

CONTINUED TECHNICAL PROGRAMME FOR THE YEAR 2023-24

Crop/ Subject	Problem being investigated	Title of the experiment	Year of start	Experimental details indicating broadly treatments, methodology, etc.	Season	Centres proposed	Name of the leader and Collaborator	Expected Year of completion
1	2	3	4	5	6	7	8	9
1. Crop Improvement AICRP Rice Trials								
Rice	To study the comparative performance of early elite cultures in transplanted irrigated conditions	Advanced Varietal Trial 2- Early Transplanted (AVT 2-E TP)	Oct. 2013	Design : RCBD No. of Entries : 13 Replications : 2	Kharif	ZAHRs, Brahmapur	Dr. Shridevi A Jakkeral (L) Dr. Revanna Revannavar Dr. K.V. Sudhir Kamath Dr. Lakshmana	continued
Rice	To study the comparative performance of early elite culture in transplanted irrigated conditions	Advanced Varietal Trial 1- Early Transplanted (AVT 1-E TP)	2021	Design : RCBD No. of Entries : 29 Replications : 2	Kharif	ZAHRs, Brahmapur	Dr. Shridevi A Jakkeral (L) Dr. Revanna Revannavar Dr. K.V. Sudhir Kamath Dr. Lakshmana	continued
Rice	To study the comparative performance of mid early duration elite cultures in irrigated areas	Advanced varietal Trial 1 – Irrigated Mid early (AVT 1-IME)	2021	Design : RCBD No. of Entries : 34 Replications : 2	Kharif	ZAHRs, Brahmapur	Dr. Shridevi A Jakkeral (L) Dr. Revanna Revannavar Dr. K.V. Sudhir Kamath Dr. Lakshmana	Continued
Rice	To study the comparative performance of mid early duration elite cultures in irrigated areas	Advanced varietal Trial 2 – Irrigated Mid early (AVT 2-IME)	2022	Design : RCBD No. of Entries : 17 Replications : 2	Kharif	ZAHRs, Brahmapur	Dr. Shridevi A Jakkeral (L) Dr. Revanna Revannavar Dr. K.V. Sudhir Kamath Dr. Lakshmana	continued

1	2	3	4	5	6	7	8	9
Rice	To study the comparative performance of medium duration elite cultures in irrigated areas	Advanced varietal Trial 1 – Irrigated Medium (AVT 1-IM)	Oct. 2013	Design : RCBD No. of Entries : 44 Replications : 2	Kharif	ZAHRS, Brahmapur	Dr. Shridevi A Jakkeral (L) Dr. Revanna Revannavar Dr. K.V. Sudhir Kamath Dr. Lakshmana	continued
Rice	To study the comparative performance of medium duration elite cultures in irrigated areas	Initial Varietal Trial – Irrigated Medium (IVT- IM)	Oct. 2013	Design : RCBD No. of Entries : 64 Replications : 2	Kharif	ZAHRS, Brahmapur	Dr. Shridevi A Jakkeral (L) Dr. Revanna Revannavar Dr. K.V. Sudhir Kamath Dr. Lakshmana	Continued
Rice	To study the comparative performance of medium duration elite cultures in irrigated areas	Advanced varietal Trial 2 – Irrigated Medium (AVT 2-IM)	2022	Design : RCBD No. of Entries : 19 Replications : 2	Kharif	ZAHRS, Brahmapur	Dr. Shridevi A Jakkeral (L) Dr. Revanna Revannavar Dr. K.V. Sudhir Kamath Dr. Lakshmana	Continued
Rice	To study the comparative performance of elite lines for yield and nutritional quality	Advanced Varietal Trial & initial varietal trial- Rice Biofortification (AVT & IVT-BIOFORT)	2020	Design : RCBD No. of Entries : 46 Replications : 2	Kharif	ZAHRS, Brahmapur	Dr. Shridevi A Jakkeral (L) Dr. Revanna Revannavar Dr. K.V. Sudhir Kamath Dr. Lakshmana	continued
Rice	To evaluate comparative performance of promising elite cultures for alkalinity and inland salinity	Advance Varietal Trial 2 –Alkaline and Inland saline tolerant variety trial (AVT 2-AL & IS TVT)	2022	Design : RCBD No. of Entries : 13 Replications : 2	Kharif	ZAHRS, Brahmapur	Dr. Shridevi A Jakkeral (L) Dr. Revanna Revannavar Dr. K.V. Sudhir Kamath Dr. Lakshmana Dr. Jayaprakash S.M	continued
Rice	To evaluate comparative performance of promising elite cultures for alkalinity and inland salinity	Advance Varietal Trial 1 –Alkaline and Inland saline tolerant variety trial (AVT 1-AL & IS TVT)	2017	Design : RCBD No. of Entries : 15 Replications : 2	Kharif	ZAHRS, Brahmapur	Dr. Shridevi A Jakkeral (L) Dr. Revanna Revannavar Dr. K.V. Sudhir Kamath Dr. Lakshmana Dr. Jayaprakash S.M	continued

