



# SKNAU : NEWS & VIEWS

A Quarterly Newsletter

April-June, 2021 : Vol. 2 (2)



## Sri Karan Narendra Agriculture University, Jobner



जोबनेर में पहली बार गिर गाय व बकरी का ताजा एवं शुद्ध दूध पैक में उपलब्ध



एजेंसी के लिए संपर्क करें

डॉ. महेश दत्त

9928402664

डॉ. आर.एन. शर्मा

8949450380

विजेंद्र सिंह

7877718049

बिक्री केंद्र,  
कॉलेज चौराहा, जोबनेर

Published by :

DIRECTORATE OF EXTENSION EDUCATION

Sri Karan Narendra Agriculture University, Jobner-303329

E-mail : [director.ext@sknau.ac.in](mailto:director.ext@sknau.ac.in)



## From the desk of Vice-Chancellor

Agriculture education is the key for the economic development of any nation. SKN Agriculture University, Jobner is also stepping up to the challenge to fulfil the demand of a renewed paradigm to facilitate and undertake human capacity building for developing self-motivated professionals and entrepreneurs through three dimensional activities including teaching, research and extension in agriculture and allied disciplines. The prime vision of the University is to


impart high quality education by fostering the young talent, garlanding with integration of Agriculture, Science and Management for the service of the farming community.

The academic programmes of the University are to be dynamic and focussed on empowering the graduates in appreciating these challenges and preparing them as important stake-holders in innovations for agriculture. The vast network of colleges, research stations and extension centres of the University is playing an influential role in this endeavour. In the present era of World Health Crisis due to COVID-19 pandemic, only agriculture and allied sectors remained an unbeaten sector among all. During this difficult time, our SKN Agriculture University has taken all the care and measures for strengthening and betterment of farming community.

It is a matter of great pleasure to present the third issue of the quarterly Newsletter of Sri Karan Narendra Agriculture University, Jobner "SKNAU: News & Views" providing an ocean of useful information to our readers and all stakeholders regarding the agricultural development and allied activities taking place during the span of this quarter. Our University is working with the special thrust on the production of varieties with special traits, seeds, use of nano techniques in crop production, Soil testing, biocontrol agents, bio-fertilizers, organic farming, rain water harvesting, green energy, etc. with special focus on transfer of technology to the farmers. The recent release of high yielding varieties of different crops is the testimony of contribution of University. The future is filled with possibilities of new approaches, technologies and policies towards sustainable food production for a healthy and happy world. The challenges are formidable and the constraints unceasing, yet, I am confident that SKN Agriculture University will meet the challenges of the farming sector and fulfil its responsibilities in agricultural education, research and outreach in the coming years.

I congratulate to all the members of Editorial Board and convey my best wishes for the grand publicity and success of this Newsletter "SKNAU: News & Views".

**Best Wishes**

  
(Prof. J. S. Sandhu)



**Director, Directorate of Extension Education  
Sri Karan Narendra Agriculture University, Jobner**

## Message

I am feeling great pleasure to present the third issue of quarterly newsletter of SKN Agriculture University, Jobner "SKNAU: News & Views" a treasure of the golden informations and events related with Teaching, Research and Extension, New initiatives and Visits of dignitaries at the University. Directorate Extension Education is devoting immense efforts for the betterment of farming community, providing them livelihood security, uplifting their socioeconomic status and fostering rural community welfare.

I hope this newsletter will prove a treasure for the readers by providing all the information of the University related to various issues, new techniques and innovations in the field of agriculture and allied sectors at a single platform.

I would like to pay my sincere sense of gratitude to Hon'ble Vice Chancellor of the university, Prof. J.S. Sandhu for his marvelous support and guidance for publication of this newsletter.

  
(Dr. Sudesh Kumar)

## Moving ahead with New Wings



### PG Department of Nematology

PG Department of Nematology was inaugurated by Hon'ble VC, Prof. J. S. Sandhu, on 07Apr, 2021. Dr. Sandhu informed that the problem of nematodes is widespread in the sandy soils of Rajasthan and especially under protected cultivation. Therefore, Soil testing facility for nematode population has also been created in this newly established department, where in farmers can get their soil samples tested. Dr. A. K. Gupta, Dean & FC reiterated the significance of this department for both research and farming community. Dr. B. S. Chandrawat, Incharge added that the research efforts will be directed towards identifying the feasible solutions of this problem.

### Soil Testing Mobile Van

In a bid to bring soil testing labs closer to rural farmers, the mobile soil testing laboratory of Directorate of Extension Education, SKNAU launched on 7 Apr, 2021. The laboratory van flagged off by Hon'ble Vice-Chancellor Prof. J. S. Sandhu at DEE, which will cover the remote villages in all jurisdiction districts of SKNAU. Director, DEE Dr. Sudesh Kumar informed that the project will provide the facility of on-the-spot analysis of soil along with the recommendations for the use of manure and fertilizers in correct proportion, in agricultural fields in remote villages where laboratory facilities are not available.



### Catch the Rain Campaign

National Water Mission's (NWM) campaign "**Catch the Rain**" with the tagline "Catch the rain, where it falls, when it falls" is to nudge the states and stakeholders to create appropriate Rain Water Harvesting Structures (RWHS) suitable to the climatic conditions and sub-soil strata before monsoon. In this direction, SKNAU, Jobner has made Rajasthan state's largest farm pond with the capacity of 11 crore liters to collect, store and use the rainwater flowing from Aravali under RKVY project. The water collected in this pond in monsoon season will be used for irrigation and research purposes at the campus.

### Towards the Green Energy

Prof. J. S. Sandhu, Hon'ble Vice Chancellor, SKNAU, Jobner unveiled three battery operated E-Rickshaws (two passenger and one for carrying goods) purchased by Workshop, SKNCOA, Jobner on 07 Apr, 2021. Prof. Sandhu said that, such initiatives will help to curb the use of traditional petroleum fueled vehicles and thereby reducing the emission of harmful gases near the research fields. Dr. A. K. Gupta, Dean and FC added that E-rickshaws are environment friendly and have the potential to reduce the carbon foot print. Dr. Sachin Wandkar, I/C, Workshop, SKNCOA, Jobner informed that these vehicles will be used to facilitate the easy transportation of the UG/PG students as well as the scientists of this college between the main campus and the research fields and to carry the required goods to the research field.





### Inauguration of Biogas Plant

4m<sup>3</sup> Biogas production capacity plant (Fixed dome type) was inaugurated at SKNAU, Jobner by Prof. J. S. Sandhu, Hon'ble Vice Chancellor on 15 Apr, 2021 in the presence of Dean and FC, SKNAU, Jobner, Head of Departments, SKNCOA, Jobner, faculty and students of Department of Soil Science and Agricultural Chemistry. Dr. S. K. Dadhich, HOD, Soil Science informed that Student of SKNCOA, Jobner and farmer were given a practical demonstration on its functioning and methane gas production procedure, to mark this occasion.

