

**PROCEEDINGS OF 17th JOINT AGRESKO MEETING OF
NAVSARI AGRICULTURAL UNIVERSITY HELD ON 19th MARCH, 2021**

Venue: Swami Vivekanand Hall, ACHF, NAU, Navsari

Time: 9:30 a.m. onwards

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- Chairman** : Dr. Z. P. Patel, Hon'ble Vice-Chancellor, NAU, Navsari.
Co-Chairman : Dr. S. R. Chaudhary, Director of Research & Dean, P.G. Studies, NAU, Navsari.
Rapporteurs : Dr. P. B. Patel, Asso. Research Scientist, MRRS, NAU, Navsari
Dr. K. G. Patel, Prof. & Head, Dept. SSAC, NMCA, NAU, Navsari

The 17th Joint Agresko meeting of NAU was commenced with the welcome addressed by Dr. T. R. Ahlawat, Associate Director of Research, NAU, Navsari who welcomed Hon'ble Vice Chancellor, Director of Research, Associate Director of Research, Deans, Conveners, Professors and Scientists. Thereafter, Dr. S. R. Chaudhary, 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 appreciated about the new technical programmes proposed on different aspects as per farmers and market demand. ,

Dr. Z. P. Patel, Hon. Vice Chancellor, NAU, Navsari, in his presidential address, congratulated the scientists for new recommendations and varieties. He emphasized on initiating the focused work on the problem faced by farmers. Young scientists should work honestly, creatively and learn new things in the favour of the farmers of this region. He also highlighted the need for multi disciplinary research work to provide technical solution for the problems faced by the farmers. He also focus on new young scientists are proposing at least one new technical programme for engage in research activities.

Dr. D. A. Chauhan (Convener, Crop Improvement), Dr. H. M. Viradiya (Convener, NRM), Dr. Alka Singh (Convener, Horticulture), Dr. Minal Tandel (Convener, Forestry), Dr. Abhishek Shukla (Convener, Plant Protection), Dr. Sanjay Jha (Convener, Basic Science), Dr. R. M. Naik (Convener, Social Science), Dr. S. H. Sengar (Convener, Agril. Engineering), Dr. N. B. Patel, (Convener, Animal Production) and Dr. C. T. Khasatiya, (Convener, Animal Health) had presented their report 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:


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17.1 Crop Improvement

No.	Title	Suggestions	Action to be taken by
Recommendations of farming community			
17.1.1	Release proposal of Cowpea variety NCK-15-09 [GNVC-3 (Shakambhari)]	Approved with following suggestions: ➤ Correct 80-85 days in Gujarati recommendation	Asso. Research Scientist, PCRC, NAU, Navsari
17.1.2	Release proposal of Rice variety NVSR-407 [GR-22 (Navsari Kamod)]	Approved with following suggestions: ➤ Correct 30.5% in Gujarati recommendation ➤ Write “પાનના સુકારા” instead of “સુકારા” ➤ Write “Variety” instead of “culture”	Asso. Research Scientist, MRRC, NAU, Navsari
17.1.3	Release proposal of Rice variety NVSR-2435 [GR-23 (Bahubali Kolam)]	Approved with following suggestions: ➤ Recast first sentence in recommendation paragraph ➤ Write “મધ્યમ” instead of “સહય” ➤ Delete word “સમગ્ર”	Asso. Research Scientist, RRRS, NAU, Vyara
17.1.4	Release proposal of Rice variety NVSR-2756 [GNR-9 (Lalkada Gold)]	Approved with following suggestions: ➤ Recast first sentence in recommendation paragraph ➤ Write “મધ્યમ” instead of “સહય” ➤ Delete word “સમગ્ર” ➤ Write “ગામમારાની ઇચળ” instead of “પાનના ગામમારાની ઇચળ”	Asso. Research Scientist, RRRS, NAU, Vyara
17.1.5	Release proposal of Sugarcane variety CoN 15071 [(GNS-12) (Divyashi)]	Approved with following suggestions: ➤ Recast first sentence in recommendation paragraph ➤ Write “major insect pest” instead of “major insect” ➤ Write “જાત” instead of “કલોન” ➤ Delete word “વેપારી” ➤ Change the word “ઓછી ગ્રાહ્ય છે.” ➤ Label the photographs	Research Scientist, MSRS, NAU, Navsari
17.1.6	Release proposal of Turmeric variety NVST-84 [GNT-3 (Pitambari)]	Approved with following suggestions: ➤ Correct 10.26% in Gujarati recommendation ➤ Delete “પ્રક્રિયા ઉદ્યોગ માટે જરૂરી”	Professor, Dept. of GPB, NMCA, Navsari

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17.1.7	Release proposal of Mango Ginger variety NVMG-13 [GNMG-2 (Jyoti)]	Approved with following suggestions: ➤ Delete bracket from recommendation paragraph ➤ Delete word “NVMG-13” from last sentence ➤ Replace the word “કેરી” with “આંબા”	Professor, Dept. of GPB, NMCA, Navsari
17.1.8	Release proposal of Okra variety NOL-17-05 [GNO-1(Purna Rakshak)]	Approved with following suggestions: ➤ Write “એન.ઓ.એલ.-૧૭-૦૫” instead of “એન.ઓ.એલ.-૧૭-૦૫” ➤ Write “Fruit and shoot borer” instead of “pod borer” ➤ Write “પંચરંગીયો” instead of “પીઠીનસ” ➤ Delete word “NVMG-13” from last sentence ➤ Write “recommended” instead of “advised”	Professor, Dept. of Vegetable Sci., ACHF, Navsari
17.1.9	Release proposal of Finger Millet variety WN-559[CFMV-2 (Gira)] (Endorsement)	Approved with following suggestions: ➤ Recast the recommendation paragraph	Asso. Research Scientist, HMRS, NAU, Waghai
17.1.10	Release proposal of Little Millet variety WV-126[GV-4 (Ambika)]	Approved with following suggestions: ➤ Recast the recommendation paragraph ➤ Write “વહેલી અને એકી સાથે પાકતી”	Asso. Research Scientist, HMRS, NAU, Waghai
17.1.11	Release proposal of Sorghum variety CRS-13[GNJ-2 (MadhuMoti)]	Approved with following suggestions: ➤ Delete centre name “Tanchha” ➤ Correct Gujarati recommendation	Research Scientist, MSRS, NAU, Surat
17.1.12	Release proposal of Cotton variety GShv-331/14 [G.Cot.27 (Surati Sonu)]	Approved with following suggestions: ➤ Recast the recommendation paragraph ➤ Change the spelling “Surti Sonu” instead of “Surati Sonu” ➤ Delete word “આર્થિક”	Research Scientist, MCRS, NAU, Surat
17.1.13	Release proposal of Niger variety NMBP-1907 [GNIG-4 (Kasturi)]	Approved with following suggestions: ➤ Recast the recommendation paragraph ➤ Write “પાનના ટપકાંનો રોગ” ➤ Write the name of major pest	Asso. Research Scientist, NRS, NAU, Vanarasi


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17.1.14	Release proposal of Adenium variety NAHPDSH-1 [(GNAd-3) (Aabha)]	Approved with following suggestions: ➤ Recast the recommendation paragraph	Prof. & Head, Dept of Flori, ACHF, NAU, Navsari
17.1.15	Release proposal of Adenium variety NAPDUS-1 [GNAd-4 (Shobhita)]	Approved with following suggestions: ➤ Recast the recommendation paragraph	Prof. & Head, Dept of Flori, ACHF, NAU, Navsari
Recommendations for scientific community			
Nil			
List of the new technical programmes			
Nil			


17.2 Natural Resource Management

No.	Title	Suggestions	Action to be taken by
Recommendations for farming community			
17.2.1	Spatial distribution of moisture and nutrient under different drip design and fertigation level in cabbage (<i>Brassica oleracea L</i>) grow on clay soil of South Gujarat	Approved with following suggestion: ➤ Delete the words “intended to grow” and write “growing”	Res. Sci., SWMRU, Navsari
17.2.2	Study of inline subsurface drip system in respect to different discharge rate, spacing and lateral depth in sugarcane	Approved with following suggestion: ➤ Delete the words “intended to grow” and write “growing”	Res. Sci., SWMRU, Navsari
17.2.3	Effect of land configuration, gypsum and integrated nutrient management on growth and yield of radish	Approved with following suggestion: ➤ Write word “Recommended” instead of “Advised”	Res. Sci., SWMRU, Navsari
17.2.4	Effect of organic manure on rice based cropping system under coastal salt affected soils	Approved	Res. Sci., SWMRU, Navsari


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17.2.5	Yield performance of rice (<i>Oryza sativa</i> L.) varieties in direct seeded condition under organic farming	Approved with following suggestion: ➤ Write word "Recommended" instead of "Advised"	Assoc. Res. Sci., RRRS, Vyara
17.2.6	Raising fodder maize in soil less culture through foliar application of soluble fertilizers	Approved with following suggestion: ➤ Write "sq.ft" instead of "sq./ft" ➤ Write word "Recommended" instead of "Advised"	Assoc. Res. Sci., RRRS, Vyara
17.2.7	Fertilizer requirement for <i>Bt</i> hybrid cotton under irrigated condition	Not approved: ➤ Confirmation of earlier recommendation	Res. Sci., MCRS, Surat
17.2.8	Studies on irrigation scheduling through drip, nitrogen management and mulch in turmeric	Approved with following suggestion: ➤ Write word "Recommended" instead of "Advised" ➤ Delete word "also" and add "Further"	Asstt. Res. Sci., ARS, Achhalia
17.2.9	Effect of spacing on the performance of sorghum varieties during summer season	Approved	Prof. & Head, Dept. of Agronomy, NMCA, Navsari
17.2.10	Response of summer sesamum (<i>Sesamum indicum</i> L.) to integrated nutrient management under south Gujarat condition	Approved with following suggestion: ➤ Delete bracket from words "after green manuring" ➤ Write "શીંગા બેસવાની અવસ્થા" instead of "બૈઠવા બેસવાની અવસ્થા"	Prof. & Head, Dept. of Agronomy, NMCA, Navsari
17.2.11	Agronomical evaluation of different paddy varieties under organic farming	Approved with following suggestion: ➤ Give rate of application for NADEP compost	Assoc Prof., Dept. of SSAC, ACHF, Navsari
17.2.12	Effect of age of seedling and nutrient management in ragi	Approved	Assoc. Prof., Agronomy, CoA, Waghai
17.2.13	Response of cotton to green manuring and different fertility levels under rainfed condition	Approved with following suggestion: ➤ Delete the words " <i>Kharif</i> season" ➤ Change the language in positive way in last sentence	Prof. of Agronomy, CoA, Bharuch
Recommendations for scientific community			
17.2.14	Evaluation of ground water suitability for irrigation in Navsari district	Approved with following suggestion: ➤ Recast the recommendation paragraph	Res. Sci., Soil Sci., Navsari


