



NAVSARI AGRICULTURAL UNIVERSITY



SPECTRUM

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Publication Cell
Navsari Agricultural University
Navsari 396 450 (Gujarat)
Email:
publicationcell@nau.in
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From the Vice Chancellor's Desk **ONLY THE CHANGE IS PERMANENT**



At the outset I bow my head in the lotus feet of 'ALMIGHTY GOD' for giving me an opportunity to serve my *Alma Mater*, the prestigious Navsari Agricultural University as Vice Chancellor. I joined this University (then Navsari Campus of Gujarat Agricultural University) as M.Sc. student of Agricultural Entomology and started my career as a daily wager. Subsequently, I worked at almost all the positions before joining the University as Vice Chancellor.

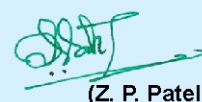
The time I joined the University as Vice Chancellor was very difficult and entire world including our mother land India was in the clutch of COVID-19 pandemic. But I strongly believe that, time and tide wait for no man. We must remember that the only permanent rule in this universe is impermanence, means nothing is permanent and this problem will also overcome by the scientific and community approaches. Being a part of this University since last 35 years, I am aware about the strengths, weaknesses, opportunities and threats in the way of transformation of the institute.

I strongly believe that the overall development of the University and the nation cannot be ensured without strengthening and empowering the entire setup including main and sub centers which are not less than a centre of excellence in their respective field. Faculty development is another essential element of institutional effectiveness. The extent to which the University strengthen, empower and develop the entire setup and its faculties is strongly reflected in levels of the engagement in learning activities, conduct of research and ultimately fulfilling the objectives and goals of the University. Advanced training and state of art infrastructure can blow wind below the wings of enthusiastic faculties in promoting academic excellence and innovation. This University has cosmopolitan environment where the faculty members and students are from different parts of the nation. All these cumulatively build a very harmonious environment to learn and excel in life. However, to transform the sky-scraping dreams into reality we need to think unpredictably and work astonishingly. We need to work in present to fly off into the wide blue yonder without permitting procrastination to steal our time. This University can be bouncing pad for the students and faculty members who really trust in themselves and allow their talent to shine bright and blinds everyone out with its aura.

One has to treat research outcome as own baby and take lead and responsibilities to bring some distinguishable outcomes. This University has glorious history where we have seen that the extraordinary intellectuality and committed efforts of the faculty members have contributed significantly in the development of agriculture and taken it at the very comfortable position where it is today. Development of first cotton hybrid in the world, use of root stock of "rayan" or "khimi" for the propagation of sapota, biological control of the sugarcane plant hopper, *Pyrilla perpusilla* by introduction and establishment of ecto parasite moth, *Epiricania melanoleuca* in the ecosystem, mass capturing of fruit flies with Nauroji-Stonehouse Fruit Fly Trap, development of biofertilizers and its popularization, development and commercialization of organic fertilizers from banana pseudostem sap, protected cultivation, development of high yielding varieties of almost all the mandatory crops of the University, value addition and preservation of fruits and vegetables, forestry, micro propagation technologies of different important crops, etc. are few to count.

I am confident that cumulatively we will be in the position to create the working atmosphere in the University which will serve as roller coaster for the enthusiastic fellow faculty members and students to excel in their respective endeavour and serve the nation.

Jai hind


(Z. P. Patel)

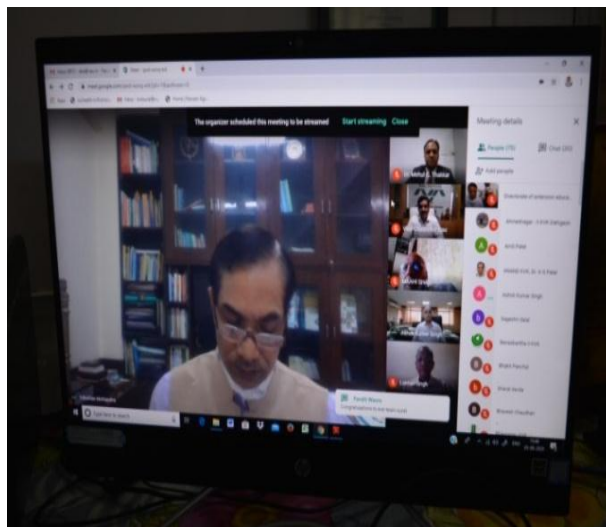
Vice Chancellor

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Note: The NAU Spectrum News Bulletin will be published Quarterly from January 2021 onwards.

EVENTS ORGANIZED

Foundation Stone Laying Ceremony of KVK, Surat



A foundation stone laying programme of administrative building of *Krishi Vigyan Kendra*, NAU, Surat was held on August 05, 2020 in the virtual presence of **Dr. Trilochan Mohapatra**, Director General, ICAR, New Delhi. Dr. A. K. Singh, DDG (Agri. Ext.), ICAR, New Delhi, Dr. S. R. Chaudhary, Vice Chancellor (I/C), NAU, Navsari, Dr. K. A. Patel, DEE, NAU, Navsari, Dr. Lakhan Singh, Director, ICAR, ATARI, Pune and Dr. Janaksinh Rathod, Sr. Scientist & Head, KVK, Surat were also present. Dr. Trilochan Mohapatra made valuable suggestions about doubling farmers' income in selected pockets of the district and emphasized on high-tech farming for attracting youth.

Mushroom Cultivation Awareness Programme



The College of Agriculture, Waghai organized "Mushroom Cultivation Awareness Programme" on December 14, 2020 under the project "Establishment of Centre of Excellence on Mushroom" in the gracious presence of Dr. Z. P. Patel, Hon'ble Vice Chancellor, NAU, Navsari, Sh. Vijaybhai Patel, MLA, Dr. S. R. Chaudhary, DR and Dr. C. K. Timbadia, DEE, NAU Navsari. A book entitled "*Mushroom Uccher*" was also released by the dignitaries. Mushroom spawn was also launched as "**NAUROJI Mushroom Spawn**".

Hon'ble Prime Minister's address to the farmers- PM Kisan



Hon'ble Prime Minister's address to the farmers and releasing PM *Kisan* money to farmers was webcasted on December 12, 2020. Five KVKs and other four Extension Centres under NAU organized the webcasting for the farmers at different places.