### SC Study Room

Inauguration of air conditioned study room for Scheduled Caste students under Scheduled Caste scheme; ICAR was done by Hon'ble Vice Chancellor Prof. J. S. Sandhu and Dudu Additional SP Shri Gyan Prakash Naval at SKNCOA, Jobner. Dr. M. R. Choudhary, the coordinator of the scheme informed that this study room will remain open till 9 pm even on holidays. Prof. Sandhu informed that under this scheme, various types of free trainings like post-harvest management of fruits and vegetables, goat rearing, computer knowledge, mushroom cultivation, bee keeping etc. will be organized for unemployed youth and girls of scheduled castes of Rajasthan.



### Packaged and Hygienic Milk at SKNAU

Dairy Unit of SKNAU, Jobner has started the sales of packaged milk with 'Karan Narendra' brand. Hon'ble Vice Chancellor Prof. J. S. Sandhu informed that the milk of Gir Cow is being packaged after pasteurization, to keep it fresh and free from any bacterial activity in pouches. Dr. A. C. Shivran, Incharge, Dairy Unit told that the dairy will gradually switch towards edible/eco friendly packaging material.

### "Sale Point" at SKNAU, Jobner

With the directions of the Hon'ble Vice Chancellor, a sale point has been established at SKNAU, Jobner, where different University products like seeds of latest varieties of Kharif and Rabi crops, packed milk, eggs, Trichoderma, vermi compost, aonla candy, aonla juice, literature etc. will be sold. Dr. M. L. Jakhar, Director Research SKNAU, informed through the sale point more than 120 qt of TFL seeds of Guar, Bajra, Cowpea and Mung has been sold till June.



### Awards

Dr. Suresh Kumar Khinchi, Assistant Professor and Incharge (ICAR-EL-Unit and Honeybee Unit), Department of Entomology, S.K.N. College of Agriculture, Jobner has been awarded Certificate of Fellowship on date 03 Mar, 2021 by Society for Biocontrol Advancement, C/o, ICAR- National Bureau of Agricultural Insect Resources, Bengaluru, Karnataka in appreciation and recognition of outstanding contribution in the field of biological control crop pests.

# Celebrations

## World Health Day

Every year on 7 April, World Health Day is observed. It is the day that usually marks the beginning of a new campaign to promote a healthy world. In order to celebrate this day, NSS volunteers of College of Agriculture, Fatehpur-Shekhawati, Sikar participated in cleaning and maintenance of the campus plants.



## AMBEDKAR JAYANTI



Ambedkar Jayanti or Bhim Jayanti was celebrated on 14 Apr, 2021 to commemorate Dr. B. R. Ambedkar, Indian polymath and civil rights activist at SKN COA Jobner, College of Agriculture, Kotputli and College of Agriculture, Kumher. Hon'ble Vice Chancellor, Prof. J. S. Sandhu was the Chief Guest of the event at SKNCOA Jobner. Prof. Sandhu remembered the contribution and role of Babasaheb in building modern India. Dr. A. K. Gupta, Dean & FC, threw a light on Babasaheb's life, vision and limitless efforts in bringing social justice and harmony in the country. Dr. Surendra Singh, Dean, COA, Kotputli, remembered him as the principal architect of the Constitution of India. Dr. Uday Bhan Singh, Dean, COA, Kumher honored Babasaheb for his countless contributions in the making of the present-day independent India.

## International Mother Earth Day

**"A healthy PLANET IS NOT AN OPTION - IT IS A NECESSITY"**

Earth Day was observed on 22 Apr, 2021 with aims to build the environmental movement to drive transformative change for people and the planet. This day provides an opportunity to raise public awareness about the challenges regarding the well-being of the planet and all the life it supports. Department of Soil Science and Agricultural Chemistry, SKNAU, Jobner organized an international webinar on the theme "Restore Our Earth" to mark this day. World food prize winner, 2020, Prof. Ratan Lal, Director Carbon Management and Sequestration Center, The Ohio State University, USA, delivered a talk on "Restoring Earth's Carbon Cycle for Enhancing Soil Health". Prof. J. S. Sandhu, Hon'ble Vice-Chancellor delivered Patron's remark. Dr. A.K. Gupta, Dean and faculty chairman, SKNCOA, Jobner presented the formal vote of thanks. Total 900 delegates participated in online event.

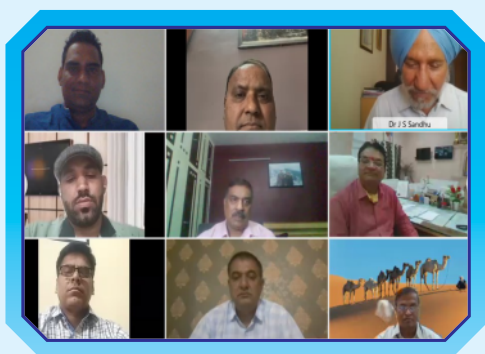


## National Technology Day

College of Agriculture, Kumher celebrated National Technology Day on 11 May, 2021 in virtual mode. Dr. Udai Bhan Singh, Dean, College of Agriculture, Bharatpur laid emphasis on adopting environment friendly agriculture technologies. He highlighted the importance of nano urea for sustainable agriculture. Faculty members and students of the college virtually participated in the event.

## World Bee Day

World Bee Day was celebrated at all KVKs of SKNAU on 20 May, 2021. A virtual beekeeping training was organized at all KVK's for farmers, youth, and students. Dr. Sudesh Kumar, Director DEE, SKNAU, Jobner briefed the participants about the importance of Beekeeping and role of honey bee in ecosystem. Various scientists also threw light on different seasonal management practices of beekeeping, standard bee keeping practices etc.



## World Milk Day

All the KVKs of SKNAU celebrated World Milk Day through an online event on 1 Jun, 2021. Farmers, Youth, Extension functionaries and students virtually participated in the event. Participants were enlightened about the importance of milk in ensuring good health, nutritional security and providing employment and sustainability to rural house hold. Different practices of livestock's including feeding, shelter, breeding, disease management and other related aspect of dairy farming were also discussed. Dr. Sudesh Kumar, Director, DEE addressed all KVK Scientists through online mode

## World Environment Day

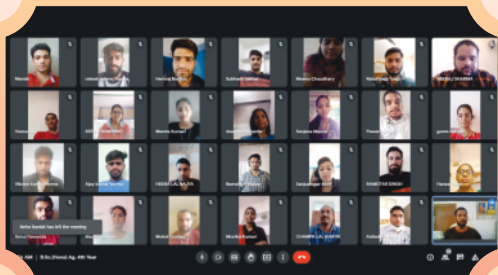
All KVKs and Colleges of SKNAU celebrated the World Environment Day on 5 Jun, 2021 on the theme "Restore Ecosystem for Healthy Environment". The eminent speakers Dr. J. C. Dagar, Ex. ADG NRMA, ICAR, New Delhi delivered a lecture on "Climate Change and Environment Degradation in Relation to Agriculture" and Sh. Mahesh Navhal, Environmentalist and State Amrita Devi Vishnoi Prize Winner 2015, delivered a lecture on "River Revival for Ecosystem Restoration". Prof. J. S. Sandhu, Hon'ble Vice-Chancellor delivered Patron's remark. Dr. A.K. Gupta, Dean and FC, in his opening remarks, highlighted the importance of the chosen topic in present day context. Dr. S. K. Dadhich, Organizing Secretary, put the preface of World Environment day celebration. Total 1041 online delegates participated from India and abroad.



