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Hon'ble Vice Chancellor's Message

Impact of NAHEP-IDP

National Agricultural Higher Education Project (NAHEP) was formulated by ICAR for five years starting from 2017-18 sharing basis between the World Bank and the Government of India. Among the three components of the NAHEP, Institutional Development Plan (IDP) is the major component of investments toward 21st Century Agricultural Universities Education Plan. World Bank sanctioned the IDP for Junagadh Agricultural University (JAU) with budget outlay of thirty crores rupees on the theme "Artificial Intelligence, Robotics and Drone Technology in Agriculture". The aim of IDP of JAU was to improve competency of faculty and education quality at UG level students in all faculties.



This project has strengthened human resource capabilities by exposing students to international environment of agricultural education. Total 24 students got exposure to International Renowned Institutions viz., UC Davis, USA, AIT, Thailand, ICBA, Dubai, UAE, AVRDC, Taiwan.

The project had pillared on fast-learning of emerging technologies like robotics & artificial intelligence so as to meet the demand for highly skilled workers; to reduce drudgery in farm operations and to better explore the needs of biological variability, human interference and inspection, decision making and action in the field of agriculture and allied disciplines. World Class AI Lab established at JAU with advanced instruments and equipment for teaching, demonstration and research in artificial intelligence (AI), machine learning (ML), Drones, automation, robotics and green house cultivation technology.

National level Trainings, Seminars, Workshops were organized on different Entrepreneurship Courses, Vocational courses, Certification courses and Skill development courses under IDP benefitting more than 16000 including 13000 students and 3000 faculties. Three New Pilot Courses were introduced as elective courses of Artificial intelligence in agriculture, Precision agriculture and animal husbandry and Robotics in agricultural engineering.

Three portals viz. Student Placement Portal, Alumni Promotion Portal and Learning Resource Development Portal were developed under IDP which helps to upgrade the Students Sports and Health Facilities. Ten students started their own business and became Entrepreneurs. Total 22 students got placement through NAHEP-IDP activities in different companies.

JAU registered outstanding performance in Annual Review of IDP and Ranked First, consecutively two times in all IDPs of various institutes of India. As an impact of interventions made under IDP, JAU was among the only five Universities of Gujarat to get 5-star rating by Gujarat State Institutional Rating Framework' (GSIRF) 2021.



(V. P. Chovatia)

JAU Secured 5th Position in GSIRF-2021 with "Five star rating"

Knowledge Consortium of Gujarat has started the "Gujarat State Institutional Rating Framework" (GSIRF) rating as per NIRF ranking for the universities of Gujarat state. Akin to NIRF, the parameters of GSIRF are similar, except for the differentiation between ranking & ratings. Recently KCG had released the results of the "Gujarat State Institutional Rating Framework" (GSIRF-2021) on June 22, 2021. On this occasion, Hon'ble Governershri of Gujarat Shri Acharya Devvratji, Hon'ble Minister of Education Shri Bhupendrasinh Chudashama, Hon'ble Minister of Education (State) Shrimati Vibhavariben Dave, all the Vice Chancellors of the Universities of Gujarat State, Secretary (Education Department) Gujarat State and other officers of education department were remain of present. A total 35 universities and 189 colleges/institutions from all over Gujarat state participated in GSIRF 2021. Among which 5 universities have excelled with a 5-star rating in the category of university.



Junagadh Agricultural University has secured fifth position among all the Universities of Gujarat State with "Five Star Rating" and it is the only Agricultural University to secure Five Star rating with first position among all the Agricultural Universities of Gujarat State. Hon'ble Vice Chancellor Dr. V. P. Chovatia has congratulated to all University officers and staff members for securing the five-star rating among all the universities of Gujarat state and in future also Junagadh Agricultural University will maintain the highest ranking and contribute in the state and nation development with the keen efforts of all the staff members of the university.