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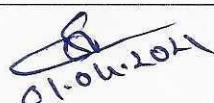
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17.2.15	Carbon crediting and GHG emission in IFS models	Approved	Prof. & Head, Dept. of Agronomy, NMCA, Navsari
17.2.16	Allelopathy evaluation of facultative weed species	Approved with following suggestion: ➤ Correct the recommendation paragraph	Prof. of Agronomy, CoA, Bharuch
List of the new technical programmes			
17.2.17	Study on intercrops and drip irrigation levels in banana under South Gujarat condition	Approved	Res. Sci., SWMRU, Navsari
17.2.18	Response of sugarcane crop to different row spacing and drip irrigation levels under South Gujarat condition	Approved	Res. Sci., SWMRU, Navsari
17.2.19	Soil moisture tension, release and transmission characteristics in different soils of South Gujarat	Approved	Res. Sci., SWMRU, Navsari
17.2.20	Effect of land configuration and irrigation level for beetroot grown after <i>kharif</i> rice	Approved	Res. Sci., SWMRU, Navsari
17.2.21	Evaluating the performance of rice variety in different intercropping systems under aerobic rice cultivation	Approved	Res. Sci., SWMRU, Navsari
17.2.22	Effect of foliar application of nitrogen on yield and protein content in different varieties of rice	Approved	Res. Sci., SWMRU, Navsari
17.2.23	Enhancing productivity of rice-based cropping system under aerobic rice cultivation	Approved	Res. Sci., SWMRU, Navsari
17.2.24	Sustainable weed management in aerobic rice system- AICRP trial	Approved	Res. Sci., SWMRU, Navsari


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17.2.25	Studies on changes in soil properties under anaerobic rice cultivation in coastal areas of South Gujarat	Approved	Res. Sci., SWMRU, Navsari
17.2.26	Evaluation of dual amendment reclamation effect on saline-sodic soil under rice and its residual effect on wheat crop	Approved	Res. Sci., SWMRU, Navsari
17.2.27	Integrated weed management in sugarcane planted through single eye budded settling under south Gujarat condition	Approved	Res. Sci., MSRS, Navsari
17.2.28	Status of different forms of Nitrogen in soils of Navsari district of South Gujarat	Approved	Res. Sci., Soil Sci., Navsari
17.2.29	Status of different forms of Potassium in soils of Navsari districts of South Gujarat	Approved	Res. Sci., Soil Sci., Navsari
17.2.30	Effect of topping in pigeonpea <i>var.</i> GT 104 under different spacing	Approved	Res. Sci., Pulse & Castor Research Station, Navsari
17.2.31	Performance of deeply sown gram (<i>Cicer arietinum</i> L.) under different Level of irrigation and weed management in Organic farming	Approved	Assoc. Res. Sci., RRRS, Vyara
17.2.32	Weed management practices in Aerobic rice (<i>Oryza sativa</i> L.)	Approved	Scientist (Agronomy) KVK, Vyara
17.2.33	Effect of nitrogen levels and growth retardants on cotton under HDPS	Approved	Res. Sci., MCRS, Surat

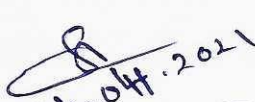

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17.2.34	Feasibility of different Intercrops in <i>Bt</i> cotton hybrid	Approved	Res. Sci., MCRS, Surat
17.2.35	Effect of different spacing and nitrogen levels on arboreum cotton under rainfed condition	Approved	Res. Sci., MCRS, Surat
17.2.36	Effect of different age of seedling for transplanting of <i>kharif</i> grain sorghum	Approved	Res. Sci., MSRS, Surat
17.2.37	Response of different irrigation levels, row and lateral spacing on yield of drip irrigated sugarcane	Approved	Asso. Res. Scientist, ARS, Achhalia
17.2.38	Studies on fertilizer application methods and nitrogen splits on growth and yield of rainfed cotton	Approved	Asso. Res. Scientist, ARS, Achhalia
17.2.39	Studies on sowing dates, spacing and irrigation methods on growth and yield of cotton	Approved	Asso. Res. Scientist, ARS, Achhalia
17.2.40	Effect of spacing and topping on <i>Bt</i> cotton hybrid G. Cot Hy-12 (BG-II)	Approved	Asstt. Res. Scientist, ARS, Tanchha
17.2.41	Effect of different irrigation levels on the performance of various late sown wheat cultivars under different location of south Gujarat	Approved	Asstt. Res. Scientist, ARS, Mangrol
17.2.42	Effect of spacing on the performance of sweet corn	Approved	Prof. & Head, Dept. of Agronomy, NMCA, Navsari



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17.2.43	Integrated weed management in chickpea (<i>Cicer arietinum</i> L.) under south Gujarat condition	Approved	Prof. & Head, Dept. of Agronomy, NMCA, Navsari
17.2.44	Nutrient management in fodder sunflower (<i>Helianthus annuus</i> L.) under south Gujarat condition	Approved	Prof. & Head, Dept. of Agronomy, NMCA, Navsari
17.2.45	Identification of cropping systems module for different farming systems - AICRP trial	Approved	Prof. & Head, Dept. of Agronomy, NMCA, Navsari
17.2.46	A comparative study of Humus, Nitrogen and Sulphur dynamics of organically and conventionally managed arable soils in different crops	Approved	Prof. & Head, Dept. of SSAC, NMCA, Navsari
17.2.47	Status of different forms of sulphur in soils of Navsari district of South Gujarat	Approved	Prof. & Head, Dept. of SSAC, NMCA, Navsari
17.2.48	Calibration and validation of DSSAT-CROPGRO model for Mungbean crop under South Gujarat region	Approved	Assi. Prof. Agril. Meteorology Cell, NMCA, Navsari
17.2.49	Persistence and dissipation behaviour of pyroxasulfone in maize	Approved	In charge FQTL, Navsari
17.2.50	Persistence and dissipation behaviour of pyrazosulfuron ethyl in soil and water in transplanted rice field	Approved	In charge FQTL, Navsari
17.2.51	Effect of different organic nutrient sources on summer black gram (<i>Vigna mungo</i> L. Hepper)	Approved	Asso. Prof. SSAC, ACHF, Navsari


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17.2.52	Influence of different organics on fruiting, yield and quality of mango (<i>Mangifera indica</i> L.) cv. Kesar	Approved	Asso. Prof. SSAC, ACHF, Navsari
17.2.53	Effect of manure and foliar spray of different liquid organic formulations on growth, yield and quality of banana	Approved	Asso. Prof. SSAC, ACHF, Navsari
17.2.54	Analysis of medium range weather forecasting under South Gujarat region	Approved	Asso. Prof. SSAC, ACHF, Navsari
17.2.55	Optimization of organic nutrient sources for summer greengram (<i>Vigna radiata</i>) under South Gujarat conditions	Approved	Asso. Prof. Agronomy, COA, Waghai
17.2.56	Response of chickpea (<i>Cicer arietinum</i> L.) to cow-based bio enhancers and botanicals under south Gujarat condition	Approved	Asso. Prof. Agronomy, COA, Waghai
17.2.57	Response of Barnyard millet to organics	Approved	Asso. Prof. Agronomy, COA, Waghai
17.2.58	Response of paddy to foliar spray of organic liquid under hilly region of south Gujarat	Approved	Asso. Prof. Agronomy, COA, Waghai
17.2.59	Influence of Glufosinate ammonium on cotton yield and soil microbes	Approved	Prof. Agronomy, COA, Bharuch
17.2.60	Determine the effect of defoliant on cotton yield and quality	Approved	Prof. Agronomy, COA, Bharuch
17.2.61	Effect of different growth retardants on pigeonpea under rainfed condition	Approved	Prof. Agronomy, COA, Bharuch


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17.2.62	Feasibility of Mustard (<i>Brassica juncea</i> L.) under varying fertilizer levels in south Gujarat condition	Approved	Asso. Prof. Dept. of SSAC COA, Bharuch
17.2.63	Quantification of agro-meteorological indices in relation to crop phenology and yield under varying weather for soybean (<i>Glycine max</i> L. Merrill)	Approved	Prof. Agronomy, COA, Bharuch
17.2.64	Effect of sulphur and zinc levels on yield and quality of sweet corn (<i>Zea mays</i> L. saccharata Sturt) and soil fertility status	Approved	Asso. Prof., SSAC, COA, Bharuch
17.2.65	Effect of pre and post-emergence herbicides in soybean	Approved	Assit. Prof. Agricultural Polytechnic, Vyara
17.2.66	Evaluation of efficacy of two epigeic earthworm species for vermicomposting using different substrates	Approved	Assit. Prof. Horticultural Polytechnic, Navsari
17.2.67	Evaluation of different time of sowing of <i>rabi</i> Sorghum	Approved	Scientist (Agronomy) KVK, Surat

17.3 Horticulture

No.	Title	Suggestions	Action to be taken by
Recommendations for farming community			
17.3.1	Evaluation of different biofertilizers with graded chemical fertilizers for nutrient management in papaya var. Red Lady	Approved with following suggestions: ➤ Add CFU in biofertilizers ➤ Write “3 and 6 months” in recommendation paragraph	Research Scientist. RHRS, NAU, Navsari
17.3.2	Effect of time and growing condition on success of softwood grafting in mango	Approved with following suggestions: ➤ Write “નર્સરી ધારકો” instead of “નર્સરી સાહસિકો” ➤ Delete “during” and write “in”	Research Scientist. RHRS, NAU, Navsari


