

INITIATIVES AND ACCOMPLISHMENTS 2020-21



Acharya Narendra Deva University of
Agriculture and Technology,
Kumarganj, Ayodhya (U.P.)

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2020-21



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Kumarganj, Ayodhya (U.P.) - 224229**

Acharya Narendra Deva University of Agriculture & Technology
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Foreword



Acharya Narendra Deva University of Agriculture and Technology, named after the great educationist and social worker Acharya Narendra Deva Ji, is acclaimed for its outstanding contribution in quality teaching, research and extension services in the field of agriculture and allied sectors in nation building. Since inception, university has progressed many folds in terms of diversification of agricultural education, human resource development, students' placement, creation of infrastructural facilities required to carry out research in new areas and to solve location specific problems and development of agro-technologies for improving the agricultural productivity.

The University, determined to create facilities and resources as per the guidelines of ICAR/VCI, restructures and adopts new curriculum time to time. The university is leaving no stone unturned to strengthen and modernize its research/teaching facilities through smart class rooms, communication labs with emphasis on skill development through hands on trainings, workshop, seminars, language classes and exposure visits of students for the overall development of the students. With the concerted efforts the university got successfully **accredited by National Agricultural Education Board of ICAR in its 24th meeting held on 17th September 2020.**

Under the aegis of NAHEP the research activities got much needed boost in 2020 as its central instrumentation lab, college of Agriculture and at college of veterinary science Bacteriology lab, biochemistry lab, pathology lab and parasitology lab got renovated. Also the university entered into MOU's with nationally and internationally renowned expert institutes and started the sandwich program to benefit the researchers. With the support from RKVY its infrastructural development got a new pace and the university got many new state of art laboratories created like animal nutrition lab, ETT lab, well equipped clinical complex, integrated farm model, farms promoting organic farming, etc. In addition, its placement cell got a much needed make over. Even at the time of Covid -19 the university organized webinars and career oriented workshops to enlighten the students.

It was under the able guidance of **Hon'ble Governor, Smt. Anandi Ben Patel**, the Chancellor of the University, that the university expanded its social responsibilities, established “**Mahila Adhyayan Kendra**” and organized different awareness campaigns for the upliftment of rural folk especially women and farming community in general, encouraging them to go for higher education and counsel them for their career. The university is working hard to provide nutritious food to Tuberculosis affected people and is distributing nutritional supplements to anemic women. Animal health and treatments camps were also organized. The university resolved the issues of thousands of villagers by establishing direct communication through Farmers'-Scientist interactions, Kisan Goshti and showcased its technology through Farmer fair inaugurated by **Hon'ble Chief Minister Yogi Aditya Nath Ji. Hon'ble Chief Minister bestowed his blessings by laying foundation stone of different projects.**

I consider that this document will serve as showcase of the university activity. My special thanks to the members of coordination cell and publication committee for their hard and sincere efforts in bringing out this report in a comprehensive and focused way.

A handwritten signature in blue ink, appearing to read 'Bijendra Singh'.

(Bijendra Singh)
Vice-Chancellor

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ABOUT THE UNIVERSITY

The Acharya Narendra Deva University of Agriculture and Technology was established on 10th October 1975. An agrarian pilgrimage for farmers, the university has its headquarter at Kumarganj, which is 42 km away from Ayodhya district head quarter. University caters to the need of education and agricultural development of 26 districts of Eastern Uttar Pradesh under seven divisions viz., Faizabad, Basti, Devipatan, Gorakhpur, Azamgarh, Varanasi and Vindychal Dham, covering three agro-climatic zones, Eastern Plain Zone, North-Eastern plain zone and Vindhyan zone popularly known as Purvanchal. The University has 1777 ha land at main campus. The main campus of university has been developed on 447 ha area and 1330 ha area is available for cultivations and other allied activities. Board of management is the apex body of the university. The Board of faculties through Academic Council advise the Board of management on Academic issues.

The University was initially started with opening of College of Agriculture with 20 departments in 1977. Presently, the university has well equipped seven constituent colleges of which five are located on campus at University Headquarters, namely College of Agriculture, Main campus; College of Horticulture & Forestry, College of Veterinary Sciences and Animal Husbandry, College of Fisheries, College of Community Science in main campus at Kumarganj and two are off campus colleges namely Mahamaya College of Agricultural Engineering & Technology at Ambedkar Nagar and College of Agriculture, Kotwa, Azamgarh Campus, Azamgarh. These colleges offer undergraduate degree programmes, masters' degree and doctoral degree programmes and strive to fulfill the goals and mandate of the university. In addition the university has separate Directorate of Research, Directorate of Extension, Agricultural Research Information centre (ARIS), Directorate of Placement, Central Instrumentation Facility, Playgrounds, Gymnasium, Instructional farms, Clinical Complex, Embryo transfer technology lab, Deep Frozen semen lab, feed processing lab and Instructional Livestock farms.

Research activities of the University mainly aim to meet the goals and objectives of the University as outlined in the mandate. The University has evolved a set of definite and strict guidelines for release of technology to ensure quality, credibility and reliability of research output. All research results are discussed in the Zonal Research and Extension Advisory Committee meetings and any technologies developed is recommended for release on farm trials or inclusion in package of practices based on open peer review in the meetings. The University has released 184 varieties of different crops in the past and developed several production technologies particularly in the area of cereals, vegetables, horticulture and medicinal and aromatic crops. The technologies developed by the university have helped to increase productivity and reduce the cost of production. Breeding for pests and disease resistance in pulses; research in rainfed agriculture; improved crop production technology and mechanization for small farms and conservation of germplasm are some of the areas of current focus in research.



Extension is an important activity of University for the transfer of technology. University has played a lead role by imparting training to extension functionaries, rural women and farm youth through directorate of extension and its seventeen Krishi Vigyan Kendras and four Krishi Gyan Kendras. Recently Government of India through ICAR has sanctioned 08 more KVKs to our university with the aim to reach the poorest of poor farmers at their own village. The University has also established Agriculture Technology Information Centre (ATIC). The information provided by the University is valuable for the farmers to enhance the crop productivity and increase the income for their livelihood.

To achieve these goals, The Teaching Faculty, Research Staff and Administrative staff at various colleges and sections of the University; and research Scientists working in the 25 constituent KVKs and putting their untiring efforts. Also several research projects are under way that are being funded by various agencies like IRRI (Philippines), ICAR, Rashtriya Krishi Vikas Yojana of Govt. of India, UP council of Agricultural Research and other national agencies.



1. ADMINISTRATIVE INITIATIVES

1.1. ACCREDITATION BY NATIONAL AGRICULTURAL EDUCATION ACCREDITATION BOARD (NAEAB)

- The National Agricultural Education Accreditation board (NAEAB) sets up norms and minimum standards for educational institutes, professional societies and to provide guidance for the improvement of existing agricultural educational institutes/ programmes and to develop new institutes/ programmes.
- The University got accredited by National Agricultural Education Accreditation Board of ICAR in its 24th meeting held on 17th September 2020.

GLIMPSES OF PEER REVIEW TEAM VISIT



Meeting of peer review team members with the statutory officers



Meeting of peer review team members with Students



Peer review team members visiting laboratory





1.2. ESTABLISHMENT OF INTERNAL QUALITY ASSURANCE CELL

Internal Quality Assurance Cell (IQAC) is a major body constituted in higher education institutes to implement bench marks for teaching, research, extension and to review the policies pertaining to academic and administrative excellence as a post accreditation quality sustenance measure.

The IQAC is conceived as a mechanism to build and ensure quality culture at institutional level and to develop a system for conscious, consistent and catalytic improvement in the overall performance of the institute. The success of any institution depends on sense of belongingness and active participation in all the activities of the institution by one and all. In this pursuance, IQAC can play a vital role to channelize the efforts of the institution towards holistic academic and administrative excellence.

In view of above, the **Internal Quality Assurance Cell** was established on **07.02.2020** vide order no. **07/Estt./Committee/20/2861-A**.

1.3. IMPLEMENTATION OF ACADEMIC MANAGEMENT SYSTEM

The university has adopted Academic Management system in all its constituent colleges. Master trainers have been appointed to address any issues faced by the faculty and the students. All the faculty members as well as the students have been registered on the Academic Management system. Moto is to bring transparency in the educational system.



1.4. REGULARISATION OF DAILY WAGE LABOURERS

The university regularized its 101 daily wage laborers on regular posts of class III and class IV as per their qualification, who were serving in the university on temporary basis for the last 20 years or more.



1.5. ESTABLISHMENT OF NSS UNITS



After a long gap, 03 units (each of 100 strength) of National Service Scheme (NSS) have been allotted to the university by the Regional Directorate of National Service Scheme, Ministry of Youth Affairs and Sports, Government of India (GOI).

1.6. FELICITATION OF TEACHERS AND EMPLOYEES

The university felicitates its faculty and employees for their outstanding work. The University awards its faculty with “Best Teacher Award” on Teachers day. Seven faculty members received this award this year too.

S. No.	Name of the college	Name of the Faculty
1.	College of Agriculture, Main campus	Dr Sameer Kumar Singh
2.	College of Veterinary Sciences and Animal Husbandry	Dr Bhoopendra Singh
3.	College of Horticulture & Forestry	Dr S.K. Verma
4.	College of Fisheries	Dr S. K. Verma
5.	College of Community Science	Dr Sadhana Singh
6.	Mahamaya College of Agricultural Engineering & Technology	Dr Ram Jeet Singh
7.	College of Agriculture, Kotwa, Azamgarh	Dr T. Pandiyraj



1.7 UNIVERSITY EMPLOYEES ARE FELICITATED ON UNIVERSITY'S “STHAPANA DIWAS”.



The 45th Foundation Day celebrations were celebrated happily.