## WORLD YOGA DAY

*Happy soul, a fresh mind, and a healthy body. All three can be achieved with yoga!*

SKNAU celebrated the World Yoga Day on 21 Jun, 2021 in all its colleges, research stations and KVKs and spread the awareness about the importance and effects of yoga on the health of the people. This year's commemoration of the International Day of Yoga focuses on "Yoga for well-being" - how the practice of Yoga can promote the holistic health of every individual. Hon'ble Vice Chancellor Prof. J. S. Sandhu, his wife Mrs. Surendra Pal Kaur, Dean and FC Prof. A. K. Gupta, all the Directors, HODs and the staff members of SKNCOA, Jobner participated in the event with great enthusiasm.



## Academic Activities

Amidst corona period, the course of the first semester of B.Sc. (Hons) Ag part I and Masters, and second semester for B.Sc. (Hons) Ag part II, III was completed through online mode till June in all the constituent colleges of the University.

## READY Programme

The experiential learning programme (ELP) of Rural Entrepreneurship Awareness Development Yojana (READY) was conducted at all the constituent colleges of SKNAU for final year students. Dr. A. K. Gupta, Dean and FC informed that in this component, final year students of all the constituent colleges were attached to various units like, Dairy Units, Poultry Units, and Horticultural Units etc. of the University for 24 weeks. This training cum attachment programme concluded in last week of June at all centres of the University.

Mr. Neeraj Sharma, READY student received appreciation certificate and prize money from Network for Certification and Conservation of Forest (NCCF), New Delhi for completion of on-ground survey of farmers for inputs to the ICFRE Agroforestry Policy Review Research Project.



## Bamboo Compost Model Preparation under ELP



Students of ELP Agricultural waste management were trained for making bamboo compost model. Dr. Sunil Dadhich informed that Students prepared two low cost bamboo compost models for farmer, which will be a demonstration unit on scientific management of biodegradable farm waste for visitors and farmers in the campus. Students filled a real bamboo compost units with the leaves, tree litters and other farm wastes. Cattle dung was used as starter for decomposing. Prof. J. S. Sandhu, Hon'ble Vice Chancellor, SKNAU, Jobner interacted with ELP Students at compost site on 5 Apr, 2021.



## RAWE Programme of Students

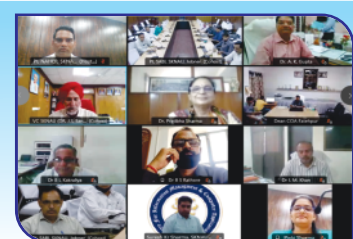
13 Students of SKNCABM, Jobner, COA, Bharatpur and SKNCOA, Jobner, from the old batch completed their Rural Awareness Work Experience (RAWE) and submitted their work reports.

A 35 days training programme of 55 UG students of Jagnath University, Chaksu, Jaipur under "Student READY, RAWE Training Programme" was also organized at Rajasthan Agricultural Research Institute, Durgapura, Jaipur from 06 Apr, 2021 to 10 May, 2021. Scientists at S-ABI were allotted with the students for proper monitoring and evaluation of their assigned work.

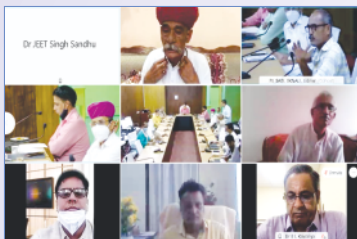


### National Agricultural Higher Education Project (NAHEP)

National Agricultural Higher Education Project (NAHEP) is running at SKNAU, Jobner to improve the academic ambience and technology competence, and install deeper relationship among academia, industry, alumni and entrepreneurs. Different entrepreneurship and skill development programmes, webinars, visits and lectures etc. are organized under this project for inculcating practical aptitude among undergraduate students. Dr. A. K. Gupta, Dean & FC and PI-NAHEP informed that a plethora of activities were organized under the aegis of NAHEP in the last quarter. Few of them are Webinars (23), Quiz series and mock tests (20), one essay writing competition and one consultancy course on Entrepreneurship, Skill Development and Industrial Linkage.



### SKN Agr i-Business Incubator (S-ABI)



Abhyuday-4 and Kalpvriksh-4 programmes for Cohort-4 were launched on 27 Apr, 2021. In these programmes, established startups related to agriculture or any budding entrepreneur who have an innovative business idea can apply, who if further selected are given 2 months free trainings. Prof. A. K. Gupta, PI informed that the objectives of this scheme of the Ministry of Agriculture and Farmers Welfare is, to promote agricultural entrepreneurship and innovation, increase farmer's income, create new employment opportunities etc.

S-ABI also launched its half yearly newsletter "S-ABI Panorama" for the period Jul 2020 to Dec 2020 on 20 May, 2021. Furthermore, a "One day Awareness Workshop on Innovation and Incubation" was organized by S-ABI on 10 Jun, 2021 for the students of SKNAU to inform them about the benefits of incubation and the various Govt. and other Schemes available to support Startups through funding. An interaction session with renowned national awardee farmers was also organized on 15 Jun, 2021 under the aegis of S-ABI.

### New Books Released

The Book entitled "*Kharpatwar Prabandhan Nirdeshika*", written by Dr. Shweta Gupta, Asst. Professor (Agronomy); Dr. Seema Sharma, Assoc. Professor (Agronomy); Dr. Pratibha Singh, Asst. Professor (Soil Science & Agril. Chem.) and Sh. Shiv Prasad Daroga, SRF (Agronomy).

The Book entitled "*Soil Science Treatise*" compiled by Eetela Sathyanarayana, Asst. Professor, (Soil Science & Agril. Chem.), J TSAU, Hyderabad; Manchala S. Kumar, Research Scholar, CCHAU, Haryana; Hanuman S. Jatav, Asst. Professor (Soil Science & Agril. Chem.), SKNAU, Jobner; Sandeep S. Hadole, Assoc. Professor (Soil Science & Agril. Chem.), DPKV, Akola; Jakanoor. B. Aivalli, Asst. Professor (Soil Science & Agril. Chem.), TNAU, Coimbatore.