1	2	3	4	5	6	7	8	9
Rice	To evaluate comparative performance of promising elite cultures for alkalinity and inland salinity	Initial Varietal Trial – Alkaline and Inland saline tolerant variety trial (IVT-AL & IS TVT)	2017	Design : RCBD No. of Entries : 24 Replications : 2	Kharif	ZAHRS, Brahmavar	Dr. Shridevi A Jakkeral (L) Dr. Revanna Revannavar Dr. K.V. Sudhir Kamath Dr. Lakshmana Dr. Jayaprakash S.M	continued
Rice	To evaluate comparative performance of promising elite cultures for coastal saline soils	Initial varietal trial– Coastal saline tolerant variety trial (IVT-CSTVT)	2017	Design : RCBD No. of Entries : 32 Replications : 2	Kharif	ZAHRS, Brahmavar	Dr. Shridevi A Jakkeral (L) Dr. Revanna Revannavar Dr. K.V. Sudhir Kamath Dr. Lakshmana Dr. Jayaprakash S.M	continued
Rice	To evaluate comparative performance of promising elite cultures for Coastal Saline soils	Advance varietal trial 2 & 1– Coastal saline tolerant variety trial (AVT 2 & 1- CSTVT)	2022	Design : RCBD No. of Entries : 9 Replications : 2	Kharif	ZAHRS, Brahmavar	Dr. Shridevi A Jakkeral (L) Dr. Revanna Revannavar Dr. K.V. Sudhir Kamath Dr. Lakshmana Dr. Jayaprakash S.M	continued
Rice	Evaluation of segregating lines for high yield and pest/disease	Evaluation of segregating lines	2017	13 F2 lines were harvested	Kharif	ZAHRS, Brahmavar	Dr. Shridevi A Jakkeral (L) Dr. Lakshmana Dr. K.V. Sudhir Kamath	continued
Station trials Paddy								
Red Rice	Evaluation of paddy lines for high yielding and resistance to pest /disease	Red Rice trial	Oct. 2013	To study the performance of red kernelled rice and lines with early maturity for the coastal zone	Kharif	ZAHRS, Brahmavar	Dr. Shridevi A Jakkeral (L) Dr. Revanna Revannavar Dr. K.V. Sudhir Kamath Dr. Lakshmana	continued
White Rice	Evaluation of paddy lines for high yielding and resistance to pest /disease	White Rice Trial	Oct. 2013	To study the performance of white rice lines with early maturity for the coastal zone	Kharif	ZAHRS, Brahmavar	Dr. Shridevi A Jakkeral (L) Dr. Revanna Revannavar Dr. K.V. Sudhir Kamath Dr. Lakshmana	continued