Name of programme	Farmers registration	Participants
Hon'ble Prime Minister's address to the farmers and releasing PM <i>Kisan</i> money to farmers	2406	1210

INAUGURATION OF FACILITIES

Tissue Culture Lab, Language Lab and Museum



Hon'ble Vice Chancellor, Dr. Z. P. Patel inaugurated Tissue Culture Laboratory, Language Lab and Museum at College of Agriculture, Waghai on December 14, 2020 in the gracious presence of Sh. Vijaybhai Patel, MLA, Dangs, Dr. S. R. Chaudhary, Director of Research and Dean PG Studies, Dr. C. K. Timbadia, Director of Extension Education and other dignitaries.

UNIVERSITY AWARDS AND RECOGNITIONS



The AICRP on Integrated Farming systems, NAU, Navsari was conferred the 'Best Performing Center Award-2020' on December 18, 2020 by ICAR-All India Coordinated Research Project on IFSR, Modipuram for outstanding performance in validation of Integrated Farming Systems Technologies during 2019-20.

TRANSFER OF TECHNOLOGY

During the period under report, the NAU has signed six MoUs with Private Companies for transfer of technology on NOVEL organic liquid nutrient production and its sale.

Sr. No.	MoU Partners	MoU signed on
1	Shree Bharti Organic, Anand, Gujarat	August 7, 2020
2	Pashupati Equipments (Pvt.) Ltd., New Delhi	August 19, 2020
3	Laxmi Bio Farm, Nandura, Maharashtra	August 20, 2020
4	Green Guardian Agrotech Private Ltd., Parola, Maharashtra	September 18, 2020
5	Orbifert Organic, Navsari, Gujarat	October 5, 2020
6	Omakshi Agro Private Ltd., Bhagalpur, Bihar	October 7, 2020

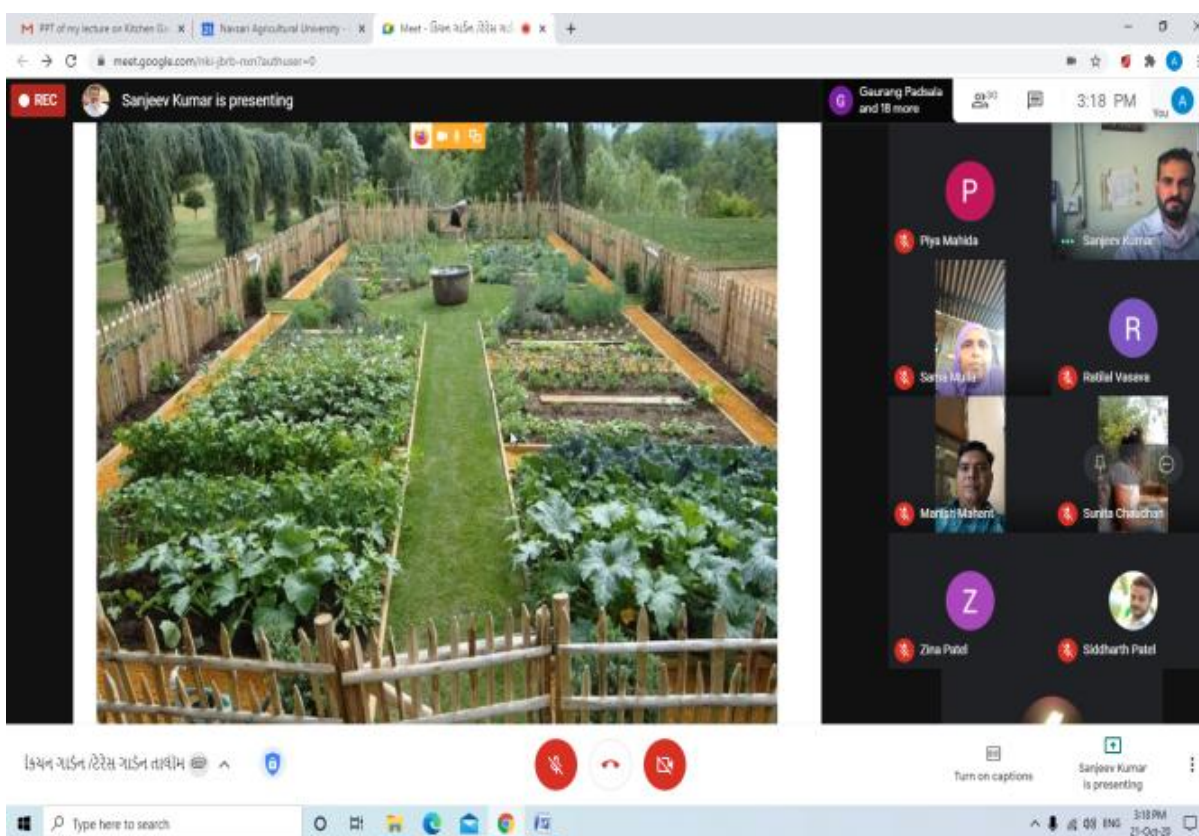
Events Organized under NAHEP-CAAST Sub-Project at NAU, Navsari

One Mega Event, Short National Training (10 days) and Farmers' Trainings, 2 Hands-on-Trainings (03 days each), 24 Distinguished Lectures, 6 Exposure Visits, 10 Online Interactive Lectures by eminent experts from Israel, Canada, United Kingdom, USA, Czech Republic, West Africa and Sri Lanka were organized to sensitize and train PG students as well as faculties in different spheres of Secondary Agriculture.

Orientation cum Training Programme on "Agricultural Entrepreneurship and Personality Development" during November 6-11, 2020

The College of Agriculture, NAU, Waghai organized 06 days Orientation cum Training Programme on 'Agricultural Entrepreneurship and Personality Development' for 7th Semester B.Sc. (Hons.) Agri. Students. Dr. J. J. Pastagia, Principal, College of Agriculture, Waghai gave the introductory welcome speech. Honorable Vice Chancellor, Dr. Z. P. Patel in his presidential speech narrated the possibilities of agricultural entrepreneurship and motivated the students to become a job giver rather than job seeker. The students were exposed to 19 different agricultural based entrepreneurship stories by the successful entrepreneurs.