University, organized a function on the occasion of 45 years of its foundation day. Keeping in mind Kovid-19, scientists, teachers, staff and students of other centers of the university joined the online program in virtual mode. The Chief Guest of the function, the Vice Chancellor of the University, Dr. Bijendra Singh, told that on the occasion of establishment of the University in the year 1975, two agricultural colleges at main campus and Azamgarh, Veterinary Science College, Horticulture College, Technology College, have been continuously in the field of education, research and dissemination. Education in Community Science College, College of Fisheries and Biotechnology, at Headquarters for Research and 07 Crop Research Station of the University, where Research and Seed Production, along, 25 Krishi Vigyan Kendras and four Krishi Vigyan Kendra are functioning in the field of Extension. Speaking on the achievement of one year work, Kulapati said that in the last year, the university's attrition, students' dress Code, first final year exam results, online teachers and staff GPF, seed sale of 2.45 crores, paddy crop in 239 hectares (74 hectares more than last year) developing disposable land as model area has been developed in a 10 acre area, where all information related to fisheries, poultry, goat farming, mushroom cultivation and other agriculture is obtained at one place. Dr. Singh called upon the university's scientists, teachers and staff to work with hard work and dedication so that the university can be established in the leading agricultural universities of India. On this occasion, Dr. S.P. Chatterjee, Finance Controller's Office, Shri. Amarnath Yadav, Vice Chancellor Office, Shri Shamsher, Vice Chancellor Office, Shri Rana Bhushan, Hospital, Mr. Mansaram, Administrative Office and Mr. Tanveer Khan, Directorate of Expansion, by giving him a citation for his outstanding work



2. ACADEMIC INITIATIVES AND ACCOMPLISHMENTS

2.1. TWENTY SECOND CONVOCATION OF THE UNIVERSITY

22nd Convocations held on 12th March, 2021



22nd Convocation of NDUAA&T, Kumarganj was held on 12th March, 2021. Hon'ble Governor of Uttar Pradesh Smt. Anandiben Patel Ji, presided over the function and Chief Guest, Dr. Rakesh Chandra Agrawal, Dy. Director General Education ICAR, New Delhi delivered the convocation address. The chief guest



wished all the students for their future careers. He quotes his own words, "learning is a lifelong process and your degrees only give you a way to learn and teach. Today the options before you are to go in the bounds of a secure job or to be a problem solver to create jobs for others to follow. This could be done by your own entrepreneurial skills or through your

efforts in Research, Development and Innovations that make a difference. In any case, do evaluate your own commitments to society and humanity by judging yourselves in terms of being an asset or liability part of society. Your parents and peers who have been part of your growth will always look upon you." Hon,ble Chancellor, Smt. Anandiben Patel Ji, in his Presidential



address, laid special emphasis on development of such agriculture technologies which may smoothly cope with increasing participation of farmers in terms of easily acceptable technologies with higher productivity by putting in minimum efforts and expenditure along with nutritious food. Hon'ble Vice Chancellor Dr. Bijendra Singh while addressing to the convocation,



said, "I am extremely happy that the 22nd Convocation has concluded within its scheduled period. The better crop management, mobilization of resources from producer to user, synchronization among line departments of agriculture and allied sectors of public and private wings are some very important and crucial factors, which need to

be addressed with missionary zeal to accelerate and gear up ongoing activities by involving a farmer who is the sole player of this scenario. Although we have limited resources, we are continuously making efforts to bring the university on path of the progress. It is our firm belief that



overcoming all challenges and obstacles coming on our way, we will surely succeed in achieving the desired target." Overall, 582 degrees were awarded to students in the convocation. Hon'ble Chancellor/Governor of UP gave total 25 medals to students out of which 06 students got

Chancellor Gold medals, 11 students got Vice Chancellor Gold medals and 08 students got University Gold medals. On this occasion Prof. Ramesh Chandra, Member Niti Aayog & farmer Director ICAR-National Institute of Agricultural Institute of Agricultural Economics & Policy Research, New Delhi was conferred Doctor of Science (Honoris Causa) degree. Hon'ble Chancellor, distributed study bag and fruits to school going children and interacted with progressive farmers. The presence of the distinguished dignitaries, district administrators, the members of board of management and academic council was adding new feathers to the cap of this convocation.



2.2. INITIATIVE OF AGRIBUSINESS MANAGEMENT DEPARTMENT

On the occasion of 22nd Convocation of NDUA&T, Kumarganj on 12th March, 2021 Hon'ble Governor of Uttar Pradesh Smt. Anandiben Patel Ji inaugurated the Agribusiness Management Department. The Department of Agribusiness Management initiated in the college of Agriculture and MBA in Agribusiness Management degree Programmes started with 40 sheets in academic year 2021-22.





2.3. AWARDS AND HONOURS

- Rafi Ahmed Kidwai Award

Hon'ble Vice Chancellor, Dr Bijendra Singh was awarded with the prestigious Rafi Ahmed Kidwai award for his outstanding Contributions in Agricultural Sciences Research in the field of Crop and Horticultural Sciences)



The Indian Council of Agricultural Research, New Delhi has honored Dr. Bijendra Singh, the Vice Chancellor of Acharya Narendra Dev University of Agricultural and



Technological, Kumarganj, Ayodhya on the occasion of its 93rd foundation day on 16th July, 2021 for excellent research and for encouraging excellence in agricultural research Awarded with Rafi Ahmed Kidwai Award 2020 in the presence of Shri Narendra Singh Tomar, Hon'ble Agriculture Minister, Government of India. He was honored by providing online citation, under Category A-1 of the country.

- Pandit Deendayal Upadhyay Krishi Vigyan Promotion Award to Krishi Vigyan Kendra Basti

The Krishi Vigyan Kendra, Basti run under Acharya Narendra Dev Agricultural and Technological University, Kumarganj Ayodhya, was awarded the Pandit Deendayal Upadhyay Krishi Vigyan Protsahan Award by the Indian Council of Agricultural Research, New Delhi. On the 92nd Foundation Day of the Indian Council of Agricultural Research, the Minister of Agriculture, Government of India, Narendra Singh Tomar presented a check of Rs. 7.5 lakh as the honorary amount while presenting the honor.

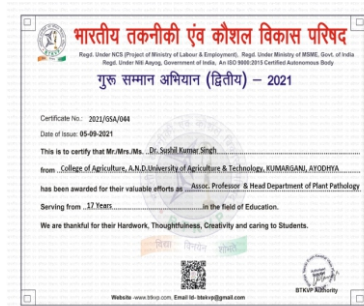


- Prof. Ram Ratan Singh, Professor Soil Science, was awarded with the Guru Samman Abhiyaan award by the "Indian Techn Guru Samman Abhiyaan -II on 5th September, 2021 award overall Development



- Pashudhan Praharee award

Dr. D. Niyogi, Dean, Students' Welfare, was awarded with the Pashudhan Praharee award for his outstanding Contributions in the field of Animal Welfare by Ram Singh Memorial National Animal Welfare Society, India.



- Guru Samman Abhiyaan award

Dr. Sushil Kumar Singh, Associate Dean, College of Agriculture at Main Campus, was awarded with the Guru Samman Abhiyaan award by the "Indian Technology and Skill Development Council, GoI, for his long term Contributions in the field of Students' Education and students' overall Development



2.4. LINKAGES ESTABLISHED

The university has established strong linkages with nationally and internationally renowned Apex institutes and providing exposure visits to its faculty and students. Sandwich programs have been initiated to boost the quality research activities.

The university has signed MOUs with the following institutes:

- Umbrella MoU between ICAR, Govt. of India and Acharya Narendra Deva University of Agriculture and Technology, Ayodhya for All India Co-ordinated research Projects in various Fields of Research
- ICAR- Indian Veterinary Research Institute, Bareilly to strengthen the inter-institutional research activities by conducting sandwich program for research scholars.
- ICAR- National Bureau of Agriculturally Important Microorganisms (Mau Nath Bhanjan, U.P., India) for facilitating inter-institutional scientific collaboration, students' training and post-graduate research activities.
- National Research Centre on Equines, Karnal for strengthening the inter-institutional research activities by conducting sandwich program for research scholars.
- Hester Biosciences, Ahmadabad, for exposure to undergraduate students for drugs & vaccine products
- Brook's India for strengthening the knowledge of UG & PG students in the field of equine research.
- SGPL, Ahmedabad to promote collaborative efforts in the fields of dairy farming and R&D activities on different aspects of Animal Healthcare.
- CSIR-National Botanical Research Institute, Lucknow, India for facilitating inter-institutional scientific collaboration, students' training and post-graduate research activities in the field of Soil Science Research.
- New Holland India Limited, Rohtak, India to promote collaborative activities for agroresidues management at pilot scale.

Madan Mohan Malviya University of Technology, Gorakhpur, India for promoting collaborative work in Agricultural extension and Farmers will be able to use drones and sensor devices related activities.



MoU with Brook India



MoU with Brook India

2.5. SUSTAINING ACADEMIC ACTIVITIES DURING COVID-19

ONLINE ORIENTATION PROGRAM

- Online orientation program was organized for the first year students, in which all the dignitaries including Hon'ble Vice Chancellor briefed the students about the Academic rules, extracurricular activities and other facilities /amenities were discussed.

College	Date of orientation
College of Agriculture	21 the January, 2021
College of Veterinary Sciences and Animal Husbandry	7 th December, 2020
College of Community science	11 th December, 2020
College of Fisheries	4 th December, 2020
Mahamaya College of Agricultural Engineering	11 th November, 2021





ONLINE CLASSES AND EXAMINATIONS

- The university successfully conducted online classes of the students registered in different degree program using various online platforms in the wake of covid-19 pandemic. For the timely completion of B.V.Sc & A.H. degree program, the university conducted the online theory and practical examinations following the guidelines of Veterinary Council of India.

AGRIPRENEURSHIP DEVELOPMENT TRAINING

- 24 students and 18 faculty members has been given training for “Agripreneurship Development” from the National Institute for Entrepreneurship and Small Business Development (NIESBUD), Ministry of Skill Development and Entrepreneurship, Government of India to promote entrepreneurship and skill development among students of the university.