## Webinars, Trainings and Workshops

S. No.	Title of the webinar/workshop/Trainings	Keynote Speakers/ Experts
1.	Online Career Orientation training on <b>"Career Development in Police services"</b> organized by CDC in coordination with Rajasthan Patrika, Jaipur on 01 Apr, 2021.	Sh. Jogender Singh, SHO, Police Station Jobner
2.	One day online Career Orientation training on <b>"Importance of Discipline in improving the employability of students"</b> organized by CDC in coordination with Rajasthan Patrika, Jaipur on 04 Apr, 2021.	CO Keerti Singh, Dy SP, Sambharlake
3.	National webinar on <b>"Enhancing Farmers Income Through Integrated Farming System"</b> organized by COA, Lalsot, Dausa on 16 Apr, 2021 under the aegis of NAHEP, SKNAU, Jobner.	<ol style="list-style-type: none"> <li>1. Dr. N. Ravi Shankar, Principal Scientist, PFCU &amp; National PI, AI-NPOF, ICAR-IIFSR-Modipuram</li> <li>2. Dr. P. L. Saroj, Director, ICAR-CIAH, Beechwal (Bikaner)</li> <li>3. Dr. S. K. Sankhyan, Principal Scientist, Agri-Education Division, ICAR, New Delhi</li> </ol>
4.	One day online Career Orientation Webinar on <b>"A Talk on: Employability Skills for 21st Century"</b> organized by CDC in coordination with Medha Foundation on 16 Apr, 2021.	<ol style="list-style-type: none"> <li>1. Sh.Piyush Gupta, 2. Miss Urooj Wasim Khan,</li> <li>3. Miss Pragya Dubey, 4. Miss Varsha Mehrotra</li> <li>5. Sh.Ashok Pandey from Medha Foundation</li> </ol>
5.	International Webinar on <b>"World Earth Day, 2021: Restore Our Earth"</b> organized by Department of Soil Science and Agri. Chemistry, SKNCOA, Jobner on 22 Apr, 2021 under the aegis of NAHEP, SKNAU, Jobner.	Prof. Rattan Lal, Director, Carbon Management and Sequestration Center, The Ohio State University, USA
6.	Online CDC workshop <b>"A Workshop on Time management &amp; Procrastination"</b> organized by CDC in coordination with Medha Foundation on 26 Apr, 2021.	Miss Shilpi Singh, Medha Foundation
7.	International Webinar on <b>"Food Security through Innovative Postharvest Technologies in Horticulture"</b> organized by COA, Lalsot, Dausa on 04 May, 2021 under the aegis of NAHEP, SKNAU, Jobner.	<ol style="list-style-type: none"> <li>1. Dr. Nguyen Van Phong, Principal Scientist &amp; Head, Division of Postharvest Technology, Southern Horticultural Research Institute (SOFRI), Tien Giang province, Vietnam</li> <li>2. Dr. Sukhvinder Pal (S.P) Singh, Director, Central Coast Primary Industries Centre, NSW Department of Primary Industries, The University Campus, North Loop Road, Ourimbah New South Wales (Australia)</li> <li>3. Dr. Shruti Sethi, Principal Scientist, Division of Food Science &amp; Postharvest Technology, ICAR-Indian Agricultural Research Institute, Pusa, New Delhi</li> </ol>
8.	Webinar on <b>"Argo-forestry for Entrepreneurship"</b> organized by NAHEP, SKNAU, Jobner on 10 May, 2021.	<ol style="list-style-type: none"> <li>1. Dr. K.T. Pathiban, Dean Forest College and Research Institute, Tamil Nadu Agricultural University, Mettupalaym, Coimbatore, India</li> <li>2. Dr. A.K. Handa Principal Scientist center agroforestry research institute, Jhansi</li> </ol>

9.	National Webinar on " <b>Challenges &amp; Opportunities in Arid Horticultural Crops</b> " organized by NAHEP, SKNAU, Jobner on 13 May, 2021.	<ol style="list-style-type: none"> <li>1. Dr. R.A. Kaushik, Prof. Horticulture, MPUAT, Udaipur</li> <li>2. Dr. D. K Sarolia Principal Scientist (Hort.) ICAR-CAIH, Bikaner</li> <li>3. Dr. Sharvan M. Haldhar, Assoc. Prof. Entomology CAU, Imphal (Manipur)</li> </ol>
10.	Webinar on " <b>Mahamari Ka Samay: Kya Sikhien Kya Bhoolen</b> " organized by CDC, SKNAU, Jobner on 13 May, 2021.	K. Siddhartha, Chief Mentor, ENSEMBLE IAS Academy
11.	National Webinar on " <b>Response and Resilience of Asian Agri-Food Systems to COVID-19: Insights from Principal Farming and Food Systems</b> " organized by Directorate of Research, SKNAU on 19 May, 2021.	Dr. M.L Jat, Principal Scientist/Systems Agronomist & Sustainable Intensification Strategy, Lead-Asia and North Africa- CIMMYT
12.	Webinar on " <b>Entrepreneurial Potential of Small-Scale Beekeeping in Rural India</b> " organized by Department of Entomology, SKNCOA, Jobner on 20 May, 2021 under the aegis of NAHEP, SKNAU, Jobner.	Dr. Kiran Rana, Principal Scientist, AICRP -Honeybees and Pollinators, Dr. Y. S Parmar university of Horticulture & Forestry, Nauni, Solan (HP)
13.	National Webinar on " <b>Prospects of Under-utilized Fruits in India for Nutritional Security and Entrepreneurship</b> " organized by Department of Horticulture, SKNCOA, Jobner on 24 May 2021 under the aegis of NAHEP, SKNAU, Jobner.	<ol style="list-style-type: none"> <li>1. Dr. P. L Saroj, Director, ICAR-CAIH, Bikaner</li> <li>2. Dr. M. K Verma Principal Scientist, ICAR-IARI, New Delhi</li> <li>3. Dr. T. S. Sakthivel, Principal Scientist, ICAR-IIHR, Bengaluru</li> </ol>
14.	Webinar on " <b>Investor Awareness Program on Commodity Derivative Market</b> " organized by NAHEP& S-ABI SKNAU, Jobner on 27 May, 2021.	<ol style="list-style-type: none"> <li>1. Dr. Ratnesh Mishra, Deputy Manager, NCDEX</li> <li>2. Dr. Abhishek Datta, Sr. Executive, NCDEX</li> </ol>
15.	National Webinar on " <b>NEP 2020 and Higher Agriculture Education</b> " organized by Directorate of Education, SKNAU, Jobner on 28 May, 2021 under the aegis of NAHEP, SKNAU, Jobner.	Dr. D. K Singh, Principal Scientist, Water Technology Center and Professor, Division of Agriculture Engineering, ICAR, New Delhi
16.	National Webinar on " <b>Role and Future of Renewable Energy for Sustainable Agriculture under COVID-19</b> " organized by Department of Agri. Engineering, SKNCOA, Jobner on 31 May, 2021 under the aegis of NAHEP SKNAU, Jobner.	<ol style="list-style-type: none"> <li>1. Prof. A.G. Mohod, Prof. &amp; HOD, Dr. BSKKV, Dapoli</li> <li>2. Prof. M.S. Sevda, Prof. &amp; HOD, CAE&amp;PHT, Gangtok, Sikkim</li> <li>3. Dr. C. B. Khobragade, Asstt. Prof., TSSOT, Assam</li> </ol>
17.	National Webinar on " <b>Camel Milk: A Boon to Mankind</b> " organized by Directorate of Extension Education (DEE) SKNAU, Jobner on 01 Jun, 2021.	Dr. A. Sahoo, Director, National Research Center on Camel, Bikaner
18.	National Webinar on " <b>Role of e-NAM and FPOs in Improving Farmers' Income</b> " organized by Department of Agri Economics, SKNCOA, Jobner on 05 Jun, 2021 under the aegis of NAHEP SKNAU, Jobner.	<ol style="list-style-type: none"> <li>1. Dr. Keshar Singh, Deputy Director (Dept. of Agricultural Marketing) Govt. of Rajasthan, Jaipur</li> <li>2. Ramesh Mittal, Director, CCS NIAM, Jaipur</li> </ol>
19.	National Webinar on " <b>Restore Ecosystem for Healthy Environment</b> " organized by Department of Soil Science and Agril. Chemistry, SKNCOA, Jobner on 05 Jun, 2021 under the aegis of NAHEP SKNAU, Jobner.	<ol style="list-style-type: none"> <li>1. Dr. J.C. Dagar, Ex-ADG (NRM), ICAR, New Delhi</li> <li>2. Sh. Mahesh Navhal, Environmentalist &amp; State Amritadevi Vishnoi Prize Winner, 2015</li> </ol>
20.	National Webinar on " <b>Entrepreneurial Potential of Sheep and Goat Farming in Rajasthan</b> " organized by LPM Department, SKNCOA, Jobner on 08 Jun, 2021 under the aegis of NAHEP SKNAU, Jobner.	<ol style="list-style-type: none"> <li>1. Dr. Arjava Sharma Ex-Director, NBAGR, Karnal</li> <li>2. Dr. Arun Kumar to mar Director, CSWRI, Avikanagar (Tonk)</li> <li>3. Dr. R.K. Sawal, Principal Scientist, NRC on Camel, Bikaner</li> </ol>

