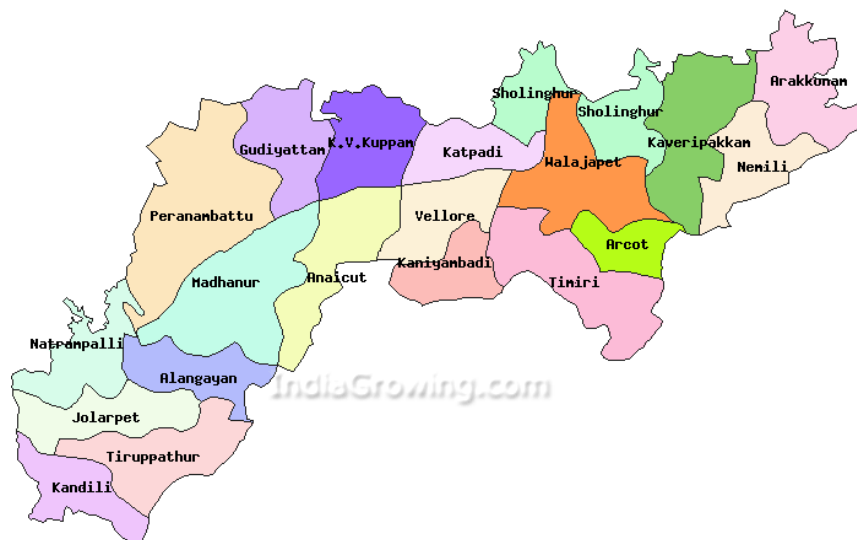


**ZONAL PROJECT DIRECTORATE – ZONE X HYDERABAD
ICAR- KVK VELLORE - ACTION PLAN 2018 - 19**

1. General information about the Krishi Vigyan Kendra

1.1	Name and address of KVK with Phone, Fax and e-mail	ICAR - Krishi Vigyan Kendra, Tamil Nadu Agricultural University, Virinjipuram-632 104, Vellore District. Phone: 0416-2914453 / 2273221 E-mail: kvkvrinjipuram@tnau.ac.in
1.2	Website address of KVK	www.kkvvellore.org

VELLORE DISTRICT MAP



1. Details of technological interventions

2.1 Technology Assessment

S. No	Crop/ enterprise	Title of intervention	Technology options	No. of trials	Total cost for the intervention (Rs.)	Team members involved
1.	Greengram	Assessment of high market value greengram varieties in Vellore district	<u>Option: 1</u> VRM GG 1	5	6000	Dr. P.Veeramani SMS (Agronomy) Dr. G.Anand SMS (Agrl. Extension) Dr. M.Ramya Training Assistant (Agrl. Entomology)
			<u>Option: 2</u> CO 8			
			<u>Option: 3</u> WGG – 42			
2.	Bengalgram	Assessment of bengal gram varieties in tribal areas of Vellore district	<u>Option: 1</u> CO 4	5	22500	Dr. P.Veeramani SMS (Agronomy) Dr. M.Ramya Training Assistant (Agrl. Entomology)
			<u>Option: 2</u> GBM -2			
			<u>Option: 3</u> ICCV 05106			
3.	Farm Mechanization	Assessment of mechanized finger millet transplanting using mechanical paddy transplanter	<u>Option: 1</u> Manual preparation of nursery and manual transplanting by labours <u>Option: 2</u> Preparation of finger millet tray nursery and transplanting using paddy transplanter	5	30550	Dr.S. Jousha Davidson Programme Coordinator Dr. P.Veeramani SMS (Agronomy) Dr. G.Anand SMS (Agrl. Extension)
4.	Red gram	Assessment of short duration Red gram varieties for rainfed condition in Vellore	<u>Option: 1</u> LRG 41	5	10400	Dr. G.Anand SMS (Agrl. Extension) Dr. P.Veeramani SMS (Agronomy) Dr.S. Jousha Davidson Programme
			<u>Option: 2</u> CO (RG) 7			
			<u>Option: 3</u> Pusa Arhar 16			