New Varieties Released

Groundnut Variety GG 37 (TG 73: Sorath Gaurav)

The Spanish bunch groundnut variety Gujarat Groundnut 37 [GG 37 (TG 73): Sorath Gaurav] recorded mean pod yield of 3218 kg/ha, which was 20.77, 19.11 and 14.33% higher over the check varieties, GG 6 (2398 kg/ha), GJG31 (2702 kg/ha) and TG 37A (2815 kg/ha), respectively. This variety has also recorded high kernel yield, oil yield and number of pods per plant over the check varieties.

This variety was found comparable to the check varieties against tikka, stem rot and collar rot diseases. The damage due to thrips in GG 37 (TG 73) was also comparable to the check varieties.



Groundnut Variety GG 38: Sorath Navin

The spanish bunch groundnut variety Gujarat Groundnut 38 (GG 38: Sorath Navin). This variety has recorded mean pod yield of 2966 kg/ha, which was 31.53, 33.12 and 10.87% higher over the check varieties, GG 7 (2255 kg/ha), GJG 9 (2228 kg/ha) and TG 37A (2675 kg/ha), respectively. This variety has also recorded high kernel yield and high oil yield over the check varieties. This variety was found comparable to the check varieties against tikka, rust, stem rot and collar rot diseases. The damage due to leaf defoliators in GG 38 was also comparable to the check varieties.



Gujarat Cotton Hybrid-24 BG-II: Sorath Sweet Kanak

Gujarat Cotton Hybrid-24 BG-II (G.Cot.Hy-24 BG-II: Sorath Sweet Kanak) recorded 3070 kg/ha seed cotton yield, which was 45.4, 53.3, 45.1 and 20.9 per cent higher over BG-II check hybrids viz., G.Cot.Hy-12 (1943 kg/ha), RCH-2 (1843 kg/ha), MRC-7351 (2285 kg/ha) and PCH-4599 (2741 kg/ha), respectively.



This hybrid gave lint yield of 1076 kg/ha which was 55.7, 61.1, 60.2 and 29.3 percent higher over BG - II check hybrids G.Cot.Hy-12 (635 kg/ha), RCH-2 (614 kg/ha), MRC-7351 (726 kg/ha) and PCH-4599 (899 kg/ha), respectively. It possesses 33.9 percent

ginning outturn. This hybrid is medium in maturity. It is found resistant to alternaria leaf spot and bacterial leaf blight disease and found moderately resistant against sucking pests.

Gujarat Hybrid Bajra (GHB 1231: Sawaj Shakti)

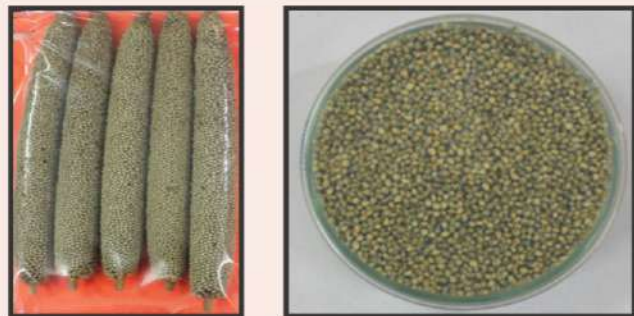
Gujarat Hybrid Bajra (GHB 1231: Sawaj Shakti) recorded average 5737 kg/ha grain yield, which was 48.4 and 12.4 per cent higher than check hybrids GHB558 and GHB732, respectively. It has also recorded average 8193 kg/ha dry fodder yield, which was 27.1 and 7.5 per cent higher than check hybrids GHB 558 and GHB 732, respectively. This dual purpose (grain and dry fodder) biofortified hybrid also gave higher grain yield than private sector check hybrid.