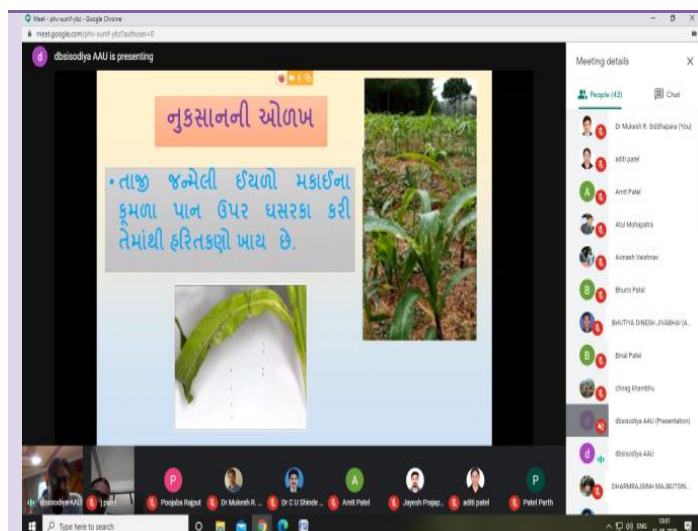
Training programmes under AGRO ITI



Sr. No.	Training programmes	Date	No. of Participants
1	Diseases and Pest Management in Crops	July 30, 2020	176
2	Seed Production	September 14-19, 2020	39
3	Kitchen Garden/Terrace Garden	October 19-23, 2020	40
4	Organic Farming	December 07-11, 2020	40
5	Cultivation of Edible Mushroom on Commercial basis	December 21-31, 2020	48
Total			343

Training-Orientation programmes

Integrated Management of Fall Army Worm



Department of Entomology, NMCA, NAU and T&V Scheme, Directorate of Extension Education, Navsari Agricultural University, Navsari jointly organized an online training programme on "Integrated Management of Fall Army Worm" on August 31, 2020. Lectures on different aspects of Fall Army worm and its control were delivered by the NAU Scientists. Total 44 farmers participated in the training programme.

Agrometeorological Advisory Services



Orientation Training "Agrometeorological Advisory Services" for newly recruited 03 SMS (Agril. Met.) and 03 Agromet Observers under DAMU project at KVKs (Surat, Dangs and Narmada) under NAU, Navsari was organized by DEE during October 20 to November 03, 2020 at Agricultural Meteorological Cell, Dept. of Agril. Engineering, NMCA, NAU, Navsari

Adaptive Trials on University Technologies



Total 1803 adaptive trials were conducted on the farmers' fields through five KVKs in South Gujarat on newly released varieties of gram, pigeon pea, wheat, Indian bean, drumstick, little gourd, pointed gourd, mango, ajwain. Demonstrations on paddy thresher, Novel plus in horticultural crops, Kitchen Garden, ICM and IPDM in different crops were also conducted.

Field Days Organized

During the period, 16 field days were organized by KVK Dediapada, Dist. Narmada on different technologies on farmers' fields under FLDs. More than 478 farmers including farm women participated in these Field Days.

Date	Places	Technology demonstrated	No. of participants		
			Male	Female	Total
17.10.2020	Soliya	Field day on Paddy GNR-2	16	14	30
21.10.2020	Chikda	Field day on Paddy GNR-6	24	0	24
21.10.2020	Khupar Borsan	Field day on Paddy GNRH-2	14	10	24
21.10.2020	Gopaliya	Field day on Paddy GNR-2	5	15	20
21.10.2020	Kham	Field day on Paddy GR-17 (Sardar)	7	18	25
22.10.2020	Nani Bedvan	Field day on NRC-37 Soybean	8	5	13
23.10.2020	Garda	Field day on Paddy GNRH-2	3	18	21
23.10.2020	Almawadi	Field day on KDS-344 Soybean	15	0	15
19.10.2020	Bhatpur	Field day on Paddy GNRH-2	6	20	26
26.10.2020	Tabda	Field day on BTH-10 cotton	10	24	34
27.10.2020	Navagam	Field day on TG-37A groundnut	6	9	15
27.10.2020	Taval	Field day on BT H-12 cotton	23	17	40
05.11.2020	Kham	Field day on groundnut TG-37A	6	20	26
29.12.2020	Bhutbeda	Field day on <i>rabi</i> crop phase-1	12	17	29
30.12.2020	Almavadi	Field day on IPM of <i>rabi</i> crop phase-1	53	18	71
31.12.2020	Gatha	Field day on maize crop and FAW	04	61	65
Total			212	266	478

Training on Tailoring Skills



Total 4 training programmes of two months duration on 'Tailoring Skills' were conducted by Tribal Women Training Centre (TWTC), Dediapada benefiting 51 tribal farm women.

National Nutrition Month



National Nutrition Month was jointly celebrated by KVK Surat and IFFCO during September 01-30, 2020 by organizing *Mahila Shibir*, training for *anganwadi* workers & women farmers on Nutri Garden. 108 *anganwadi* workers and tribal farm women participated in the programme.

Farmers *Shibir* on Vermicompost

The KVK, Navsari organized 01 day farmers' *shibir* on Vermicompost at Talavchora village on September 10, 2020. Hon'ble MLAs of Chikhli and Navsari were present during the *shibir*. Six farmers of the village obtained "GOPCA" organic certificate which was facilitated by KVK. About 204 vermibeds were distributed among the farmers. More than 300 farmers attended the *shibir* and interacted with the KVK Scientists.



State level webinar

A state level webinar on 'Covid-19 and Agriculture' was organized on August 17, 2020 by KVK, NAU, Navsari for innovative farmers of different districts of Gujarat state. In the webinar, 110 farmers participated and shared their farming knowledge and feedback experience during pandemic situation.

National Nutrition *Abhiyan*-2020



The KVK, Navsari and IFFCO jointly organized a "National Nutrition *Abhiyan*-2020" at Central Examination Hall, NAU, Navsari on September 17, 2020 in the presence of Hon'ble Vice Chancellor, Dr. S.R. Chaudhary, Dr. Amitaben, President of Navsari district panchayat, Smt. Prafulaben Desai, Member of Board of Management, Dr K.A. Patel, DEE and Dr C. K Timbadia, Senior Scientist and Head, KVK, Navsari. More than 83 women participated in this programme.