Webinars organized

1. Title: Biodiversity In Relation To Eco-health

Date: 5th June

Organising Secretary: Dr Namita Joshi, Professor and Head, VPH

Guest Speakers:

Dr R C Agrawal, DDG Education Division, ICAR

Dr S V S Malik, Principal Scientist and Head, IVRI

Dr D K Sadana, Retd. Principal Scientist, NBAGR

Dr Madhulika Agrawal, Professor, BHU



2. Title “COVID-19 UNLOCKDOWN: LIFESTYLE FOR HEALTH AND LIVELIHOOD”

Date: 22nd to 24th June. 2020

Organizing Secretary: Dr. S.P. Maurya, HoD, HDFs, College of Community Science



Guest Speakers:

Dr. Jatinder Gulati, Former Dean, CCSc, PAU, Ludhiana

Dr. S.P. Maurya, HoD, HDFS, College of Community Science

Dr. Neelam Yadav, Professor, University of Allahabad

Dr. Alka Goel, Dean, CHSc, G.B.P.U.A.T., Pantnagar

Dr. Rita Raghuvanshi, Professor, CHSc, G.B.P.U.A.T., Pantnagar

Dr. Sudhir Singh, Ex- Principal Scientist, IIVR, Varansi

Dr. Suvrat K. Singh, Former Business Head, Amrit Hatcheries Pvt. Ltd.

Dr. Namita Joshi, , Professor, VPH, A.N.D.U.A.T., Kumarganj

Dr. Farzana Alim, Department of H.Sc., A.M.U., Aligarh

3. Title: Prospects Of Animal Husbandry Sector In Mileau of Aatmanirbhar Bharat

Date : June 27th 2020

Organizing Secretary: Dr S. K. Maurya, Asstt Professor, Veterinary Biochemistry

Guest Speakers:

Dr B. N. Tripathi, ADG, Animal Science, ICAR

Dr S. K. Garg, Former Vice Chancellor, DUVASU, Mathura

Dr G. K. Singh, Vice Chancellor, DUVASU, Mathura

Dr R. S. Chauhan, Professor, Vety Pathology, GBPUA&T, Pantnagar

During the webinar, speakers elaborated the theme and emphasized the aims towards cutting down import dependency by focusing on substitution while improving safety compliance and quality goods to gain global market share in the field of animal husbandry. They also signified the role of animal husbandry sector in making India a self-reliance country.



The speakers emphasized on the need of demand driven innovative research in the field of livestock products and value addition. The possibilities in health management by innovative and indigenously developed products like vaccines and diagnostics were also discussed. The webinar concluded that the vision of Aatmanirbhar Bharat can only be achieved by using indigenous technology in animal husbandry sector.

4. Title: Strengthening Animal Rabies Surveillance in the Region - Our Initiatives

Date: 28th September, 2020

Organizing Secretary: Dr. Namita Joshi, Professor VPH



Co Organizing secretary : Dr Satyavrat Singh, Dr J. P. Singh

Guest Speaker : Dr. Sharada, R., Assistant Professor and Quality Manager,

KVAFSU-CVA Rabies Diagnostic Laboratory,

OIE Reference Laboratory for Rabies, Department of Microbiology, Veterinary

College, KVAFSU, Hebbal, Bengaluru

5. Title: “Career Opportunities For Veterinarians in Wild Life Sector”

Date: 8th October 2020

Organizing Secretary : Dr. Satyavrat Singh

Dr. Bhoopendra Singh

Dr. J. P. Singh

Guest Speaker : Dr Sanjay Kumar Tripathi,

Director, Mumbai Zoo, Mumbai

6. Title: Career Opportunities for Veterinarians in Food Processing Industry

Date: 6th November, 2020

Guest Speaker : Dr Ram Babu Sharma,

National Coordinator

NAHEP-Innovation Grant Project

7. Title: Medicinal Plants for Primary Health Care of Livestock

Date: 4th December, 2020

Guest Speaker : Dr V Ranganathan, Professor and Head,

Department of Veterinary Pharmacology and Toxicology,

Veterinary College and Research Institute, Orathanadu,

Thanjavur District, Tamil Nadu





8. Title: Management of Soil Biodiversity for Sustainable Agriculture

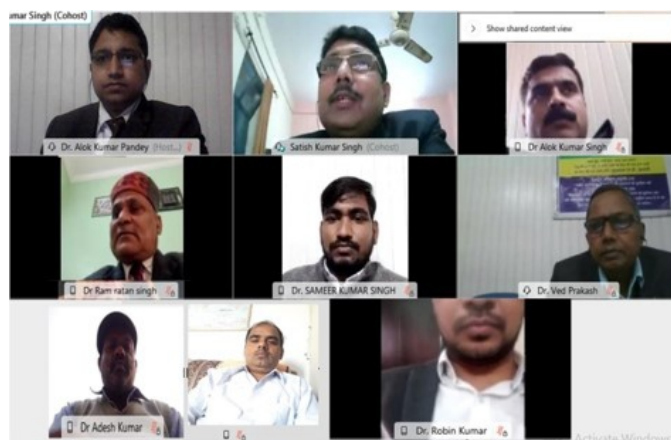
Date: 5th December, 2020 (World Soil Day)

Guest Speaker : Dr S. K. Singh, Professor,
Department of Soil Science and Agricultural Chemistry,
Institute of Agricultural Sciences, Banaras Hindu University,
Varanasi, U.P., India

The meeting is a unique opportunity for the delegates to discuss and share their research findings and direct interaction with strategic partners and leaders in the field. The seminar is designed to facilitate the extended discussions with dedicated networking sessions.

In technical session –I: I am thankful to Hon’ble Vice Chancellor Dr. Vijendra Singh to provide the permission along with all facilities to organize the Virtual Soil Science Seminar. Prof. V.N. Rai, Dean Agriculture, for inaugural address, Dr. D.K. Sharma, Emeritus Scientist & Ex-Director, CSSRI, Lucknow for delivering the lecture on “Sustainable Management of Salt affected Soil” , but could not success due to some technical region,

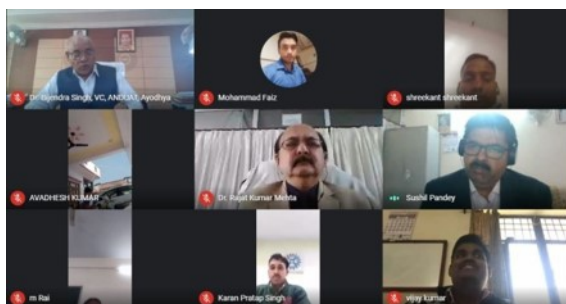
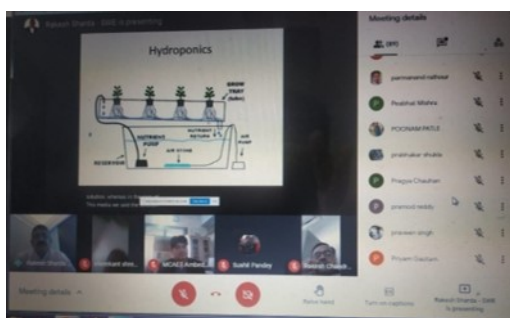
Prof. Ved Prakash, HOD, Department of Soil Science, ANDUAT for delivering the lecture on “Diagnosis and Reclamation of Salt affected Soil” , Dr. Suresh Kumar, Department of Soil Science, ANDUAT



for delivering the lecture on “Significance of Soil Health for Agriculture Sustainability before lunch and after lunch in IInd Technical session Dr. Satish Kumar Singh Prof. BHU for delivering the lecture on “Micro nutrient deficiency and soil Remediation” and Dr. Alok Kumar Pandey, Assitt. Prof. Department of Soil Science, ANDUAT for delivering the lecture on “Soil Microbial Diversity is key to conservation agriculture and closing remarks & vote of thanks by Prof. R.R. Singh.

The deliberations were broadly cover entire range of studies pertaining to relationship between soil biodiversity and sustainable agriculture. I do believe that this meeting will provide a new level of direct interaction between the research students and leaders in agriculture science, strategic partners, to discuss the various breaks through, bottlenecks, recent developments and the contemporary research in the area concern. I am also thankful to all of you on behalf of the organizing committee to participate in the academic first.

9. A view of National Webinar on protective Cultivation organized by Mahamaya College of Agricultural Engineering and Technology



10. TITLE: One health in post pandemic world

Date: 27th April 2021

Guest Speaker: Dr Sandeep Ghatak Principal Scientist Veterinary Public Health ICAR Resesrch Complex for NEH Region Meghalaya delivered Lecture and briefed in detail the concept of One health and its growing significance to combat pandemics like Covid 19. The webinarwas attended by around 140 veterinary graduate and post graduate students.



STUDENT CORPORATE INTERACTIONS

The University is continuously organizing student corporate interaction programs through webinars in post lock down period.