During semi *rabi*, this hybrid recorded average 4485 kg/ha grain and 8212 kg/ha dry fodder yield, which was 30.9 and 16.1 % higher than check hybrid GHB538 in Saurashtra region. The hybrid is resistant against major pearl millet diseases like downy mildew, blast and rust and pest like shoot fly and stem borer. The grains of this hybrid possess higher content of Fe (> 70 ppm) and Zn (> 40 ppm) which is additional benefit to the farming and consumer community of pearl millet for their nutritional security.

Gujarat Hybrid Bajra GHB 538: Maru Sona

Gujarat Hybrid Bajra 538(EDV for DM) [GHB 538 (EDV for DM): Maru Sona] is downy mildew disease resistant and early maturing hybrid. This hybrid recorded average grain yield of 2589 kg/ha which is 3.5 percent higher than check hybrid GHB 538. It has also recorded 6320 kg/ha dry fodder yield which is 10.8 percent higher than check hybrid GHB 538. The hybrid is resistant against pearl millet diseases like blast and rust and pests like shoot fly and stem borer.



Gujarat Gram 7 (GG 7: Sorath Suraj)

Gujarat Gram 7 (GG 7: Sorath Suraj) variety produced 1859 kg/ha seed yield which was 43.3, 30.3, 18.4 and 9.0 per cent higher over check varieties Gujarat Gram 1 (1297 kg/ha), Gujarat Gram 2 (1427 kg/ha), Gujarat Junagadh Gram 3 (1570 Kg/ha) and Gujarat Junagadh Gram 6 (1706 Kg/ha), respectively. Seeds of this variety are of large size and brown in colour. This variety is resistant to stunt disease and resistant to moderately resistant against wilt disease. It showed low pod borer damage. This variety has higher protein (23.65 %) and zinc (33.50 ppm) content as compared to the check varieties.



Gujarat Kabuli Gram 1 (GKG 1: Sorath Kabuli 1)

Gujarat Kabuli Gram 1 (GKG 1: Sorath Kabuli 1) is early maturing variety. In South Saurashtra, it recorded 2790 kg/ha seed yield, which is 14.7, 22.8 and 42.6 per cent higher over check varieties KAK2, JGK 1 and PG 0517, respectively; in North Saurashtra, it produced 1875 kg/ha seed yield, which is 29.8 and 20.7 per cent higher over KAK 2 and JGK 1, respectively. As seeds of this variety are of extra-large size (43.5 g/100 seeds), it is suitable for export purpose. This variety has good level of resistance against stunt disease with low pod borer damage. It has higher dal recovery (67.45 %), protein (23.60 %), iron (63.78 ppm) and zinc (35.40 ppm) content. This is the first Kabuli variety from Gujarat.



Inauguration of Virtual Classroom & Agri Diksha Web Education Channel

Shri Narendra Singh Tomar, Hon'ble Minister of Agriculture and Farmers' Welfare, Government of India inaugurated the 'Virtual Classroom and Agri-Diksha Web Education Channel' established at JAU, Junagadh under NAHEP-II on April 16, 2021 in the auspicious presence of Shri Parshottam Rupala, Hon'ble Minister of State for Agriculture & Farmers' Welfare, Government of India; Dr. Trilochana

Mohapatra, Hon'ble Director General & Secretary (DARE), ICAR; Shri Sanjay Kumar Singh, Additional Secretary, DARE & Secretary; Dr. R.C. Agrawal, DDG (Education), ICAR; Dr. Rajender Parsad, Director, IASRI and Dr. Sudeep Marwah, PI, NAHEP (component-2). JAU, Junagadh was among one of the 18 SAUs honoured to have the facility of virtual classroom established at main Campus. Dr. V. P. Chovatia, Hon'ble Vice Chancellor, JAU, Junagadh along with university officers graced the function.



While inaugurating the facility, Hon'ble Minister Shri Narendra Singh Tomar congratulated all the officials involved in establishing the virtual classrooms and opined that such facilities will help in disseminating the knowledge to all the stakeholders including students of agriculture and allied sciences.