21.	Webinar on <b>"Career opportunities in the field of processing and food product development of medicinal plants"</b> organized by CDC, SKNAU, Jobner on 14 Jun, 2021.	1. Dr. Seema Sonkar, Associate Professor, CSAUT, Kanpur. 2. Dr. S. K. Goyal, Assistant Professor, BHU, Varanasi
22.	Webinar on <b>"Inspiring Experiences from Innovative Farmers of India"</b> organized by Dept. of Extension Education in coordination with SKN Agri-Business Incubator on 15 Jun, 2021.	1. Padam Shree Sh. Jagdish Pareek 2. Padam Shree Sh. Sunda Ram Verma 3. National Awardee Sh. Surendra Awana 4. Mushroom King, Sh. Mota Ram Sharma 5. National Awardee, Sh. Ganga Ram Sepat 6. Progressive Farmer, Sh. Hanuman Singh Rajput
23.	Webinar on <b>"Frontier Areas in Livestock Production Management and Value-Added Dairy Products"</b> organized by Jhilai-Niwai, Tonk on 16 Jun, 2021.	1. Dr. Atanu Jana, Professor & Head, Dairy Processing and Operations, Kamdhenu University, Anand 2. Dr. A.K. Mishra, Principal Scientist, NDRI, Karnal
24.	National Webinar on <b>"Secondary Agriculture-A New Era of Agriculture Under COVID-19"</b> organized by Department of Agri. Engineering, SKNCOA, Jobner on 17 Jun, 2021 under the aegis of NAHEP, SKNAU, Jobner.	Dr. Narendra S. Rathore, Hon'ble Vice Chancellor, MPUAT, Udaipur
25.	Webinar on <b>"Button Mushroom Cultivation: Scope, Opportunities and Challenges "</b> was organized at RARI, Durgapura by the Directorate of Research, under the aegis of NAHEP, SKNAU, Jobner on June 18, 2021.	Dr. Manjit Singh, Former Director, ICAR-DMR, Solan (H. P.)
26.	Online workshop on <b>"Guidance of psychological counseling &amp; COVID helper skills"</b> on 18 Jun, 2021 organized by COA, Kishangarh Basin collaboration with Mahatma Gandhi National Council of Rural Education.	Mr. Vishal Agravat, MGNCRE, GOI.
27.	Webinar on <b>"Industry Linkage"</b> organized by NAHEP, SKNAU Jobner on 18 Jun, 2021.	1. Dr. S. K. Joshi, Head of Research and Development Hamdard Laboratories India 2. Shri Surendra Awana National Award Winner 3. Shri Saksham Sharma, Executive Vice President, FreshoKartz AGRI Products PVT. LTD.
28.	Online Brainstorming Session on <b>"Insect Pests and Diseases Problem in Protected cultivation"</b> organized by Department of Entomology, SKNCOA Jobner on 22 Jun, 2021 under the aegis of NAHEP, SKNAU Jobner.	1. Dr. Bakthavatsalam, Director, ICAR- NBAIR Bengaluru 2. Dr. D.B Ahuja, Ex-Director, ICAR-NCIPM, New Delhi 3. Dr. A.K Singh, Principal Scientist, Horticulture, ICAR-IARI, New Delhi
29.	National Webinar on <b>"Entrepreneurial Skills to Manage Dryland Areas Through Integrated Farming Systems"</b> in coordination with Dept of Agronomy SKNCOA, NAHEP & ISA-Jobner on 24 Jun, 2021.	Dr. B. S. Mahapatra, Hon'ble Vice Chancellor, Bidhan Chandra Krishi Viswavidyalaya Madhapur, Nadia, West Bengal
30.	Webinar on <b>"Managing stress in all spheres of life"</b> organized by CDC, SKNAU, Jobner on 24 Jun, 2021.	Shri Anil Sharma, Ex-General Manager, SAIL- Bhilai Steel Plant & Renowned HR Expert and Life Skill Trainer
31.	National Webinar on <b>"Trichoderma: A Potential Bioagent for Entrepreneurship under Organic Farming"</b> organized by Dept of Plant Pathology, SKNCOA Jobner on 25 Jun, 2021 under NAHEP, SKNAU, Jobner.	Prof. Pratibha Sharma President, Indian Phyto Pathological Society, ICAR- Emeritus Scientist, Division of Plant Pathology, IARI-New Delhi
32.	National Webinar on <b>"Emerging Trends in Plant Physiology"</b> organized by Dept of plant Physiology, SKNCOA & NAHEP, SKNAU, Jobner on 28 Jun, 2021.	1. Dr. Ashwani Pareek Executive Director, NABI & CEO, CIAB, Mohali (Punjab) 2. Dr. Jagdish Rane, Principal Scientist & Head, ICAR- NIASM, Baramati, Maharashtra

