iii)	Mode of Implementation	FLD, Training and Group discussion
iv)	Outcome	Reduction of disease incidence from 25% to 5% by the application of Difencolazole. 33% of increase in yield Demo: 248 q/ha Farmers practice: 186 q/ha
v)	Action for up-scaling / recommendation of the outcome	Training and group discussion

18.Assessment of bio agents in root diseases of Chilli

OFT : No. of Demo: 10 Area:02 ha Village: Ramagondanahalli, Hirenandihalli

i)	Problem identified	Incidence of root diseases leads to poor stand up of crop
ii)	Technology Intervention Undertaken	Application of neem cake @ 2.5 q/h (Soil application) and two times drenching of 10 gm of Pseudomonas + 10 gm of Trichoderma/ ltr of water immediately after the incidence of the disease
iii)	Mode of Implementation	OFT, Training and Group discussion
iv)	Outcome	37% increased in yield Demo : 70 q/ha RP : 58 q/ha Farmers practice: 51 q/ha
v)	Action for up-scaling / recommendation of the outcome	Training and group discussion

19. **Management of sucking pests in cotton**

FLD : No. of Demo: 12 **Area: 05 ha** **Village: Kajjari, Bisnahalli**

i)	Problem identified	Infestation of sucking pests in cotton
ii)	Technology Intervention Undertaken	Neem based pesticide @ 0.5%, Monocrotophos @ 0.17%, Trizophos @ 0.2%, Imidachloprid @ 0.03%, Acetamiprid @ 0.02%
iii)	Mode of Implementation	FLD, Training and Group discussion
iv)	Outcome	Reduction of pest incidence from 30% to 5%, increased in yield up to 33% Demo : 19 q/ha Farmers practice: 14 q/ha
v)	Action for up-scaling / recommendation of the outcome	Training and group discussion

Agenda Item No.06

Interactions and discussions

Agenda Item No.07

Finalization of action points

Agenda Item No.08

Any other agenda with the permission from the Chairman