Webinar on Gujarat *ma Musharoom Uchher ni Shakyatao*

કૃષિ મહાવિદ્યાલય, વઘઈ તેમજ કૃષિ વિજ્ઞાન કેન્દ્ર, વઘઈ અને કેડીયાપાડા દ્વારા આયોજીત

ગુજરાતમાં મશરૂમ ઉછેરની શક્યતાઓ

તા. ૧૬/૦૯/૨૦૨૦ (બુધવાર) સમય: ૯.૩૦ થી ૧૩.૩૦

ઉપસ્થિત થનાર મહાનુભાવો

 ડૉ. પી. ડી. વર્મા વરિષ્ઠ વૈજ્ઞાનિક અને વડા કૃષિ વિજ્ઞાન કેન્દ્ર, નકુચુ, કેડીયાપાડા	 ડૉ. કે. એ. પટેલ વિસ્તરણ વિભાગ નિયામક નવસારી કૃષિ યુનિવર્સિટી, નવસારી	 ડૉ. એસ. આર. ચૌધરી કુલપતિશ્રી નવસારી કૃષિ યુનિવર્સિટી, નવસારી	 ડૉ. જે. જે. પરતાપિયા આચાર્યશ્રી કૃષિ મહાવિદ્યાલય, નકુચુ, વઘઈ	 ડૉ. કે. એ. પટેલ વરિષ્ઠ વૈજ્ઞાનિક અને વડા કૃષિ વિજ્ઞાન કેન્દ્ર, નકુચુ, વઘઈ
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માર્ગદર્શન આપનાર નિષ્ણાંતશ્રીઓ

ડૉ. એસ. એમ. ચન્દ્રાણ વૈજ્ઞાનિક પાક સંરક્ષણ કૃષિ વિજ્ઞાન કેન્દ્ર, નકુચુ, વઘઈ	ડૉ. પુષ્પેન્દ્ર સિંઘ સહમાન્યાપક કૃષિ મહાવિદ્યાલય, નકુચુ, વઘઈ	ડૉ. જે. જે. પરતાપિયા આચાર્યશ્રી કૃષિ મહાવિદ્યાલય, વઘઈ	ડૉ. અમોલ દેશમુખ મદદનીસ પ્રાધ્યાપક કૃષિ મહાવિદ્યાલય, નકુચુ, વઘઈ	ડૉ. દિતેશ જાદવ વૈજ્ઞાનિક પાક સંરક્ષણ કૃષિ વિજ્ઞાન કેન્દ્ર, નકુચુ, કેડીયાપાડા	ડૉ. બિપિન વઢૂનીયા વૈજ્ઞાનિક પાક સંરક્ષણ, કૃષિ વિજ્ઞાન કેન્દ્ર, નકુચુ, વઘઈ
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ખાસ નોંધ:
રજીસ્ટ્રેશન કરવા માટેની લિન્ક: <https://forms.gle/5LsZFNWcpRmJBx8>
કાર્યક્રમમાં જોડાવા માટે ગૂગલ મીટ (Google meet) ની લિન્ક: <https://meet.google.com/imm-tgry-api>



Webinar on "Gujarat *ma Musharoom Uchher ni Shakyatao*" was jointly organized by KVK, Waghai, Dist. Dang, College of Agriculture, Waghai and KVK, Dediapada on September 16, 2020 under the Chairmanship of Dr. S.R. Chaudhary, Vice Chancellor and in the solemn presence of Dr. K.A. Patel, DEE. KVK Scientists delivered lectures on mushroom cultivation. This webinar was attended by 316 farmers.

VISITS OF HON'BLE VICE CHANCELLOR

Dr. Z. P. Patel, Hon'ble Vice Chancellor, Navsari Agricultural University, Navsari visited various Colleges and Research Stations after joining as Vice-Chancellor of the University and interacted with faculties and students.



Visited Mass production unit of fruit fly trap, Department of Plant Protection and other department of , ACHF, NAU, Navsari on October 27, 2020



Hon'ble Vice Chancellor appreciated the development of Bamboo Resource Centre, CoF on November 13, 2020, and stressed upon skill development among farmers and rural youth on bamboo artifacts



Visited various departments and CAAST museum at College of Forestry on November 20, 2020



Hon'ble Vice Chancellor at Horticulture Polytechnic (Navsari) and AICRP (Palms), RHRS on November 23, 2020



During his visit to Biodiversity Conservation Centre, College of Forestry on December 01, 2020, Hon'ble Vice Chancellor, NAU called it as a great learning centre for the students



Hon'ble Vice Chancellor along with DEE, NAU visited farm of Department of Genetics and Plant Breeding, NMCA on December 02, 2020 and emphasized on utilization of variability available at remote areas



Hon'ble Vice Chancellor appreciated cleanliness and productivity of Instructional Farm, Arboretum of College of Forestry during his visit on December 03, 2020 and advocated the use of fruit fly traps



During his visit to Main Cotton Research Station, Surat on December 07 & 18, 2020, Hon'ble Vice Chancellor accentuated to equip the station with best available facilities in biotech lab.



Hon'ble Vice Chancellor and Dr. S. R. Chaudhary, DR and Dean PGS visited *Krishi Vigyan Kendra*, Athwa farm, Surat on December 07, 2020 and advised scientists to strengthen ToT as per the need of farmers



Hon'ble Vice-Chancellor congratulated the scientists of Banana Pseudostem Processing Unit for their concerted efforts on popularization of technologies during his visit on December 24, 2020



Hon'ble Vice-Chancellor, Dr. Z.P. Patel and Dr. V.R. Naik, ADR visited Soil & Water Management Research Unit and Farm on December 24, 2020 and VC sir admired the efforts being made by the Unit towards different aspects of precision farming

Visit of Monitoring team to NARP, CoA, Bharuch



Monitoring team from SDAU, Dantiwada visited NARP research plots on December 29, 2020. Team leader, Dr. P. R. Patel was satisfied with the management of research plots at NARP, CoA, NAU, Bharuch.

Visit of Deputy DDO, Navsari

Mrs. Drashti Shukla visited display museum of NAHEP-CAAST on December 19, 2020 at University Bhavan and interacted with Dr. Z. P. Patel, Hon'ble Vice Chancellor, NAU, Navsari, the concerned scientists and she appreciated the activities of NAHEP-CAAST.

Campus Visit of Farmers

Large numbers of farmers from the states of Gujarat, Maharashtra and Rajasthan visited NAU Navsari campus round the year to see and learn about new technologies developed and demonstrated on NAU farms. During the period under report, 603 farmers visited *Sardar Smruti Kendra*.