JAU Launched Android based Mobile Application for Community Radio Station

Junagadh Janvani 91.2 MHz FM is a Community Radio Station of Junagadh Agricultural University broadcasting programmes on agriculture and its allied fields along with on subjects like; science, education, health, food & nutrition etc. The area covered under transmitter is about 12 km around the JAU campus. To reach to the large community of farmers, JAU launched Android based Mobile Application "JUNAGADH JANVANI" which can be downloaded from the Play Store in any Android phone. Now the broadcasting of CRS can be listened in anywhere in the world.



Dr. V. P. Chovatia, Hon'ble Vice Chancellor and Dr. H. M. Gajipara, Director of Extension Education launched the app prepared by Mr. Devdatt Bhatt of Bhavnagar and was gifted to JAU. The app was

launched on June 23, 2021 as a part of celebration of Sixth Anniversary of inception of CRS. Prof. V. M. Bhatt, Station In-charge, briefed about journey various facets of CRS. The members of Steering Committee and Advisory Committee and University Officers participated in the event and made it successful.

Varsha Vignan Parisanvad

Junagadh Agricultural University in collaboration with Junagadh Varsha Vigyan Mandal had successfully organized a one day online *Varsha Vignan Parisanvad* on June 7, 2021. In the inaugural speech, Dr. V. P. Chovatia, Hon'ble Vice Chancellor, JAU, Junagadh emphasized more on the importance of rain forecasting in agriculture and related activities. Twenty forecasters presented their views on monsoon 2021. The president of the Mandal, and DEE, JAU, Junagadh Dr. H. M. Gajipara welcomed all participants. He expressed the importance of monsoon forecasting for selection and planning of a crop. The meeting was concluded with a conclusion that the year is likely to be moderate and heavy rains are expected in the third to fourth week of July for this year.



International Virtual Seminar

An International Virtual Seminar on "Health of Mother Earth: Conservation of Ecosystem and Biodiversity for Sustainable Development" was organized by All India Women's Conference (AIWC), New Delhi and Junagadh Agricultural University on June 4, 2021 on the Eve of World Environment Day.



Dr. V. P. Chovatia, Patron and Hon'ble Vice Chancellor, JAU; Dr. A. R. Pathak, Chairperson and Former Vice Chancellor, JAU & NAU; Mrs. Sheela Kakde, Hon'ble National President, AIWC, New Delhi; Dr. Bhavnaben Joshipura, Seminar Organiser, Chief Coordinator and National Vice President, AIWC, New Delhi; Ms. Cheryl Hayles, Chairperson, International Alliance of Woman; Mrs. Kalyani Raj, MIC, Environment and Climate

Change, AIWC, New Delhi; Mr. Swetal Shah, Technical Advisor, Department of Climate Change, Government of Gujarat graced the function. About 950 participants including faculty members, students, women and other officials all over the country have registered and participated in the seminar. The theme lectures delivered were: Soil Health and Climate Change by Dr. A. R. Pathak, Conservation of Ecosystem and Biodiversity for Sustainable Development by Dr. V. P. Chovatia, Knowledge, Commitment and Collaboration can lead to a Better World by Mrs. Kalyani Raj and Climate Change and the Role of Citizens by Mr. Swetal Shah. Vote of thanks was proposed by Dr. R. K. Mathukia.

Celebration of Days

World No-Tobacco Day

A seminar was conducted on May 31, 2021 on "Addiction is Destruction" as a part of the World No Tobacco Day by the National Service Scheme of the University. Total 75 UG students of Agriculture faculty participated. This programme was chaired by Dr. P. M. Chauhan, Registrar. He motivated the participants through his presidential remarks and appealed the students for avoiding tobacco due to its ill effects. In this seminar, Shri Viveknishth Swami, BAPS, Sarangpur (Dist. Botad) shared his thoughts and made students aware about how people are losing their lives due to addiction.

