

**PROCEEDINGS OF TWELFTH JOINT AGRESKO MEETING OF
NAVSARI AGRICULTURAL UNIVERSITY HELD ON 22nd MARCH, 2016**

Venue : Sardar Smruti Kendra Hall , NAU, Navsari **Time:** 9:00 a.m. onwards

Chairman: Dr. C. J. Dangaria, Hon'ble Vice-Chancellor, NAU, Navsari.

Co-Chairman: Dr. A. N. Sabalpara, Director of Research & Dean, P.G. Studies, NAU, Navsari.

Rapporteur : 1. Dr. J J Pastagia, Programme co-ordinator, KVK Surat.
2. Dr. D A Chauhan, Asso Res Sci, Pulses and Castor Res st.

The 12th Joint Agresko meeting of NAU was commenced with the welcome addressed by Dr. K. A. Patel, Associate Director of Research, NAU, Navsari who welcomed Hon'ble Vice-Chancellor, Director of Research, Deans, Conveners, Professors and Scientists. Thereafter, Dr. A.N. Sabalpara, Director of Research and Dean PG Studies, NAU, Navsari gave brief account of research resume of different Agresko Sub-committees and appreciated the efforts made by scientists for bringing out more number of varieties and useful recommendations for farmers as well as scientific community. He specifically mentioned about the new technical programmes on different aspects as per farmers and market demand.

Dr. B. G. Solanki, (Convener, Crop Improvement), Dr. J. G. Patel, (Convener, NRM), Dr. B. R. Parmar (Convener, Horti & Forestry), Dr. Z. P. Patel, (Convener, Plant Protection), Dr. N.M. Shah, (Convener, Agril. Engineering), Dr. R M Patel, (Convener, Basic Science), Dr. Narendrasingh, (Convener, Social Science), Dr. R. M. Patel, (Convener, Animal Health) and Dr. V. B. Kharadi, (Convener, Animal Production) had presented their proceeding of respective discipline before the house. All the recommendations presented by different conveners were thoroughly screened by the house and approved with some suggestions. The proceeding is given in tabular form as under:

12.1 CROP IMPROVEMENT

No.	Title	Suggestions	Action to be taken by
Recommendation for Farmers			
Centre : MCRS, NAU, Surat			
12.1.1	Proposal of G. Cot. Hy. 10 BG-II (Endorsement) Cotton	Accepted	Research Scientist (Cotton), MCRS, NAU, Surat
12.1.2	Proposal of G. Cot. Hy. 12 BG-II (Endorsement) Cotton	Accepted	Research Scientist (Cotton), MCRS, NAU, Surat
12.1.3	Release proposal of GISV 272 (Irrigated) GN Cot. 24 , Cotton	Accepted	Research Scientist (Cotton), MCRS, NAU, Surat
12.1.4	Release proposal of GBHV 170 (Rainfed) GN Cot. 26 , Cotton	Accepted	Research Scientist (Cotton), MCRS, NAU, Surat
Centre : MRRC, NAU, Navsari			
12.1.5	NVSR-6137 (GNR-5) Rice	Accepted	Assoc. Res. Scientist, MRRC, NAU, Navsari
Centre : RRRS, NAU, Vyara			
12.1.6	NVSR-2031 (GNR-6) Rice	Accepted	I/c. Assoc. Res. Scientist, RRRS, NAU, Vyara
12.1.7	NVSR-H-1003 (GNRH-1) Rice	Accepted	I/c. Assoc. Res. Scientist, RRRS, NAU, Vyara
Centre : Main Sugarcane Research Station, NAU, Navsari			
12.1.8	CoN 9072 (GNS-9) Sugarcane	Accepted	Assoc. Res. Scientist, Main Sugarcane Research Station, NAU, Navsari
Centre : Pulse and Castor Project, NAU, Navsari)			
12.1.9	NCH-1 (GNCH-1) Rabi Castor	Accepted	Asst. Res. Sci., Pulse and Castor Project, NAU, Navsari)
12.1.10	BP-06-33 (GNP-2) Pigeon pea	Accepted	Assoc. Res. Sci., Pulse and Castor Project, NAU, Navsari
Centre : ACHF, NAU, Navsari			
12.1.11	CIP-440127 (Bhukanti) Sweet Potato	Accepted	Assoc. Professor, ACHF, NAU, Navsari
Centre : HMRS, NAU, Waghai			
12.1.12	WWN-25 (GNN-7) Finger Millet	Accepted	Assoc. Res. Sci., HMRS, NAU, Waghai

12.1.13	WV-125 (GNV-3) Small Millet	Accepted	Assoc. Res. Sci., HMRS, NAU, Waghai
Centre : MSRS, NAU, Surat			
12.1.14	SR-2917 (GNJ-1) Sorghum	Accepted	I/c. Res. Scientist, MSRS, NAU, Surat
Centre : NRS, NAU, Vanarasi			
12.1.15	NRS-1304 (GIRA) Niger	Accepted	Asst. Res. Scientist, NRS, NAU, Vanarasi)
Centre : Prof. and Head, NAU, Navsari)			
12.1.16	NVST-64 (Pitambari) Turmeric	Accepted	I/c. Prof. and Head, NAU, Navsari)
ACHF, NAU, Navsari			
12.1.17	NSRP-1 (GNB-1) Brinjal	Accepted	Assoc. Professor, ACHF, NAU, Navsari)
General suggestions:			
<ul style="list-style-type: none"> • Give the silent features of the variety/hybrids • Prepare recommendation in a paragraph 			
List of the new technical programme proposed for the year of 2016-17			
Centre:- Research Scientist (Cotton), NAU, Surat (Cotton)			
	Title and Suggestions	Action to be taken by	
12.1.18	Exploration of cotton germplasm for various characters from Gujarat	Research Scientist (Cotton), NAU, Surat	
12.1.19	Study of Bt proteins expression in cotton hybrids with different categories of parents	Research Scientist (Cotton), NAU, Surat	
Centre:- Associate Research Scientist (PB), MRRC, NAU, Navsari (Rice)			
12.1.20	Induction of salt tolerance in rice by mutagenesis	Associate Research Scientist (PB), MRRC, NAU, Navsari	
12.1.21	Effect of different priming treatments on seed germination and early growth of rice	Associate Research Scientist (PB), MRRC, NAU, Navsari	
Centre:- Nodal officer & Unit Head, Pulse and Castor Res. Station, NAU, Navsari			
12.1.22	Effect of seed coating polymer on seed quality of cotton	Nodal officer & Unit Head, Pulse and Castor Res. Station, NAU, Navsari)	
12.1.23	Effect of priming on seed germination and seedling vigour of Pigeon pea (in vitro condition)	Nodal officer & Unit Head, Pulse and Castor Res. Station, NAU, Navsari)	
12.1.24	To study the effect of different seed priming treatments on chickpea.	Nodal officer & Unit Head, Pulse and Castor Res. Station, NAU, Navsari)	
Centre:- : Professor & Head, Dept. of Genetics and Pl. Breeding, NMCA, Navsari			
12.1.25	Improvement in yield and quality parameters in turmeric (<i>Curcuma longa</i> L.) through mutagenesis	Professor & Head, Dept. of Genetics and Pl. Breeding, NMCA, Navsari)	