CELEBRATIONS

Van Mahotsav



The planting festival was celebrated on September 10, 2020 by the College of Forestry. More than 100 seedlings of Teak were planted at Dandi farm, NAU, Navsari

World Bamboo Day



Eleventh World Bamboo Day celebration by the College of Forestry on Sep. 18, 2020 by organizing 01 day online workshop on "Bamboo cultivation & its value addition" along with bamboo plantation programme. 100 growers participated in both the events.

National Nutrition Month



The KVKs of NAU celebrated National Nutrition Month from 1 to 30 September, 2020. Various activities viz., *Poshan Jagruti Shibir*, training on nutrition garden management, *Nutri Thali* competition, bio-fortified crops, training for *Anganwadi* workers, method demonstration, distribution of nutri-kitchen garden kit, etc. were organized. Total 2285 farm women participated in these programmes.

Vigilance Awareness Week



The Vigilance Awareness Week was observed by all the KVKs of NAU from October 27 to November 03, 2020 motivating stakeholders in a fight against corruption and aiming at raising public awareness regarding the detrimental consequences of corruption. Total 178 farmers and farm women participated in these programmes.

Mahila Kisan Diwas

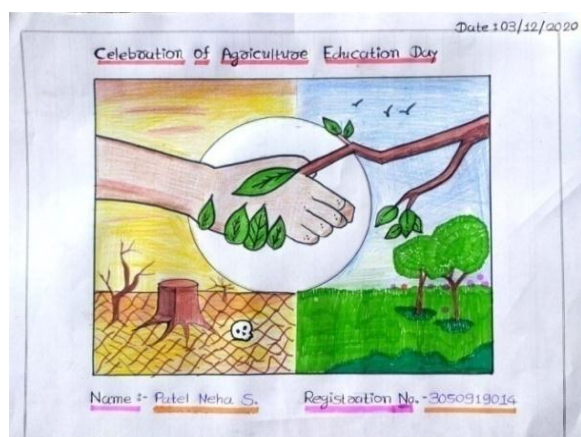


The KVKs running under NAU celebrated **Mahila Kisan Divas** on 15 October, 2020. Various activities were organized by KVKs during the programme viz., lectures, competitions, group discussion, inputs and prize distribution *etc.* Total 942 farm women participated in the programmes at different places.

Constitution Day

Constitution Day was celebrated by all constituent Colleges on 26 November, 2020 by organizing lectures, Quiz and Elocution contest in online mode involving UG & PG students in these events.

Agricultural Education Day



CAET and PAE Dediapada under NSS celebrated **Agricultural Education Day, 2020** on December 04, 2020 by preparing drawings on themes "Why does the World Need Agriculture Education" and "Future Prospects of Agriculture Education".

International Volunteer Day



Students from CAET and PAE Dediapada actively participated in the "Celebration of International Volunteer Day, 2020" on December 4, 2020. About 27 students successfully registered for the webinar and participated in the event.

World Soil Day



Krishi Vigyan Kendra and Kantha Vibhag Satatyapurna Vikas Sanstha, Surat jointly celebrated the World Soil Day on December 05, 2020 at Vansva village of Choryasi block. Mr. Rajubhai Morarbhai Patel, Sarpanch of Vansva was the Chief Guest of the programme. Scientist emphasized the use of organic and bio-fertilizers for maintaining soil health. Sweet potato cuttings (Bhu Kanti) and OLN- NOVEL were distributed to farmers. Total 31 farmers and farm women attended the celebration. Other KVKs of NAU also celebrated this Day. 344 farmers and farm women participated at different places.

Jai Kisan Jai Vigyan Week



KVKs of NAU organized different activities to celebrate "Jai Kisan Jai Vigyan Week" during December 23-29. Total 830 farmers and farm women participated in the programme at different places

Kisan and Vigyan Day



KVKs of NAU celebrated *Kisan and Vigyan Day* on December 25, 2020 by organizing lectures on *Kisan and Vigyan day, Kisan Gosthi and Pradhanmatri Kishan Nidhi* etc. Total 428 farmers and farm women participated in these programmes

Technology Week

The KVKs under NAU Navsari celebrated Technology Week at different places by conducting various activities viz., Seminar on Animal Husbandry, Scientific Calf Rearing and Fish Farming, Awareness on Mango Epicotyl Grafting, Natural Farming, Farm Mechanization and Farmers Day, Field Days, Ideal Dairy Management, Farmers' Bill 2020, Nursery Management in *Rabi* Crops, Role of Women in Agriculture, Soil Health Management and IPDM in *Rabi* Crops etc. Total 733 farmers and farm women actively participated in the celebration.

World Fisheries Day



One day seminar on 'Potential of Ornamental Backyard Fish Culture in Ukai' was jointly organized by Centre of Excellence, Kamdhenu University, Assistant Director of Fisheries, Ukai and KVK, Vyara on November 21, 2020. Total 60 fishermen from different villages of Tapi district enthusiastically participated in the programme.

National Milk Day



KVK, Vyara organized Animal Health Camp in collaboration with *Mahila Samakhyas*, Tapi and Veterinary Hospital, Songadh at Maiyali village of Songadh block. About 132 dairy animals were treated with reproductive defects and about 40 goats were also given deworming drugs. Total 46 livestock keepers from Maiyali village enthusiastically participated in this camp.

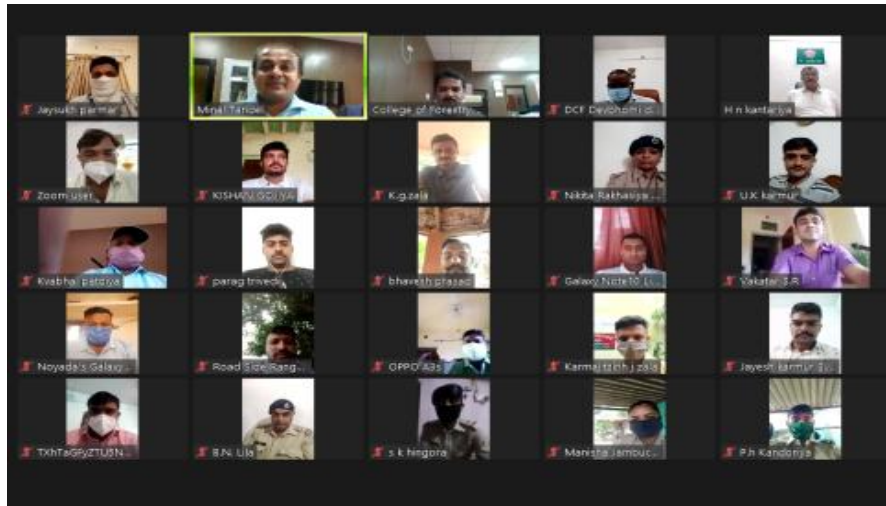
FIT INDIA Programme



Fit India Cyclothon was organized by Government of India, Ministry of Youth Affairs and Sports during December 7-31, 2020. The students from CAET and PAE Dediapada participated in fitness activities from their home and shared photographs of activities with creative captions.