Post Graduate Institute of Agri Business Management, JAU, Junagadh also celebrated World No-Tobacco Day on May 31, 2021. Dr. K. A. Khunt, Principal & Dean along with all teaching and non-teaching staff discussed and made everyone aware of hazardous effects of tobacco consumption. Many faculties also shared their ideas for saving the new generation from the addiction of tobacco. He requested the hostel rector to spread the awareness of hazardous effect of tobacco among the students residing in the hostel.

World Environment Day

National Service Scheme of the University organized a Tree Plantation Programme on June 5, 2021 as a part of Celebration of World Environment Day. For this tree plantation 12 plants were sown as per Cardiac Sign (*Rashi*) of the respective person. Dr. V. P. Chovatia, Hon'ble Vice Chancellor had sown Gooler (*Ficus racemosa*) plant. This planted area will be utilized for agricultural students for their educational purpose and it will be named as "Rashi Van". Fifty people enthusiastically participated in this programme.

Tree plantation was also done near Riddhi and Siddhi girls hostel and 34 saplings were planted. Dr. V. R. Malam, Director, Students' Welfare, Dr. K. A. Khunt, Principal, CoA, Junagadh also participated in this programme and motivated the participants.

Another two such programmes were also organized at Jambuvadi and AGRISNET Studio in which 60 saplings were planted.



PG Institute of Agri-Business Management, JAU, Junagadh also celebrated World Environment Day. Tree plantation programme was arranged on that day. Dr. V. P. Chovatia, Hon'ble Vice chancellor, Dr. P. M. Chauhan, Registrar, Dr. H. M. Gajipara, Director of Extension Education, Dr. V. R. Malam, Director of Students' Welfare, Dr. N. K. Gontia Dean, Agricultural Engineering Faculty and many other staff members of different departments of the university were remain present in the tree plantation programme.

International Yoga Day

International Day of Yoga was celebrated on June 21, 2021 by JAU, Junagadh in befitting manner. Wherein 33 people participated including Dr. V. P. Chovatia, Hon'ble Vice Chancellor, University Officers, Head of Departments and Faculties/ Staff. All of them performed Yoga exercise as per the guidance and demonstration given by Shri Pratapbhai Thanki, Yogacharya. In addition to this, number of University employees also participated in this celebration with their family at their home.



International Yoga Day was also celebrated by Post Graduate Institute of Agri Business Management, JAU, Junagadh. All the staff members had joined the yoga with full enthusiasm. KVK-Khapat, Cotton Research Station, Junagadh, NSS volunteers and faculties of Polytechnic in Agro-Processing also celebrated International Day of Yoga.

Earth Day

As celebration of the "Earth day", a plantation programme was conducted in front of new building of Polytechnic in Agro-Processing, JAU, Junagadh on April 22, 2021. Dr. N. K. Dhamsaniya, Principal, Polytechnic in Agro-Processing, JAU, Junagadh addressed the NSS volunteers and faculty members

about the role of trees in human life. He also mentioned that we should take care of plants, animals and other scarce resources for saving our National Valuable Resources. Twenty-five ornamental plantlets of *Ixora* and *Bougainvel* were planted. Er P.P. Vora, Programme Officer (NSS) performed the vote of thanks.

Farmer Awareness Programme

Agromet Field Unit (AMFU), GKMS Project, Agromet Cell, Dept. of Agronomy, JAU, Junagadh organized farmer awareness programme on June 30, 2021. Different mobile applications were demonstrated to the farming community of Dhava Gir village, Gir Somanth District. Mr. D. R. Vaghasiya, Technical Officer, GKMS explained about the different mobile applications like; Meghdoot, Damini and Mausam. Prof. M. C. Chopada, Nodal Officer, GKMS highlighted the importance of weather forecast in determining different agricultural operations to combat the vagaries of weather or extreme events. He emphasized to use more and more Agromet Advisory Services in farming operations to maximize the crop production by reducing the losses under aberrant weather conditions. More than 40 farmers from the village participated in the programme.