Centre:- Professor & Head, Dept. of Genetics and Pl. Breeding, Co. of Agri., Bharuch		
12.1.26	Exploitation of genomic resources to developed biofortified pigeon pea Suggestion: Write Phytic acid instead of Folic acid.	Professor & Head, Dept. of Genetics and Pl. Breeding, Co. of Agri., Bharuch
Centre:- Asso. Research Sci. (PB), Hill Millet Research Station, Waghai		
12.1.27	Evaluation of promising genotypes of Finger millet (<i>Eleusine coracana</i> L.) developed through gamma rays induced mutation	Asso. Research Sci. (PB), Hill Millet Research Station, Waghai
Centre:- Asso. Research Sci. (PB), NRS, Vanarasi		
12.1.28	Collection and evaluation of niger genotypes for seed oil and quality aspects	Asso. Research Sci. (PB), NRS, Vanarasi)
Centre:- Asso. Research Sci. (PB), Hill Millet Research Station, Waghai		
12.1.29	Collection and evaluation of superior cucumber (<i>Cucumis sativus</i> L.) genotypes suitable for cultivation in Southern Gujarat region	Asso. Research Sci. (PB), Hill Millet Research Station, Waghai
12.1.30	Collection, Multiplication and Maintenance of Elephant Foot Yam (<i>Amorphophallus paeoniifolius</i>) germplasm for Evaluation as well as Selection of Superior Genotypes suitable for cultivation in Southern Gujarat region	Asso. Research Sci. (PB), Hill Millet Research Station, Waghai)
Centre:- Assistant Research Scientist, ARS, NAU, Tanchha, Dist: Bharuch		
12.1.31	Selection and development of promising chickpea genotype suitable for cultivation under conserved soil moisture condition	Assistant Research Scientist, ARS, NAU, Tanchha, Dist: Bharuch)
Centre:- Agricultural Research Station, NAU, Tanchha		
12.1.32	Development of molecular markers linked to fragrance in indigenous medium grain aromatic rice genotypes	Agricultural Research Station, NAU, Tanchha

12.2 NATURAL RESOURCES MANAGEMENT

No.	Title	Suggestions	Action to be taken by
Recommendation for Farmers			
Centre : SWMRU,NAU, Navsari			
12.2.1	Effect of irrigation and sulphur levels on yields of cluster bean under South Gujarat condition)	Accepted	Research Scientist, SWMRU,NAU, Navsari
12.2.2	Effect of irrigation and fertilizer levels on yield and quality of sugar beet grown on clay soils of South Gujarat	Accepted with following suggestions: 1. In first line “Write intend to grow” instead of intending sugarcane” 2. Sugarbeet instead of sugar beet 3. Write fertilize 'with' instead of fertilize 'at'	Research Scientist, SWMRU,NAU, Navsari
12.2.3	Comparative performance of water soluble and routinely used fertilizer in banana (cv. Grand Naine) under drip irrigation	Accepted with following suggestions: 1. Mention variety name in recommendation. 2. Remove comma from last line 3. In last change “ for getting higher yield instead of for get higher yield”	Research Scientist, SWMRU,NAU, Navsari
12.2.4	Natural resources characterization in relation to banana growing areas of South Gujarat	Accepted with following suggestion: 1. Write summary of recommendation	Research Scientist, SWMRU,NAU, Navsari
Centre : CSSRS Danti/Umbharat,NAU, Navsari			
12.2.5	Study on effect of land configuration and integrated nutrient management on productivity of different varieties of sorghum (rabi) in coastal area of South Gujarat	Accepted with following suggestion: 1. In first line “Write intend to grow” instead of intending sugarcane”	Research Scientist, SWMRU,NAU, Navsari
12.2.6	Effect of irrigation and date of sowing on seed yield and components of Salicornia (<i>S. brachiata</i> Roxb.)	Accepted	Research Scientist, SWMRU,NAU, Navsari
12.2.7	Effect of manuring in organically grown garlic in coastal area of South Gujarat	Accepted with following suggestion: 1. Write methodology of application.	Research Scientist, SWMRU,NAU, Navsari
Centre : Department of Soil Science, NAU, Navsari			

12.2.8	Effect of land levelling by laser leveller on yield of wheat crop	Accepted with following suggestion: 1. Make it around 15 % instead of 15.4 %.	<i>Research Scientist, Soil Science, NAU, Navsari</i>
12.2.9	Effect of Method and levels of FYM and Bio-compost application on the yield of pigeon-pen cv. Vaishali and soil aggregates under rainfed condition in South Gujarat	Accepted	<i>Research Scientist, Soil Science, NAU, Navsari</i>
Centre : Pulse & Castor Research Satiation, Navsari			
12.2.10	Spacing and nutrient management with and without VAM for greengram cv. Co-4 during rabi season	Accepted	<i>Research Scientist, Pulse & castor Research Satiation, Navsari</i>
Centre : Dept. of Agronomy, NMCA, Navsari			
12.2.11.	Effect of integrated nutrient management in rice-green gram cropping sequence under south Gujarat condition	Accepted	<i>Professor & Head, Dept. of Agronomy, NMCA, Navsari</i>
12.2.12	Effect of cutting management and nitrogen levels on seed production and nutritional value of Lucerne (<i>Medicago sativa L.</i>)	Accepted with following suggestion: 1. In fourth line remove word "also"	<i>Professor & Head, Dept. of Agronomy, NMCA, Navsari</i>
12.2.13	Permanent plot experiment on integrated nutrient supply system in a cereal based crop sequence	Accepted	<i>Professor & Head, Dept. of Agronomy, NMCA, Navsari</i>
12.2.14	Management of cropping systems for resource conservation and climate change	Accepted	<i>Professor & Head, Dept. of Agronomy, NMCA, Navsari</i>
12.2.15	Development of organic farming package for system based high value crops	Accepted	<i>Professor & Head, Dept. of Agronomy, NMCA, Navsari)</i>
Recommendation for Scientist			
Centre : MSRS, Navasri			
12.2.16	Response of sugarcane to different plant nutrients in varied agro ecological situations	Accepted 1. Write experiment output also in nut shell	<i>Research Scientist, MSRS, Navsari)</i>
12.2.17	Priming of cane node for accelerating germination	Accepted with following suggestion: 1. Put in farmers community	<i>Research Scientist, MSRS, Navsari</i>

	Centre :Pulse & Castor Research Satiation, Navsari		
12.2.18	Integrated Weed Management in Castor	Accepted with following suggestion: 1. Put in farmers community after rechecking of best treatment one year data with residue analysis	<i>Research Scientist, Pulse & castor Research Satiation, Navsari</i>
	Centre : Dept. of Agril. Meteorology, MNCA, NAU, Navsari		
12.2.19	Application of Mixed Statistical Distributions in Fitting Rainfall Data of South Gujarat	Accepted	<i>Professor and Head, Dept. of Agril. Meteorology, MNCA, NAU, Navsari</i>
General suggestions :			
Remove the gujarati translation from all scientific recommendations			
	List of the new technical programme proposed for the year of 2016-17		
	Centre : Soil and Water Management Research Unit, NAU, Navsari		
12.2.20	Study on drip system layout for different row spacing of vegetable Indian bean (Var. GNIB-21)		
12.2.21	Response of drip irrigated rabi sorghum to different levels of irrigation and fertigation		
12.2.22	Effect of different levels of irrigation, nitrogen and foliar application of banana sap on drip irrigated sweetcorn and their residual effect on succeeding summer green gram under South Gujarat conditions		
12.2.23	Survey on impact of 'NAUROJI Novel Organic Liquid Fertilizer' indifferent crops of South Gujarat		
	Centre : MRRC, NAU, Navsari		
12.2.24	Soil test based recommendation for targeted yield of rice		
	Centre : CSSRS, Danti/Umbharat		
12.2.25	Influence of soil conditioner and integrated nutrient management on <i>kharif</i> rice and their residual effect on succeeding onion under partially reclaimed coastal salt affected soil		
12.2.26	Effect of land configuration and soil conditioner, integrated nutrient management on growth and yield of radish		
	Centre : Main Sugarcane Research Station, NAU, Navsari		
12.2.27	Scheduling irrigation with mulch under different sugarcane planting methods		
12.2.28	Carbon sequestration assessment in sugarcane based cropping system		
12.2.29	Agronomic performance of elite sugarcane genotypes		
12.2.30	Bio efficacy of herbicides against weeds and its residual effect on sugarcane		
	Centre : Pulses and Castor Research Station, Navsari		
12.2.31	Soil test based fertilizer recommendation for targeted yields of pigeon pea		
12.2.32	Soil test based fertilizer recommendation for targeted yields of Indian bean		