1	2	3	4	5	6	7	8	9
Rice	Evaluation of paddy lines for high yielding and resistance to pest /disease	Bio fortification rice trial	2021	To study the performance of study the bio fortified rice cultures for yield at the coastal zone	Kharif	ZAHRS, Brahmavar	Dr. Shridevi A Jakkeral (L) Dr. Revanna Revannavar Dr. K.V. Sudhir Kamath Dr. Lakshmana	continued
Rice	Evaluation of paddy lines for high yielding and resistance to pest /disease	Mid early rice trial	2022	To know the performance of the mid early rice entries for high grain yield for the coastal zone	Kharif	ZAHRS, Brahmavar	Dr. Shridevi A Jakkeral (L) Dr. Revanna Revannavar Dr. K.V. Sudhir Kamath Dr. Lakshmana	continued
Paddy germplasm	Evaluation of paddy germplasm for high yielding and resistance to pest /disease	Conservation, Maintenance and evaluation of paddy germplasm	2015	34 rice germplasm were maintained at station and evaluated for yield and disease /pest reaction.	Kharif	ZAHRS, Brahmavar	Dr. Shridevi A Jakkeral (L) Dr. Revanna Revannavar Dr. K.V. Sudhir Kamath Dr. Lakshmana	continued
Rice	Evaluation of paddy lines for high yielding and resistance to pest /disease	Saline rice trial	2022	To evaluate the saline tolerant rice culture for saline soils of Coastal Karnataka	Kharif	ZAHRS, Brahmavar	Dr. Shridevi A Jakkeral (L) Dr. Revanna Revannavar Dr. K.V. Sudhir Kamath Dr. Lakshmana Dr. Jayaprakash S.M.	continued
Red Rice	Evaluation of paddy lines for high yielding and resistance to pest /disease	Mutation trial	2019-20	Mutants from all the treatments of varieties were harvested separately based on yield and yield attribution trait, disease and pest reaction.	Kharif	ZAHRS, Brahmavar	Dr. Shridevi A Jakkeral (L) Dr. Revanna Revannavar Dr. K.V. Sudhir Kamath Dr. Lakshmana	continued
1	2	3	4	5	6	7	8	9

Rice	Evaluation of paddy lines for high yielding and resistance to pest /disease	Summer Rice Trial	2020	To study the performance of rice lines with early maturity with high yielding and resistance to pest /disease for the coastal zone	summer	ZAHRS, Brahmavar	Dr. Shridevi A Jakkeral (L) Dr. K.V. Sudhir Kamath Dr. Lakshmana	continued
5. Pulses and Oilseeds								
Local cowpea Avade	For evaluation of Local cowpea accessions for high yielding and resistance to pest / disease	Local cowpea (avade) collection	2019-20	44 local cowpea (avade) collected and evaluated for yield and disease /pest reaction.	Rabi/ Summer	ZAHRS, Brahmavar	Dr. Shridevi A Jakkeral (L) Dr. K.V. Sudhir Kamath Dr. Lakshmana	Continued
MLT Groundnut	To evaluate the elite groundnut genotype for high yield in coastal zone	MLT-Groundnut	Summer 2021	Totally 16 entries were evaluated for high yield in coastal zone	Summer	ZAHRS, Brahmavar	Dr. Shridevi A Jakkeral (L) Dr. K.V. Sudhir Kamath Dr. Lakshmana	2021
Groundnut (station trial)	To know the performance of groundnut varieties for high yield at coastal zone	Groundnut (station trial)	Summer 2021	Design : RCBD No. of Entries : 16 Replications : 2	Summer	ZAHRS, Brahmavar	Dr. Shridevi A Jakkeral (L) Dr. K.V. Sudhir Kamath Dr. Lakshmana	continued
5. Horticulture								
Okra	Spacing distance for Okra	Standardization of plant geometry of okra (<i>Abelmoschus esculentus</i> (L.) Moench) var. White Velvet.	2019-20	Variety: White Velvet (Halu bhendi) Design: RBD Treatments: 8 Replications: 3		ZAHRS, Brahmavar	Mr. Chaitanya H.S Dr. Lakshmana Dr. Dhananjaya.B, Dr. Nagarajappa Adivappar Dr. Naveen N.E.	2020-21