1. Topic: Negative Energy Balance In Livestock: An Update

Date: 19th June, 2020

Organising Secretary: Dr D Niyogi

Guest Speaker:

Dr Amit Singh, Group Product Manager, Alembic Pharmaceuticals Limited

2. Topic: Target 150 Days Concept

Date: 13th August, 2020

Organizing Secretary: Dr. Satyavrat Singh

Guest Speaker : Dr Sanjay Awgahate , General Manager, Virbac India

Dr. J.P. Singh



3. Topic: Career Opportunities For Veterinarians In Corporate Sector

Date: 28th August, 2020

Guest Speaker : Dr Varun Ahuja, Lupin Pharmaceuticals

Organizing Secretary: Dr. Satyavrat Singh

Dr. J.P. Singh

4. Topic: Importance Of Livestock Sector And Career Opportunities

Date: 30th October, 2020

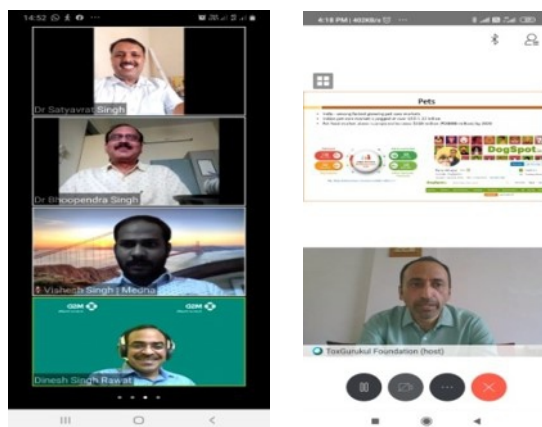
Guest Speaker Dr Dinesh Singh Rawat, Director Ruminant Business unit MSD

(Merck Sharp and Dohme Corp)

Organizing Secretary: Dr. Satyavrat Singh

Dr Bhoopendra Singh

Dr. J.P. Singh



- Student corporate interaction program was conducted in collaboration with Virbac Animal Health Pvt Ltd on 28.07.21 in which Dr Vinayak Surve, Marketing Manager Virbac Animal Health interacted with students and presented a lecture on topic “Daily Derma” . the program was attended by 125 students of the college of veterinary science.
- The financial assistance has been made available to more than 75% students of the university. Total 1474 students of UG & PG have received the scholarship during the academic year 2020-21. That is the record number of students got scholarship in the history of the university. The students of different categories have got scholarships and fee reimbursement from the Social Welfare, Other Backward Class and Minority departments of U.P. Government. Other scholarships / stipends have been provided by Mandi Parishad, U.P., NTS- ICAR, Indo-Afghan fellowship, DST-Inspire Fellowship etc.

2.6. STUDENT ACCOMPLISHMENTS

- Sixty four (64) students from this university qualified in the JRF and SRF examination conducted by



ICAR for the session 2020-21 and thirty one (31) has taken admission in Master's and Ph.D. programme in different ICAR Institutes and State Agriculture Universities of the country.

2.7. STUDENT SCHOLARSHIPS

1. Scholarship from Department of Social Welfare, UP Govt. (2020-21)

(i) Scheduled caste / tribes category	-	305 students
(ii) General category	-	350 students
(iii) Other backward castes category	-	671 students
(iv) Minority category	-	54 students
Number of total students	-	1380 students

2. Mandi Parishad Scholarship (2020-21)

(i) UG level scholarships	-	22 Students
(ii) PG level scholarships	-	14 Students

3. National Talent Scholarship UG & PG (2020-21)

(i) UG level scholarships	-	22 Students
(ii) PG level scholarships	-	25 Students

4. DST Inspire Fellowship (2020-21)

- 02 students (PG)

5. Indo-Afghan Scholarship (2020-21)

- 06 students (PG)

6. University merit scholarship

- 02 students (Ph.D.)

7. International Fellowship for minority

- 01 student (PG)

students

- Allowance for internship from ICAR for 64 final year BVSc and AH students
- All the Processes for providing RAWE scholarship/ stipends from ICAR to the university students of different accredited colleges have been completed. It is expected that the funds will be released by the ICAR within a short period.

2.8. PLACEMENT ACTIVITY

- Forty three (43) students of the university has been selected in the post of Sales Executive / Sales Trainee and Assistant Professors by different reputed Private Companies/ Agencies/ private Educational Institutions with the initiatives of the Directorate of Placement Cell of the University by organizing both online and offline campus interview.
- Initiatives have been taken for recruitment of M.Sc. Agriculture and Horticulture students as young professionals in Uttar Pradesh State Rural Livelihood Mission; Visudh Ajivam , Jharkhand, Shivalik small finances bank.
- Four students have joined in private sector in fish feed companies, two students have joined in Namami-



Gange project as JRF under ICAR- CIFRI, Barrakpore, West- Bengal, and ICAR- NBFGR Lucknow and two student have started own entrepreneurship in aquaculture.

2.9. OTHER STUDENT FOCUSED ACTIVITIES

PARTICIPATION IN AGRISPORTS-2020

- Forty students comprising of 27 boys and 13 girls from different colleges of our university participated in the All India Agri-Sports-2020 organized by Sri Venkateswara Veterinary University, Tirupati, Andhra Pradesh from 1st March to 04th March, 2020.

OTHER INITIATIVES

- Career Advancement Boot Camp (30 hour Training) by Medha Learning Foundation organized for 38 students as a Personality Development Initiative under NAHEP-IG Project.
- 04 students (2 Male & 02 Female) participated in the National Camp Name 'Swaraj to Aatma-Nirbhar Bharat Tak' organized by Association of Indian universities (AIU) to celebrate 75 years of India's Independence and 150th birth anniversary of Sri Aurobindo, with a mission to involve the young generation in the transformation of the nation.
- Group health insurance scheme has been made compulsory for each student in which cashless treatment facilities are available.
- Keeping in view the increasing strength of girls students, one boys hostel (Rapti) has been transformed and modified into girls hostel for better comfortability of the students.



2.10. PHYSICAL EDUCATION

The university lays a great emphasis on the role of games and sports to keep the students physically efficient, mentally alert, morally sound and socially well behaved. These activities are organized through 20 games and sports units like Athletics, Badminton, Basket ball, Cricket, Football, Gymnastics, Hockey, Indoor games, Kabaddi, Tennis, Kho-kho, Handball, Swimming, Table Tennis, Volley ball and Yogic exercises under over all supervision of University Sports Council / Dean Student's Welfare. The University provides required games and sports materials to the hostels as well as University ground. A central play ground adequately equipped with gymnasium, physical fitness equipments and a swimming pool (under construction) exits for athletics as well as other game events.



Sports Coaching Facilities:

Coaching facilities are available in the University play ground for making the students efficient in various games. The students can contact the physical education Staff/ Presidents of various games for guidance.



2.11. SKILL DEVELOPEMENT PROGRAMS

A. CAPACITY BUILDING TRAINING ON “ PROCESSING OF AONLA FRUITS FOR VALUE ADDITION”

Date: 28th -30th January, 2020

Beneficiaries : All Females

Total Number of Students	30
SC	03
ST	01
PH	Nil
General	26



Students with certificates



Guest Lecture by Expert Dr I S Singh



Hands on training of the students

B. TRAINING CUM WORKSHOP ON ANIMAL WELFARE AND EQUINE MEDICINE

Three days training cum workshop on Animal Welfare and Equine Medicine organized by Department of Veterinary Medicine, College of Veterinary Sciences & Animal Husbandry, ANDUAT, Kumarganj, Ayodhya, in collaboration with Brooke hospital for animals (India)

Date: 26th -28th February, 2020

Beneficiaries :

Female			Total	Male			Total	Grand Total
ST	SC	GEN		ST	SC	GEN		
0	0	7	7	3	9	30	42	49



C. YOUTHSCAPE AYODHYA IN ASSOCIATION WITH MEDHA LEARNING FOUNDATION AND NAHEP

Agripreneurship: The future of farming aims for interactive discussions with panelists to energize and inspire the students to be a case of change.



Panelists

1. Mr. Byomkesh Mishra, Co Founder , Medha
2. Dr. Brijendra Singh, Director General UPCAR
3. Ms. Shobha Khadke, Incubation Manager, ISEED-IRMA
4. Dr. P. K. Seth, Founding CEO and Senior Scientist, Biotech Park, Government of India.
5. Mr. Rahul Satpute, Organic consultant to Government of India
6. Mr. Raj Kumar, partner- VietED Group
7. Dr. Manish Kumar Rai, Director, Naya Daur Agro Private Limited
8. Mr. Parvez Khan, Founder, Deva Fisheries

Beneficiaries:

Female			Total	Male			Total	Grand Total
ST	SC	GEN		ST	SC	GEN		
2	34	78	114	7	72	392	471	585

D. CAREER ADVANCEMENT BOOT CAMP (30 Hours Training) BY MEDHA LEARNING FOUNDATION

Number of Students : 38 (Thirty Eight)

Beneficiaries:

Female			Total	Male				Total	Grand Total
ST	SC	GEN		ST	SC	PH	GEN		
0	2	6	8	1	5	1	23	30	38

RURAL HOME SCIENCE WORK EXPERIENCE

- “RHWE Orientation Programme” through virtual mode was held on 22.3.2021
- Various teaching materials were developed by students during RHWE programme like: Story book, Poem Book, Creativity book and Painting book, videos, leaflets, and other teaching/learning resource materials.
- Demonstrations on Nutritious recipes for different age groups, Vitamin A & Iron rich recipes, Low cost weaning foods, waste utilisation, Tie & Die, Block Printing & establishments of nutrition gardens were given.
- Awareness Programme on Tuberculosis & its Management, Drudgery reduction & Care of Clothing, Sensitisation programme on 'Early Childhood Care & Education were organised.



Demonstration was given on Recipes from 'Sahjan' to rural women on Mahila Kisan Diwas celebration held on 15.10.2020

INTERNSHIP PROGRAMME FOR VETERINARY STUDENTS

Final year B.V.Sc. & A.H. students are required to undergo their 6 months compulsory internship program to obtain Bachelors of Veterinary Science and Animal Husbandry Degree. During this 180 days they have to attend different phases namely vaccine production, zoo and wild life management, clinical phase, poultry production, equine management as a part of practical hands on training. In the academic session 2020-21 a total of 18 students got themselves registered in internship program.

RURAL AGRICULTURAL WORK EXPERIENCE

The Rural Agricultural Work Experience (RAWE) as key component of under-graduate programme for imparting rigorous orientation and familiarization of various issues and problems at the farmer's fields and villages has been carried out with utmost sincerity.