12.2.33	Nutrient management in Indian bean and its ratoon crop sequence
12.2.34	Response of rabi castor to row spacings under different sowing window with or without intercrop of Indian bean var. GNIB-21
	Centre :Hill Millet Research Station Waghai,
12.2.35	Soil test based recommendation for targeted yield of Nagli (Finger millet)
	Centre :Regional Rice Research Station, Vyara
12.2.36	Soil test based fertilizer recommendation for targeted yields of Ground nut
	Centre :Agriculture Research Station, Paria
12.2.37	Intercropping in newly established mango Orchard
12.2.38	Effect of different sowing methods and nutrient management on Indian bean var., NPS-1 (GNIB-21) sown after rice
12.2.39	Scheduling irrigation along with response of mulches in Brinjal
12.2.40	Effect of tillage depth on flowering and fruiting of mango under rainfed agrosystem
12.2.41	Weed control in tomato (<i>Lycopersicon esculentum</i> Mill.) through mulching and herbicides under drip irrigation condition
	Centre : Main Cotton Research Station, Surat
12.2.42	Soil test based recommendation for targeted yield of cotton
	Centre : Main Sorghum Research Station, Surat
12.2.43	Soil test based fertilizer recommendation for targeted yields of sorghum
12.2.44	Weed management in kharif sorghum
	Centre : Agriculture Research Station, Cotton Research Sub-Station, Achhalia
12.2.45	Studies on irrigation scheduling through drip, nitrogen management and mulch in turmeric
	Centre : Agriculture Research Station, Mangrol, Surat
12.2.46	Response of <i>rabi</i> sorghum to anti transparent and mulching along with no. of irrigations according to critical stage approach under south Gujarat condition
12.2.47	Effect of different organic manures and foliar application on chickpea under south Gujarat condition
12.2.48	Study of critical period of crop weed competition in pigeonpea under south Gujarat condition
	Centre : Department of Agronomy, N.M. College of Agriculture, NAU, Navsari
12.2.49	Effect of ZnO nanoparticles on growth, yield and quality of rice
12.2.50	Effect of levels and sources of sulphur application on growth, yield and quality of linseed under South Gujarat condition
12.2.51	Integrated weed management in <i>rabi</i> maize under south Gujarat condition
12.2.52	Integrated weed management in fodder oat under south Gujarat condition
12.2.53	Production potential of fodder maize with different fodder intercrop
12.2.54	Integrated farming system model for marginal farmers of Navsari (Gujarat)
	Centre : Department of Soil Science & Agril. Chemistry, N.M.C.A., NAU, Navsari

12.2.55	Evaluation of different phosphorus management practices in rabi sorghum-summer greengram cropping sequence under south Gujarat condition
	Centre : Agril. Meteorological Cell, Dept. of Agri. Engineering, N.M.C.A., Navsari
12.2.56	Determination of rank correlation for various weather parameter over South Gujarat
	Centre : Department of NRM, ASPEE College of Horticulture and Forestry, NAU, Navsari
12.2.57	Calibration and validation of DSSAT model for sugarcane crop in South Gujarat region.
12.2.58	Seasonal and Diurnal variation of surface ozone at NAU campus.
	Centre : Dept. of Soil Science & Agril. Chemistry, Organic Farming Unit, ACHF, Navsari
12.2.59	Effect of different organic source on yield and quality of sorghum varieties
12.2.60	Effect of liquid manures on growth, yield and quality of green gram under organic farming
	Centre : College of Agriculture, Waghai
12.2.61	Response of little millet (Vari) to organics
12.2.62	Assessment of quality of irrigation water of Dangs district
	Centre : College of Agriculture, Bharuch
12.2.63	Response of cotton to green manuring and different fertility levels under rainfed condition.
12.2.64	Response of sugarcane to tillage and different intercropping system under south Gujarat condition.
12.2.65	Nutrient management in Dill Seed under south Gujarat condition
12.2.66	Evaluation of castor based relay cropping sequences under rainfed condition of south Gujarat
12.2.67	N & P management in kharif sorghum with and without bio organics under south Gujarat conditions
12.2.68	Agroclimatic Approach for Crop Planning
	Centre : Polytechnic in Horticulture, ACHF, Navsari
12.2.69	Effect of tip pruning and foliar application of KNO ₃ on early flowering and yield of mango cv. Kesar

12.3 HORTICULTURE & FORESTRY

No.	Title	Suggestions	Action to be taken by
Recommendation for Farmers			
Centre : Fruit Science			
12.3.1	Effect of heading back and training on growth, flowering, yield and quality in old orchard of mango cv. Rajapuri	Accepted with following suggestion: 1. Marge point 2 and 3	Asso. Res. Sci. RHRS, Navsari
12.3.2	Standardization of organic nutrient schedule in banana cv. Grand Naine	Accepted with following suggestion: 1. Write 'g' instead of write "ml" 2. Instead of "inbetween" write "mean while" 3. Instead of "VAM" write "AM" 4. In last line change word burry instead of buried	Dr. A. N. Patel, Associate Res. Sci. Gandevi
12.3.3	Macro propagation technique for Banana	Accepted with following suggestion: 1. In first line write "The banana growing farmers of Gujarat .." 2. In second line" remove Ecological Situation (AES-III) are advised to produce.." 3. write as in third line This technique saves cost of planting material 4. write as in fourth line - A sucker treated with each AM and <i>Trichoderma Viride</i> @ 30 g/sucker produces maximum 20 plants per sucker within 5-6 months. 5. Instead of "VAM" write "AM"	Dr. A. N. Patel, Associate Res. Sci. Gandevi
12.3.4	Response of different mango cultivars and root stocks to stone grafting techniques	Accepted with following suggestion: 1. Remove word "medium rainfall zone" from recommendation 2. Remove 's' from word "results"	Dr. V. Singh, COA, Bharuch