		District				Coordinator
5.	Little millet	Assessment of little millet varieties for hilly tract of Vellore District	<u>Option: 1</u> CO – 4 <u>Option: 2</u> DHLM-36 <u>Option: 3</u> GV 2	5	4000	Dr. G.Anand SMS (Agrl. Extension) Dr. P.Veeramani SMS (Agronomy)
6.	Mango	Assessment of Bio agents for the management of Mango hoppers	<u>Option: 1</u> Spray two rounds of acephate 75 SP@ 1g/lit <u>Option: 2</u> Spraying 3 per cent neem oil <u>Option: 3</u> Application of bio-agents, <i>Metarhizium anisopliae</i> @ 1×10^8 cfu/ml on tree trunk once during off season and twice at 7 days interval during flowering season.	5	14000	Dr. B.K.Savitha SMS (Horticulture) Dr. M.Ramya Training Assistant (Agrl. Entomology)
7	Livestock - cattle	Assessing the management of hormonal imbalance in crossbred infertile cows of Vellore district	<u>Option: 1</u> Infertile cow- Continuous Artificial Insemination <u>Option: 2</u> Intravaginal insertion of hormonal sponge (Progesterone) <u>Option: 3</u> External Application of Progesterone- Nano Cream	6	7200	Dr. M.Ramasamy SMS (VAS) Dr. G.Anand SMS (Agrl. Extension) Dr.S. Jousha Davidson Programme Coordinator
8	Poultry egg hatching	Assessment of hatchability of eggs of native chicken breeds for chicks	<u>Option: 1</u> Eggs of Native Breed <u>Option: 2</u> Eggs of Gramapriya breed	3	15000	Dr. M.Ramasamy SMS (VAS) Dr. P.Veeramani SMS (Agronomy) Dr.S. Jousha Davidson

		production in Vellore District	<u>Option: 3</u> Eggs of TANUVAS Aseel			Programme Coordinator
9	Value addition	Assessment of Brown Rice Cookies and Millet Cookies to alternate Gluten Allergy	<u>Option: 1</u> Traditional practice refined wheat flour <u>Option: 2</u> Brown rice cookies <u>Option: 3</u> Millet cookies	5	12000	Dr.K.P.Sivakumar SMS (Food Science) Dr. B.K.Savitha SMS (Horticulture)

ABSTRACT (OFT)

1. No of OFTs	-	09
2. No of Trials	-	44
3. Total Amount	-	Rs. 1,21,650

Frontline Demonstrations

S. No.	Crop/enterprise	Prioritized problem	Technology to be demonstrated	Area (ha)/Units	No. of Demo	Total cost for theDemo (Rs.)	Team members involved
1.	Redgram	<ul style="list-style-type: none"> • Long duration (190-200 days) • Low productivity and more flower drop in LRG41 and admixtures • The yield gap is 18 to 23 	Demonstration of Medium Duration Red gram Variety LRG 52 in Vellore district	4	10	14000	Dr. P.Veeramani SMS (Agronomy) Dr. G.Anand SMS (Agrl. Extension) Dr.S. Jousha Davidson Programme Coordinator
2.	Cowpea	<ul style="list-style-type: none"> • Low productivity and yield gap is 26 to 28%. 	Demonstration of ICM in Cowpea	4	10	11000	Dr. P.Veeramani SMS (Agronomy)

		<ul style="list-style-type: none"> • Non availability of high yielding varieties • Non availability of mosaic virus resistant variety 	variety VBN 3				Dr. M.Ramya Training Assistant (Agrl. Entomology)
3.	Rice	<ul style="list-style-type: none"> • Soil Salinity (> 3.2 dSm⁻¹) • Low Yield (YG: 32-36 %) • Poor Tillering (Avg -11 – 13 Nos.) • Poor establishment rate 	Demonstration of Rice Dhan-39 variety for salinity affected areas of Vellore district	4	10	14000	Dr. G.Anand SMS (Agrl. Extension) Dr. P.Veeramani SMS (Agronomy)
4.	Barnyard millet	<ul style="list-style-type: none"> • Low Yield (YG 27 %) • Non Availability of new HYV 	Demonstration of Barnyard millet variety MDU-1 through cluster mode in tribal areas of Vellore district	4	25	10000	Dr. G.Anand SMS (Agrl. Extension) Dr. P.Veeramani SMS (Agronomy)
5.	Turmeric	<ul style="list-style-type: none"> • Rhizome rot 26.5 to 38.7 % • Yield reduction 20.3 -25.7 % Indiscriminate use of fungicides Spoiled soil ecosystem 	Demonstration of bio-inoculam potential for the sustainable management of rhizome rot in turmeric	4	10	15000	Dr. B.K.Savitha SMS (Horticulture) Dr. P.Veeramani SMS (Agronomy) Dr.S. Jousha Davidson Programme Coordinator
6.	Chilli	<ul style="list-style-type: none"> • Low Yield (YG 20 %) 	Demonstration of ICM practices in chilli	4	10	17,050	Dr. B.K.Savitha SMS (Horticulture) Dr. G.Anand SMS (Agrl. Extension)