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17.3.3	Evaluation of the field performance of the macro-propagated plants of banana	Approved	Associate Res. Sci., FRS,NAU, Gandevi
17.3.4	Standardisation of stage wise requirement of nutrients in sapota	Approved with following suggestions: ➤ Mention age of tree ➤ Correct recommendation paragraph	Associate Res. Sci., FRS,NAU, Gandevi
17.3.5	Net house cultivation of papaya	Approved with following suggestions: ➤ Mention net size ➤ Mention gynodioecious variety ➤ Correct variety Name	Associate Res. Sci., FRS,NAU, Gandevi
17.3.6	Effect of paclobutrazol application before monsoon and efficacy of bud breakers on early season flowering and fruiting in mango	Approved with following suggestions: ➤ Write "last week of April" instead of "30 th April" ➤ Correct "canopy diameter" as "canopy radius" ➤ Mention age of tree ➤ Add quantity of paclobutrazol ➤ Mention fertilizer dose	Research Scientist AES, NAU, Paria
17.3.7	Effect of micronutrients on yield and quality of mango	Approved with following suggestions: ➤ Mention age of tree ➤ Delete "+ sign" and write "and"	Research Scientist AES, NAU, Paria
17.3.8	Effect of foliar application of Novel organic liquid fertilizer and micronutrients on yield and quality of mango (<i>Mangifera indica</i> L.) cv. Kesar	Approved with following suggestions: ➤ Add "in addition to RDF" ➤ Mention fertilizer dose ➤ Write "વિદ્યુત" instead of "વિદ્યુત" ➤ Correct gujarati recommendation ➤ Mention fertilizer dose	Professor & Head, Dept. of Horti., CoA, NAU, Bharuch
17.3.9	Artificial oscillation for increasing fruit set and performance of tomato in polyhouse under South Gujarat conditions	Approved	Professor Vegetable Science, ACHF, NAU, Navsari
17.3.10	Standardize the fertilizer dose of drumstick (<i>Moringa</i> spp.)	Approved with following suggestions: ➤ Delete the words "Agro climatic Zone"	Professor Vegetable Science, ACHF, NAU, Navsari
17.3.11	Effect of IBA and number of nodes on stem cutting on propagation of little gourd	Approved with following suggestions: ➤ Recast recommendation paragraph	Professor Vegetable Science, ACHF, NAU, Navsari
17.3.12	Response of okra to foliar application of Novel Organic Liquid Nutrient and Micronutrients	Approved with following suggestions: ➤ Add "in addition to RDF" ➤ Recast the recommendation paragraph	Professor Vegetable Science, ACHF, NAU, Navsari

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17.3.13	Effect of different growing media on Haworthia pot plant	Approved	Professor & Head, FLA, ACHF, NAU, Navsari
17.3.14	Development of plant architecture through pinching and pruning in adenium pot plant under soilless growing system	Approved with following suggestions: ➤ Remove Bracket in recommendation paragraph	Professor & Head, FLA, ACHF, NAU, Navsari
17.3.15	Effect of different growing media and foliar application of Nitrogen on Garlic, Fenugreek and Spinach	Approved with following suggestions: ➤ Correct recommendation paragraph ➤ Mention "Urea" as N source ➤ Replace "at" with "@"	Professor & Head, FLA, ACHF, NAU, Navsari
17.3.16	Standardization of technology for minimal processing of fresh cut potatoes (<i>Solanum tuberosum</i> L.).	Approved with following suggestions: ➤ Write "3 minutes" instead of "3 min"	Professor & Head, PHT, ACHF, NAU, Navsari
17.3.17	Effect of different cultivation practices on quality and yield of banana pseudostem sap	Approved with following suggestions: ➤ Delete word "sap"	Research Scientist & Head, SWMRU, NAU, Navsari
Recommendations for scientific community			
17.3.18	Response of media, fertilizer and chemicals application on growth of mango rootstock	Approved with following suggestions: ➤ Delete "Farmers and nurserymen of South Gujarat" ➤ Recast the recommendation paragraph	Research Scientist, RHRS, NAU, Navsari
17.3.19	Effect of nitrogen fixing bio-fertilizers on yield and quality of mango	Approved with following suggestions: ➤ Delete "The scientific community is informed that" ➤ Recast the recommendation paragraph	Research Scientist, AES, NAU, Paria
List of the new technical programmes			
17.3.20	Effect of fruit bagging and nutrient spray on fruit quality and shelf life of mango cv. Kesar under HDP	Approved	Professor & Head, Dept. of Fruit Science, ACHF, NAU, Navsari


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17.3.21	Exogenous application of melatonin on growth, nutrient uptake and survival of mango seedling under salt stress regimes.	Approved	Professor & Head, Dept. of Fruit Science, ACHF, NAU, Navsari
17.3.22	Response of silicon on flowering, yield and quality of Sapota cv. Kalipatti.	Approved	Professor & Head, Dept. of Fruit Science, ACHF, NAU, Navsari
17.3.23	Effect of growing media on germination, growth and nutrient uptake of papaya seedlings cv. Red Lady raised in plug tray	Approved	Professor & Head, Dept. of Fruit Science, ACHF, NAU, Navsari
17.3.24	Response of planting density on dragon fruit (<i>Hylocereus polyrhizus</i> L.)	Approved	Professor & Head, Dept. of Fruit Science, ACHF, NAU, Navsari
17.3.25	Effect of season on stem cutting of dragon fruit (<i>Hylocereus polyrhizus</i> L.)	Approved	Professor & Head, Dept. of Fruit Science, ACHF, NAU, Navsari
17.3.26	Response of drip irrigation on growth and yield of D x T coconut (<i>Cocos nucifera</i> L.) hybrid under South Gujarat condition	Approved	Professor & Head, Dept. of Fruit Science, ACHF, NAU, Navsari
17.3.27	Effect of growth substances on growth of kagzi lime seedlings	Approved	Principal, Horticulture Polytech., Navsari
17.3.28	Effect of growing media and PGR on success of softwood cuttings in guava under polyhouse conditions	Approved	Professor & Head, Dept. of Horticulture, CoA, NAU, Bharuch


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17.3.29	Response of planting densities on growth, yield and quality of banana cv. Grand Naine	Approved	Principal, Horticulture Polytech., Paria
17.3.30	Intercropping of cole crops in banana cv. Grand Naine	Approved	Principal, Horticulture Polytech., Paria
17.3.31	Impact of different time of grafting in custard apple cv. Sindhan and Arka Sahan	Approved	Principal, Agriculture Polytech., Vyara- Tapi
17.3.32	Evaluation of banana mutant (MLT-4)	Approved	Associate Horticulturist, FRS, Gandevi
17.3.33	Validation of protocol for extending papaya seed viability in storage	Approved	Associate Horticulturist, FRS, Gandevi
17.3.34	Multilocation testing of new papaya selections (MLT-1)	Approved	Associate Horticulturist, FRS, Gandevi
17.3.35	Effect of foliar application of liquid organic fertilizers on growth, yield and quality of strawberry (<i>Fragaria x ananassa</i> Duch.)	Approved	Asstt. Prof., Dept. of Horticulture, CoA, NAU, Waghai
17.3.36	Effect of different type of mulches on growth, flowering and yield of cucumber var. PusaSanyog.	Approved	Principal, Horticulture Polytech., Paria
17.3.37	Response of greenhouse cucumber to regulated irrigation and mulching	Approved	Professor & Head, Dept. of Veg. Science, ACHF, NAU, Navsari
17.3.38	Performance of yard long bean [<i>Vigna unguiculata</i> (L.) Walp. subsp. <i>sesquipedalis</i> (L.) Verdc.] in varying levels of plant density under NVPH	Approved	Professor & Head, Dept. of Veg. Science, ACHF, NAU, Navsari

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17.3.39	Effect of pre-harvest spray coating of <i>Aloe verapulp</i> aqueous extract and packaging on post-harvest quality of <i>Amaranthus microgreens</i>	Approved	Professor & Head, Dept. of Veg. Science, ACHF, NAU, Navsari
17.3.40	Fertilizer best management practices in sweet potato	Approved	Professor & Head, Dept. of Veg. Science, ACHF, NAU, Navsari
17.3.41	Management of storage rot in elephant foot yam corms	Approved	Professor & Head, Dept. of Veg. Science, ACHF, NAU, Navsari
17.3.42	IET on purple flesh greater yam	Approved	Professor & Head, Dept. of Veg. Science, ACHF, NAU, Navsari
17.3.43	Influence of plant growth substances on growth and green pod yield of Indian bean (<i>Dolichos lablab</i> L.) cv. GNIB 22	Approved	Principal, Horticulture Polytech., Navsari
17.3.44	Effect of different colour shade nets on germination and seedling growth of broccoli (<i>Brassica oleracea</i> var. Italica) var. Pusa KTS-1	Approved	Professor & Head, Dept. of Horticulture, NMCA, NAU, Navsari
17.3.45	Effect of different sowing dates on growth, yield and quality of Kale under sub-humid tropics of South Gujarat	Approved	Principal, Horticulture Polytech., Navsari
17.3.46	Effect of organic nutrition on growth and fruiting of brinjal on terrace garden	Approved	Scientist, KVK, Vyara- Tapi
17.3.47	Effect of foliar application of liquid organic fertilizers on different varieties of elephant foot yam	Approved	Asstt. Prof., Dept. of Horticulture, CoA, NAU, Waghai


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17.3.48	Effect of sowing time on different varieties of lettuce	Approved	Asstt. Prof., Dept. of Horticulture, CoA, NAU, Waghai
17.3.49	Collection and evaluation of okra (<i>Abelmoschus esculentus</i> (L.) Moench) genotypes suitable for cultivation during late kharif and rabi Season in South Gujarat	Approved	Asstt. Prof., Dept. of Horticulture, CoA, NAU, Waghai
17.3.50	Effect of different growing media on growth of tomato seedlings raised in plug trays under polyhouse conditions	Approved	Professor & Head, Dept. of Horticulture, CoA, NAU, Bharuch
17.3.51	Testing of genotypes in tuberose for cut flower	Approved	Professor & Head, Dept. of FLA, ACHF, NAU, Navsari
17.3.52	Testing of genotypes in tuberose for pot culture	Approved	Professor & Head, Dept. of FLA, ACHF, NAU, Navsari
17.3.53	Testing of new genotypes of gladiolus	Approved	Professor & Head, Dept. of FLA, ACHF, NAU, Navsari
17.3.54	Evaluation of new mutants in chrysanthemum in NVpolyhouse	Approved	Professor & Head, Dept. of FLA, ACHF, NAU, Navsari
17.3.55	Effect of plant growth retardants on growth and flowering in pot Kalanchoe	Approved	Professor & Head, Dept. of FLA, ACHF, NAU, Navsari
17.3.56	Effect of N and P levels on growth and yield of golden rod cv. Local	Approved	Principal, Horticulture Polytech., Navsari
17.3.57	Effect of plant growth regulators on rooting of kamini (<i>Murraya exotica</i>) cuttings	Approved	Professor & Head, Dept. of Horticulture, NMCA, NAU, Navsari