Centre : VEGETABLE CROPS :			
12.3.5	Proposal for endorsement of orange fleshed sweet potato CIP-440127 (proposed name Bhukanti) Presented in PBG AGRESKO	Accepted	Research Sci. (Veg.) ACHF, Navsari)
12.3.6	Proposal for release of brinjal variety Gujarat Brinjal 1 (GNB 1)	Accepted	Research Sci. (Veg.) ACHF, Navsari)
12.3.7	Effect of different planting material and nitrogen fertilizer on growth and yield of spine gourd cv. Local	Accepted with following suggestion: 1. Change the first line by” Farming community of South Gujarat Heavy Rainfall..” 2. Remove word “cv local” 3. Write agro climatic zone in Gujarati version	Research Sci. (Veg.) ACHF, Navsari)
12.3.8	Standardization of Fertigation and methods of training in cucumber under naturally ventilated polyhouse	Accepted with following suggestion: 1. Change the first line of recommendation “Farmers cultivating parthenocarpic cucumber in naturally ventilated poly house (1000 m ² area) are advised..”	Research Sci. (Veg.) ACHF, Navsari
12.3.9	Site specific nutrient management study of Elephant foot Yam	Accepted with following suggestion: 1. Change the word “higher BCR” with” higher income”	Research Sci. (Veg.) ACHF, Navsari
Centre : NRM			
12.3.10	Feasibility of Papaya banana sugarcane relay cropping under organic farming	Accepted with following suggestion: 1. Correct the spelling of banana variety “ Grand Naine” 2. Correct Sugarcane variety name” CoN 07072” . 3. Write advice instead of adviced	Asso. Professor (NRM), ACHF, Navsari
12.3.11	Evaluation of <i>in situ</i> crop residue management on quality and productivity of banana cultivated under organic farming	Accepted with following suggestion: 1. Correct the spelling of banana variety “ Grand Naine”	Asso. Professor (NRM), ACHF, Navsari

Centre : Floriculture			
12.3.12	Effect of Land configuration and integrated nutrient management on growth, quality and yield of tuberose (<i>Polinathus tuberosa</i> var. Prajwal)	Accepted with following suggestion: 1. Write AES III in italic 2. Remove last line and add up to three years in last line.	Asso.Res. Sci. (Flori.)
12.3.13	Effect of bio-fertilizers and chemical fertilizers on growth and yield of gladiolus cv. Psittacinus Hybrid.	Accepted with following suggestion: 1. Remove word “of” from dose (10 ml /l water)	Principal, Horti. Politech., Navsari
Centre : Post Harvest Technology			
12.3.14	Development of technology for dehydration of onion rings for adoption at commercial scale	Accepted with following suggestion: 1. Mention low temperature range in recommendation	Asso. Proessor (PHT) ACHF, Navsari)
12.3.15	Development of technology for dehydration of okra slices for adoption at commercial scale	Accepted with following suggestion: 1. Remove processors and entrepreneurs in first line. 2. Write full form of KMS 3. Revise Gujarati recommendation	Asso. Proessor (PHT) ACHF, Navsari)
12.3.16	Development of technology for dehydration of cauliflower for adoption at commercial scale	Accepted with following suggestion: 1. Elobarate KMS word 2. Remove can be from recommendation	Asso. Proessor (PHT) ACHF, Navsari)
12.3.17	Development of technology for utilization of banana peel for preparation of seviran	Accepted with following suggestion: 1. Remove can be from recommendation 2. Recast proposal in simple language	Asso. Proessor (PHT) ACHF, Navsari)

12.3.18	Standardization of method for extraction of Noni (<i>Morinda citrifolia</i>) fruit juice	Accepted with following suggestion: 1. Remove can be from recommendation 2. Give process in recipe form 3. Give pasteurization temperature, pressure, time etc. 5. Recast in simple language	Asso. Proessor (PHT) ACHF, Navsari
12.3.19	Standardization of formulations for preparation of noni mango nectar from Noni juice	Accepted with following suggestion: 1. Remove can be from recommendation 2. Give process in recipe form/flow chart 3. Recast in simple language	Asso. Proessor (PHT) ACHF, Navsari)
12.3.20	Evaluation and modification of banana comb cutter	Accepted with following suggestion: 1. Put photograph 2. Mention original equipment and change made in that	Asso. Proessor (PHT) ACHF, Navsari)
12.3.21	Standardization of method for preparation of candy from bitter gourd (<i>Momordica charantia</i> L.)	Accepted with following suggestion: 1 Write as it is recommended to home makers instead of house wives	Asso. Proessor (PHT) ACHF, Navsari)
12.3.22	Effect of different types of processing on the nutritional quality of green gram, kidney bean and chick pea	Accepted with following suggestion: 1. Start the recommendation with Sprouted green gram and chickpea are more... 2. Put data on nutritional value 3. Recast recommendation	FQTL
	Centre : Agroforestry		
12.3.23	Investigation on tree ring analysis (Dendrochronology) to monitor radial growth responses of teak to climate in South Gujarat	Accepted with following suggestion: 1. Remove the sentence "Based on the thirty years of".	Principal, Forestry, Navsari)

12.3.24	Performance of turmeric (<i>Curcuma longa</i>) grown as an intercrop under different tree species in South Gujarat conditions	Accepted with following suggestion: 1. Number of row between trees and spacing should be mentioned	Principal, Forestry, Navsari
12.3.25	Standardization of the recipe for the preparation of candy from the fruits of Palmyra palm	Accepted with following suggestion: 1. Remove the word house wives and write as home makers 2. Remove word can be	Principal, Forestry, Navsari
12.3.26	Standardization of the recipe for the preparation of jam from the fruits of Palmyra palm	Accepted with following suggestion: 1. Give detailed recipe in form of flow chart 2. remove word "can be"	Principal, Forestry, Navsari
12.3.27	Standardization of the recipe for the preparation of jelly from the Neera of Palmyra palm	Accepted with following suggestion: 1. Recast the proposal and remove words house wives, processors and entrepreneurs and write Jelly makers. 2. Give detailed recipe in form of flow chart	Principal, Forestry, Navsari
Centre : Scientific Community			
12.3.28	Effect of different tree species leaf leachate on germination and seedling growth of some vegetable crops	Accepted with following suggestion: 1. Recast and put order of germination.	by Principal, Forestry, Navsari
12.3.29	Investigations on tree-ring analysis (Dendrochronology) to monitor radial growth responses of teak (<i>Tectona grandis</i> L.f.) to climate in South Gujarat	Accepted with following suggestion: 1. Start the recommendation with "The mean ring-width-index chronologies of teak developed for Navsari from AD 1991-2015,.."	by Principal, Forestry, Navsari
General suggestions : Recommendations related to Agri engineering should be presented in concern committee also			

List of the new technical programme proposed for the year of 2016-17	
Centre : ASPEE College of Horticulture and Forestry, Navsari	
12.3.30	Pheno-physiological studies on regular and biennial bearing of mango

12.3.31	Development of meadow orchard in Guava cv. Lalit
12.3.32	Effect of growth hormones on flowering and yield of sapota cv. Kalipatti
12.3.33	Response of media, fertilizer and chemicals application on growth of mango rootstock
12.3.34	Effect of foliar application of fertilizers on yield and quality of sapota cv. Kalipatti under ultra high density plantation
12.3.35	Response of fertilizer application and chemicals on growth ,yield of papaya var. Red lady
12.3.36	Response of paclobutrazole and KNO ₃ on top working mango
12.3.37	Evaluation of different biofertilizer with graded chemical fertilizers for nutrient management in Papaya
12.3.38	Impact of presoaking treatments on germination and growth of mango stone
12.3.39	Response of paclobutrazole on flowering and yield of headed back mango cv. Rajapuri
12.3.40	Effect of organics on productivity and quality of mango cv. Kesar
12.3.41	Effect of husking and presoaking treatments on seed germination and seedling growth of different mango varieties
12.3.42	Effect of different organic sources on yield quality of banana under certified organic farm
12.3.43	To recommend the suitable rootstock for region specific problematic soils
12.3.44	Varietal evaluation of different pineapple varieties under South Gujarat condition
12.3.45	Standardization of stage wise requirement of nutrients in Sapota cv. Kalipatti
12.3.46	Enhancing yield and quality of Sapota using different organic fertilizer treatment
12.3.47	Effect of tip pruning and foliar application of KNO ₃ on early flowering and yield of mango cv. Kesar
12.3.48	Effect of herbal oil spraying in mango cv. Kesar
12.3.49	Intercropping studies under coconut orchard
12.3.50	Effect of foliar application of plant growth regulators on growth, yield and quality of garlic var. GG3
12.3.51	Assessment of Genetic diversity in sweet potato [<i>Ipomoea batatas</i> (L.) Lam.]
12.3.52	Genotypic × environment interaction and stability analysis for yield and quality components in Greater Yam (<i>Dioscorea alata</i> L.)
12.3.53	Okra (YVMV) IET
12.3.54	Tomato (Determinate) AVT-I