1	2	3	4	5	6	7	8	9
Udupi mallige	Poor rooting of cuttings in Udupi Mallige	Effect of different concentration of growth regulators on rooting of Udupi mallige (<i>Jasminum sambac</i> L. Aiton)	2022	Crop : Jasmine Variety : Aeyaneanum Design: RCBD No. of Treatment: 05 No. of Replication: 04 Treatment Details T1: IBA 1500 PPM T2: IBA 2000 PPM T3: NAA 500 PPM T4: NAA 1000 PPM T5: Keradix Summer, Kharif Observation to be recorded Days taken for sprouting Survival Percentage (%) No. of Buds sprouted/ cutting No. of leaves/ cutting No. of roots/ cutting Length of the roots (cm)		KVK, Brahmavar	Dr. H. S. Chaitanya Dr. Lakshman Dr. Raviraj Shetty	2024
Watermelon	Nutrient management	Standardization of fertigation schedule for watermelon	2021-22	Treatment: 7		ZAHRS, Brahmavar	Dr. Jayaprakash, S.M. Dr. Lakshman Dr. Jayaprakash, R. Dr. Chaitanya, H.S.	2023 – 24
Pineapple	Conservation of all available pineapple variety for table & processing purpose	Collection and evaluation of different types of Pineapple cultivars of coastal zone.	2021	Major details of the experiment: Cultivars to be collected: 10-15 Design :RCBD Replications :5 (50plants in each row) No of plants /Rep : 50		ZAHRS, Brahmavar	Dr. Lakshmana Dr.Chaitanya H.S. Mr. Sandesh H. J.	2024

1	2	3	4	5	6	7	8	9
Ivy gourd	Ivy gourd as an intercrop in cashew orchard	Growth and Yield Performance of Different Varieties of Ivy gourd (<i>Coccinia indica</i>), as an Intercrop in Cashew Based Cropping system	2022	Main Crop: Cashew Intercrops: Ivy gourd Location: ZAHRS, Brahmavar Year of start:2021 Design: RCBD Treatment : 7 Replications: 5 No of plants /Rep: 10		ZAHRS Brahmavar	Dr. Lakshmana Dr. Chaitanya H.S.	2024
Cashew	Cashew apple utilization	Studies on cashew juice blended beverages.	2015	Design:-FCBD	K	AHRS, Ullal	Dr. Lakshmana	
Cashew	Waste of cashew apple	Exploring the Fermented flavoured beverages(wine) from cashew apple juice	2017	Design:-RCBD	K	AHRS, Ullal	Dr. Lakshmana	
Cashew	To compare the best scion viz. vegetative and reproductive scion for grafting cashew	The Performance of cashew propagated by using fruiting and vegetative scion graft plants	2021	Design : RCBD, Treatments : 12 Replications : 5(1plant/replication)		ZAHRS, Brahmavar	Dr. Lakshmana Dr. Chaitanya H.S. Dr. Raviraj Shetty G.	2025
7. Agricultural Implements								
Farm mach	Design of cost effective machine for small scale dehusking	Design & fabrication of manual de-husking machine for dry arecanut	2016	Fabrication of prototype hand/ pedal operated machine to force the dried areca through restricted opening provided with spring mounted peeling		ZAHRS, Brahmavar	Er. V.R. Vinod (L) Dr. Shankar M Dr. Lakshmana	2017