TRAININGS/WORKSHOPS/EXTENSION ACTIVITIES

Agroforestry Webinars



Four Agro-Forestry Webinars were organized by DCF, Gir Somnath; DCF, Junagadh; DCF, Bharuch and DCF (Social Forestry Division), Valsad in collaboration with College of Forestry, Navsari during July to December, 2020. More than 50 farmers and students participated in each webinar.

Awareness-Cum-Training Programme for Distributors cum Dealers under NFSM

Awareness cum Training programme for 78 distributors and dealers and 22 officials of three taluka (Hansot, Ankleshwar and Bharuch) of Bharuch district was jointly organized by .KRIBHCO, Surat; Main Cotton Research Station, NAU, Surat and Yashvantrao Joshi Ginning and Pressing Mills, Hansot at Hansot Ginn Compound on December 15, 2020.



Agricultural Educatorium

Agricultural Educatorium situated at Navsari is a one of the best agricultural Museums in India providing basics of agriculture to all walks of people. During the period, total 558 visitors (farmers, dignitaries, scientists, students, *etc.*) visited the museum and got basic knowledge and information related to agriculture and allied subjects through various display media viz., storytelling board, kiosks, press button board, diorama, murals, showcase, models, specimens etc.

Swachhta Hi Sewa 2020



The KVKs running under NAU organized various activities under *Swachhta Hi Sewa* 2020 campaign from September 15 to October 2, 2020 as a part of 150th birth anniversary celebration of Mahatma Gandhi. Various activities were organized by KVKs during the programme viz., quiz competition, poems on different life events of Mahatma Gandhiji and exhibition of different charts on Gandhi ji's quotes *etc.* Total 470 farmers and farm women participated in the programmes at different places.

Swachhta Pakhwada-2020



The KVKs of NAU organized various activities under *Swachhta Pakhwada* during 16-31 December, 2020. Various activities were organized by KVKs during the programme like Cleanliness of Adopted villages and Sanitation, *Swachhata* (Sanitation) Rally, Awareness Campaign & Programme, *Mahila Goshthi*, Composting of Kitchen and Home Waste Materials, Awareness about Green Demo & Hand wash, Market & Public Place cleaning, cleaning of KVK premises, farm and taking *Swachhata Sapath* during the celebration. Total 2261 farmers and farm women participated in these programmes at different places.

Awareness Programme on Farmers' Act 2020



KVKs working under NAU organized different activities to increase awareness among farmers about Farmers Act 2020. The activities viz., Awareness among farmers through group meeting, Text messages, Webinar, *Kishan Goshthi*, film show, Guest lecture, *Khedut Shibir*, *Mahila Shibir*, Farmers Scientist Interaction, SMS through m-Kisan portal etc. were organized during September to December 2020 at KVKs campus and at different places. Total 1384 farmers and farm women actively participated in the programmes at different places. Short text messages regarding Farmers' Act 2020 were sent through m-Kisan portal to the 11113 farmers of Tapi district.

Animal Treatment Camp

KVK, Vyara, Dist. Tapi in collaboration with Animal Husbandry department jointly organized "Animal Treatment Camp" at Ghuntvel village of Songadh block on October 21, 2020. Different types of treatment were provided to about 107 dairy animals on reproductive defects, pregnancy diagnosis, ecto-parasitic problems, reduction in milk production etc. by Dr. V. K. Parmar, Veterinary Officer, Songadh block and his team. The camp was successfully managed by the village leader and chairman of village *Dudh Mandali*, Sh. Thakorbbhai Gamit. Total 37 livestock keepers were benefited from this camp.



MEETINGS ORGANIZED

XVI Combined Joint AGRESCO Meeting 2020

The XVI Combined Joint AGRESCO meeting was held from June 18 to July 09, 2020 through online video conferencing by NAU, Navsari. Dr. S. R. Chaudhary, Hon'ble Vice Chancellor (I/C) of NAU emphasized the need of this online meeting owing to prevailing COVID-19 pandemic situation and urged all the conveners and members for active participation, critical discussion and deliberations on recommendations.



Total 496 New Technical Programmes were presented out of which 475 programmes were approved. Total 420 recommendations / release proposals (242 for the farming communities and 178 scientific informations) were presented, out of which, 342 recommendations / release proposals (204 for the farming communities and 138 scientific informations) were approved. All the Hon'ble Vice Chancellors of SAUs addressed the meeting, congratulated the scientists and expressed satisfaction over the successful organization of 16th Combined Joint AGRESCO through Video Conferencing.

Plan Review Meeting

Regular monitoring and evaluation of schemes is a continuous process throughout the year with the mechanism of quarterly review meetings. As a part of that process, planning cell monitored and evaluated the "Development Charges Schemes" of the University in terms of fund utilization and financial as well as physical achievements in quantifiable terms. During this period, 02 review meetings were held by planning cell (July 07, 2020 and October 05, 2020).

Meeting on Breeding Policy of NAU



Meeting was held through video conferencing on September 04, 2020. More than 47 scientists attended the said meeting and 14 Heads / Scientists of different crops presented their current breeding work, achievements during last three years and road map for upcoming five years. Ex-Director of Research, NAU and Invitee member, Dr. H. C. Pathak and Dr. S. R. Chaudhary, Director of Research and Dean PG Studies, NAU, Navsari and Chairman addressed all the scientists and drew their attention to maintain and explore the variability from wide agro-ecological/phyto-geographical regions for fulfilling the needs of farmers.

Zonal Research and Extension Action Committee (ZREAC) Meetings



Directorate of Extension Education, NAU organized 31st ZREAC Meeting in online mode on October 6, 2020 to review the work done in last year and to make the planning for forthcoming year in convergence mode. District-wise agriculture status and feedback pertaining to problems faced by the farmers in adoption of new technology at grass root level were presented by the concerned department for all the seven Districts of South Gujarat.