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17.3.58	Effect of pinching and foliar application of nutrients on growth quality and yield of African marigold (T) var. Punjab Gaiinda 1	Approved	Professor & Head, Dept. of FLA, ACHF, NAU, Navsari
17.3.59	Effect of different mulches and stimulants on China aster	Approved	Asstt. Prof., Dept. of Horticulture, CoA, NAU, Waghai
17.3.60	Standardization of processing technology for dried <i>Kothimbda/Kachri</i> (<i>Cucumiscallosus</i> (Rottl.) Cogn.	Approved	Professor, Dept. of Horti., CoA, NAU, Bharuch
17.3.61	Standardization of method for extraction of passion fruits (<i>Passifloraedulis</i>) juice.	Approved	Professor, Dept. of PHTC, ACHF NAU, Navsari
17.3.62	Standardization of suitable blending proportion for preparation of spiced squash (appetizer) using passion fruits (<i>Passifloraedulis</i>) and bael fruits (<i>Aeglemarmelos</i> L.).	Approved	Professor, Dept. of PHTC, ACHF NAU, Navsari
17.3.63	Standardization of formulation for preparation of fruit bar from sapota pulp	Approved	Professor, Dept. of PHTC, ACHF NAU, Navsari
17.3.64	Effect of different drying methods on quality of oyster mushroom (<i>Pleurotusostreatus</i>)	Approved	Professor, Dept. of PHTC, ACHF NAU, Navsari

17.4 Forestry

No.	Title	Suggestions	Action to be taken by
Recommendations of farming community			
17.4.1	Annual biomass, volume and carbon stock estimation of <i>Melia dubia</i> Cav. through destructive method	Approved with following suggestions: ➤ Remove "South Gujarat heavy rainfall zone-I"	HoD, Department of Silviculture and Agroforestry


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17.4.2	Integrated nutrient management of Brinjal (<i>Solanum melongena</i> L.) under Teak (<i>Tectona grandis</i> L.) based Silvi-horticultural system in South Gujarat region	Approved with following suggestions: <ul style="list-style-type: none"> ➤ Write “Recommended” instead of “Advised” ➤ Add area based fertilizer application ➤ Remove “South Gujarat heavy rainfall zone – I” 	HoD, Department of Silviculture and Agroforestry
17.4.3	Development of local volume table for Saru (<i>Casuarina equisetifolia</i>)	Approved	HoD, Department of Silviculture and Agroforestry
Recommendations for scientific community			
17.4.4	Mapping of degraded lands using Remote sensing and GIS technique in coastal region of Navsari	Approved	HoD, Department of Natural Resource Management
List of the new technical programmes			
17.4.5	Seed characterization and influence of pre-sowing treatments on germination in <i>Pterocarpus marsupium</i> Roxb	Approved	HoD, Department of Silviculture and Agroforestry
17.4.6	Influence of Pre-sowing treatments on seed germination and seedling vigour in <i>Semecarpus anacardium</i> Linn.	Approved	HoD, Department of Silviculture and Agroforestry
17.4.7	Evaluation of germination media and organic manures for production of quality seedlings of <i>Soymida febrifuga</i> Roxb. A. Juss.	Approved	HoD, Department of Silviculture and Agroforestry


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17.4.8	Study of ecological structure of <i>Bauhinia malabarica</i> Roxb	Approved	HoD, Department of Silviculture and Agroforestry
17.4.9	Variation in drupe characteristics and germination potential among different seed sources of Teak (<i>Tectona grandis</i> L. f.) in south Gujarat	Approved	HoD, Department of Silviculture & Agroforestry
17.4.10	Dormancy and germination investigations in <i>Melia dubia</i> Cav.	Approved	HoD, Department of Forest Biology and Tree Improvement
17.4.11	Study of bee flora of NAU campus and nearby areas	Approved	HoD, Department of Forest Products and Utilization
17.4.12	Growth performance of important bee floral plants in saline areas.	Approved	HoD, Department of Forest Products and Utilization

17.5 Plant Protection

No.	Title	Suggestions	Action to be taken by
Recommendations of farming community (ENTOMOLOGY)			
17.5.1	Management of the two spotted spider mite, <i>Tetranychus urticae</i> Koch on gerbera with the use of biopesticides and the predatory mite, <i>Amblyseius</i> (<i>Neoseiulus</i>) <i>longispinosus</i> (Evans)	Approved with following suggestions: ➤ Write “Recommended” instead of “advised” ➤ Correct Gujarati recommendation ➤ Write “gerbera” in recommendation	Professor and Head, Department of Entomology, NMCA, NAU, Navsari


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17.5.2	Effect of various leaf defoliation levels on castor yield for rearing of eri silkworm, <i>Samia cynthia ricini</i> Hutt	Approved with following suggestions: ➤ Write “Recommended” instead of “advised”	Professor and Head, Department of Entomology, NMCA, NAU, Navsari
17.5.3	Evaluation of insecticides against important insect- pests of mango	Approved with following suggestions: ➤ Write “Recommended” instead of “advised”	Principal, CoA, NAU, Waghai
17.5.4	Validation of IPM module for Pink bollworm	Approved with following suggestions: ➤ Write dose of “flonicamid” ➤ Remove “Agro-climatic zone II” ➤ Write “Recommended” instead of “advised”	Asst. Res. Scientist (Ento) MCRS, NAU, Surat
17.5.5	Management of seed borer in sapota	Approved with following suggestions: ➤ Write “Recommended” instead of “advise” ➤ Correct the dose of <i>Bacillus thuringiensis</i>	Asstt. Res. Sci. (Ento.), Fruit Research Station, NAU, Gandevi
17.5.6	Management of podfly, <i>Melanagromyza obtusa</i> (Mollach) in pigeonpea	Approved with following suggestions: ➤ Write “Recommended” instead of “advise” ➤ Delete “of South Gujarat Zone-II, Agroecological situation-V” ➤ Give trap details	Asstt. Res.Sci.(Ento), NARP, NAU, Bharuch
Recommendations of farming community PLANT PATHOLOGY			
17.5.7	Susceptibility of medicinal plants to Garmar (<i>Plectranthus barbatus</i> Andrews.) Root Knot Nematode (<i>Meloidogyne</i> sp.)	Approved with following suggestions: ➤ Write “Recommended” instead of “advise” ➤ Delete “Heavy Rainfall zone AES-III” ➤ Correct recommendation paragraph	Prof. & Head, Department of Plant Pathology, NMCA., NAU, Navsari
17.5.8	Evaluation of fungicides against the sheath rot of rice	Approved with following suggestions: ➤ Write “Recommended” instead of “advised” ➤ Correct recommendation paragraph	Assistant Research Scientist (Patho.), MRRC farm, NAU, Navsari
17.5.9	Biological management of chickpea wilt	Approved with following suggestions: ➤ Write “Recommended” instead of “advised” ➤ Correct “૨x૧૦૮ સીએફયુ /મિલી”	Asst. Prof. (Patho.), CoA, NAU, Waghai


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17.5.10	Management of stem rot disease of groundnut under rice based cropping system	Approved with following suggestions: ➤ Write “any of the” instead of “any one”	Asst. Res. Scientist (Patho.) Regional Rice Research Station, NAU, Vyara
17.5.11	Management of Post-Harvest Diseases of Mango using Hot Water Treatment	Approved with following suggestions: ➤ Write “Recommended” instead of “advised”	Professor and Head, Department of Plant Protection, ACHF, NAU, Navsari
Recommendations for scientific community (ENTOMOLOGY)			
17.5.12	Survey of Acari associated with different stored grains and by-products	Approved	Professor and Head, Department of Entomology, NMCA, NAU, Navsari
17.5.13	Survey of soil oribatidmites fauna.	Approved with following suggestions: ➤ Write “belonging” instead of “belongs”	Professor & Head, Department of Entomology, NMCA, NAU, Navsari
17.5.14	Screening of mango varieties against shoot borer, <i>Chlumetia transversa</i> (Walker)	Approved	Asstt. Prof (Ento), Horticulture Polytechnic, ACHF, NAU, Navsari
17.5.15	Estimation of yield losses caused by insect pests on pigeonpea (<i>Cajanuscajan</i> (L.) Millsp.)	Approved	Asstt. Res. Scientist (Ento) CoA, NAU, Bharuch
17.5.16	Screening of <i>Gossypium hirsutum</i> cotton varieties/ genotypes for resistance to insect pests under rainfed conditions	Approved	Scientist, KVK, NAU, Surat
17.5.17	Crop loss assessment by major insect-pests and diseases of mango	Approved	Asstt. Res. Scientist (Ento) AES, NAU, Paria


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17.5.18	Dissipation of insecticides in tomatoes grown under open field and greenhouse under South Gujarat conditions	Approved	Head, FQTL, NMCA., NAU, Navsari
17.5.19	Seasonal incidence and pest activity of two spotted spider mite, <i>Tetranychus urticae</i> Koch. on Adenium [Adenium obesum (Forssk.) Roem & Schult.]	Approved	Professor and Head, Department of Entomology, NMCA, NAU, Navsari
17.5.20	Estimation of yield losses for cotton pink bollworm	Approved	Asst. Res. Scientist (Ento) MCRS, NAU, Surat
Recommendations for scientific community (PLANT PATHOLOGY)			
17.5.21	Study of root knot nematode in major crops of South Gujarat	Approved	Prof & Head Department of Plant Pathology, NMCA., NAU, Navsari
17.5.22	Screening of sugarcane varieties for resistance red rot.	Approved	Asstt. Res. Sci (Plant Pathology), MSRS, NAU, Navsari
17.5.23	Screening of Sugarcane varieties for resistance to whip smut	Approved	Asstt. Res. Sci (Plant Pathology), MSRS, NAU, Navsari
17.5.24	Screening of <i>Gossypium hirsutum</i> varieties/ breeding materials for resistance to Wilt, Alternaria leaf spot and bacterial leaf blight diseases under natural and rainfed condition	Approved with following suggestions: ➤ Delete "in reaction" ➤ Give positive or negative correlation between characters	Assistant Research Scientist (Patho), RCRS, Bharuch