Bi-Monthly Training

A one day virtual bi-monthly pre-seasonal training programme was organized by Directorate of Extension Education, JAU, Junagadh on June 23, 2021. The main objective of the training programme was to transfer new technology developed by Agricultural University to the Extension officers of line departments of agriculture. Dr. H. M. Gajipara, DEE, JAU, Junagadh inaugurated the programme. Joint Director of Agriculture, Rajkot, Deputy Director of Agriculture, Director, ATMA, Junagadh and Assistant Director of Agriculture of the different districts of jurisdiction of Saurashtra region were remained present virtually in the programme. Scientists/Experts of Junagadh Agricultural University delivered their talk. A total of 44 officials participated in the training programme.



Training Programme Organized

A one-day online training was organized on June 17, 2021 by Directorate of Extension Education, JAU, Junagadh. The objective of the programme was to make aware about the role of farmwomen in agriculture and to empower them in the present

scenario. Dr. H.M Gajipara, Director of Extension Education, JAU highlighted the role of women in farming, use of innovative technology and improved agricultural tools in farming.

Training on Bakery and Preservation of Fruits & Vegetables

Sardar Smruti Kendra, JAU, organized a one-day online training programme on 'Bakery and Preservation of Fruits & Vegetables' for women on June 30, 2021. A total 46 women participants had successfully joined the programme virtually.

Research, Testing and Training Centre organized series of Webinars

Centre of Excellence on Soil & Water Management, RTTC, Junagadh organized series of Webinars.

Groundnut Cultivation and Seed Production

Dr. Nilesh Dholaria, Asst. Prof., Main Oilseed Research Station, JAU, Junagadh provided the information regarding different varieties of Groundnut, package of practices and its suitability for the Saurashtra region on May 28, 2021. More than 40 farmers joined live webinar and interacted with the scientist.

Water Conservation Techniques

Prof. H. H. Mashru, Asst. Prof., SWCE, CAET, JAU, Junagadh highlighted in-situ moisture conservation practices, agronomical and engineering practices of water conservation, different structures used for water conservation in nalla and rivers in the webinar organized on June 4, 2021. More than 150 farmers joined webinar and interacted with the scientist. Different organization like; ATMA, Agrivision and Paryavaran Sanrakshan Gatividhi also collaborated the webinar.

Organic Farming

Dr. R. K. Mathukia, Prof and Head, Dept. of Agronomy, CoA, JAU, Junagadh delivered introductory speech and emphasized on using biological material and avoiding the synthetic substances in agriculture to maintain the fertility of the soil. He also highlighted importance of organic farming. Dr. S. K. Chodvadiya explained different practices of organic farming, method of vermicompost and role of cow based product in agriculture in his expert lecture. He also provided the procedure for getting organic certificate. More than 70 farmers joined live webinar and interacted with the scientist. Different organization like; ATMA, Agrivision and Paryavaran Sanrakshan Gatividhi also collaborated the webinar.

Cultivation practices for moisture conservation in Kharif season

Dr. Jitendra Singh, Senior Scientist and Head, KVK, Gir Somnath discussed importance of moisture conservation under the changing climate. As an expert Dr. G. V. Prajapati, Associate Research Scientist, RTTC, JAU, Junagadh highlighted

cultivation practices like; broad bed furrow, Ridge and Furrow, Sub Soiling, mulching, tied ridging etc. for moisture conservation. He also pointed out the suitability, adoptability and care should be taken while using such cultivation practices. The webinar was organized in collaboration with Krishi Vigyan Kendra - Gir Somnath on June 14, 2021. Nearly 100 farmers participated.

Management of Soil borne Diseases in Kharif Crops

Prof. S. V. Lathiya, Asst. Prof., Dept. of Plant Pathology, CoA, JAU, Junagadh provided information regarding integrated soil borne disease management in kharif crops of Saurashtra region. He focused more on diagnosis and management of collar rot and stem rot of groundnut which are major or burning issues in Saurashtra region and also advise to adopt biological control of stem rot of groundnut. Furthermore, given information related to identification and management of soil borne disease in several kharif crops and also advised for integrated management of vegetables damping off diseases. The webinar was organized in collaboration with KVK- Gir Somnath on June 18, 2021. More than 65 farmers participated.