Students visit to University research farm under RAWE program



Students visit to allotted village under RAWE program



Study Tour of B. Sc. (Ag.) students



Kisan Gosthi conducted under RAWE Program

STUDENTS EXPOSURE TO FISH FARMER'S ACTIVITIES

A total of 17 B.F.Sc. students under Students READY Programme completed their study in ornamental fish unit through aquarium preparation installation. Under the course FIPT-411, Fisheries In-Plant Training, students were allowed to visit nearby fish farmers to suggest them scientific fish culture activities and to solve their problems after consulting from their advisors in their College.



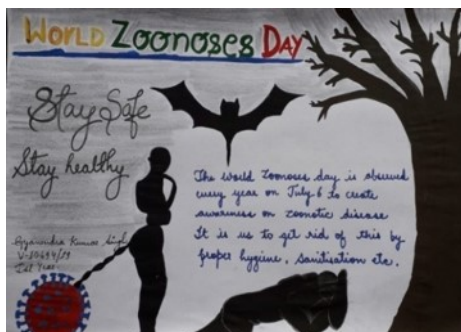
Student preparing ornamental fish culture unit

OTHER STUDENT ACTIVITIES

- Meeting of Institutional Animal Ethics Committee was held on December 18th 2020. A total of 36 research proposals were evaluated by the IAEC.
- World Environment Day was celebrated with school children and university students. To mark the day online quiz competition, elocution competition and painting competition were held.
- Online quiz competitions and Awareness Video clip making competitions were organized as to mark the World Zoonoses Day celebrations on 6th July 2020.
- Online Painting and essay competitions were organized as part of World Veterinary Day-2020 celebrations on 25th April 2020 and around 20 students participated in the competitions.
- World rabies day was observed on 28th September to mark the contribution of Louis Pasteur in the field of vaccine especially Rabies. A national level quiz was organized in which a total of 84 students participated. In addition a National level webinar was also organized.



- World wild life week was organized from 2nd to 9th October in which different activities especially crafted for different age groups were conducted at National level.



Hand painting (World Zoonoses Day)



E poster (World Zoonoses Day)



World Veterinary Day-2020



World Veterinary Day-2020

2.12. COVID INITIATIVES

- All government rules regarding Covid protocols followed.
- Establishment of Covid help desk and regular monitoring of all entering the building
- Regular sanitization of the college premises
- Ensuring vaccination against corona of 100% of the staff
- Keeping in view the Covid- 19 pandemic, Automatic Sanitizer machine, Thermal Scanner and oximeter has been provided in the all the hostel where student were residing for offline teaching and research purposes after re-opening of the hostels to follow the Covid- 19 Advisory.
- Covid-19 testing was conducted for the staff and their family members in the campus regularly from June, 2020 and proper care was taken for quarantine and medication for the Covid-19 positive persons.





7. After Reopening of the hostel in the month of October, 2020, Covid-19 testing was conducted for all the students at the campus for the entry into the hostel so that only covid negative students could be allowed to stay in the hostel. Again, during their stay in the hostel from October, 2020 to March, 2021, Covid testing was done for the students staying in all the hostels time to time. A total of 22 covid-19 testing camps were organized.

8. Covid Help Desk is in operation at the entry point of all Colleges, Directorates and the Administrative building.

9. All the teaching and Non-teaching staff in the university has got vaccinated against covid-19 except very few persons who were severely affected with the covid-19 (890 out of 909). Most of the students of the university have also been immunized by vaccination against covid-19 through monitoring team of the university.

10. Action taken in adopted villages of Krishi Vigyan Kendras for protection of Kovid-19: 05 villages have been adopted from each KVKs under Directorate of Extension of the University, which is about 107 villages. Information about "Arogya Setu App" released by the Ministry of AYUSH, Government of India, was given to the farmers of the adopted villages in different districts of Purvanchal by SMS and told about the feature of this app. In the first phase of the lockdown, 27300 SMSs were given to rural people and farmers through a total of 23 Krishi Vigyan Kendras. Realizing the usefulness of the app, a total of 11416 farmers registered it through the Arogya Setu App on their mobiles and directly connected with the Ministry of AYUSH for protection of Kovid-19. Vaccination drive on large scale is being done among the farmers by all 25 KVKs.



2.13. Publications

- Research articles & Reviews published
in recognized Journals : 263 Nos.
- Books Published : 21 Nos.
- Book Chapters/Review Chapters Published : 96 Nos.



3. RESEARCH INITIATIVES AND ACCOMPLISHMENTS


3.1. CROPVARIETIES NOTIFIED

Crop:	Paddy	
Rice	IR 64 -Sub1 (IET 21247) IR 64*3/ IR 49830-7-1-2-3	
Notification No.	CG-DL-E-08102020-222299 S.O. 3482 (E.)07-10-2020	
Ecosystem	Flash flood mid early	
	Characteristics	Crop
	<ol style="list-style-type: none"> This variety has yield potential of 4.56 t/ha and its maturity duration is 110-115 days. This variety has high submergence tolerance under flash flood and lowland conditions. IR 64 -Sub 1 has good milling (69.3 %), head rice recovery (61.6%), GC % (50.5) and L/B ratio (3.22 mm). It possesses intermediate grain amylose content (24.34%) alongwith good cooking quality. It possesses high degree of tolerance to BLB, sheath blight, leaf blast, brown spot, rice tungro, GLH, case worm, WBPH, plant hopper, gall midge (GMB 1) and stem borer in field condition. 	

2. NDR 9930111 :



Crop:	Paddy
Rice	NDR 9930111 (IET 19117) IR 70803 -2-NDR-3-4-15 Narendra Shishir CN 843-7-1/KDML 105// IR 49830-7-1-2-3
Notification No.	CG-DL-E-03022021-224901 S.O. 500(E).29-01-2021
Ecosystem	Flash flood late shallow low land



Characteristics :	Crop : NDR 9930111 (Narendra Shishir)
<ol style="list-style-type: none"> 1. A semi tall, submergence tolerance, long duration 145 days, high yielding variety (5.5t/ha), short bold grain (SB) type. 2. NDR 9930111 performed exceedingly well under different dose of nitrogen. NDR 9930111 indicated good responsiveness to nitrogen levels. 3. NDR 9930111 has good milling (68 %), head rice recovery (57%), GC % (50) and L/B ratio (2.23 mm). 4. It possesses intermediate grain amylose content (23.56%) alongwith good cooking quality. 5. It possesses tolerance to Leaf Blight, Sheath Blight, Sheath rot, BLB, RTV, BPH, WBPH, GLH, Gall Midge, Blue Beetle, Leaf folder, Case Worm and stem borer in field condition. 	


3.2. CROP VARIETIES RELEASED FROM SVRC

1. NDR-702


Crop: Rice	Name of the culture: NDGR-702 (IET-25882) (NDGR207/IR49906-B-B-B-10-GHT-1)	
Ecology Deep water ecology of Uttar Pradesh (70-120 cm water depth)	 <p style="text-align: center;">Standing crop in deep water</p> 	
Characteristics <ul style="list-style-type: none"> • Long bold red kernel grain • Flowering duration 115 days • Moderate tillering • Good elongation • Kneeing ability with submergence tolerance • Average grain yield 35-40 q/ha • Quality-wise: 67.9% (HRR), amylose content (23.4%), hulling recovery (79.8%) and milling recovery (70.5%) • Moderately resistance to Neck Blast and Stem Borer 	<p style="text-align: center;">26</p>	




2. NW-6046

Characteristics	Name of Crop - Wheat
<p>Characteristics</p> <ol style="list-style-type: none"> 1.Creamy white large seeded 2. Medium tall (68cm) type. 3.Duration:-115-118 days. 4.Yield -20-25q/ ha. 5.Resistant to powdery mildew and tolerant to rust. 	<p>Crop - Narendra Matar-1 (NDP2014-4)</p> 

3. Narendra Chana-1

Charactertics	Crop - Chickpea (NDG-14-11)
<ul style="list-style-type: none"> ➤ Desi bold seeded type(25.9g/100 seed) variety for timely sown condition. ➤ Duration:-135 -140 days. ➤ Yield -25-30q/ ha. ➤ Multiple resistant to dry root rot and Aschochyta blight. ➤ Moderately resistant against to pod borer. 	

4. Narendra Matar-1

<ol style="list-style-type: none"> 1.Creamy white large seeded 2. Medium tall (68cm) type. 3.Duration:-115-118 days. 4.Yield -20-25q/ ha. 5.Resistant to powdery mildew and tolerant to rust. 	
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5. New species of White Eggplant developed

In 39th annual workshop of All India Coordinated Research Project (Vegetable crops) held in Indian Vegetable Research Institute, Varanasi from 7th September to 9th September, 2021, different varieties of vegetables were selected for release by the committee constituted under chairmanship of Deputy Director General(Horticulture), ICAR. In this workshop, one variety of eggplant (N.D.B.White-1) of university was identified.





6. Narendra Aonla-25

Characteristics	Crop : Aonla
<ol style="list-style-type: none"> 1. Early flowering (starts from last week of February) 2. Start bearing in 4th year 3. Early ripening (November) and earliest among the released varieties. 4. Fruit shape- Flattened round. 5. Average yield 34.73 kg/plant, fruit weight 52.76g , fruit size 4.18 cm x 4.41 cm, stone shape-round and size - small, total number of seed 06, segments -6, TSS pulp 11.50⁰Brix, acidity (0.89%) and vitamin C- 545.93 mg / 100 g pulp. 	

3.3. Crop Varieties Submitted for Release :

1. Narendra Aonla-26

Characteristics	Crop : Aonla
<ol style="list-style-type: none"> 1. Early flowering (starts from last week of February) 2. Full ripening in the month of December. 3. Attractive bright green yellow colour of fruits with smooth thin skin of complete ripened fruits. 4. Fruit shape- Flattened round. 5. Average yield/plant is 55.56 kg, fruit weight 45.68g , fruit size 3.93 cm x 4.15 cm, total number of seed 06, segments -6, TSS pulp 10.85⁰Brix, acidity (1.10%) and vitamin C 483.68 mg / 100 g pulp. 	 