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17.5.25	Evaluation and multiplication of Groundnut genotypes to identify the sources of resistance against stem rot caused by <i>Sclerotium rolfsii</i>	Approved	Assistant Research Scientist (Patho.), RRRS, NAU, Vyara
17.5.26	Dynamics of diseases in gerbera under protected cultivation	Approved	Professor and Head Department of Plant Protection, ACHF, NAU, Navsari
NEW TECHNICAL PROGRAMME : ENTOMOLOGY (38)			
17.5.27	Biodiversity of mites associated with date palm	Approved	Prof. & Head, Dept. of Ento, NMCA, NAU, Navsari
17.5.28	Damage potential of yellow mite, <i>Polyphago tarsonemus latus</i> (Banks) on capsicum under protected cultivation	Approved	Prof. & Head, Dept. of Ento, NMCA, NAU, Navsari
17.5.29	Estimation of crop loss due to spider mite on okra in field condition	Approved	Prof. & Head, Dept. of Ento, NMCA, NAU, Navsari
17.5.30	Management of rice sheath mite using acaric-fungal pathogen.	Approved	Prof. & Head, Dept. of Ento, NMCA, NAU, Navsari
17.5.31	Monitoring of mite pest status in organic vegetable growing system <i>vis-à-vis</i> non-organic system in brinjal and okra crops	Approved	Prof. & Head, Dept. of Ento, NMCA, NAU, Navsari
17.5.32	Population dynamics of mites infesting marigold	Approved	Prof. & Head, Dept. of Ento, NMCA, NAU, Navsari


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17.5.33	Management of spider mite in marigold	Approved	Prof.& Head, Dept. of Ento, NMCA, NAU, Navsari
17.5.34	Survey of coconut rugose spiralling whitefly (RSWF), <i>Aleurodicus rugioperculatus</i> Martin and its natural enemies in Valsad and Navsari district of South Gujarat	Approved	Prof.& Head, Dept. of Ento, NMCA,NAU, Navsari
17.5.35	Management of rugose spiralling whitefly, <i>Aleurodicus rugioperculatus</i> Martin in coconut under south Gujarat condition	Approved	Prof.& Head, Dept. of Ento, NMCA,NAU, Navsari
17.5.36	Survey of fruit fly infesting major fruits and cucurbit vegetable crops of south Gujarat	Approved	Prof.& Head, Dept. of Ento, NMCA,NAU, Navsari
17.5.37	Evaluation of various insecticides as lure toxicant against fruit fly in mango orchard	Approved	Prof.& Head, Dept. of Ento, NMCA,NAU, Navsari
17.5.38	<i>In vitro</i> compatibility of <i>Lecanicillium lecanii</i> with insecticides	Approved	Prof.& Head, Dept. of Ento, NMCA, NAU, Navsari
17.5.39	Survey and surveillance of natural enemies in organic mango orchard	Approved	Prof.& Head, Dept of Pl. Prot. ACHF, NAU, Navsari
17.5.40	Survey and surveillance of natural enemies of okra under field condition	Approved	Prof.& Head, Dept of Pl. Prot. ACHF, NAU, Navsari
17.5.41	Evaluation of ardu (<i>Ailanthus excelsa</i> Roxb.) germplasm against web worm	Approved	Professor of Entomology CoF, NAU, Navsari

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17.5.42	Management of yellow stem borer of paddy under south Gujarat Conditions	Approved	Assistant Research Scientist MRRC, SWMRU, NAU Navsari
17.5.43	Non chemical management of mango hopper under south Gujarat condition.	Approved	Assistant. Prof. Hort. Polytechnic Dept. of Ento, ACHF, NAU, Navsari
17.5.44	Morphological basis of resistance in pigeonpea (<i>Cajanus cajan</i> (L.) Millspaugh) against pod borer complex	Approved	Assistant Professor, CoA, NAU, Bharuch
17.5.45	Evaluation of biopesticides against pod borers infesting green gram	Approved	Assistant Professor, CoA, NAU, Bharuch
17.5.46	Studies on effect of augmentation of pollination by bees (<i>Apis cerana</i> F.) on yield of bitter melon	Approved	Principal, CoA, NAU, Waghai
17.5.47	Survey and surveillance of mango hoppers in Surat district	Approved	Assistant Professor, ASBI, NAU, Surat
17.5.48	Survey of natural enemies of insect pest of mango in Surat district	Approved	Associate Professor, ASBI, NAU, Surat
17.5.49	Evaluation of different modules against pink bollworm in Bt cotton	Approved	Associate Research Scientist, MCRS, NAU, Surat
17.5.50	Investigation on premature dropping of reproductive parts of cotton due to biotic stress	Approved	Associate Research Scientist, MCRS, NAU, Surat
17.5.51	Evaluation of different insecticides against sucking pests in Bt cotton	Approved	Associate Research Scientist, MCRS, NAU, Surat


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17.5.52	Evaluation of different oils for the management of rice weevil, <i>Sitophilus oryzae</i> (Linnaeus) against stored sorghum	Approved	Assistant Research Scientist, MSRS, NAU, Surat
17.5.53	Seasonal incidence with different dates of sowing on incidence of insect pests of finger millet	Approved	Assistant Research Scientist, HMRS, NAU, Waghai (Dang)
17.5.54	Evaluation of little millet (<i>Panicum miliare</i>) initial advanced varieties to shoot fly (LIAVT)	Approved	Assistant Research Scientist, HMRS, NAU, Waghai (Dang)
17.5.55	Evaluation of finger millet initial varieties against insect pests (FMIVT)	Approved	Assistant Research Scientist, HMRS, NAU, Waghai (Dang)
17.5.56	Evaluation of finger millet advanced varieties against insect pests (FMAVT)	Approved	Assistant Research Scientist, HMRS, NAU, Waghai (Dang)
17.5.57	Population dynamics of mango hopper and its natural enemies under Ultra High-Density Plantation	Approved	Assistant Research Scientist (Entomology), AESS, NAU, Paria
17.5.58	Studies on the foraging behavior of pollinators in Cashew (<i>Anacardium occidentale</i> L)	Approved	Assistant Research Scientist (Entomology), AESS, NAU, Paria
17.5.59	Study the activity period of honeybees in muskmelon (<i>Cucumis melo</i>)	Approved	Assistant Professor., Hort. Polytechnic, NAU, Paria
17.5.60	Management of thrips complex in banana by using botanicals and biopesticides	Approved	Assistant Research Scientist (Entomology), FRS, Gandevi

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17.5.61	Assessment on major insect pests of mango and their management adopted by farmers at Navsari district of Gujarat	Approved	Scientist (Plant Protection), KVK, NAU, Navsari
17.5.62	Awareness and adoption of plant protection measures among pigeonpea growers in tribal belt of Surat district	Approved	Scientist, (Plant Protection), KVK, Surat
17.5.63	Survey of Fall Army Worm infesting Maize in Narmada district.	Approved	Scientist (Plant Protection), KVK, Dediapada
17.5.64	Dissipation behaviour and safety assessment of afidopyropen residues in/on brinjal	Approved	Assistant Professor (Residue Chemistry) FQTL, NAU, Navsari
NEW TECHNICAL PROGRAMME PLANT PATHOLOGY (40)			
17.5.65	Compatibility of NAUROJI Azotobacter [<i>Azotobacter chroococcum</i> (DLRA-Chro-1)] with different agrochemicals	Approved	Professor & Head Department of Plant Pathology NMCA, NAU, Navsari
17.5.66	Compatibility of NAUROJI PSB (<i>Bacillus megaterium</i>) with different agrochemicals	Approved	Professor & Head Department of Plant Pathology NMCA, NAU, Navsari
17.5.67	Compatibility of NAUROJI KMB (<i>Frateuria aurantia</i>) with different agrochemicals	Approved	Professor & Head Department of Plant Pathology NMCA, NAU, Navsari
17.5.68	Compatibility of NAUROJI Acetobacter (<i>Gluconacetobacter diazotrophicus</i>) with different agrochemicals	Approved	Professor & Head Department of Plant Pathology NMCA, NAU, Navsari

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17.5.69	Compatibility of NAUROJI Azospirillum [<i>Azospirillum lipoferum</i>] with different agrochemicals	Approved	Professor & Head Department of Plant Pathology NMCA, NAU, Navsari
17.5.70	Compatibility of NAUROJI Rhizobium (<i>Rhizobium leguminosarum</i>) with different agrochemicals	Approved	Professor & Head Department of Plant Pathology NMCA, NAU, Navsari
17.5.71	Compatibility of NAUROJI <i>Pseudomonas</i> (<i>Pseudomonas fluorescens</i>) with different agrochemicals	Approved	Professor & Head Department of Plant Pathology NMCA, NAU, Navsari
17.5.72	Management of bacterial wilt of brinjal	Approved	Prof. & Head, Dept. of Pl. Path., NMCA, NAU, Navsari
17.5.73	Evaluation of fungicides and insecticides against <i>Trichoderma viride</i>	Approved	Professor & Head Department of Plant Pathology NMCA, NAU, Navsari
17.5.74	Management of damping off of tomato in greenhouse condition	Approved	Professor & Head Department of Plant Pathology NMCA, NAU, Navsari
17.5.75	Eco-friendly Management of Mango Post harvest diseases	Approved	Professor & Head Department of Plant Pathology NMCA, NAU, Navsari
17.5.76	Prevalence and Loss Assessment of Mango Post harvest diseases	Approved	Professor & Head Department of Plant Pathology NMCA, NAU, Navsari