7	Livestock Cattle	<ul style="list-style-type: none"> Contamination of milk. Spray of Hit, BUTOX, Cybermethrin Indiscriminate use of antibiotic and antifungal chemicals for treating wound. 	Demonstration of non-toxic, biodegradable wound healer for dairy cows	40 Animala	20	8000	Dr. M.Ramasamy SMS (VAS) Dr. G.Anand SMS (Agrl. Extension) Dr. P.Veeramani SMS (Agronomy)
8	Livestock Cattle	<ul style="list-style-type: none"> Economic loss due to higher cost of treatment for mastitis. Loss of udder function led to culling of valuable milch animals No measures for prevention & detection of subclinical mastitis. Incidence of Subclinical Mastitis is 18 % 	Demonstration of detection and prevention of Subclinical Mastitis in Crossbred Cows	20 Animala	10	6000	Dr. M.Ramasamy SMS (VAS) Dr. G.Anand SMS (Agrl. Extension) Dr. P.Veeramani SMS (Agronomy)
9	Value addition	<ul style="list-style-type: none"> Less farm price Low consumption of millets Lack of knowledge about minor millet value addition 	Demonstration on processing of millet fruit bar	-	10	4600	Dr.K.P.Sivakumar SMS (Food Science) Dr. B.K.Savitha SMS (Horticulture)
10	Value addition	<ul style="list-style-type: none"> Addition of high calorific ingredients High concentration of fat and carbohydrates 	Demonstration of low fat minor millet based ice cream	-	5	13500	Dr.K.P.Sivakumar SMS (Food Science) Dr.S. Jousha Davidson Programme Coordinator

ABSTRACT (FLD)

1. No of FLDs	-	10
2. No of Demonstrations	-	120
3. Total Amount	-	Rs. 1,19,150

3. Target for mandated activities for the year 2018-19

S.No.	Activities	Target (2018-19)
1.	On- farm trials (No. of technologies)	09
2.	Frontline Demonstrations (No.)	11
3.	Training of Farmers (Participants) Nos.	1150
4.	Training of Extension Personnel (Participants in Nos.)	350
5.	Participants in Extension activities (in lakh)	2.5
6.	Production of Seed (in quintal)	10.0
7.	Planting material (Nos.)	15000
8.	Live-stock strains/ fingerlings (Nos)	250
9.	Kisan Mobile Advisory (KMA) (lakh farmers)	0.20
10.	Soil sample Testing (samples in Nos)	700
	Water sample Testing (samples in Nos)	450

4. Special Activities (NMOOP, NFSM, Skill Development, FFS, IFS, EDP etc.)

Activity or Programme	Physical details (no. of programmes, participants, area etc.)	Financial outlay (Rs.lakh)	Team members involved
NFSM – Cluster Frontline Demonstrations on Pulses			
CFLD pulses	10 ha	0.72	Dr. P.Veeramani
NMOOP - Cluster Frontline Demonstrations on Oilseeds			
CFLD oilseeds	20 ha	2.0	Dr. G.Anand
IFS	4 Nos	0.50	All SMSs
EDP Value Addition Of Mango	1 No	0.30	Dr. K.P.Sivakumar

5. Externally funded Activities (continuing / expected during 2018-19):

S.No.	Name of the agency / scheme	Name of activity	Technical programme with quantification	Financial outlay (Rs.)	Names of the team members involved
1	ICAR	PPV & FRA	1	40,000	Dr.S.Joshua Davidson
2	ICAR	World Soil Health Day	1	10,000	Dr.G.Anand
3	ICAR	Clean India Mission	1	25,000	Dr. P. Veeramani
4	ICAR	NMOOP CFLD Oilseeds	1	3,00,000	Dr.K.P.Sivakumar
5	ICAR	NFSM CFLD Pulses	1	1,75,000	Dr.M.Ramasamy
					Dr.B.K.Savitha

6. Budget Estimate for 2018-19

S. No.	Particulars	BE 2018-19 (Rs.in lakhs)
I	Cost of personnel	
1	Pay & Allowances	100
2	Traveling allowances	1.25
II	Recurring Contingencies	
1	Stationery, telephone, postage and other expenditure on office running, publication of Newsletter and library maintenance (Purchase of News Paper & Magazines)	5.25
2	POL, repair of vehicles, tractor and equipments	
III	Technical Programme	
1	Meals/refreshment for trainees (ceiling upto Rs.40/day/trainee be maintained)	
2	Training material (posters, charts, demonstration material including chemicals etc. required for conducting the training)	
3	Frontline demonstration except oilseeds and pulses (minimum of 30 demonstration in a year)	
4	On farm testing (on need based, location specific and newly generated information in the major production systems of the area)	7.50
5	EDP	
6	Special programme	
7	Integrated Farming System (IFS)	
8	Training of extension functionaries	
9	Extension activities	
10	FFS	
IV	Soil Health Lab	
V	Non Recurring Contingency	0
	GRAND TOTAL	114.0

**Programme Coordinator
KVK, Virinjipuram**

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