2. Narendra Aonla-25


Characteristics	Crop : Bael (ND/AH-10)
<ol style="list-style-type: none"> 1. Early ripening (March) and earliest among the released varieties. 2. Compact foliage, less fruit sunscald and very less thorns under subtropical -arid environment and starts bearing in 4th year. 3. Drought tolerant, luxuriant growth and higher fruit yield under less precipitation and high temperature. 4. Attractive light yellow colour of pulp of complete ripened fruit. 5. It is highly suitable for powder and RTS owing to attractive pulp colour and fibre content. 	




Fig. Ripened fruit of Narendra Bael-10

3.4. Crop Varieties Identified for Release


1. NDR-9730018

Crop:	Paddy
Rice	NDR 9730018 (IET 17294) IR 67469-1-2-M-1-1-1 (IR 53519-26-4-2-1-3/PSBRC 60) Narendra Pani Dhan
Release	SVRC
Ecosystem	Flash flood late shallow low land




Characteristics:	Crop : NDR-9730018
<p>1. A semi tall, submergence tolerance, long duration 145 days, high yielding variety (5.6 t/ha), long slender grain (LS) type.</p> <p>2. NDR 9730018 performed exceedingly well under different dose of nitrogen. NDR 9730018 indicated good responsiveness to nitrogen levels.</p> <p>3. The rice variety NDR 9730018 has exhibited fare degree of tolerant to major diseases and insect pests.</p> <p>Disease- Leaf Blast,BLB,ShB,ShR and Rice tungro</p> <p>Insect/pest- BPH,WBPH, Whorl maggot, GLH,Gall midge and Stem borer</p> <p>4. The variety NDR 9730018 posses long slender grain type with good cooking qualities, milling% (80%) and head rice recovery (66%) with amylose content of about 24.03%. It cooks better a s its gel consistency is soft (53.3 mm) with moderate alkali spreading value of 4.0</p>	

2. NDR 8418-3

Crop:	Paddy
Rice	NDR 8418-3 Kalanamak/Swarna
Release	SVRC
Ecosystem	Late aromatic short grain (Kalanamak Type)
<p>Characteristics:</p> <p>1. A semi tall, submergence tolerance, long duration 145 days, high yielding aromatic short grain variety (4.3 t/ha), short bold grain (SB) type.</p> <p>2. NDR 8418-3 performed exceedingly well under different dose of nitrogen. NDR 8418-3 indicated good responsiveness to nitrogen levels.</p> <p>3. The rice variety NDR 8418 -3 has exhibited fare degree of tolerant to major diseases and insect pests.</p> <p>Disease- BLB,ShB,ShR and Rice tungro</p> <p>Insect/pest- BPH,WBPH, Whorl maggot, GLH, and Gall midge</p> <p>4. The variety NDR 8418 -3 posses long sle nder grain type with good cooking qualities, milling% (80%) and head rice recovery (66%), good aroma.</p>	 <p data-bbox="915 1772 1305 1793">NDR 8418-3 Kalanamak/Swarna</p>



4. NDBG-16

<p>Crop- Bottle gourd Characteristics</p> <ul style="list-style-type: none"> • Season-<i>Zaid</i> and <i>Kharif</i> • Recommended for Zone - Zone I(J&K and Uttarakhand) and VIII (Karnataka , TN and Kerala) • Features- Long fruit shape • Average Yield -270.83 • Potential Yield-542.2 q/ha 	 <p>Fig- Narendra Kamna (NDBG-16)</p>
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3.5. GERMPASM CONSERVATION

Crop	Number
Rice	1260
Maize	180
Wheat	370
Barley	281
Gram	440
Green gram	160
Black gram	150
Pea	210
Lentil	290
Forage Crops	282

ACHIEVEMENTS IN DIFFERENT THEMATIC AREAS OF RESEARCH

INTEGRATED FARMING SYSTEM

Identification of cropping systems for Eastern Uttar Pradesh

- The highest benefit: cost ratio of 1.85 was recorded with rice–frenchbean-greengram cropping system followed by rice-cauliflower-okra (1.74 ratio).
- The highest system productivity 64.9 kg/ha/day was recorded by rice-potato-cowpea sequence followed by rice–wheat + greengram (61.53 kg/ha/day) and rice-frenchbean-greengram(56.70 kg/ha/day).

Evaluation of weed management practices under organic system.

- Maximum rice grain equivalent yield of the system (22777 kg/ha/yr) obtained with incorporation of neem cake 15 days before sowing @ 2t/ha +one hand weeding followed by stale seed bed+ reduced spacing by 25% + one hand weeding at 50 DAS (21123 kg/ha/yr) can be adopted in the region to sustain and to ensure the better livelihood security of the farming community.

Sustainable resource management for climate smart IFS



- Integrated farming system model of one hectare recorded gross income (Rs 371278/year), net income (Rs 160586/year) and benefit: cost ratio (0.76).
- IFS model approach is a viable to fulfil all livelihood requirements of small and marginal farmer's family. It provides nutrient rich diet to the human being and animals. And sustain the soil and environment by recycling and making productive use of all the farm wastes and residues etc. it helps in round the year income generation, employment generation and meets the nutritional requirement of family.

On Farm Research

- Highest net return of Rice-Wheat cropping system in Vindhyan Agro Climatic Zone of Eastern UP can be obtained with recommended dose of NPK @ 120-60-60kg/ha along with ZnSO₄ @ 25 kg/ha.
- Diversification in crops / improved varieties and balanced fertilization, improved feed for animals, Deworming to animals as interventions provided to the farming community can increase the productivity of crops/milk and thereby increase the net return of marginal farmers of the region.

➤ ALL INDIA CO-ORDINATED RESEARCH PROJECT ON SPICES

Achievements

- The ANDUAT centre has developed 11 varieties of the different spices crop. In which 5 Varieties of turmeric namely, Narendra Haldi-1, Narendra Haldi-2, Narendra Haldi-3, Narendra Haldi-98 and Narendra Saryu (NDH-8). In Coriander two varieties- Narendra Dhania-1 and Narendra dhania-2. In fenugreek 3 varieties namely, Narendra Methi -1, Narendra Methi-2 and Narendra Richa, and one variety of Saunf-Narendra Saunf-1.

➤ Fig: Turmeric varietal trial

➤ Best centre award:

- All India Coordinated research project on Spices of Acharya Narendra Deva University of Agriculture and Technology, Kumarganj, Ayodhya has got “BEST AICRPS CENTRE AWARD 2018-19” for the



significan



t contributions towards spices research in India during XXX workshop of ICAR-All India Coordinated Research Project on Spices held at Tamil Nadu Agriculture University, Coimbatore from 13 Nov. to 16 Nov. 2019.

SALIENT ACHIEVEMENTS A.I.C.R.P. on AGROFORESTRY FOR 2020-2021

The salient achievements under *All India Coordinated Research Project on Agroforestry* during 2020-2021 is summarized below:



Achievements under various systems adopted:



1. As per **paddy-mustard based sequence**, significantly higher grain yield of **paddy** variety Sarjoo-52 (2.05 t ha^{-1}) and **mustard** variety Kranti (1.35 t ha^{-1}) have been achieved as compared to other varieties of paddy and mustard under *Dalbergia sissoo* based agri-silviculture system.
2. As per **organic fertilizers based experiment on**, the maximum grain yield of **paddy var. Sarjoo-52** (2.03 t ha^{-1}) has been obtained with the application of **FYM 10 t ha^{-1}** under *C. equisetifolia*, while higher grain yield of **wheat var. NW-2054** (2.21 t ha^{-1}) was recorded by the application of same treatments *i.e.* 10 t ha^{-1} FYM under *D. sissoo* based **agri-silviculture system**.
3. Significantly higher **turmeric** rhizome yield ($7.18 \text{ t ha}^{-1}\text{yr}^{-1}$) has been obtained due to application of 50% recommended dose of NPK ($120:80:80 \text{ kg ha}^{-1}$) + 50% FYM dose (recommended dose 20 t ha^{-1}) as compared to other treatments under **agri-silvi-horti system**.



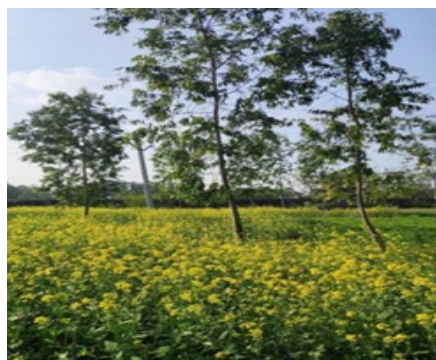
4. In the *Dalbergia sissoo* based **silvi-pastoral system**, the maximum annual green fodder yield was found for *Pennisetum purpureum* (45.17 t ha^{-1}), followed by *Panicum maximum* (32.29 t ha^{-1}) and *Brachiara mutica* (27.35 t ha^{-1}).



5. Under *Eucalyptus* based agroforestry system for Indo-gangetic plains, from plant growth performance, amongst 5 treatments including control (open area), the maximum tree height (7.43m and collar diameter (1069 cm) were recorded T₁ treatment (Moong-Wheat). The maximum number of branches (45) and crown spread (2.13m) also recorded in T₁ (Moong-Wheat). The maximum moong grain yield (0.47 t ha⁻¹) as *kharif* intercrop was obtained in T₁ (Moong-Wheat) treatment as compared to T₃-Moong-Mustard (0.38 t ha⁻¹), while in open area higher Moong yield (0.59 t ha⁻¹) was obtained as compared to system in T₁ treatment. The higher wheat grain yield as *rabi* intercrop (1.94 t ha⁻¹) was recorded in T₁ treatment in Urd-Wheat (T₃). In open area comparatively higher grain yield of Wheat (2.45 t ha⁻¹) was observed in the T₁ treatment.