12.3.55	Tomato (Determinate) AVT-II
12.3.56	Tomato (Indeterminate) IET
12.3.57	Chillies AVT-II
12.3.58	Pumpkin AVT-I
12.3.59	Bitter Gourd Hybrid- IET
12.3.60	Bitter Gourd Hybrid- AVT-I
12.3.61	Feasibility of tomato cultivation through grafting during rainy season
12.3.62	Evaluation of grafting in tomato under NVPH
12.3.63	Comparative performance of grafts and non grafts on tomato for growth, yield and related traits during rainy season
12.3.64	Response of muskmelon to different level of N and K fertigation for yield and other horticulture traits under NVPH
12.3.65	Organic farming in capsicum under protected condition
12.3.66	Organic farming in pointed gourd
12.3.67	Assessment of bush type French bean varieties suitable for the Dang district
12.3.68	Preliminary Evaluation Trail on Tomato
12.3.69	Preliminary Hybrid Trial on Tomato-I
12.3.70	Preliminary Hybrid Trial on Tomato-II
12.3.71	Multilocation Trial on Tomato
12.3.72	Preliminary Evaluation Trial on Brinjal
12.3.73	Preliminary Hybrid Trial on Brinjal
12.3.74	Collection, Evaluation and Improvement of Pointed gourd.
12.3.75	Preliminary Hybrid Trail of Okra.
12.3.76	Management of leaf blight of gerbera under polyhouse condition
12.3.77	Determination of nutritional composition of minor fruits
12.3.78	Induction of variability in spider lily (<i>Hymenocallis littoralis</i>) through chemical mutagens
12.3.79	Induction of variability in spider lily (<i>Hymenocallis littoralis</i>) through colchicine treatment

12.3.80	Integrated nutrient management in rose (<i>Rosa chinensis</i> L.)
12.3.81	Collection and evaluation of local turf grass germplasm of the South Gujarat region
12.3.82	Testing of new genotypes of China aster
12.3.83	Standardization of packing techniques for flower strings of marigold
12.3.84	Standardization of post harvest treatment using boric acid and sodium benzoate for improving postharvest life of loose flowers of tuberose
12.3.85	Studies on use of food dyes for tinting in tuberose stems
12.3.86	Standardization of soilless based growing media for different varieties of potted <i>Euphorbia milli</i>
12.3.87	Influence of different seasons on plant growth, flower production and flower quality in rose variety "Top Secret" in soilless culture under protected condition
12.3.88	Standardization of Grafting Technique in Adenium
12.3.89	Response of PGRs and cutting methods on growth of different varieties of bougainvillea
12.3.90	Response of alternative framing on growth and flowering of gladiolus with biofertilizers and growing media in plasticulture
12.3.91	Response of vermicompost, FYM and fertilizers on growth, flower quality and yield of tuberose in Bharuch condition
12.3.92	Efficacy of humic acid on vase life of gerbera cut flower var. Tera juba
12.3.93	Home scale ripening of banana cv. Grand Naine
12.3.94	Effect of pre cooling on quality and shelf life of banana cv. Grand Naine
12.3.95	Standardization of technology for preparation of Aloe vera based vermicelli
12.3.96	Standardization of technology for minimal processing of fresh cut cauliflower (<i>Brassica oleracea</i> var. botrytis L.).
12.3.97	Standardization of technology for minimal processing of fresh cut potatoes (<i>Solanum tuberosum</i> L.).
12.3.98	Standardization of technology for preparation of candy from ripe papaya (<i>Carica papaya</i> Linn.) fruits.
12.3.99	Standardization of technology for preparation of Tomato (<i>Solanum lycopersicum</i> L.) powder for home scale adoption.
12.3.100	Development of technology for preservation of tender coconut water
12.3.101	Development of technology for health based digestive tablets from noni pomace powder.

12.3.102	Characterization of the sapota seed oil for extraction and value addition
12.3.103	Determination of critical limit of water salinity for <i>Ailanthus excelsa</i> Roxb. Seedlings
12.3.104	Ecological studies on selected horticulture - based agroforestry systems in South Gujarat
12.3.105	Development of volumetric equation for Teak (<i>Tectona grandis</i> L.)
12.3.106	Seed source variation for seed traits, germination and seedling vigour in <i>Cinnamomum verum</i>
12.3.107	Metagenomic analysis of flooded rice ecosystem under climate change resilience
12.3.108	Evaluation of various <i>Poplar</i> clones for early Growth and Establishment under South Gujarat condition
12.3.109	Evaluation of different <i>Salix</i> clones for early Growth and Establishment under South Gujarat condition
12.3.110	Emission of N ₂ O and CH ₄ from forests soils. (BH:12019)
12.3.111	Effect of different seed treatment and media on growth of Indian Cheese Maker - <i>Withania coagulans</i> (Stocks) Dunal
12.3.112	Documentation of basic density and calorific value of different tree species of South Gujarat
12.3.113	Growth assessment of various kinds of fishes in fresh water
12.3.114	Establishment of plantations of minor fruit species for PG research
12.3.115	Isolation and characterization of PGPRs from different Banana cultivars

12.4 PLANT PROTECTION

	Recommendation for Farmers		
	Centre : Agri Polytech. NAU, Bharuch		
12.4.1	Evaluation of insecticides against chiku moth, <i>Nephoteryx eugraphella</i> R.	Accepted	Asstt. Prof. Agri Polytech. NAU, Bharuch
	Centre : FQTL, Navsari		
12.4.2	Residue and dissipation pattern of fenazaquin in/on chilli under South Gujarat conditions	Accepted	Asstt. Prof. (Pesticide Residue), FQTL, Navsari
	Centre : Main Rice Research Centre, NAU, Navsari		
12.4.3	Screening of promising genotypes for multiple resistance against stem borer, leaf folder and brown plant hopper of rice.	Accepted	Assoc.Res.Sci., Main Rice Research Centre, NAU, Navsari
	Centre : College of Agri., NAU, Bharuch		
12.4.4	Evaluation of different bio agents against wilt of pigeon pea. Short Title: Biological control of Pigeon pea wilt	Accepted	Assoc Prof.(Pl Path), College of Agri., NAU, Bharuch
	Centre : Main Rice Res. Centre, NAU, Navsari		
12.4.5	Evaluation of fungicides against Grain discoloration of rice Short Title:Chemical control of rice grain discoloration	Accepted	Asstt. Res. Sci. (Pl Path), Main Rice Res. Centre, NAU, Navsari
	Recommendation for Scientific		
	Centre : Agri polytech, NAU, Bharuch		
12.4.6	To study the population dynamics of major insect pests of sapota	Accepted	Asstt. Prof., Agri polytech, NAU, Bharuch
12.4.7	Monitoring of fruit fly in mango orchard	Accepted	Asstt. Prof., Agri polytech, NAU, Bharuch
	Centre : NMCA., Navsari		
12.4.8	Effect of non-ionizing (UV) radiation on the development of egg parasitoid, <i>Trichogramma chilonis</i> Ishii (Hymenoptera: Trichogrammatidae)	Accepted	Prof. & Head, Dept. of Ento., NMCA., Navsari
12.4.9	Monitoring of mite associated with vegetable crop nurseries	Accepted	Prof. & Head, Dept. of Ento., NMCA., Navsari