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17.5.77	Management of Stemphylium blight of onion	Approved	Professor & Head Department of Plant Pathology NMCA, NAU, Navsari
17.5.78	Spore harvesting techniques of <i>Trichoderma viride</i> Pers.ex.Fr.	Approved	Professor & Head Department of Plant Pathology NMCA, NAU, Navsari
17.5.79	Screening of Tomato and Brinjal Genotypes/Cultivars against Damping off	Approved	Professor & Head Department of Plant Pathology NMCA, NAU, Navsari
17.5.80	Diversity of fungal endophytic communities from paddy (<i>Oryza sativa</i> L.) and their antagonistic activities in <i>in vitro</i>	Approved	Professor & Head Department of Plant Pathology NMCA, NAU, Navsari
17.5.81	Evaluation of okra varieties for their reaction to Okra yellow vein mosaic virus (OYVMV) and whitefly, <i>Bemisia tabaci</i> in polyhouse condition	Approved	Prof. & Head, Dept.of Plant Protection.ACHF, NAU, Navsari
17.5.82	Evaluation of Ardu (<i>Ailanthus excelsa</i> Roxb.) germplasm against powdery mildew disease	Approved	Prof.& Head, Dept.of Plant Protection.ACHF, NAU, Navsari
17.5.83	Evaluation of bush type French bean varieties against leaf spot disease under naturally ventilated polyhouse	Approved	Prof.& Head, Dept.of Plant Protection.ACHF, NAU, Navsari
17.5.84	Evaluation of sugarcane zonal varieties for resistance to pokkah boeng	Approved	Assistant Research Scientist, (Pathology) MSRS,Navsari


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17.5.85	Management of yellow leaf disease through meristem culture combined with molecular diagnostics	Approved	Assistant Research Scientist., (Pathology) MSRS, Navsari
17.5.86	Efficient deliver of fungicides and other agro inputs to manage major fungal diseases in sugarcane	Approved	Assistant Research Scientist., (Pathology) MSRS, Navsari
17.5.87	Evaluation of sugarcane zonal varieties for resistance to brown rust	Approved	Assistant Research Scientist., (Pathology) MSRS, Navsari
17.5.88	Evaluation of fungicides against the sheath blight of rice	Approved	Assistant Research Scientist (Pathology)MRRC ,NAU,Navsari
17.5.89	Assessment of incidence of die-back disease in high and ultra-high-density plantation in mango	Approved	Assistant Research Scientist (Pathology)SWM RU,NAU, Navsari
17.5.90	Screening of Indian bean entries against yellow mosaic and powdery mildewdisease	Approved	Assistant Research Scientist (Pathology),PCRS, NAU, Navsari
17.5.91	Management of powdery mildew disease of mungbean	Approved	Assistant Research Scientist (Pathology),PCRS, NAU, Navsari
17.5.92	Evaluation of endophytic bacteria against Anthracnose of Banana	Approved	Assistant Professor (Pathology), CoA, Bharuch
17.5.93	Estimation of yield losses caused by diseases in pigeon pea (<i>Cajanus cajan</i> (L.) Millsp.)	Approved	Assistant Professor (Pathology), NARP, CoA, Bharuch


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17.5.94	Occurrence and Diagnosis of Foliar Diseases in Cotton Growing Regions of Bharuch Jurisdiction	Approved	Assistant Research Scientist (Pathology), CRS, NAU, Bharuch
17.5.95	Evaluation of locally available substrates and their combinations for the cultivation of milky mushroom in the Dangs	Approved	Assistant Professor (Pathology), CoA, NAU, Waghai (Dang)
17.5.96	Nutritional Analysis of cultivated and naturally available edible mushrooms from the Dang district of south Gujarat	Approved	Assistant Professor (Pathology), CoA, NAU, Waghai (Dang)
17.5.97	Studies on production potential of different <i>Pleurotus</i> spp. (Oyster Mushroom)	Approved	Assistant Professor (Pathology), CoA, NAU, Waghai (Dang)
17.5.98	Impact of different level of Calcium Carbonate (CaCO ₃) on Growth and yield of Oyster Mushroom (<i>Pleurotus</i> Spp.)	Approved	Assistant Professor (Pathology), CoA, NAU, Waghai (Dang)
17.5.99	Evaluation of different fungicides against boll rot and foliar diseases of cotton	Approved	Assistant Research Scientist (Pathology), MCRS, NAU, Surat
17.5.100	Evaluation of fungicides against Sugary disease of sorghum	Approved	Assistant Research Scientist (Pathology), MSRS, NAU, Surat
17.5.101	Survey of various diseases of okra in Tapi district	Approved	Assistant Professor, (Pathology) Polytechnic in Agriculture, Vyara


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17.5.102	Integrated management of post-harvest diseases (anthracnose, shoulder browning, stem end rot and <i>Aspergillus</i> rot) of mango fruits	Approved	Asstt. Res. Sci. (Entomology) AES, NAU, Paria
17.5.103	Evaluation of fungicides against mango powdery mildew	Approved	Assistant Research Scientist (Pathology), AES, NAU, Paria
17.5.104	Survey of anthracnose and powdery mildew of mango in Surat district	Approved	Scientist (Plant Protection), KVK, NAU, Surat
17.5.105	Survey of diseases of rice in The Dangs district	Approved	Scientist (Plant Protection), KVK, NAU, Waghai

17.6 Basic Science


No.	Title	Suggestions	Action to be taken by
	Recommendations of farming community		
	NIL		
	Recommendations for scientific community		
17.6.1	Study of free living nitrogen fixing bacterial diversity with respect to seasonal variation.	Approved with following suggestions: ➤ Delete "It is informed to scientific community"	Principal, CoA NAU, Bharuch
17.6.2	Optimization of expression level of recombinant protein from E. coli host strain BL21(DE3)	Approved with following suggestions: ➤ Delete "It is informed to scientific community"	Professor & Head, Dept. of Plant Molecular Biology & Biotech, ACHF, NAU, Navsari
17.6.3	<i>in silico</i> characterization of different banana bunchy top virus (BBTV)	Approved with following suggestions: ➤ Delete "It is recommended to the scientific community"	Principal and Dean ASBI, NAU, Surat


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List of the new technical programmes			
17.6.4	Evaluation of cultural cellulase producing bacteria from indigenous cow dung	Approved	COA, NAU, Bharuch
17.6.5	Comparative expression analysis of pectate lyase from native host and heterologous host	Approved	PMBB, ACHF, NAU, Navsari
17.6.6	Laccase secreted by the alkaline tolerant bacteria: Identification, molecular characterization and heterologous expression	Approved	PMBB, ACHF, NAU, Navsari
17.6.7	Isolation and identification of endophytes from <i>Furcraea gigantea</i> for their in vitro plant growth promoting attributes	Approved	ASBI, NAU, Surat
17.6.8	Optimization of physiochemical parameters for protease production by bacterial isolate under solid state fermentation (SSF)	Approved	ASBI, NAU, Surat
17.6.9	Micropropagation of malabar neem (<i>Melia dubia</i>)	Approved	ASBI, NAU, Surat
17.6.10	Identification of sex linked DNA markers for sex determination in dioecious Papaya (<i>Carica papaya</i> L.)	Approved	ASBI, NAU, Surat
17.6.11	<i>in silico</i> identification of natural fungicide analogus to mancozeb against <i>Fusarium graminearum</i>	Approved	ASBI, NAU, Surat


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17.6.12	Nutritional profiling of different Tannia (<i>Xanthosoma sagittifolium</i>) genotypes	Approved	Soil chemistry, NMCA, NAU, Surat
17.6.13	Biochemical Changes Associated With Storage Period In Sweet Potato	Approved	Soil chemistry, NMCA, NAU, Surat
17.6.14	Phytochemical Composition and Antimicrobial Actions of Aqueous and Ethanolic Extracts of the Peels and leaves of Lesser Yam Genotypes	Approved	Soil chemistry, NMCA, NAU, Surat
17.6.15	Development of tissue culture protocol for chrysanthemum novel mutants	Approved	Dept. of GPB (Pl. Physiology, NMCA
17.6.16	Micropropagation of bamboo species through axillary bud	Approved	Dept. of GPB (Pl. Physiology, NMCA
17.6.17	Effect of water stress on growth, yield and quality parameters of niger genotypes	Approved	Dept. of GPB (Pl. Physiology, NMCA
17.6.18	A Comparative Assessment of Body Composition among Scientists, Academicians, and Non-Teaching staff of Navsari Agricultural University	Approved	Vanbandhu College Veterinary Science & Animal Husbandry, NAU, Navsari
17.6.19	Bio-composting of rice and finger millet straw by potent cellulolytic isolates	Approved	CoA, NAU, Waghai


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17.6.20	Response of finger millet (<i>Eleusine coracana</i> (L.) Gaertn.) genotypes to osmotic stress and salinity stress at seedling stage	Approved	CoA, NAU, Waghai
17.6.21	Phytochemical screening and determination of antioxidant activity of different mango cultivars	Approved	ACHF, NAU, Navsari
17.6.22	Exploring cellulolytic bacteria as cotton stalk degrader	Approved	MCRS, NAU, Surat
17.6.23	Effect of storage condition and packaging on seed germination of different cotton species	Approved	MCRS, Surat
17.6.24	Screening of cotton genotype under saline environment	Approved	MCRS, Surat
17.6.25	Management of yellow leaf disease through meristem culture combined with molecular diagnostics	Approved	Main Sugarcane Research Station, NAU, Navsari
17.6.26	Morpho-physiological and biochemical changes in greengram (<i>Vigna radiata</i> (L.) Wilczek) genotypes under drought stress	Approved	CoA, NAU, Waghai
17.6.27	Development of Fuzzy based decision making model	Approved	CoA, NAU, Waghai
17.6.28	Forecasting of monthly stream flow of Tapi River, Gujarat	Approved	Dept. of Agril. Eng., NMCA, NAU, Navsari


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17.7 Agricultural Engineering