Salient Achievements of AICRP on Potato

- On the basis of 5 year result it has been concluded that planting of Potato at optimum date (25th Oct to 5th Nov.) harvested at 90 days and transplanting onion thereafter is recommended for Potato- Onion cropping sequence for Eastern U.P.
- Five new varieties i.e. Kufri, Chipsona-4, Kufri Sangam, Thar-1-2 and Thar -3 were released at national level with the corporation of Faizabad (Ayodhya) ACRIP Center.
- PG students also benefited with their thesis research work and awarded degree in the field of Potato crop.
- Farmers of Eastern U.P. also benefited 50-60 farmers by adopting demonstrated technology from FLDs





experiments.

- On the basis of three year pool data incorporation of 33% and 67% dose of nitrogen of the recommended dose of nitrogen to the region through organic (FYM) and inorganic (urea) sources respectively recorded maximum potato tuber yield more net return as well as maximum cost ratio. Hence it may be recommended for commercial cultivation of potato in Eastern Uttar Pradesh.

G-Training/workshop/seminar attended

Attended On-line 39th Annual Group Meeting of AICRP- Potato (2020-20221).

H-Other work

Monitored AICRP Potato experiments at CSA, Kanpur & Modipuram as monitoring team member as nominated by Director, CPRD, Shimla (H.P.).

I-Photographs



View of AGRON-2 experiment (Kharif season)



View of GENET-4 experiment



Interaction with farmers at MES



Visit of Potato experiments by Hon'ble Vice-chancellor



Visit of potato experiment by Monitoring team (AICRP-Potato)



Visiting of Potato Varieties by Hon'ble Vice Chancellor, Dean (COH&F) and Accreditation team members at MES Vegetable Farm



• **SEED TECHNOLOGY**

- The old seed lots of preceding year were seemed to be not-revalidated for pursuing crops season in wheat crop.
- Hydropriming and seed coating with drought alleviating bacteria+ biogrow followed by hydropriming and seed coating with Bio NPK treatment could be utilized for enhanced seed quality parameters i.e. first count, germination, vigour index-I, vigour index-II, speed of germination, final plant establishment and yield in lentil and fieldpea crops.
- Foliar spray of Salicylic acid @400ppm could be exploited to increase number of primary and secondary branches per plant, total number of siliqua per plant, plot yield and harvest index in mustard crop.
- Emamectin benzoate (Proclaim 5 SG) @ 40mg /kg seed was found superior in term of germination (88.3%) with 0.7 % insect damage among all the treatment. Among botanicals, NeemAzal 10,000ppm @ 1.5ml/kg seed could be considered for standard seed germination (84.7%) with 1.98% insect damage followed by Acorus calamus TNAU Formulation @10ml/kg which was at par with Emamectin benzoate @ 40mg /kg seed. However, all the botanicals were found at par with Deltamethrin 2.8 EC @ 0.04 ml/kg seed.
- Spraying of Emamectin Benzoate 5 SG @0.3ml/L was found the best treatment followed by spraying of profenfos 50 EC 50EC @1ml/L, neemazal 1000ppm @1ml/L and malathion 5% @10kg/acre dusting at 50% pod maturity and maturity stages.

Outcome :

Nucleus seed production during 2020-21:

- Rice variety MTU-7029 (0.50 q), BPT-2504(1.8 0 q), Sarju-52 (0.80 q), NDR-2065 (0.80 q), Sambha Sub-1(0.90 q), NDR-97(0.40 q), NDR-2064(0.80 q) and NDR-359(0.50 q) total 6.5 q have been produced for multiplication to organizations and seed producing farmers.
- Wheat variety NW-5054(2.00 q), HD-2967(5.00 q) and NW-1014(2.00 q) total 9.00 q have been produced for multiplication to organizations and seed producing farmers.
- Barley variety NDB-1445(0.60 q) total 0.60 q have been produced for multiplication to organizations and seed producing farmers.
- Rai Variety NDR-8501(0.05 q) and Pitambari(0.05 q) total 1.00 q have been produced for multiplication to organizations and seed producing farmers.
- Lentil variety NDL-1 (0.60 q) total 0.60 q have been produced for multiplication to organizations and seed producing farmers.
- Pigeon pea variety NDA-2(0.30 q) total 0.30 q have been produced for multiplication to organizations and seed producing farmers.

Breeder seed production during 2020-21:

- Rice variety BPT-2504(78.00 q), Sarju-52 (178.47q), NDR-2065 (122.50 q), Sambha Sub-1(167.20 q),



NDR-97(4.80 q), and NDR-359(36.00q) total 586.97 q have been produced for multiplication to organizations and seed producing farmers.

- Pigeon pea variety NDA-2 (4.50 q) total 4.50 q have been produced for multiplication to organizations and seed producing farmers.
- Wheat variety HD-2967(147.60 q) and NW-1014(40.00q) total 187.60 q have been produced for multiplication to organizations and seed producing farmers.

Foundation seed production during 2020-21:

- Rice variety Sarju-52 (644.60 q), NDR-2065 (932.19 q), NDR 2064 (133.27 q), Sambha Sub-1(1678.52 q), NDR-97(13.60 q), MTU 7029 (50.40 q), HUR 1304 (24.00 q), HUR 1309 (18.00 q), Kala Namak-3 (12.00 q) and Rajendra Bhagaiti (10.00q) total 3516.58 q have been produced for multiplication to organizations and seed producing farmers.
- Mungbean variety NDM-1 (4.00 q) total 4.00 q have been produced for multiplication to organizations and seed producing farmers.
- Urdbean variety IPU-2-43 (3.50 q) total 3.50 q have been produced for multiplication to organizations and seed producing farmers.
- Pigeon pea variety NDA-2 (7.58 q) total 7.58 q have been produced for multiplication to organizations and seed producing farmers.
- Wheat variety NW-5054(45.00 q), HD-2967(1272.97 q), DBW 187 (106.40 q), HD -3086 (216.20 q), DBW-550 (92.00 q), WB-2 (127 q), CBW-38 (3.80 q), DBW-252 (5.50 q), PBW-154 (10.80 q), HD-3271 (100.20) and NW-1014(100.00 q) total 2079.87 q have been produced for multiplication to organizations and seed producing farmers.
- Lentil variety NDL-1 (100.85 q), KLS 122 (3.95 q) and KLS-09-3 (9.20 q) total 114.00 q have been produced for multiplication to organizations and seed producing farmers.
- Rai Variety NDR-8501(127.10 q), Maya (1.92 q) and Pitambari (11.10 q) total 140.12 q have been produced for multiplication to organizations and seed producing farmers.
- Gram/ Chick Pea variety RVG-202(57.78 q) and RVG-203 (20.40 q) total 78.18 q have been produced for multiplication to organizations and seed producing farmers.

Certified seed production during 2020-21:

- Rice variety MTU-7029 (262.96 q) and NDR-2065 (22.00 q) total 284.96 q have been produced for rice producing farmers.
- Pigeon pea variety NDA-2 (47.00 q) total 47.00 q have been produced for pigeon pea producing farmers.
- Wheat variety HD-2967(177.75 q) total 177.75 q have been produced for wheat producing farmers.



Impact:

Seed Production activities of especially newly developed and demand driven varieties of major crops have been taken up on massive way at University as well as farmer's field on participatory mode. All technical know-how were provided time to time for successful seed production. Farmers were so impressed that they have become a part and partial of seed business. Further, Technologies developed under various disciplines viz., seed production, seed physiology, seed pathology and seed entomology of NSP-STR being disseminated through trainings, field demos., field days, kisan mela and also through radio talk and mobile to farmers. Hydro-priming in wheat, System of Rice Intensification, use of newer molecules during storage, foliar spray of Tilt/ Propiconazole (0.1%) at booting stage for control of false smut in rice and for karnal bunt in wheat are some of the technologies which are being percolated to the farmer's field.

CROPPHYSIOLOGY

Centre of Excellence for Rice

- Government of Uttar Pradesh vide letter No. 24/2020/788/67-d` fkv-20-1500(11)/18 dt.31.08.2020 has sanction Rs. 25.00 lacs for research work of Centre of Excellence for Rice with several research activities are in progress which will be communicated to the Govt. time to time. Physiological, biochemical and molecular activities is ongoing.



OM-4900



Mutant plant of traditional variety- Dhan

- Under EC-IFAD project of IRRI, Philippines, research is being carried out with different crop establishment methods and nutrient as well as chemical composition options under rainfed condition and found following achievements :-
 - A. Improved seed and grain quality.
 - B. Increased average yield of crop by 8-10%.
 - C. Improved fertilizer use efficiency of crop.
 - D. Inhibits loss of nitrogen from soil.
 - E. Increased nutritional value of grain.



Sahbhagi Dhan



Bumper crop of Sahbhagi dhan under nutrient management options

- Under EC-IFAD project of IRRI, Philippines, new research activity “Standardization of Sanda technology for Eastern part of Uttar Pradesh” is on going (New experiment). Plant Molecular Biology & Genetic Engineering

Plant Molecular Biology & Genetic Engineering

- Salient project achievements: Developed submergence and drought dual tolerant rice lines- SN 180-70-3, SN 180-70-5 and SN 180-70-7, HYBRID RICE Deposited 4 cultures of Bacillus spp. in National agriculturally important microbial culture collection ICAR-NBAIM Mau with accession no TB 3338, TB 3339, TB 3340 and 3341

HYBRID RICE

During Kharif 2020, totally 74 hybrids were evaluated in four hybrid rice trials viz., IHRT-E, IHRT-ME, IHRT-M, IHRT-MS, in different locations representing North, East, Northeast, Central, West and South zones of the country. Hybrids with more than 10 percent yield advantage over the varietal check and 5 percent over the hybrid check are identified as promising. Details of the top three ranking hybrids in each of the trials are given below. IIRR Annual Progress Report 2020 Volume I - Varietal Improvement vii Promising hybrids identified in different hybrid rice trials (2020).