12.4.10	Documentation of mite problems in major protected floricultural crops	Accepted with following suggestions 1. Correct Spelling “Tenupalpussp”	Prof. & Head, Dept. of Ento., NMCA., Navsari
	Centre : AES, NAU, Paria		
12.4.11	Screening of mango germplasm against pests of mango	Accepted	Asstt.Res.Sci. (Ento) AES, NAU, Paria
	Centre : FQTL, Navsari		
12.4.12	Status of pesticide residues in major seasonal fruits	Accepted	Asstt. Prof. (Pesticide Residue), FQTL, Navsari
	Centre : ACHF, Navsari		
12.4.13	Screening of genotypes against insect pests of brinjal	Accepted	Assoc. Prof. (Ento), ACHF, Navsari
	Centre : Main Rice Res. Centre, NAU, Navsari		
12.4.14	Screening of promising genotypes for multiple resistance against bacterial blight, sheath rot and grain discolouration diseases of Rice.	Accepted	Asstt. Res. Sci. (PI Path), Main Rice Res. Centre, NAU, Navsari
	Centre : ACHF, NAU, Navsari		
12.4.15	Screening of genotypes against little leaf of brinjal	Accepted	Assoc. Prof. (PI Path), ACHF, NAU, Navsari

List of the new technical programme proposed for the year of 2016-17

List of New Technical Programme	
12.4.16	Management of the two spotted spider mite, <i>Tetranychus urticae</i> on gerbera with the use of biopesticides and the predator, <i>Amblyseius longispinosus</i> (Evens)
12.4.17	Survey of soil oribatid mites fauna
12.4.18	Seasonal incidence and pest activity of two spotted spider mite, <i>Tetranychus urticae</i> Koch. on adenium
12.4.19	Effect of various leaf defoliation levels on castor yield for rearing of eri silkworm, <i>Samia cynthia ricini</i> Hutt
12.4.20	Survey for native Entomopathogenic Nematode (EPN) under South Gujarat conditions
12.4.21	Survey of South American leaf miner, <i>Tuta absoluta</i> in Tomato.
12.4.22	Standardize the height of pheromone traps in pigeon pea ecosystem for the mass trapping of <i>Helicoverpa armigera</i> (Hubner)
12.4.23	Pollinator's fauna in Lucerne flora

12.4.24	Effect of organic pesticides on shoot borer and tent caterpillar in organic mango
12.4.25	Dissipation and persistence of combi-product of chlorantraniliprole 9.26 % + lambda-cyhalothrin 4.63 % in/on pigeon pea
12.4.26	Dissipation and persistence of Spiromesifin (22.9 % SC) in brinjal under south Gujarat conditions
12.4.27	Effect of ozonized water washing on pesticide residues and shelf-life of green chilli and okra
12.4.28	Bio-efficacy of biopesticides against insect-pests of rice crop
12.4.29	Study of expression of Bt proteins with different categories of parents
12.4.30	Isolation and characterization of endophytic bacteria from wild cotton plants and exploring insecticidal activity against pink bollworm, <i>Pectinophora gossypiella</i>
12.4.31	Bio-chemical traits in relation to insect tolerance of wild species and cross derivatives involving wild species of cotton
12.4.32	Evaluation of different modules for pest management in sorghum
12.4.33	Development of organic nutrient and bio pest management modules for chilli
12.4.34	Survey of major insect pests, diseases and their Natural enemies in brinjal, okra and chilli in Tribal belt of Surat district
12.4.35	Incidence of pests in high density mango plantation under drip irrigation
12.4.36	Varietal preference of pests in ultrahigh density mango plantation under drip irrigation
12.4.37	Integrated Pest Management of hopper in mango
12.4.38	Documentation and monitoring population of pollinators on mango
12.4.39	Management of mango hoppers and thrips using entomopathogens
12.4.40	Efficacy of biopesticides against Tea Mosquito Bug (TMB), <i>Helopeltis antonii</i> Signoret in cashew
12.4.41	Assessment of yield losses due to major insect pest in cashew
12.4.42	Evaluation of insecticides against insect pest of mango
12.4.43	Screening of mango varieties against shoot borer, <i>Chlumetia transversa</i>
12.4.44	Pest survey in cucurbits under protected cultivation
12.4.45	Effect of phosphate solubilizing microbes in wheat (<i>Triticum aestivum</i>) under saline conditions.

12.4.46	Isolation and characterization of plant growth promoting Actinomycetes from rhizospheric soil
12.4.47	Status of diseases of cucurbits under protected and unprotected cultivation
12.4.48	Investigation of phylloplane microflora of tomato and banana diseases
12.4.49	Evaluation of different substrates for cultivation of Oyster mushroom
12.4.50	Diagnostic kit for the identification of yellow mosaic virus infecting pulses
12.4.51	Relative susceptibility of medicinal plants to Garmar (<i>Coleus forskohlii</i> Briq.) Root knot Nematode (<i>Meloidogyne</i> sp.)
12.4.52	Integrated Management of <i>Alternaria</i> leaf blight in gerbera under polyhouse condition
12.4.53	Study of free living nitrogen fixing bacterial diversity with respect to seasonal variation
12.4.54	Standardization of liquid chromatography based aflatoxin detection method and their status in raw and processed groundnut
12.4.55	Determination of different decline disorders in Mango orchards
12.4.56	Survey and incidence of diseases in cashew
12.4.57	Integrated management of papaya diseases
12.4.58	Screening of mungbean entries against <i>Mungbean Yellow Mosaic Virus</i> (LSET-I & SSET)
12.4.59	Screening of urdbean entries against <i>Mungbean Yellow Mosaic Virus</i> (SSET)
12.4.60	Screening of cowpea entries against <i>Yellow Mosaic Virus</i> (SSET & PET)
12.4.61	Screening of pigeon pea entries against sterility mosaic disease (SSET)
12.4.62	Screening of Indian bean entries against yellow mosaic and powdery mildew (SSET)
12.4.63	Root knot nematode (<i>Meloidogyne graminicola</i>) disease in Rice nurseries of South Gujarat status Report (In summer seedling)
12.4.64	Screening of Little millet (<i>Panicum miliare</i> L.) varieties and germplasm against Blast
12.4.65	Standardisation of hot water treatment technique (HWTT) to manage post-harvest anthracnose as well as fruit flies of mango
12.4.66	Occurrence of diseases in high density mango plantation under drip irrigation
12.4.67	Prevalence of diseases in ultra-high density mango plantation under drip irrigation