Techniques of Groundwater Recharge

Dr. N. K. Gontia, Principal and Dean, CAET, JAU, Junagadh gave importance of groundwater recharge in current climatic situation. Prof. P. B. Vekaria, Asst. Prof., Dept. of SWCE, CAET, JAU, Junagadh given technical information for groundwater recharge using different methods. He requested farmers to recharge the well or borewell using sand filter developed by the Junagadh Agricultural University. He also given the scientific information on roof top harvesting in this webinar. More than 150 farmers joined the webinar and interacted with the scientist on June 25, 2021.

Paryavaran Rath

Junagadh Mitra Club had started a *Paryavaran Rath* on June 25, 2021 in collaboration with Nidhi Seeds to combat Global Warming.

The event was organized at Sardar Smruti Kendra, JAU, Junagadh. In this



programme, Hon'ble Vice Chancellor, Dr. V. P. Chovatia, commenced the event by flagging off Paryavaran Rath. In the event, Dr. H.M Gajipara DEE, JAU Junagadh, President and Vice President

of Kisan Mitra Club Mr. Arvindbhai Timbadiya and Mr. Prakash Bhai Chothani remained present. The Rath contains different varieties of saplings.

Celebration of International Milk Day

KVK Jamnagar

KVK, Jamnagar celebrated International Milk Day on June 1, 2021 in collaboration with office of the Dy Director of Animal Husbandry, Jamnagar and District Cooperative Milk Producers Union Ltd. Jamnagar. Shri. Pankajbhai Madariya, General Managers of DCMPU, Jamnagar delivered a talk on "Environment, nutrition and economic management with dairy sector". Total 41 farmers/farmwomen participated in this programme.

KVK Morbi

Special webinar on 'Milk Production for Employment Generation' on the occasion of World Milk day was organized by KVK, Morbi on June 1, 2021. Experts of the University and line department delivered lecture on Breeding, feeding, management and health care of dairy animals. Total 29 farmers and officers participated in this event.

Celebration of World Honey Bee Day

KVK Jamnagar

KVK, JAU, Jamnagar celebrated 'World Honey Bee Day' on May 20, 2021. Shri Darshanbhai, progressive honeybee cultivar discussed about rearing, migration, hazard points, and given tips in rearing of honey bee. Dr. K. P. Baraiya, Senior Scientist & Head, discussed about diseases and pest problems in honey bee rearing with their remedies, and different factors affecting in honey bee rearing. About 34 farmers and farmwomen were participated this programme.



KVK Pipalia

'Honey Bee Day' was also celebrated by KVK Pipalia to create the awareness about the significance of bees and bee keeping. This year the theme was "Bee engaged: Build Back Better for Bees". An *e-goshthi* for the famers on "Beekeeping as an Economic Enterprise" was organized.

KVK Khapat

'Honey Bee Day' was also celebrated by KVK, Khapat on May 20, 2021. A webinar was organized on this occasion. Lecture delivered by V. M. Savaliya on importance of honey bees in agriculture; their social behaviour and effect of honey bee on all over production of agriculture and its rearing. Total 69 participants joined the webinar.

KVK Morbi

KVK Morbi also celebrated 'World Honey Bee Day' on May 20, 2021. Experts of the University Dr. D. B. Sisodiya, Dr. D. M. Jethva, Dr. D. S. Hirpara, Dr. L. L. Jivani and Shri D. A. Saradava delivered

lecture on Bee keeping and types of honey bee, importance of Bees in agriculture. Bee keeper Shri Kamleshbhai Patel shared his experiences. Total 53 participants benefited by the programme.