33.	Webinar on “Data Handling Skills: A Key of Success in Career” organized by CDC, SKNAU, Jobner on 30 Jun, 2021.	Dr. Jitendra Kumar, Associate Professor & Head, Department of Statistics, School of Mathematics, Statistics and Computational Sciences, Central University of Rajasthan
34.	National Webinar on "Entrepreneurial Skills to Manage Dryland Areas Through Integrated Farming Systems" in coordination with Dept of Agronomy SKNCOA, NAHEP & ISA-Jobner on 24 Jun, 2021.	Dr. B.S. Mahapatra, Hon’ble Vice Chancellor, Bidhan Chandra Krishi Viswavidyalaya Madhapur, Nadia, West Bengal

### Out of Box Activities Organized under NAHEP, SKNAU, Jobner

S. No.	Title	Duration	No. of participants
1.	Essay Writing Competition "Agri-Business Potential of India"	May 11, 2021	27
2.	Online Quiz Series for U.G. Students to Enhance Excellence in competitive Examinations	May 04, 2021 to May 31, 2021 (10 Exams)	1248
3.	ICAR AICE JRF (M.Sc.)-2021 Mock test for all India competition exam for admission master degree and award for JRF (M.Sc.)	June 07 to June 28, 2021 (7 Exams)	923
4.	Consultancy Course on"Entrepreneurship, Skill Development And Industrial Linkage"	April, 2021 to May, 2021	400



### Organized ZREAC Meeting Kharif, 2020 of Zone IIA

Two days ZREAC Meeting (*Kharif*, 2020) was organized at Agricultural Research Station (SKN Agriculture University, Jobner) Fatehpur - Shekhawati, Sikar for Agro climatic Zone - IIA from 8 to 9 April, 2021. In this meeting two recommendations were approved by the house and nine experiments were allotted to the ATC, Abusar for confirmation of results during the upcoming *Kharif* season.

S. No.	Final Recommendations for inclusion in PoP of Zone II A	Concerned Scientist
1.	Soil application of 20 kg/ha FeSO <sub>4</sub> .7H <sub>2</sub> O before sowing in iron deficit soils or if the iron deficiency symptoms are visually seen in the standing crop, foliar spray of 0.5 % FeSO <sub>4</sub> .7H <sub>2</sub> O (19%) is recommended in green gram.	Dr. Ramu Meena
2.	For effective management of weeds in cowpea, foliar application of Imezathyr 10 % SL @ 80 g a.i./ha in 500-600 litres of water at 25 DAS is recommended or hand weeding should be done at 25 DAS and can be repeated at 15 days interval, if required.	Dr. K.C. Verma

### New Research Projects

S. No.	Title of Project	Principal Investigator
1.	Studies on Effect of Nano Nutrients and Bio-stimulants on Crop Performance and Soil Health funded by IFFCO, New Delhi	Dr. Pratibha Singh
2.	Studies on Response of Dihydrate Polyhalite Fertilizer on Crop Growth, Yield and Soil Health under Semi-Arid Conditions of Rajasthan funded by Sirius Minerals India Private Ltd., New Delhi	Dr. Pratibha Singh

### Testing Trials

1. Bio-efficacy evaluation of new insecticide 'NIL 2003' against of Brinjal and Cauliflower.
2. Effect of application of drip K plus on Nutrient uptake, growth, yield and quality of onion.
3. Two season testing of efficacy, phyto-toxicity and effects on manure enemies studies of Fipronil 0.6% GR (Regent Ultra) in Chilli.
4. Evaluation of bio efficacy and phytotoxicity of product BITCOL-16 for the control of Jassid, thrips Whitefly, Aphid and Pink Bollworm in cotton.
5. Testing of bajra hybrid SUPER 905

### Extension Activities

S. No.	Activities	Achievements
1.	Farmers and Farm Women Trained (No.)	980
2.	Frontline Demonstrations Conducted (No.)	874
3.	Kisan Gosthi (No. of Farmers)	750
4.	Film Show (No. of Farmers)	420
5.	Telephone Helpline	5500



## Capacity Building Programmes

### "Police- Public Dialogue" at SKNAU, Jobner



A Police-Public dialogue programme was organized by Rajasthan Patrika and SKNAU, Jobner jointly to increase coordination between Police and Public from 31 Mar to 2 Apr, 2021. In this dialogue people openly asked questions about the crime, the safety of the traders, the traffic situation in the town, the rights of self defense, the behavior of the policemen in the police station etc. Sh. Gyan Prakash, ASP, Sh. Shankar Sharma, SP, Sh. Jogendra and Smt. Kirti Singh, CO responded to all questions of public and students. Prof. J. S. Sandhu, Hon'ble Vice Chancellor thanked all the Police officials, general public of Jobner and Rajasthan Patrika for conducting such a unique event. Prof. A. K. Gupta, Dean & FC, all the Directors, staff members and students of SKNCOA, Jobner participated in these interactions.

### Training Programme on "Basics of Computer Applications and Internet"

One week training programme on "Basics of Computer Applications and Internet" was organized by Directorate of HRD, SKNAU for University non-teaching staff from 5 to 9 Apr, 2021. Director HRD, Dr. B. L. Kakraliya in his inaugural address said that Computers are an integral part of professional environments in the 21<sup>st</sup> century and not knowing the basic or advanced knowledge of computer technology can be a drawback for any individual. Further, he added that this training will give new skills and upper hand to deal with computer programmes to non-teaching staff. Total 23 candidates participated in this training programme.

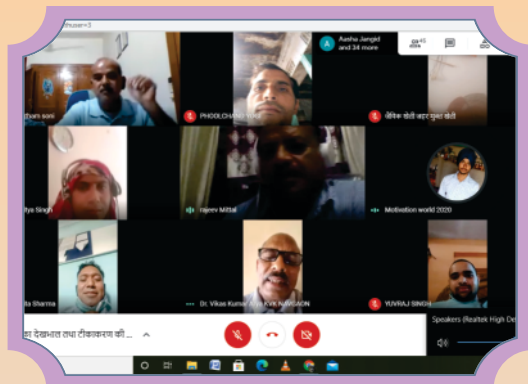


### Training on Bee Keeping at KVK, Dholpur



Krishi Vigyan Kendra, Dholpur organized three days virtual scientific Beekeeping Training programme under National Beekeeping & Honey Mission, National Bee Board, Govt. of India from 29 Apr to 01 May, 2021. Dr. Sudesh Kumar, Director, DEE, SKNAU, Jobner inaugurated the training and emphasized on the importance of honey bees in increasing agriculture production as well as environmental balance. Dr. Navab Singh, Senior Scientist & Head enlightened the trainees about quality honey production and processing. Dr. Dinesh Kachhawa, SMS, Plant Protection explained about various aspect of beekeeping like identification of important caste of honey bee, European bee life cycle, seasonal management, queen bee rearing, laying worker, availability of flora, feed and feeding management etc. Total 72 trainees from Dholpur district participated in this training programme

## Awareness Programme on Health Care and Vaccinations of Livestock in Summer Season



A virtual awareness programme on health care and vaccinations of livestock was organized by KVK, Navgaon, Alwar on 14 May, 2021. Dr. Rajeev Mittal, Sr. Veterinary Officer, Department of Animal Science, Alwar discussed about scientific livestock keeping technologies, role of nutrients for enhanced production and improving reproduction status of livestock. Dr. Dal Singh, Sr. Veterinary Officer explained in details about the vaccination programme in livestock. Around 86 farmers and scientific staff of KVK participated in this programme.