				hooks				
1	2	3	4	5	6	7	8	9
Pepper	Harvesting	Fabrication and Development of a simple device for pepper harvesting	2013	Developing a user friendly ground manipulated pepper harvesting	Kharif/ Rabi	ZAHRS, Brahmavar	Er. V.R. Vinod (L) Dr. Shankar M Dr. Lakshmana	2016
Waste water treatment	Gray Waste water treatment	“Standardization of Home scale gray waste water treatment from kitchens for recycling purpose”	2018	Non Replicated , Oil and fat separation, Oxygenating, Phosphate absorption Mosquito control	K/R/S	ZAHRS, Brahmavar	Er. V.R. Vinod (L) Dr. Shankar M Dr. Lakshmana	2020
Agril. Engg.	Jack fruit de-skinning	Design of a new sickle for jackfruit peeling	2018	Design of a new cutting edge with fruit skin lifting projection would be designed and testes		ZAHRS, Brahmavar	Er. V.R. Vinod (L) Dr. Shankar M Dr. Lakshmana	2019
Agril. Engg.	Green house	Studies on green house environment as influenced by the types at Brahmavar condition of coastal zone	2021	5 Types of existing green house structures parameters to psychrometric parameter	S	ZAHRS, Brahmavar	Er. V.R. Vinod (L) Dr. Shankar M	2021
Winnower	Portable winnower operated by power tillers	42.9 Design and development of portable winnower operated by power tillers	2012	Design and development of portable winnower operated by power tillers. Performance evaluation Its evaluation over existing tractor/electric winnower	K/R/S	ZAHRS, Brahmavar	Dr. M. Shankar, Er. V.R. Vinod, Dr.B. Dhananjaya, K.V. Sudhir Kamath Dr. Sharanappa J. Mrs. Vidyashree S.M.	2013
Coconut	Agrobots	Design and Development of coconut climbing and harvesting robot.	2015	Design and fabrication of Robotic harvester for coconut	K/R/S	ZAHRS, Brahmavar	Er. Shankar(L) Mr. V. R. Vinod Dr. K.V. S. Kamath Dr. Sharanappa J. Mrs. Vidyashree S.M.	
Black gram	Black gram Harvesting	Design and development of Black gram Harvesting machine	2017	T1 = Traditional Method. T2 = Developed Prototype		ZAHRS, Brahmavar	Dr. Shankar Er. V.R. Vinod. Dr. Sharnappa	2018-19

							Jangandi Mrs. Vidyashree S.M.	
1	2	3	4	5	6	7	8	9
Coconut	Coconut Dehusking	Redesign and development of Mechanized Coconut Dehusker (Specially for Mite Infected coconut)	2017	T1 = Traditional method of Dehusking. T2 = Developed prototype. T3 = Foot operated dehusker. T4 = Hand operated dehusker		ZAHRS, Brahmavar	Dr. Shankar Er. V.R. Vinod. Dr. K.C. Shashidhar Dr. Sharanappa J. Mrs. Vidyashree S.M.	2018-19
Farm mach	Cashew defruiting	Design & development of cashew de-fruiting machine	2016	Designing, fabrication and evaluation of cashew de- fruiting machine.		ZAHRS, Brahmavar	Dr. M. Shankar Mr. V.R. Vinod. Dr. Sharanappa J. Mrs. Vidyashree S.M.	2018
Farm mach	Tractor drawn elevators for Areca and Coconut harvesting.	Design & development of tractor drawn elevator	2016	Design & development of Tractor drawn elevators for Areca & Coconut harvesting. and evaluation of the developed prototype		ZAHRS, Brahmavar	Dr. M. Shankar Mr. V.R. Vinod. Dr. Sharanappa J. Mrs. Vidyashree S.M.	2018
Farm mach	Design & development of low cost paddy nursery raising equipment.	Design & development of low cost paddy nursery raising equipment.	2016	Design & development of low cost manual paddy nursery raising equipment and its Evaluation		ZAHRS, Brahmavar	Dr. M. Shankar Mr. V.R. Vinod. Dr. Sharanappa J. Mrs. Vidyashree S.M.	2018
Farm mach.	Design & development of power tiller drawn Bund maker	Design & development of power tiller operated bund maker	2016	Design & development of power tiller drawn Bund maker and its evaluation of developed		ZAHRS, Brahmavar	Dr. M. Shankar Mr. V.R. Vinod. Dr. Sharanappa J. Mrs. Vidyashree S.M.	2018
Farm mach	Design & development of power tiller operated GN Digger	Design & development of power tiller operated GN Digger	2016	Design & development of power tiller operated GN Digger and its evaluation		ZAHRS, Brahmavar	Dr. M. Shankar Mr. V.R. Vinod. Dr. Sharanappa J. Mrs. Vidyashree S.M.	2018
Farm mach	Design & development of Two row paddy	Design & development of two row paddy	2016	Design & development of Two row paddy transplanter		ZAHRS, Brahmavar	Dr. M. Shankar Mr. V.R. Vinod.	2017