Fertilizer Awareness Programme

KVK Morbi

A webinar on "Balance use of fertilizer's" was organized by KVK., Morbi on June 18, 2021. Total 46 participants were joined the webinar. Experts of the University delivered lecture on role of fertilizers in supplying essential nutrients to plant, judicious use of fertilizers using 4R approach, scheme of soil health card, drip fertigation, crop residue management, role of soil testing in balanced use of fertilizers, importance of organic fertilizers compost, bio fertilizers etc. Total 46 participants joined the webinar.

KVK Amreli

KVK Amreli organized Fertilizer awareness programme on June 6, 2021 Amreli by organizing online webinar with total number of participants 49. During the event different lectures were delivered by the scientist of KVK

KVK, Jamnagar

Fertilizer Application awareness programme organized on June 18, 2021 by KVK, Jamnagar virtually. Total 33 farmers have participated in this programme. Different topics like; balance use of fertilizers, importance of micronutrients, recycling of farm waste through different methods of composting and its utility, use of bio fertilizer for cost reduction were covered in this programme. Experts advised to apply nutrients in to the soil based on the soil analysis report. They emphasized more on reduction of chemical fertilizers and health hazardous effect on soil and human beings.

KVK Khapat

A webinar on "Balanced Use of Fertilizer" was organized at Krishi Vigyan Kendra, Khapat on June 18, 2021. Lecture delivered by Dr. H. N. Der on Importance of soil, Ill effect of chemical fertilizers on the soil and balanced use of fertilizer. Total 36 participants joined the webinar.

Jal Shakti Abhiyan

On the occasion of celebrating "Jal Shakti Abhiyan" by KVK, Targhadia different programmes were organized to create awareness among farmers about usefulness of water in day to day life and in agriculture too. Different saplings were also distributed to farmers. Total 139 farmers and farmwomen participated in various programme.

Rejuvenation of tress after Tauktae Cyclone

Tauktae cyclone hit the coastal region of Saurashtra during the May 17-18, 2021. Very huge damage on the orchard have been occurred during the cyclone.

JAU formulated two teams of scientists for Gir Somnath, Junagadh, Amreli and Bhavnagar districts of Saurashtra region to visit the affected villages and advise the farmers to rejuvenate damaged orchards.



The teams visited 340 villages and advised 3188 farmers at their fields during May 22-31, 2021. Excellent work carried out by our faculties during *Tauktae* cyclone. More than 40 scientists visited affected area and guided farmers about survival of orchard after cyclone.

JAU Family Wishes Happy and Healthy Retired Life

No.	Name and Designation
April-2021	
1.	Shri. J. V. Bhuva, Technical Assistant
2.	Shri V. R. Bhut, Agricultural Assistant
3.	Shri D. J. Morasada, Junior Clerk
4.	Shri T. D. Baladhiya, Farm Labour
5.	Smt H. V. Bharai, Peon
May-2021	
6.	Shri R. R. Sidpara, Agricultural Assistant
7.	Shri H. L. Kanani, Agricultural Assistant
8.	Shri R. L. Malam, Pollinator
9.	Shri K. P. Mori, Watchman
June-2021	
10.	Dr. B. B. Kabariya, Professor (P)
11.	Dr. L. F. Akbari, Associate Professor
12.	Dr. R. K. Odedara, Associate Professor
13.	Shri. K. S. Hun, Assistant Adm. Officer
14.	Shri J. K. Patel, Agricultural supervisor
15.	Shri J. M. Kothariya, Agricultural supervisor
16.	Shri J. P. Sanepara, Agricultural Assistant
17.	Shri J. B. Prajapati, Agricultural Assistant
18.	Shri N. V. Sangani, Agricultural Assistant
19.	Shri G. T. Sadaniya, Senior Clerk
20.	Shri R. V. Khunt, Junior Clerk
21.	Shri B. M. Vaghela, Sweeper
22.	Shri A. M. Dhadvi, Sathi

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To

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