### Multi-location Audio Conference

Krishi Vigyan Kendra, Dausa organized one multi-location audio conference in collaboration with reliance foundation on 26 May, 2021, in which 40 farmers and farm women participated and learnt about cultivation practices of kharif crops like groundnut, til, bajra and clusterbean, their seed treatment and reclamation of sodic and saline soils and in depth discussion of Dhaincha for soil reclamation. All the farmers connected telephonically for detailed discussion. Dr. B. L. Jat, Sr. Scientist & Head answered all the questions of farmers.

### ATIC

Awareness campaign on "COVID-19 Prevention" was organized by Directorate of Extension Education in University adopted village Pachar and Sunderpura on 26 Apr, 2021 and 31 May, 2021. Dr. Sudesh Kumar, director and Dr. Rajendra Rathore, Dy. Director conducted this event for villagers to promote Covid-19 precautions among them i.e. mask wearing, physical distancing and hand hygiene which are the only weapons to remain safe against this virus. DEE staff and villagers also took a safety pledge to foster a safe and healthy environment for everyone.

## Jal Shakti Abhiyan: "Catch the Rain"



An awareness campaign on "Jal Shakti Abhiyan: Catch the Rain" was organized by all Krishi Vigyan Kendra of SKNAU during April to June, 2021. The farmers were briefed about the background and objectives of "Jal Shakti Abhiyan" and they were explained about the various components like renovation of community ponds, strengthening of watershed activities for soil and water conservation, groundwater recharge and afforestation. Off campus trainings were also organized on "Water Use Efficiency and Appropriate Crops" in adopted villages of KVKs. All KVK Scientists, University Officials and more than 500 farmers joined this campaign.

## Awareness Campaign on 'Balanced Use of Fertilizers'



To commemorate 75 years of Indian Independence, KVKs of SKNAU organized farmer's awareness campaign for "Balanced Use of Fertilizers" on 18 June, 2021. Director Extension Dr. Sudesh Kumar joined this programme virtually and stressed that imbalanced and excessive use of fertilizers for increased productivity has created a lot of issues which is now resulting in deteriorated soil health, health hazard, environmental pollution and insecurity of quality food. The farmers were apprised about the ways to take representative soil samples for testing, applying balanced dose of fertilizers, drip fertigation and application of organic resources for improving the crop productivity and soil resilience. Around 400 Farmers, Scientists and KVK Personnel participated in the programme.

## Refresher Training Programme on “Pre-sowing of Kharif Crops”



One day virtual refresher training programme on “Pre-sowing of Kharif Crops” was organized by Krishi Vigyan Kendra, Dausa for extension functionaries. The programme was arranged in collaboration with the Department of Agriculture, Dausa to upgrade the skills in technical areas. Dr. Sunita Kumari, SMS, Ag. Extension conducted this training programme and emphasized on latest packages of practice in Kharif crops. Total 21 Assistant Agriculture Officers and Ag. Supervisors participated in this programme.

### Kisan Gosthi



KVK, Dausa conducted a Kisan Gosthi with collaboration of CSWRI, Avikanager (Tonk) on 24 Jun, 2021. Smt. Jaskaur Meena, Hon'ble MP, Dausa participated in this programme and motivated farmers to diversify farming towards horticulture crops with drip irrigation. 50 farmers and farm women participated in this Gosthi. CSWRI, Avikanagar distributed seed minikits of Bajra, Groundnut (RG-578) and Maize crops to BPL families under TSP Project. Dr. Sudhesh Kumar, Director DEE, SKNAU, Jobner urged farmers to adopt IFS Model to increase their income.

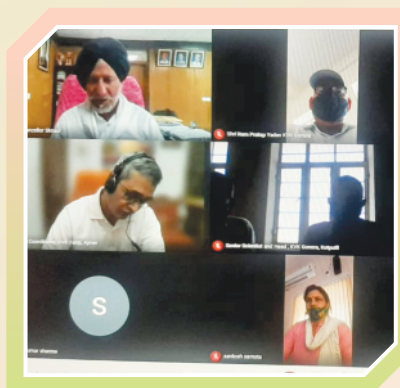
## Human Resource Development (HRD) Activities

In order to improve the competency of employees, Directorate of Human Resource Development, SKNAU, Jobner organizes different types of trainings in coordination with esteemed organizations. Dr. B. L. Kakraliya, Director HRD, informed that, total 139 scientists from SKNAU, Jobner were nominated by HRD from April, 2021 to Jun, 2021 to participate in the following 06 training programmes:

S. No.	Title of Training Programme	Organized by	Duration
1.	Basics of Computer Applications & Internet (23 candidates)	Directorate of Human Resource Development SKNAU, Jobner	05 - 09 April, 2021
2.	Digital Classroom Management (102 teaching faculty)	Department of Statistics, Mathematics and Computer Science, SKNCOA, Jobner	30 Apr, 2021
3.	Production Protocol for Bio-Control Agents and Biofertilizers (1 scientist)	NIPHM, Hyderabad	10 - 30 June, 2021
4.	Pesticide Application Techniques and Safety Measures (03 Scientists)	NIPHM, Hyderabad	12 -16 July, 2021
5.	Opportunities in Agriculture, Animal Husbandry & Allied Sectors for sustainable Entrepreneurship & Livelihood (03 Scientists)	Centre for Incubation and Entrepreneurship, RVSKVV, Gwalior & AEDS, Rampur	01 - 21 July, 2021
6.	Reorienting Extension Education and Advisory services for Sustainable Development of Farming Community (07 Scientists)	Karnataka Veterinary, Animal & Fisheries Sciences, Bidar & NADCL, Baramulla	08 - 28 July, 2021



## ADMINISTRATIVE MEETINGS



S. No.	Description of Meeting
1	Monthly <b>review meeting</b> was held on 08 Apr, 2021 under the chairmanship of Hon'ble Vice Chancellor to review the work progress of different units of university.
2	Meeting of <b>ICAR Nodal officers</b> on 16 Apr, 2021 to discuss the issues on resource optimization. Dean and Faculty Chairman, SKNAU, Jobner attended the meeting.
3	A meeting of all the units of SKNAU, Jobner for <b>development of five years IDP plan</b> of University was held on May 3, 18, 26 and 29, 2021 under the chairmanship of Hon'ble Vice Chancellor, SKNAU, Jobner.
4	Monthly Review Meetings of KVKs, SKNAU, Jobner were held on 15 Apr, 2021, 28 May, 2021 and from 21 to 28 Jun, 2021.
5	The <b>16<sup>th</sup> Academic Council</b> meeting was held on 26 Jun, 2021 under the chairmanship of Hon'ble Vice Chancellor, SKNAU, Jobner. Dr. R.K. Pannu, Ex Dean, HAU, Hisar was the expert of the meeting.