Scientific Advisory Committee (SAC) Meetings of KVKs

In order to review the activities carried out by KVKs and to make suggestions for better planning and implementation of activities for next year, meetings of Scientific Advisory Committee of 05 KVKs of NAU were organized.

Glimpses of SAC Meetings



Dr. Z.P. Patel, Hon'ble Vice Chancellor chairing SAC meeting of KVK, Tapi on December 08, 2020



Dr. Z.P. Patel, Hon'ble Vice Chancellor chairing SAC meeting of KVK, Narmada on December 10, 2020



Dr. Z.P. Patel, Hon'ble Vice Chancellor chairing SAC meeting of KVK, Dangs on December 14, 2020



Dr. Z.P. Patel, Hon'ble Vice Chancellor chairing SAC meeting of KVK, Navsari on December 16, 2020



Dr. Z.P. Patel, Hon'ble Vice Chancellor chairing SAC meeting of KVK, Surat on December 18, 2020



XIII Meeting of Agricultural Research Council

The XIII Meeting of Agricultural Research Council, NAU, Navsari was held through video conferencing on January 01, 2021 in online mode under the Chairmanship of Dr. Z. P. Patel, Hon'ble Vice-Chancellor, NAU, Navsari. Dr. S.R. Chaudhary, Director of Research and Dean PG Studies, NAU, Navsari addressed the Council about the achievements of NAU with respect to research and tabled the Agenda of the meeting. Among these, Implementation of DST, DBT, PPV&FRA sponsored projects and three private sectors project for the year 2019-20 and 2020-21. Research Council made recommendations to the Board of Management of NAU to accord *post-facto* approval for the drafts of 22 MoUs signed by NAU with various institutes/private companies/NGOs.



Best Scientist/ Young Scientist Awards

- ❖ Dr. Nitin N. Gudadhe Assistant Professor bagged a project on competitive basis entitled "Low cost bio-fortification kit: A sustainable tool for nutrition, yield and income security of farmers" from Department of Science and Technology, GoI, New Delhi of Rs. 25.88 Lakhs under Young Scientists and Technologists Category.
- ❖ Dr. Madhu Bala, Assistant Professor, Dept. of Genetics & Plant Breeding, N. M. College of Agriculture, NMCA, NAU, Navsari was awarded the Young Scientist Award in the 10th International Scientist Awards on Engineering, Science and Medicine held on September 26 & 27, 2020, Hyderabad, India, organized by VDGGOOD Professional Association.
- ❖ Dr. L. K. Behera, Assistant Professor received Agroforestry Scientist Award-2020 for his outstanding contribution and recognition in the field of Silviculture and Agroforestry on the occasion of International Web Conference- Perspective on Agricultural and Applied Sciences in COVID-19 Scenario (PAAS-2020) by Agricultural & Environmental Technology Development Society (AETDS), U.S. Nagar, Uttarakhand, India during October 4-6, 2020.
- ❖ Dr. Abhishek Ambashankarbhair Mehta, Assistant Professor received Young Scientist Award-2020 for his outstanding contribution and recognition in the field of Forest Products and Utilization on the occasion of International Web Conference- Perspective on Agricultural and Applied Sciences in COVID-19 Scenario (PAAS-2020) by Agricultural & Environmental Technology Development Society (AETDS), U.S. Nagar, Uttarakhand, India during October 4-6, 2020.
- ❖ Dr. M. R. Siddhapara, Assistant Research Scientist, Department of Entomology, N. M. College of Agriculture, NMCA, NAU, Navsari was awarded the "Young Scientist Award-2020" in National Conference (online) on "Recent Scientific Advances in Agricultural and Environmental Sciences" organized by Dr. B. Vasantharaj David Foundation at Chennai on December 5, 2020.
- ❖ Dr. P. R. Patel, Associate Professor was awarded Outstanding Agricultural Scientist Award-2020 by Dr. B. Vasantharaj David Foundation, Chennai on December 5, 2020.





- ❖ Dr. Hemant Sharma, Associate Professor was awarded Scientist Award-2020 by Dr. B. Vasantharaj David Foundation, Chennai on December 5, 2020.

Best KVK Scientist Award

- ❖ Mr. J.B. Dobariya, Scientist (Extension Education), KVK, Dang received the Best KVK Scientist Award from Society of *Krishi Vigyan* on September 28, 2020

Best Outstanding Young Researcher International Award

- ❖ Mr. J.B. Dobariya, Scientist (Extension Education), KVK, Dang received the Best Outstanding Young Researcher International Award 2020 from Kamarajar Institute of Education and Research Theni, Tamil Nadu on December 30, 2020

Best Thesis Awards

- ❖ Dr. M. D. Khunt Assistant Professor was awarded with Best Doctoral Thesis by The Gujarat Association for Agricultural Sciences, Ahmedabad on October 03, 2020 for the year 2016-17 in lieu of his commendable thesis work at NAU, Navsari
- ❖ Dr. L. K. Behera, Assistant Professor was awarded with Best Doctoral Thesis by The Gujarat Association for Agricultural Sciences (GAAS), Ahmedabad, Gujarat on October 03, 2020 for the year 2016-17 for his commendable thesis work in the field of Forestry.
- ❖ Dr. Neethu TM, Assistant Professor, Department of Soil Science and Agricultural Chemistry, N M College of Agriculture, NAU, Navsari was awarded the Best Doctoral Thesis by Gujarat Association of Agricultural Sciences (GAAS), Ahmedabad on October 03, 2020.

Best oral/paper/poster Awards

- ❖ Dr. C.U. Shinde, Assistant Professor, Department of Entomology, N. M. College of Agriculture, NMCA, NAU, Navsari presented research paper entitled 'Development of entrepreneurs through establishment of Trichocard production Unit at village level' and received "Best Poster Presentation Award" in the National webinar on "Motivation of Youth Towards Agri-entrepreneurship and Innovative farming" held on July 4-5, 2020 at Jawaharlal Nehru *Krishi Vishwavidyalaya*, Jabalpur, Madhya Pradesh.
- ❖ Dr. M.R. Siddhapara, Assistant Research Scientist, Department of Entomology, N. M. College of Agriculture, NMCA, NAU, Navsari presented research paper entitled 'Development of entrepreneurs through establishment of Trichocard production Unit at village level' and received "Best Poster Presentation Award" in the National webinar on "Motivation of Youth Towards Agri-entrepreneurship and Innovative farming" held on July 4-5, 2020 at Jawaharlal Nehru *Krishi Vishwavidyalaya*, Jabalpur, Madhya Pradesh.
- ❖ Mr. K.M. Patel, Assistant Professor, Department of Entomology, N. M. College of Agriculture, NMCA, NAU, Navsari Presented research paper entitled 'Development of entrepreneurs through establishment of Trichocard production Unit at village level' and received "Best Poster Presentation Award" in the National webinar on "Motivation of Youth Towards Agri-entrepreneurship and Innovative farming" held on July 4-5, 2020 at Jawaharlal Nehru *Krishi Vishwavidyalaya*, Jabalpur, Madhya Pradesh.