No.	Title	Suggestions	Action to be taken by
Recommendations of farming community			
17.7.1	Effect of laser levelling on water use efficiency and growth of gram crop	Approved with following suggestions: ➤ Remove “Semi arid to dry sub-humid climate (AES-II)”	Head, FMP, CAET, Dediapada
17.7.2	Design and development of economical manual harvesting tool	Approved with following suggestions: ➤ Write “up to 37 %” ➤ Remove word “farmer”	Head, FMP, CAET, Dediapada
17.7.3	Comparative Studies on the different drying methods of ber fruits (<i>Ziziphus mauritiana</i> L.).	Approved with following suggestions: ➤ Add keeping quality data	Head, PFE, CAET, Dediapada
17.7.4	Study on drying characteristics of bitter gourd (<i>Momordica charantia</i> L.).	Approved with following suggestions: ➤ Add keeping quality data	Head, PFE, CAET, Dediapada
17.7.5	Design, development and performance evaluation of mixed mode cabinet solar dryer.	Approved	Head, REE, CAET, Dediapada
17.7.6	Modification of NAU designed hold-on type power operated paddy thresher	Approved with following suggestions: ➤ Replace “અશક્તિ” with “હોર્સપાવર”	Head, Deptt. of Agril. Engg. NMCA, Navsari
17.7.7	Effect of lateral and open drain spacing on growth and yield of kharif sown pigeon pea with irrigation through drip during rabi season under South Gujarat conditions	Approved with following suggestions: ➤ Write “recommended” instead of “advised” ➤ Delete “heavy rainfall zone (AES III)”	Research Scientist, SWMRU, Navsari

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17.7.8	Evaluation of irrigation interval for summer rice in respect to irrigation depth	Approved with following suggestions: ➤ Write “recommended” instead of “advised” ➤ Mention irrigation period ➤ Delete “heavy rainfall agro climatic zone”	Research Scientist, SWMRU, Navsari
Recommendation for Scientific community			
17.7.9	Development of Erodibility Map for Dang district	Approved	Head, Dept. of Agril.Engg. NMCA, Navsar
17.7.10	Development of dynamic mobile app to rectify the updation of Kisan Mitra app of NAU	Approved	Head, Statistic, NMCA, Navsari
List of the new technical programmes			
17.7.11	Development of dry powder from mahua (<i>Madhuca Longifolia</i>) flower.	Approved	Head, Processing and food Engineering, CAET, Dediapada
17.7.12	Measurement of actual evapotranspiration of <i>various crops</i> of South Gujarat by adaption of low budget lysimeter.	Approved	Head, Department of Agricultural Engineering, NMCA, Navsari
17.7.13	Combine effect of drip and micro sprinkler irrigation in bitter gourd and leafy vegetable (coriander) under two tier cropping system	Approved	Research Scientist, Soil and water management Research Unit, NAU, Navsari
17.7.14	study on Technical feasibility and Development of Online Digital Medicinal Plants Identification and Knowledge Management System	Approved	Dean, AABMI, NAU, Navsari


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17.7.15	Design and performance evaluation of solar photovoltaic cooking system	Approved	Head, Dept. of Renewable Energy Engineering, CAET, NAU, Dediapada
17.7.16	Evaluation of box and concentrating type Solar Cooker for feasibility of herbal oil.	Approved	Head, Dept. of Renewable Energy Engineering, CAET, NAU, Dediapada
17.7.17	Effect of Various Tillage Practices in Established Mango Orchard	Approved	Head, Dept. of Agricultural Engineering, NMCA, Navsari
17.7.18	Conduct survey of solar pumps installed in farmers field in Dediapada Taluka.	Approved	Head, Dept. of Basic Engineering & Applied Sciences, CAET, NAU, Dediapada
17.7.19	Development of Erodibility Map for Dediapada Taluka	Approved	Head, Dept. of Basic Engineering Applied Sciences, CAET, NAU, Dediapada
17.7.20	Estimation of Carbon Sequestration Potential of Trees in CAET and KVK Dediapada Campus	Not Approved	Head, Dept. of Basic Engineering Applied Sciences, CAET, NAU, Dediapada
17.7.21	Response of drip irrigation on growth and yield of D x T coconut (<i>Cocos nucifera</i> L.) hybrid under south Gujarat condition.	Approved	Head, NRM, CoF, ACHF, NAU, Navsari


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17.7.22	Irrigation Scheduling in Dragon Fruit for South Gujarat Agroclimatic Situation	Approved with following suggestions: ➤ Change the title	Head, NRM, ACHF, NAU, Navsari
17.7.23	Effect of Blanching and Drying on Quality of Oyster Mushroom (<i>Pleurotus ostreatus</i>)	Approved	Head, Center of Excellence on PHT, NAU, Navsari

17.8 Social Science

No.	Title	Suggestions	Action to be taken by
Recommendations of farming community			
17.8.1	Constraints faced by the farmers in purchase of Agro-chemicals for vegetable crops in Bharuch district	Approved with following suggestions: ➤ Add words “pest and diseases”	Asso. Prof. & Head, Agri. Extn., CoA, Bharuch
Recommendations for scientific community			
17.8.2	Development and standardization of scale to measure the attitude of employees towards ICTs apparatus for exploring agricultural information.	Approved	HoD, Extension Education, NMCA, NAU, Navsari
17.8.3	Training needs and constraintsof farmwomen engaged in backyard poultry farming in South Gujarat region.	Approved with following suggestions: ➤ Add word “per unit” ➤ Write gujarati of “back yard poultry farming”	HoD, Vet. Ext., VCVS & AH, NAU, Navsari
17.8.4	Development and standardization of scale to measures knowledge of rural women about the agro-based enterprises.	Approved	Senior Scientist & Head, KVK, NAU, Vyara, Tapi



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17.8.5	Growth and instability analysis of area and production in forestry sector of Gujarat	Approved	Professor & Head, Dept. of Social Sciences, ACHF, NAU, Navsari
17.8.6	Construction of selection indices using different economic coefficients to select optimum selection index in Indian bean (<i>Lablab purpureus</i> L. sweet)	Approved with following suggestions: ➤ Delete last line of recommendation	Prof. & Head, Dept. of Agril. Statistics, NMCA, NAU, Navsari
17.8.7	Stability of sorghum genotype through AMMI model in Gujarat	Approved	Associate Prof., Dept. of Agril. Statistics, CoA, NAU, Bharuch
List of the new technical programmes			
17.8.8	Yield gap analysis of major crops of Narmada district	Approved	Senior Scientist & Head, KVK, NAU, Dediapada
17.8.9	Impact of KVK activities in adopted villages of KVK Dangs	Approved	Senior Scientist & Head, KVK, NAU, Waghai
17.8.10	Knowledge and Adoption of farmers about scientific cultivation of Pigeon pea in Surat district	Approved	Senior Scientist & Head, KVK, NAU, Surat
17.8.11	Nutritional Knowledge of SHG women in Surat District	Approved	Senior Scientist & Head, KVK, NAU, Surat
17.8.12	Perception and adoption of recommended production technology of mango growers in Navsari district	Approved	Senior Scientist & Head, KVK, NAU, Navsari
17.8.13	Knowledge and adoption of recommended plant protection measures by mango growers in Navsari district	Approved	Senior Scientist & Head, KVK, NAU, Navsari


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17.8.14	Opinion of SSK trainees about training environment	Approved	Asst. Extension Educationist, SSK, NAU, Navsari
17.8.15	Socio-economic consequences of COVID-19 pandemic on farming community in South Gujarat	Approved	Professor & Head, Dept. of Social Sciences, ACHF, NAU, Navsari
17.8.16	Identification and prioritizing the thrust areas for agriculture research	Approved	HoD, Extension Education, NMCA, NAU, Navsari
17.8.17	Knowledge of dairy farmers of South Gujarat about zoonotic diseases	Approved	HoD, Vet. Ext., VCVS & AH, NAU, Navsari
17.8.18	Perception of periurban dairy farmers about climate change and strategies adapted	Approved	HoD, Vet. Ext., VCVS & AH, NAU, Navsari
17.8.19	Knowledge level of tribal farmers about improved cultivation practices of cashew in the Dangs district	Approved	Polytechnic in agriculture, CoA, NAU, Waghai
17.8.20	Effectiveness of Extension methods used by KVK for Transfer of Agricultural technology	Approved	Senior Scientist & Head, KVK, NAU, Vyara, Tapi
17.8.21	Knowledge and Adoption about Scientific Cultivation Practices of <i>summer</i> Green Gram by the farmers in Tapi district	Approved	Senior Scientist & Head, KVK, NAU, Vyara, Tapi
17.8.22	Knowledge and attitude of tribal women towards sickle cell anemia status in Tapi district	Approved	Senior Scientist & Head, KVK, NAU, Vyara, Tapi


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17.8.23	Use of pesticides among cotton growers in controlling insect-pests and diseases in Narmada district	Approved	Senior Scientist & Head, KVK, NAU, Dediapada
17.8.24	Knowledge and adoption of Fall Army Worm management technology in Narmada district	Approved	Senior Scientist & Head, KVK, NAU, Dediapada
17.8.25	Indigenous cattle (Dagari): Conserving for future generation	Approved	Senior Scientist & Head, KVK, NAU, Dediapada
17.8.26	Adoption of water and sanitation hygiene practices among tribes of Narmada district	Approved	Senior Scientist & Head, KVK, NAU, Dediapada
17.8.27	Adoption of Improved banana production technology in Narmada district	Approved	Senior Scientist & Head, KVK, NAU, Dediapada
17.8.28	Entrepreneurial behavior of dairy farm women in Bharuch District	Approved	Asso. Prof. & Head, Agri. Extn., CoA, Bharuch
17.8.29	Constraints in adoption of recommended plant protection practices of Cotton in Bharuch district	Approved	Asso. Prof. & Head, Agri. Extn., CoA, Bharuch
17.8.30	Perception of farmers about technological traits of GNP 2 variety of Tur in Bharuch district	Approved	Asso. Prof. & Head, Agri. Extn., CoA, Bharuch


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17.8.31	Capacity building of farmers through training on organic farming practices in Bharuch district of Gujarat State	Approved	Asso. Prof. & Head, CoA, NAU, Bharuch
17.8.32	Total Factor Productivity Growth of Sugar Industry in South Gujarat Region	Approved	Professor & Head, Dept. of Agril. Economics, NMCA, NAU, Navsari
17.8.33	Economic Impact of Agrometeorological Advisory Services for Paddy and Sugarcane in Navsari District	Approved	Professor & Head, Dept. of Social Science, ACHF, NAU, Navsari
17.8.34	Economics of Rabi Sorghum Production in Bharuch district of South Gujarat	Approved	Assistant Professor (Agril. Economics), CoA, Bharuch
17.8.35	Awareness and purchase intention of consumers towards online purchase of fruits and vegetables in Navsari city	Approved	Asst. Professor, Planning cell-DR Office, Navsari
17.8.36	Seasonal variations and Forecasting in Wholesale Prices of Okra in Surat Market	Approved	Principal AABMI, Navsari
17.8.37	The impact of COVID-19 induced lockdown on the wholesale prices of major agricultural commodities in Gujarat	Approved	Principal AABMI, Navsari