	transplanter	transplanter		and its Evaluation			Dr. Sharanappa J. Mrs. Vidyashree S.M.	
1	2	3	4	5	6	7	8	9
Farm mach	Design & development of Multi blade weed cutting machine	Design & development of multiblade weed cutting machine	2016	Design & development of Multi blade weed cutting machine and its evaluation		ZAHRS, Brahmavar	Dr. M. Shankar Mr. V.R. Vinod. Dr. Sharanappa J. Mrs. Vidyashree S.M.	2017
Cashew	Harvesting Techniques	To design the harvesting techniques of cashew in cashew orchards	2018-20	T1= Existing method T2: Developed techniques		ZAHRS, Brahmavar	Dr. Shankar Er. V.R. Vinod Dr. Sharanappa J. Smt. Vidyashree S.M.	2020
8. Social Science								
ITKs	Local technology	45.11 A study on documentation of ITKs adopted by coastal farmers	2009	Data will be collected using structured schedule and the information will be collected	K/R/S	DK and Udupi district	Dr. B. Dhananjaya (L) Dr. K.V. Sudhir Kamath Er. V.R. Vinod Dr. Mohanakumara V.	Long term
Cashew	Improvement of cashew cultivation practices	45.15 Capacity building programmes for adopting the technology in cashew	2013	To train the farmers regarding new technologies. To arrange exposure visits to Research stations, processing units and progressive farmers fields.	K/R/S	ZAHRS, Brahmavar	Dr. Dhananjaya B. (L) Dr. K. V. S. Kamath Dr. Lakshmana Dr. Chaithanaya H.S. Dr. Mohanakumara V.	2018-19
Organic Farming Survey	Livelihood Status of Organic Farmers of Udupi District	Impact of Organic Farming on Livelihood Status of Organic Farmers of Udupi District	2021-22	Design of the experiment: Expost facto No. of treatment proposed: 2 60 organic farmers 60 Inorganic farmers		ZAHRS, Brahmavar	Dr. Dhananjaya B. Dr. Mohanakumara V. Dr. Lakshman Dr. Sudheer Kamath	2021-22
Coffee	Evaluation of attractants for ants to manage coffee stem borer	Evaluation of ant attractants in Arabica coffee plantation	2022	T1: Vegetable oil T2: Jaggery T3: Vegetable oil+Jaggery T4: Vegetable oil+ragi flour+Jaggery T5: Vegetable oil+ragi		COH, Mudigere	Dr. Revanna Revannavar Dr Narayana Mavarkar Dr. Bharath Kumar	2023