- ❖ Dr. Nitin N. Gudadhe, Assistant Professor received Best Oral Presentation Award in International Conference on Engineering Biotic Interactions in the Light of Social Applicability from Maharadhiraj Uday Chand Womens College, B. C. Road, Burdwan, West Bengal during August, 2020.
- ❖ Dr. R. K. Patel, Assistant Professor was awarded GAAS Award by the Gujarat Association of Agricultural Sciences on October 03, 2020 for his contribution as a Co-worker for development of coriander variety GCO-3.
- ❖ Dr. M. D. Khunt and Dr. B. P. Mehta received second Best Oral Presentation Award during National Symposium on Plant Health Management organized by College of Agriculture, Bharuch on November 02-04, 2020.
- ❖ Dr. H. M. Patel, Assistant Professor was conferred Best Article Award for "The Potential Use of Earthworm Species for making quality Vermicompost" by Agriculture & Food E-Newsletter on November 9, 2020.

STUDENTS' ACHIEVEMENTS

JRF/SRF/NET qualified & ARS

University is giving due attention to impart extra coaching to students for enabling them to succeed at national level competitive examinations. In the period under report, 69 students of various faculties of NAU qualified AIEEA-JRF, 37 PG students qualified SRF and 86 students qualified NET conducted by ASRB, New Delhi.

SHODH scheme beneficiaries

Total 47 PG research scholars got benefited from SHODH scholarship (Scheme of Developing High Quality Research, KCG, GoG) including 14 from ACHF and 33 from NMCA for pursuing Ph. D. programmes with fellowship of Rs. 15,000 per month and contingency of Rs. 20,000 per annum for a period of 2 years.

Best oral/paper/poster Awards

- ❖ Mr. H. M. Bhanderi and Dr. M. D. Khunt received first Best Poster Presentation Award during National Symposium on Plant Health Management organized by College of Agriculture, Bharuch on November 2-4, 2020.
- ❖ Mr. Purvesh Mendapara and Dr. M. D. Khunt secured third Best Poster Presentation Award during National Symposium on Plant Health Management organized by College of Agriculture, Bharuch on November 2-4, 2020.

D to D Programme

10 students of Horticulture Polytechnic, Navsari got admission in Degree course representing 35.71% occupancy of the total seats, the highest among all Horticulture Polytechnics of Gujarat.





SUPERANNUATION/RETIREMENT

S.N.	Name	Designation	Retired from the Office of
Class 1 & 2			
1	Dr. Jayntilal Devjibhai Thanki	Professor	N. M. College of Agriculture, NAU, Navsari
2	Dr. Balvantsinh Ranchhodsinh Parmar	Professor	ASPEE College of Horticulture & Forestry, NAU, Navsari
3	Mr. Jayntilal Balubhai Patel	Asstt. Professor	ASPEE College of Horticulture & Forestry, NAU, Navsari
Class 3			
4	Mr. Rajendrasinh Lalsinh Parmar	Agri. Assistant	N. M. College of Agriculture, NAU, Navsari
5	Mr. Harishbhai Babubhai Halpati	Senior Clerk	Comptroller Office, NAU, Navsari
6	Mr. Amrutbhai Sukhabhai Prajapati	Senior Clerk	Livestock Research Station, NAU, Navsari
7	Mr. Dipilbhai M. Patel (Voluntary Retirement)	Head Clerk	N. M. College of Agriculture, NAU, Navsari
8	Mr. Takhtkumar Laljibhai Surati	Agri. Supervisor	Main Cotton Research Station, NAU, Surat
9	Mrs. Kailashben Nitinbhai Patel	Lab. Technician	College of Veterinary Science & Animal Hus., NAU, Navsari
10	Mr. Bhikhubhai Maganbhai Solanki	Agri. Officer	College of Agriculture, NAU, Bharuch
11	Mr. Vishrambhai Jethabhai Mahida	Lab. Technician	N. M. College of Agriculture, NAU, Navsari
12	Mr. Anantkumar Gunvantbhai Desai	Senior Clerk	Comptroller Office, NAU, Navsari
13	Mr. Vikrambhai Ranjitbhai Desai	Agri. Supervisor	Department of Agri. Economics, N.M.C.A., NAU, Navsari
14	Mr. Mahendrabhai P. Patel (Voluntary Retirement)	Head Clerk	Comptroller Office, NAU, Navsari
15	Mr. Chandrakant Bharmalbhai Bhagat (Voluntary Retirement)	Agri. Supervisor	College of Agriculture, NAU, Bharuch





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- It is pure organic product.
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- It contains naturally occurring growth promoters.
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ફાયદાઓ

- સંપૂર્ણ સેન્દ્રિય પ્રવાહી ખાતર છે.
- ઘઉં, ટોમેટો, કોરેકરસ, પોટાલો સિપરંત શુક્રમ તત્વો પણ ધરાવે છે.
- ફુલસ્ટી રીતે પેદા થતાં વૃદ્ધિવર્ધક ધરાવે છે.
- જુદા જુદા પાકમાં ફુલ, ફળ અવરજાવે છેટકાવ કરવાથી ઉત્પાદન વધે છે.
- વૃદ્ધિવર્ધક હોય નર્સરી તબક્કા માં છોડનો વૃદ્ધિ અને વિકાસ ઝડપી થાય છે.

ઉત્પાદક અને વિહેતા

બનાના સ્યુડોસ્ટેમ પ્રોસેસીંગ યુનિટ
જળ અને જમીન વ્યવસ્થાપન સંશોધન એકમ
નવસારી કૃષિ યુનિવર્સિટી, નવસારી. ફોન : ૦૨૬૩૭-૨૯૨૧૦૩

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BOOK POST

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