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17.8.38	Sources of Risk and Management Strategies among Vegetable Farmers in South Gujarat	Approved	Principal AABMI, Navsari
17.8.39	Impact of National horticulture mission on Gujarat	Approved	Professor & Head, Dept. of Social Science, ACHF, NAU, Navsari
17.8.40	Economics of Gram Production in Tapi District of South Gujarat	Approved	Asst. Professor, Agril. Economics, Polytechnic in Agriculture, Vyara.
17.8.41	Export Performance of major Fruits of India	Approved	Assistant Professor, (Agril. Economics), CoA, Waghai
17.8.42	Management Performance of FPO's in South Gujarat	Approved	Assistant Professor (ABM), Registrar Office, NAU, Navsari
17.8.43	Yield Gap and Profitability Analysis of Bt Cotton in Bharuch District of South Gujarat	Approved	Assistant Professor (Agril. Economics), CoA, Bharuch
17.8.44	Economics and Resource Use Efficiency of Brinjal cultivation in Surat district of Gujarat	Approved	Professor & Head, Dept. of Agril. Economics, NMCA, NAU, Navsari
17.8.45	Time series analysis of cauliflower prices in selected markets of Gujarat	Approved	Professor & Head, Dept. of Agril. Economics, NMCA, NAU, Navsari

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17.8.46	Awareness, Expectation and Influencing Factors for Alumni Involvement among the students of Navsari Agricultural University, Navsari	Approved	Principal AABMI, Navsari
17.8.47	Survey data analysis using different statistical tools	Approved	Prof. & Head, Dept. of Agril. Statistics, NMCA, NAU, Navsari
17.8.48	Population growth study of sheath mites in different rice cultivars using statistical models	Approved	Associate Prof., Dept. of Agril. Statistics, CoA, NAU, Bharuch
17.8.49	Evaluation and development of yardstick of CV for mango experiments for South Gujarat region	Approved	Asst. Professor, Dept. of Agril. Statistics, ACHF, NAU, Navsari

14.9 Animal Health

No.	Title	Suggestions	Action to be taken by
	Recommendations of farming community		
	Nil		
	Recommendations for scientific community		
14.9.1	"Postnatal gross-morphometrical and histomorphological studies on the spleen of goat (<i>Capra hircus</i>)"	Approved with following suggestions: ➤ Remove word "postnatal"	PI through HOD, Department of Veterinary Anatomy
14.9.2	Molecular detection of theileriosis and anaplasmosis in bovine"	Approved	PI through HOD, Department of Veterinary Parasitology
14.9.3	Molecular detection of theileriosis and anaplasmosis in bovine.	Approved	PI through HOD, Department of Veterinary Parasitology

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List of the new technical programmes			
14.9.4	Postnatal gross anatomical and histomorphological studies on the heart of goat (<i>Capra hircus</i>)."	Approved	PI through HOD, Dept. of Vet. Anatomy
14.9.5	Study on antibiogram pattern of bacterial organisms associated with pyoderma infection in dogs.	Approved	PI through HOD, Dept. of Vet. Microbiology
14.9.6	Serodiagnosis of <i>Peste des petits ruminants</i> (PPR) in goats from South Gujarat.	Approved	PI through HOD, Dept of Vet. Pathology
14.9.7	"Clinico-diagnostic and therapeutic study of otitis externa in dogs."	Approved	PIs through HOD, Dept. of Vet. Surgery & Radiology
14.9.8	Comparative study of anaesthetic regimens of butorphanol or buprenorphine with dexmedetomidine as preanaesthetic and propofol as induction & maintenance anaesthesia in dogs.	Approved	PIs through HOD, Dept. of Vet. Surgery & Radiology
14.9.9	Therapeutic Efficacy of Intermittent Haemodialysis (IHD) in Renal Disorders in Dogs.	Approved	PI through HOD, Vet. Medicine
14.9.10	Cryosurvival quality of Surti buck spermatozoa in TRIS-egg yolk citrate extender supplemented with lemongrass (<i>Cymbopogon flexuosus</i>) leaves extract.	Approved	PIs. through HOD, Vet. Gynaecology & Obstetrics


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14.9.11	Comparative efficacy of different concentrations of egg yolk for cryopreservation of Surti Buck semen.	Approved	PIs. through HOD, Vet. Gynaecology & Obstetrics
14.9.12	Comparative study of Ketamine and Propofol as an induction as well as maintenance anaesthetic agent with diazepam for reproductive tract surgery in female dogs.	Approved	PIs. through HOD, Vet. Gynaecology & Obstetrics
14.9.13	To study electrocardiographic and echocardiographic features of cardiac diseases in dogs from south Gujarat. Presented by PI, Dr. S. M. Parmar, Assistant Professor of Vet. Clinical Complex	Approved	PI through HOD, Veterinary Clinical Complex
14.9.14	Therapeutic efficacy of cloprostenol alone or in combination with cabergoline in canine open pyometra.	Approved	PI through HOD, Veterinary Clinical Complex
14.9.15	Potable quality assessment of house hold water supply in Navsari city.	Approved	PI through HOD, Vet. Public Health & Epidemiology
14.9.16	Studies on effect of different oestrogenic agents on post partum reproductive performance in Surti buffalo.	Approved	PI through HOD, Vet. Gynaecology & Obstetrics


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14.9.17	Comparison of film forming solution on wound healing in rats.	Approved	PI through HOD, Department of Vet. Pathology
14.9.18	Microbial air quality assessment of various departmental laboratories of Veterinary College, Navsari.	Approved	PI through HOD, Department of Veterinary Public Health and Epidemiology.

14.10 Animal Production & Fisheries Science

No.	Title	Suggestions	Action to be taken by
Recommendations of farming community			
14.10.1	Time Motion study at organized farm (LRS 1/2019)	Approved with following suggestions: ➤ Write “and” instead of “or” ➤ Replace word “Advised” with “Recommended”	PI Through Research Scientist, LRS, NAU, Navsari
14.10.2	Effect of rumen protected niacin supplementation on sweating rate, oxidative stress and skin temperature during summer in Surti buffaloes (VPB-1/2020)	Approved	PI Through HOD Dept. of Physiology and Biochemistry, NAU, Navsari
14.10.3	Impact of Light Sources on Broiler Performance (ILFC-01/2020).	Approved	PI Through HOD, Dept of ILFC, NAU, Navsari
14.10.4	Assessment of feeding practices, nutritional status and gap for lactating buffaloes in Tapi district (ANN-02/2019)	Approved with following suggestions: ➤ Recast the recommendation paragraph	PI Through HOD Dept of Animal Nutrition, NAU, Navsari
Recommendations for scientific community			
NIL			
List of the new technical programmes			

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14.10.5	Managemental practices and products processing followed by <i>Gaushalas</i> of south Gujarat	Approved	PI Through Research Scientist, LRS, NAU, Navsari
14.10.6	Estimation of genetic trends for growth related traits in Surti goats	Approved	PI Through Research Scientist, LRS, NAU, Navsari
14.10.7	Effect of steaming-up on growth performance of grazing Surti goats and their kids in high rainfall zone of south Gujarat	Approved	PI Through Research Scientist, LRS, NAU, Navsari
14.10.8	Metabolomic study of Gir cow urine	Approved	PI Through Department of Veterinary Physiology and Biochemistry, VCVS&AH, NAU, Navsari
14.10.9	Development of multiplex PCR for detection of canine parvo virus, canine corona virus and canine distemper virus in dogs	Approved	PI Through Department of Animal Biotechnology, VCVS&AH, NAU, Navsari
14.10.10	SNP study in genes related to prolificacy of Surti goats	Approved	PI Through Instructional Livestock Farm Complex, NAU, Navsari
14.10.11	Impact of bedding materials on performance of commercial broilers	Approved	PI Through Instructional Livestock Farm Complex, NAU, Navsari
14.10.12	Effect of corn Silage feeding on growth performance of Surti goat	Approved	PI Through Instructional Livestock Farm Complex, NAU, Navsari


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14.10.13	Effect of soybean and sunflower oil supplementation on production performance and rumen metabolites in Surti does	Approved	PI Through HOD Dept. of Animal Nutrition
14.10.14	Effect of different sources of rumen protected fat supplementation to Dangi cattle during peripartum phase	Approved	PI Through HOD Department of Animal Nutrition
14.10.15	Effect of boron supplementation through drinking water on performance indices in commercial broilers	Approved	PI Through HOD Dept. of Animal Science, N. M. College of Agriculture, Navsari
14.10.16	Nutritional evaluation of commonly available feedstuffs used for livestock feeding in Bharuch district	Approved	PI Through HOD Dept. of Animal Sci., College of Agriculture, Bharuch
14.10.17	Evaluation of value added Chicken egg balls incorporated with different levels of Finger Millet flour	Approved	PI Through HOD Dept. of Livestock Products Technology
14.10.18	Adoption of scientific goat rearing practices by tribal of Tapi district	Approved	PI Through HOD KVK, Vyara
14.10.19	Evaluate the production potential of Asian seabass (<i>Lates calcarifer</i>) and Ladyfish <i>Sillago sihama</i> in plastic lined pond	Approved	PI Through Principal, College of Fisheries Science
14.10.20	Effect of salinity on growth and survival of <i>Sillago sihama</i> juveniles	Approved	PI Through Principal, College of Fisheries Science


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14.10.21	Target animal bio-safety evaluation of Florfenicol in feed administration to marine and freshwater fishes	Approved	PI Through Principal, College of Fisheries Science
14.10.22	Tissue depletion and withdrawal period estimation of Florfenicol in feed administration to <i>Cirrhinus mrigala</i> advance fingerlings	Approved	PI Through Principal, College of Fisheries Science

After the marathon presentation of all the recommendations by the respective conveners, the meeting was ended with the satisfactory remarks and thanks of Hon. Vice Chancellor Dr. Z.P. Patel to all the conveners, active participants and other staff members for their contribution in improvement in different recommendations.

Meeting was ended with vote of thanks proposed by Dr. T. R. Alhawati, Associate Director of Research, NAU, Navsari.

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Navsari. DL 01/04/2021

T. R. Alhawati
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