12.5 Agricultural Engineering

	Recommendation for Farmers		
	Centre : Excellence on Post Harvest Technology, NAU, Navsari		
12.5.1	“ Evaluation and modifications of banana (<i>Musaparadisiaca L.</i>) comb cutter ”	Accepted with following suggestions 1. Put Photo.	I/c, CE on PHT, Navsari
	Recommendation for Scientific		
	Centre : Agricultural Engineering and Technology, N.A.U., Dediapada		
12.5.2	“ Study relating to “Formulating long-term mechanization strategy for Dediapad taluka.” ”	Accepted with following suggestions 1. Do not put general statement 2. Mention sowing to harvesting mechanization	Dean, CAET, Dediapada

	List of the new technical programme proposed for the year of 2016-17		
	Centre : Excellence of PHT, Navsari		
12.5.3	“Standardization of technology for preparation of Tomato (<i>Solanum lycopersicum L.</i>) Powder for home scale adoption		
12.5.4	Technology for utilization of Orange Peel and Seed		
	Centre : Agricultural Engineering, NMCA, Navsari		
12.5.5	Evaluation of Land Leveling and Sowing Methods on Yield and Water use efficiency of Sorghum (<i>Sorghum bicolor L.</i>) Crop in Vertisol of South Gujarat		
	Centre : Soil and Water Management Research Unit, N.A.U., Navsari		
12.5.6	Effect of different colour shade nets on biomass and quality of leafy vegetables (Fenugreek, coriander and garlic)		
12.5.7	Modification of NAU designed hold – on type power operated Paddy thresher		
12.5.8	Evaluation of irrigation scheduling in rice crop by using field water tube (alternative wetting and drying method)		
	Centre : College of Agricultural Engineering and Technology, N.A.U., Dediapada		
12.5.9	Performance evaluation of Scheffler Solar Concentrating Cooker for direct and indirect community cooking application		
12.5.10	Design, development and performance evaluation of mixed mode cabinet solar dryer		
12.5.11	Trends of Rainfall and temperature variation in Narmada District of Gujarat		
12.5.12	Development of studies of Sapota (<i>Chikoo</i>) Powder based value added product (pasta) using semolina (<i>Suji</i>) and maida (Suggestion : Check with Agro. Work)		
12.5.13	comparative Studies on the different drying methods on ber (<i>Ziziphus mauritiana</i>)		
12.5.14	Effect of laser levelling on water use efficiency and growth of wheat crop (Suggestion : Change Crop)		
12.5.15	Design and development of raised bed former-cum-seeder for clay loam soil condition for Narmada		
12.5.16	Design and development of suitable furrow opener for heavy clay soil condition for South Gujarat		
	Centre : Information & Communication Technology, AABMI, Navsari		

12.5.17	A Study on technical feasibility and development of online Financial Approval system for SAUs
12.5.18	Development program for online tour approval for NAU
12.5.19	Developing mobile App for the APMC operations
12.5.20	Developing web portal for the farmers of South Gujarat Region

12.6 BASIC SCIENCES

List of the new technical programme proposed for the year of 2016-17	
	Centre : Research Scientist and Head, MCRS, NAU, Surat
12.6.1	Screening of cotton genotypes for salinity tolerance
12.6.2	Biochemical traits in relation to insect tolerance of wild species and cross derivatives involving wild species of cotton
12.6.3	Study of Bt proteins expression in cotton hybrids with different categories of parents
12.6.4	Isolation and characterization of endophytic bacteria from wild cotton plants and exploring insecticidal activity against pink bollworm, <i>pectinophora gossypiella</i>
	Centre : Principal and Dean, ASABI, NAU, Surat
12.6.5	Influence of various nanoparticles on contamination in micropropagation of banana
12.6.6	Optimization of denovo regeneration protocol and selection of glyphosate tolerant line for <i>Cynodon dactylon</i> variety Selection 1
12.6.7	Optimization of amylase production by soil isolate under solid state fermentation (SSF).
	Centre : Professor & Head, Department of Plant Mol. Bio. and Biotechnology, ACHF, NAU, Navsari
12.6.8	Characterization and field efficacy of PGPRs from different banana cultivars
12.6.9	Effect of phosphate solubilizing microbes in wheat (<i>Triticum aestivum</i>) under saline conditions
12.6.10	Isolation and characterization of plant growth promoting Actinomycetes from rhizospheric soil
12.6.11	Surveillance of aflatoxin in pasteurized and raw milk
12.6.12	Characterization of bacteriocin produced by isolated lactic acid bacteria

12.7 SOCIAL SCIENCE

Recommendation for Farmers			
Centre : KVK Surat			
12.7.1	Sustenance cropping system in tribal area of Surat district	Accepted with following suggestions 1. This recommendation should be for scientific, not farmers recommendations 2. Remove BC ratios 3. Write based on survey	Programme Coordinator, KVK, Surat
12.7.2	Sustenance cropping system in tribal area of Surat district	Accepted with following suggestions 1. This recommendation should be for scientific, not farmers recommendations 2. Remove BC ratios	Programme Coordinator, KVK, Surat)
12.7.3	Sustenance cropping system in tribal area of Surat district	Accepted with following suggestions 1. This recommendation should be for scientific, not farmers recommendations 2. Remove BC ratios	Programme Coordinator, KVK, Surat
Recommendation for Scientist			
Centre : KVK Surat			
12.7.4	Sustenance cropping system in tribal area of Surat district	Accepted	Programme Coordinator, KVK, Surat
12.7.5	Sustenance cropping system in tribal area of Surat district	Accepted with following suggestions 1. Remove the work text 2. Write based on survey	Programme Coordinator, KVK, Surat

List of the new technical programme proposed for the year of 2016-17			
Centre : KVK, Vyara			
12.7.6	Constraints in adoption of <i>kharif</i> groundnut production technology in Tapi district		
Centre : KVK, Waghai			
12.7.7	1. Training needs of farmers in vegetables cultivation in tribal areas” and “Impact of KVK activities in adopted villages of KVKDangs 2. Impact of kvk activities in adopted villages of kvk dangs		
Centre : KVK, Navsari			
12.7.8	Development Of Organic Nutrient And Bio Pest Management Modules For Chilli		
Centre : KVK, Dediapada			
12.7.9	Maternal Nutritional Knowledge and its Association with Nutritional Status of School Going Children		
Centre : TWTC, Dediapada			
12.7.10	Impact of low drip kitchen garden demonstration organized by Tribal Women Training Centre, Dediapada		
Centre : Deptt. of Ext. Edu., NMCA			
12.7.11	Knowledge of farmers about training programme organized by Mega Seed Project of NAU, Navsari on seed production technology of Paddy in Navsari district		
Centre : ATIC & Educatorium, DEE, NAU			
12.7.12	Constraints faced by farmers regarding protected cultivation in South Gujarat		
Centre:- Agril. College Bharuch			