				flour+Lime+Jaggery T6: Control				
1	2	3	4	5	6	7	8	9
10. NF Trials								
Rice-groundnut-B.gram	Validation of ZBNF practice	Operational research project on “Evaluation on different cultivation practices in Rice based cropping systems”	2019	Treatments: 4 1. Zero Budget Natural Farming (ZBNF) 2. Organic Farming (OF) 3. Package of Practice (POP) 4. Farmers Practice (FP) Design: RCBD Replications: 5	K/R/S	ZAHRS, Brahmapur	Dr. Sudhir Kamath Dr. Lakshmana Dr. Dhananjaya B. Mr. Jayaprakash S.M. Mr. Chaithanya H.S. Dr. Naveen N.E.	2022
Areca nut	Validation of ZBNF practice	Operational research project on “Evaluation on different cultivation practices in Areca nut based cropping systems”	2019	Treatments: 4 1. Zero Budget Natural Farming (ZBNF) 2. Organic Farming (OF) 3. Package of Practice (POP) 4. Farmers Practice (FP) Design: RCBD Replications: 5	K/R/S	ZAHRS, Brahmapur	Dr. Sudhir Kamath Dr. Lakshmana Dr. Dhananjaya B. Mr. Jayaprakash S.M. Mr. Chaithanya H.S. Dr. Naveen N.E.	2022
coconut	Validation of ZBNF practice	Operational research project on “Evaluation on different cultivation practices in coconut based cropping systems”	2019	Treatments: 4 1. Zero Budget Natural Farming (ZBNF) 2. Organic Farming (OF) 3. Package of Practice (POP) 4. Farmers Practice (FP) Design: RCBD Replications: 5	K/R/S	ZAHRS, Brahmapur	Dr. Sudhir Kamath Dr. Lakshmana Dr. Dhananjaya B. Mr. Jayaprakash S.M. Mr. Chaithanya H.S. Dr. Naveen N.E.	2022
Brinjal (Mattu Gulla)”	Validation of ZBNF practice	Operational research project on “Evaluation on different cultivation practices in Brinjal (Mattu Gulla)”	2019	Treatments: 4 1. Zero Budget Natural Farming (ZBNF) 2. Organic Farming (OF) 3. Package of Practice (POP) 4. Farmers Practice (FP)	R/S	ZAHRS, Brahmapur	Dr. Sudhir Kamath Dr. Lakshmana Dr. Dhananjaya B. Mr. Jayaprakash S.M. Mr. Chaithanya H.S. Dr. Naveen N.E.	2022

				Design: RCBD Replications: 5				
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1	2	3	4	5	6	7	8	9
Jasmine	Validation of ZBNF practice	Operational research project on “Evaluation on different cultivation practices in Udupi Jasmine”	2019	Treatments: 4 1. Zero Budget Natural Farming (ZBNF) 2. Organic Farming (OF) 3. Package of Practice (POP) 4. Farmers Practice (FP) Design: RCBD Replications: 5	K/R/S	ZAHRS, Brahmavar	Dr. Sudhir Kamath Dr. Lakshmana Dr. Dhananjaya B. Mr. Jayaprakash S.M. Mr. Chaithanya H.S. Dr. Naveen N.E.	2022
Cashew nut	Validation of ZBNF practice	Operational research project on “Evaluation on different cultivation practices in Cashew nut”	2019	Treatments: 4 1. Zero Budget Natural Farming (ZBNF) 2. Organic Farming (OF) 3. Package of Practice (POP) 4. Farmers Practice (FP) Design: RCBD Replications: 5	K/R/S	ZAHRS, Brahmavar	Dr. Sudhir Kamath Dr. Lakshmana Dr. Dhananjaya B. Mr. Jayaprakash S.M. Mr. Chaithanya H.S. Dr. Naveen N.E.	2022

AHRS, Ullal

Crop/ Subject	Problem being investigated	Title of the experiment	Year of start	Experimental details indicating broadly treatments, methodology,	Centers proposed	Name of the leader and Collaborator	Expected Year of completio
1	2	3	4	5	7	8	9
Cashew	High yielding variety and Diseases resistance cashew variety	Evaluation on indigenous / exotic types of Cashew for Improvement of cashew nut.	2004	Design:-RCBD	AHRS, Ullal	Dr. Raviraja Shetty G. Dr. Lakshmana	Long term
Cashew & Pepper	Extra income& Disease Tolerances	Studies on growth and yield performance of pepper as mixed / inter crops in cashew	2015	Design:-RCBD	AHRS, Ullal	Dr. Raviraja Shetty G. Dr. Lakshmana	-
Bush pepper	1. To study the effect of media and PGPR on rooting of stem cuttings in bush pepper 2. Cost economics of production of planting material in Bush pepper	Effect of media and PGPR on rooting of cuttings and survival rate in Bush pepper	2022 Rabi	Effect of media and PGPR on rooting of cuttings Design and layout of experiment Number of treatments: 8 Number of replication: 4 Design: CRD Treatment details T ₁ Red soil + Sand + FYM (1:1:1) T ₂ Red soil + Sand + Vermicompost (1:1:1) T ₃ Red soil + Sand + Coco peat (1:1:1) T ₄ Red soil + Sand + Coir pith (1:1:1)	COH, Mudigere	Dr.Raviraj Shetty G Dr Lakshmana Dr. Chaithanya H S	2022-23