## Visits to Constituent Units of University

Hon'ble Vice Chancellor, Prof. J. S. Sandhu visited KVK, COA and ARS, Navgaon on 08 Jun, 2021 and reviewed the activities of these centers and also distributed Goat to farmers under ARYA project.



Hon'ble Vice Chancellor, Prof. J. S. Sandhu visited COA and ARS, Fatehpur on 22 Jun, 2021 and critically reviewed the progress of both the centers in all teaching, research and extension fronts.



Hon'ble Vice Chancellor Prof. J. S. Sandhu and his team consisting Dr. M. L. Jakhar, Dr. Sudesh Kumar, Dr. Ravindra Paliwal, Dr. A. S. Baloda visited date-farm developed by **Former Agriculture Minister Dr. Prabhu Lal Saini** on 16 Apr 2021. Dr. Saini has developed such a date palm Orchard by selection method, which bears fruits up to 100-125 Kg. He also suggested HVC to get the gene mapping done for the new plants and register the variety.



**Dr. M. L. Jakhar,**  
**Director Research**  
**and Dr. B. L.**  
**Kakraliya Director**  
**HRD, SKNAU,**  
 Jobner visited ARS,  
 Fatehpur on 23 May,  
 2021 and monitored ongoing experiments and harvesting  
 of seed production.



**Dr. A. S. Baloda,**  
**Director, RARI,**  
**Durgapura** visited  
**College of**  
**Agriculture, Jhilai,**  
**Tonk** on 01 Jun, 2021  
 and assessed the  
 facilities available at the campus.



## ★★★★★ Distinguished Visitors

**Dr. R. L. Godara, Hon'ble Vice Chancellor, Vardhman Mahaveer Open University, Kota** on 26 Jun, 2021 visited water harvesting ponds of University and appreciated the "Catch the Rain Campaign" of SKNAU.



**Smt. Jaskaur Meena, Hon'ble MP, Dausa** visited KVK, Dausa on 24 Jun, 2021 and reviewed the facilities available at KVK and distributed seed kits to farmers.

**Smt. Anita Badhel, Hon'ble MLA, Ajmer South** visited KVK, Ajmer on 18 Jun, 2021. She lauded the commendable efforts of KVK, Ajmer in agriculture research and extension.



**Sh. Prashant Bairwa, Hon'ble MLA, Niwai (Tonk)** visited newly established College of Agriculture, Jhilai, Tonk on 01 Jun, 2021 and reviewed the resources and facilities available there.

**Sh. Trilok Chand Meena, SDM, Niwai** visited College of Agriculture, Jhilai, Tonk on 01 Jun, 2021 and assessed the facilities available at the campus.



## Pheromones : A farmer's weapon against the white grub

Agriculture is our wisest pursuit contributing significantly to real wealth, good morals & happiness. The prime goal of farming is not only the growing of crops, but also protecting it from various constraints.

The Groundnut (*Arachis hypogaea* L.), an important oilseed and supplementary food crop of the world is infested by more than 100 insect-pests right from planting stage to its storage. The annual yield loss in the groundnut due to insect-pests is approximately 15%, that is, 1.6 million tonnes of produce worth Rs 25,165 million. Among the pests, soil pest are more important.

**“An insect is more complex than a star and is a far greater challenge to understand”**

This proves true for the white grubs; a nefarious pest of national importance adversely affecting the economic status of the farmers. It has threatened the entire *khari*f production especially in the arid and semi-arid regions. For over a decade, this pest has spread over a large area and has become almost a menace. Both the grubs and adults are univoltine in nature.

The white grubs or root grubs, the soil inhabiting and root feeding immature stages of scarab beetles being highly destructive in nature, are generally known as May-June beetles due to their emergence during the months of May / June. This is a polyphagous pest both in the grub and adult stage and inflicts heavy damage to the various fruit trees, their nurseries, vegetables, lawns and field crops. *Holotrichia consanguinea* is the predominant species of root grub damaging groundnut and in endemic areas, the damage to groundnut ranges from 20% to 100%. The white grubs are broad, fleshy, whitish or greyish white and the body is curved in the form of 'C' shape. The grubs favor light soil, fibrous rooted plants and high particulate organic matter content and are not abundant in waterlogged, compacted, stony soils or lands lacking vegetation.

Hon'ble Vice-Chancellor, Prof. J.S. Sandhu, with his team of SKNAU scientists, Dr. A.S. Baloda, Dr. B.L. Jakhar and Dr. K.K. Saini, gave eco-friendly solution to this major problem of farmers by developing a slow release nanogel formulation of methoxy benzene under the ICAR-All India Network Project on Soil Arthropod Pests, Rajasthan Agricultural Research Institute, Durgapura, Jaipur, in collaboration with ICAR-National Bureau of Agricultural Insect Resources, Bengaluru. This advance version of pheromone trap successfully managed the white grubs, *Holotrichia consanguinea*. The team conducted the field trials at the RARI, Durgapura, KVK, Maulasar, Nagaur, AU, Jodhpur, and Churu, Dausa, Sikar, Bikaner and Jaipur at farmer's field.

This slow release nanogel formulation is effective in aggregation of beetle upto one month and, thus, avoiding replacement of septa daily. The technology was tested in white grub endemic areas of Rajasthan and received very good response from farmers. The cost of per sample is ₹ 10 only and the product is available at ICAR-AINP on Soil Arthropod Pests, Division of Entomology, RARI, Durgapura, Jaipur. The adult of white grub catches per trap per day was recorded a mean of 35.78/day. More than 20,000 pheromone traps have been distributed to the farmers till date. An encouraging response has been received from the farmers so far.



## EDITORIAL BOARD

### PATRON



**Prof. J. S. Sandhu**  
Hon'ble Vice-Chancellor

### EDITORIAL ADVISORS



**Dr. A. K. Gupta**  
Dean & Faculty Chairman



**Dr. Sudesh Kumar**  
Director Extension Education



**Dr. M. L. Jakhar**  
Director Research

### EDITORS



**Dr. Basant Kumar**  
SMS (LPM)



**Dr. Sheela Kharkwal**  
Asst. Professor



**Dr. Shweta Gupta**  
Asst. Professor



**Dr. Partibha Singh**  
Asst. Professor

### TECHNICAL SUPPORT



**Dr. Arun Pratap**  
SMS (LPM)



**Sh. Manoj Kumar**  
Clerk Gr. II, DEE