12.7.13	Knowledge and adoption of Pigeonpea growers about recommended production technologies in Bharuch district of South Gujarat
	Centre:- Agril. College Waghai
12.7.14	Aspiration level of farmers lived in tribe situation of Dangs
	Centre:- Poly-technique Vyara
12.7.15	A study on processing and marketing of Vegetables in Tapi district of South Gujarat
12.7.16	Constraints faced by tribal farmers in adoption of export oriented okra production technology in Tapi district of South Gujarat
12.7.17	A Study on adoption of recommended production technology of brinjal by brinjal growers in Tapi district of Gujarat State
	Centre:- DEE, NAU, Navsari
12.7.18	Group Dynamics of FIGs / CIGs working under ATMA in South Gujarat
	Centre:- Department of Agricultural Economics, NMCA, NAU, Navsari
12.7.19	Economic viability of layer poultry farms in Navsari district of Gujarat
	Centre:- Department of Agricultural Economics, ACHF, NAU, Navsari
12.7.20	Economic analysis of palmyra palm (<i>Borassus flabellifer L.</i>) in South Gujarat
12.7.21	Economic analysis of sugarcane cultivation under straw burning practices
	Centre:- Department of Agricultural Economics, College of Agriculture, NAU, Bharuch
12.7.22	Economics of production and marketing of papaya (<i>Carica papaya L</i>) in Bharuch district of South Gujarat
	Centre:- Planning cell, Director of Research and Dean, PG Studies
12.7.23	Study of outlay of different sources of funds before and after formation of Navsari Agricultural University
	Centre:- Department of Agricultural Economics ,College of Agriculture, NAU, Waghai
12.7.24	An assessment of indebtedness of agricultural households in different regions of Gujarat
12.7.25	Assessment of vulnerability to expected poverty among scheduled tribe farmers in South Gujarat
	Centre:- Department of Agricultural Economics, Polytechnic in Agriculture, NAU, Vyara.
12.7.26	A study on processing and marketing of vegetables in Tapi district of South Gujarat
	Centre:- ASPEE Agribusiness Management Institute, NAU, Navsari
12.7.27	A study of consumer behavior and factors affecting edible oil usage in Navsari
12.7.28	Identification of marketing channels and constraints in fish marketing
12.7.29	Study of Entrepreneurial intentions among the PG students of NAU, Navsari
12.7.30	Career Management concerns of UG & PG Students of NAU Campus Navsari
12.7.31	Assessment of private plant nursery enterprise in Navsari and Surat districts
	Centre:- Dept. of Agril. Statistics, NMCA, NAU, Navsari
12.7.32	Comparison of different intrinsically nonlinear models for the prediction of milk yield of Surati Buffalo
	Centre:- Dept. of Agril. Statistics, ACHF, NAU, Navsari
12.7.33	Uniformity trial in brinjal (seed purpose)
	Centre:- Dept. of Agril. Statistics, CoA, NAU, Bharuch
12.7.34	uniformity trial in cotton
	Centre:- Dept. of Agril. Statistics, CoA, NAU, Waghai
12.7.35	Forecasting of rice (<i>Oriza sativa</i>) yield using ordinal logistic regression

12.8 ANIMAL HEALTH

Recommendations for scientific community			
No.	Title	Suggestions	Action to be taken by
Centre : Veterinary College, Navsari/ Medicine Deptt.			
12.8.1	Diagnosis and management of Ascites in Canines	Accepted	Professor, Medicine
Recommendations For Farmers/Pet owners			
Centre :Veterinary College, Navsari/ Surgery and Radiology deptt.			
12.8.2	Medical and surgical management of corneal affections in canines.	Accepted with following suggestions 1. Write recommendations in English also.	Professor, Surgery and Radiology
Centre : Veterinary College, Navsari/ Medicine Deptt			
12.8.3	Diagnosis and management of Ascites in Canines	Accepted	Professor, Medicine

List of the new technical programme proposed for the year of 2016-17	
Centre : Veterinary College, Navsari	
12.8.4	Evaluation of <i>in vitro</i> pharmacological activities of <i>Morus alba</i> . (Pharmacology Deptt.)
12.8.5	Sero-diagnosis of caprine paratuberculosis in selected organized farms and panjrapols of South Gujarat. (Pathology Deptt.)
12.8.6	Development of plastination technique for long term preservation of macro parasites. (Parasitology Deptt.)
12.8.7	Evaluation of various therapeutic techniques for posterior paresis in dogs. (Surgery and Radiology Deptt.)
12.8.8	Management of corneal ulcers in dogs. (Surgery and Radiology Deptt.)
12.8.9	Management of traumatic reticulo-pericarditis (TRP) in bovines. (Surgery and Radiology Deptt.)
12.8.10	Studies on goniometry of limbs in Labrador Retriever, German Shepherd, Spitz and Pug breeds of dogs. (TVCC Deptt.)

12.9 ANIMAL PRODUCTION & FISHERIES SCIENCE

	Recommendations of Farmer		
	Centre : Livestock Research Station.		
12.9.1	Effect of bypass fat supplementation on production performance and economics on lactating buffalo	Accepted	
	Centre : Fisheries Science, SWMRU		
12.9.2	Optimization of stocking density of <i>Labeo rohita</i> (Rohu) for the production of stunted yearlings in cage culture condition	Accepted with following suggestions 1. Remove Word “region” in recommendation paragraph. 2.	
	Centre :Livestock Production And Management		
12.9.3	Effects of rubber mat bedding on the lying behavior, cleanliness and hock injuries of cross breed cows	Accepted	
	Centre : Animal Nutrition		
12.9.4	Economics of growth performance due to dietary inclusion of tanniferous leaves (<i>Ficus benghalensis</i>) in kids infested with gastrointestinal helminthes.	Accepted	
	Centre :Animal Science, NMCA		
12.9.5	Effect of supplementation of yeast on average daily growth, feed conversion ratio and cost economics in Surti goat kids.	Accepted with following suggestions 1. Mention how to provide feed in gujarati version with simple language	

	Recommendations of Scientist		
	Centre : Livestock Research Station.		
12.9.6	Effect of bypass fat supplementation on production performance and economics on lactating buffalo	Accepted	
	Centre :Livestock Production And Management		
12.9.7	Study of suckling behavior and mothering ability vis-à-vis production performance of Surti goat	Accepted	

	Centre : Animal Nutrition	
12.9.8	Economics of growth performance due to dietary inclusion of tanniferous leaves (<i>Ficus benghalensis</i>) in kids infested with gastrointestinal helminthes.	Accepted

	List of the new technical programme proposed for the year of 2016-17	
	Centre : LIVESTOCK RESEARCH STATION	
12.9.9	Effect of dietary protein levels on growth performance of surti buffalo calves	
12.9.10	Effect of different floor types on the growth performance and behavioral traits of surti buffalo calves during winter	
	Centre:- FISHERIES SCIENCE	
12.9.11	Study of marine Finfish and Shell fish landings and their taxonomical identification at Dholai fish landing centre	
12.9.12	Study of Indian white shrimp (<i>Fenneropenaeus indicus</i>) growth under varying salinities, of SWMRU.	
	Centre:- FISHERIES SCIENCE, KAMDHENU UNIVERSITY GANDHINAGAR	
12.9.13	Comparative study of in integrated farming of Indian major carps with mussels (<i>Lamellidens marginalis</i>) and Indian major carps.	
	Centre:- VETERINARY PHYSIOLOGY AND BIOCHEMISTRY	
12.9.14	Strategies to mitigate the impact of climate change.	
	Centre:- ANIMAL NUTRITION	
12.9.15	Effect of feeding processed maize on fattening of male Surti kids.	
	Centre:- INSTRUCTION LIVESTOCK FARM COMPLEX	
12.9.16	Effect of bedding materials on broiler performance.	
	Centre:- EXTENSION EDUCATION	
12.9.17	Breed preference and production performance of dairy animals among dairy farmers of Navsari District	
	Centre:- POLYTECHNIC IN ANIMAL HUSBANDARY	
12.9.18	Study on managerial practices adopted by the commercial layer farmers in Navsari district	
12.9.19	Study on managerial practices adopted by the commercial broiler farmers in Navsari district	