				<p>T₅ Red soil + Sand + FYM (1:1:1) + VAM + PSB + <i>Pseudomonas fluorescens</i></p> <p>T₆ Red soil + Sand + Vermi compost (1:1:1) + VAM + PSB + <i>Pseudomonas fluorescens</i></p> <p>T₇ Red soil + Sand + Coco peat (1:1:1) + VAM + PSB + <i>Pseudomonas fluorescens</i></p> <p>T₈ Red soil + Sand + Coir pith (1:1:1)+ VAM + PSB + <i>Pseudomonas fluorescens</i></p> <p>2. Cost economics of production of planting material in Bush pepper</p>			
Turmeric	<p>To study the growth and yield of different cultivars of turmeric under cashew plantation</p> <p>2. To assess the quality parameters of turmeric</p> <p>3. To identify best cultivar of turmeric as intercrop under cashew plantation</p>	Performance of Turmeric (<i>Curcuma longa</i> L.) cultivars under Cashew Plantation	2021	<p>Statistical design : RCBD</p> <p>No. of replications : 03</p> <p>No. of genotypes : 10</p> <p>Treatments 10</p> <p>Replications 3</p> <p>Objectives</p> <p>1.To study the growth and yield of different cultivars of turmeric under cashew plantation</p> <p>2. To assess the quality parameters of turmeric</p> <p>3. To identify best cultivar of turmeric as intercrop under cashew plantation</p> <p>Treatments</p> <ol style="list-style-type: none"> 1. Kanti 2. Varna 3. Shobha 4. Sona 5. Alleppy 6. Cudappa 7. Rajapuri 	AHRS, Ullal	Dr. Raviraja Shetty G. Dr. Lakshmana	2023

				8. Salem 9. Prathibha 10. Prabha			
1	2	3	4	5	7	8	9
<i>Rauvolfia tetraphylla</i>	1. Standardization of seed propagation techniques 2. Standardization of vegetative propagation techniques 3. To work out the cost economics of production of planting material in Sarpagandha	Enhancement of seed germination and rooting of cuttings in <i>Rauvolfia tetraphylla</i>	2022 -23	Treatments: 8; Replications: 3 Design: CRD Treatment Details: T ₁ - Control T ₂ - water soaking T ₃ - GA ₃ 100 ppm T ₄ - GA ₃ 150 ppm T ₅ - HCl 0.5 % T ₆ - HCl 1.0 % T ₇ - KNO ₃ 1.0 % T ₈ - KNO ₃ 1.5 % Treatments: 10 Replications: 3 Design: FCRD Treatment Details: T1- Control T2 - NAA 100 ppm T3 - NAA 200 ppm T4 - NAA 300 ppm		Dr. Raviraj G. Shetty Asst. Prof and Head HRS, Ullal	2024

Farm Trials (continued)

Name of the Scientist	Crop & Zone	Technology	Locations	No. of trials	Remarks
Dr. Sridevei A.Jakkeral	Rice; Zone-10	BMR-US-1-24-2 (mid lands) Vs MO-4 Summer	KVK-Brahmavara-2, KVK-Mangalore-2 JDA-Mangalore-2, JDA-Udupi-2 ARS-Ponnampet-1 (Disease & Pest)	9	Accepted & Continued during 2022-23