Promising hybrids identified in different hybrid rice trials (2020) :

Name of the Hybrid	IET No	DFP	Promising in
IHRT-E			
PHI 20101	28959	88	Overall
HRI 207	28950	85	Overall
JKRH 1601	28956	89	Overall
IHRT-ME			
PHI 20102	28979	93	Overall
KAVERI 7317	28972	90	Zone II & V
RRX 809	28982	93	Zone III
IHRT-M			
PHI 20108	29006	95	Overall
S 7004	29001	98	Overall
HRI 204	28997	99	Overall
IHRT-MS			
RALLI 19608	29017	97	Overall
KAVERI 7623	29019	97	Overall
RRX 708	29021	101	Zone III



BIOFORTIFICATION TRIALS

AVT 1–Biofort:

Based on the yield advantage of 5% over the BVC (>100 DAF) or 5% over IR 64 (≤ 100 DAF) and also exhibiting ≥ 24 ppm Zinc content (or) ≥ 10 ppm Iron content (or) $\geq 10\%$ protein content the following entries have been promoted to AVT 2 -Biofort:

- Zone VI: IET 28714

Note: The following entries will be repeated as they had ≥ 24 ppm Zinc content though they did not exhibit yield superiority:

- Zone VI: IET 28703, IET 28714, IET 28694, IET 28704, and IET 28701

Eight entries (IET 29454, IET 29459, IET 29464, IET 29467, IET 29474, IET 29475, IET 29476 and IET 29483) with ≤ 100 days to 50% flowering exhibited a yield advantage over IR 64. Among these eight superior performing entries none had the required Zn content (≥ 24 ppm) or Fe content (≥ 10 ppm), hence none of them were promoted. Further, none of the entries with days to 50% flowering ≥ 100 had a yield advantage over the best variety check (BVC). In zone III, the trial was conducted at 5 locations across Uttar Pradesh, Bihar and Odisha (Bhubaneswar, Cuttack, Jeypore, Bikramganj, and Masodha). The trial was not conducted at Chinsurah, Sabour and Varanasi. In Zone III, all the four checks had < 100 days to 50% flowering, hence the entries were compared with BVC only. Seven entries (IET 29454, IET 29458, IET 29461, IET 29466, IET 29467, IET 29472 and IET 29475) showed yield superiority over the BVC, the yield superiority ranged from 5.0% to 29.0%. None of the entries exhibited the required Zn content (≥ 24 ppm) or Fe content (≥ 10 ppm).

IVT–Biofort:

Based on the yield advantage of 5% over the BVC (>100 DAF) or 5% over IR 64 (≤ 100 DAF) and also exhibiting ≥ 24 ppm Zinc content (or) ≥ 10 ppm Iron content (or) $\geq 10\%$ protein content none of the entries have been promoted to AVT 1–Biofort. IIRR Annual Progress Report 2020 Volume I - Varietal Improvement xi

Note: The following entries will be repeated as they had ≥ 24 ppm Zinc content though they did not exhibit yield superiority:

- Zone III: IET 29458, IET 29460, IET 29469, IET 29482 and IET 29484
- Zone VI: IET 29465, IET 29482 and IET 29484
- Zone VII: IET 29482 and IET 29484
- Overall: IET 29482 and IET 29484

AROMATIC SHORT GRAIN TRIALS

In IVT-ASG, 11 test entries and 5 checks were evaluated across 26 locations. Out of 11 test entries two entries are in second year of testing and remaining nine entries are in first year of testing. In Zone III IETs 29390, 29389, 29385 and 28571 showed required yield advantage. Similarly, in Zone V IETs 29390, 29386 and 29389, in Zone VII IET 29392 and IET 28563 had sufficient yield gain over best varietal check. On over all basis IETs 29390, 29389, 29385, 28563 and 28571 had adequate yield efficiency compared to best varietal check. Due to quality parameters and absence of aroma none of the entries were not qualified for



next level of testing except IET 29392. IET 29392 will be repeated in next season, as the quality analysis data is not available due to lack of seed material for quality analysis.

Overall mean yield ranged from 3167 kg/ha (IET 29388) to 4674 kg/ha (IET 29390); days to 50% flowering ranged from 87 days (IET 29390) to 101 days (IET 29392); plant height varied from 77.62 cm (IET 29388) to 107.05 cm (Ketkijoha) and number of panicles/m² ranged from 262 (IET 29390) to 329 (IET 29387). The data pertaining to yield, flowering, plant height, panicles/m² and quality were presented in tables 3.2, 3.3, 3.4, 3.5 and 3.6. Among the yield checks, Local check is the top yielder (4015 kg/ha) followed by National check (3965 kg/ha) and Zonal check (3717 Kg/ha), while the yields of quality checks i.e Dubraj (3509 kg/ha) and Ketekijoha (3486 kg/ha). On overall mean basis of five entries namely IET's 29390, 28563, 29389, 28571 and 29385 recorded required yield superiority over best varietal check (local check).

Performance of the promising entries in IVT-ASG in Zone III (Eastern)

Rank	IET No/ Designation Cross combination	GY/ DFP/ GT	Yield adv. % over BC	Performance across the states		Remarks
				State Rank	% BVC	
1	IET 29390 R1656-2151-14121 (Swarna/Jirashankar)	5282 84 SB	43	OD-1 BI-2	36 6	Aroma absent (D)
2	IET 29389 NVS -409 (IET 19347 / Pusa- 834)	4269 88 MS	16	OD -3	8	Low HRR: 51.7% Aroma absent (D)
3	IET 28571 Kudrat-5 (Improved Paddy variety)	4121 87 MS	12	OD -4	7	Low HRR: 50.3% Aroma absent (D)
4	IET 29385 NVS - 408 (IET 19347 / Pusa Bas-1)	4070 85 MS	11	OD-2	9	Low HRR: 51.4% Aroma absent (D)
5	National check (NC)	3682 92				
6	Zonal Check (ZC)	3347 85				
7	Local Check (LC)	3385 95				
8	Dubraj (QC1)	3684 85				
9	Ketkijoha (QC2)	2942 95				

In Zone III a total of 11 entries are evaluated. Among the entries IET 29390 recorded maximum grain yield of 5282 kg/ha (Days to 50% flowering 84) with an yield increment of 43 percent, followed by entry IET 29389 recorded grain yield of 4269 kg/ha (Days to 50% flowering 88) with yield improvement of 16%, the entry IET 28571 recorded grain yield of 4121 kg/ha (Days to 50% flowering 87) with a yield gain of 12% and the entry IET 29385 recorded grain yield of 4070 kg/ha (Days to 50% flowering 85) with yield improvement of 11% respectively over the best check QC (Dubraj) 3684 kg/ha.. None of the entries possess aroma, hence do not qualify for next level of testing.





Deep Water Rice

- Variety in pipeline: The DWR (deep water rice) entry NDGR 706 (IET 26741) a derivative of cross (Pankaj x Jalnidhi) and entry NDGR 709 (IET 28319) a derivative of cross (NDGR207 x IR49906-B-B-B-10-GHT-2) developed by the centre has been found most promising. The entries are in third year of testing in AICRIP deep water experiment in kharif 2021 to confirm the results and its wider adoptability.
- Entries under testing in National Trials: The most promising semi-deep water (50-100 cm water depth) entries NDGR- 1546 and NDGR-1547 have been included as new nomination during the year 2021 in Initial variety trial-semi deep water for testing its stability and adoptability parameters at National Level.
- Entries under testing in State Level Trials: The entry no. NDGR-711 was found promising in state level trial during kharif 2020 and in second year of testing in 2021. The NDGR-1546 and NDGR-1547 are new nomination in Regional Agricultural Testing and Demonstration Scheme (RATDS) and State Level Trial for confirming the results of yield parameters at various region of state, U.P.
- Handling of Breeding materials and selections from crosses: Altogether 21 single plant selections (SPS) from F8 and 30 SPS from F7 populations from various back crosses of sub -1 genes have been made during year under report.
- Enhancement of germplasm: 08 land races belongs to semi-deep water ecology have been collected from the basins of Ghaghra River from Bahraich Distt. during previous year. These locally adopted genotypes have been purified and characterized during the year under report.
- Nucleus seed production: Approximately, one quintal nucleus seed of newly released variety of NDGR 201 has been produced and procured for seed production during coming season.

LOCATION SPECIFIC PRODUCTION TECHNOLOGY

1. Irrigation Water Management

-  Improved Water Management practice; 7cm water in each irrigation at 1-4 days after disappearance of ponded water through check basin (10x10m) has been found high yielding with rice yield of 51.11, 48.71 and 47.80 q/ha at head, middle and tail end of Awampur distributory respectively which was about 23.10 – 24.64% higher in comparison to farmers practice (10-12cm water in each irrigation by flooding/field to field irrigation) and also saved about 33.68% irrigation water. The improved water management practice also observed the higher value of WEE in the range of 63.37 to 74.17 kg/ha.cm in comparison to farmers practice. 
- Improved Water Management practice; 6cm water per irrigation at critical stages (CRI, Late jointing and milking) of wheat in check basin (5x10m) resulted higher wheat yield of 42.42, 41.13 and 40.44



q/ha at head, middle and tail end of Awanpur distributory respectively which was 22.67-24.99% higher than that of wheat yield obtained under farmers practice (8-10cm water through field to field flooding method of irrigation). Similarly, the improved irrigation practice of water management observed the higher value of WEE in the range of 124.43 to 130.50 kg/ha.cm which was 67.94 – 71.10% higher than that of WEE worked out under farmers practice.

- Diversification of crops during rabi crop season under poor availability of canal water has been found more productive and remunerative and intercropping of gram with mustard (4:1) has been found to be best as it gave the highest equivalent wheat yield of 49.62 q/ha followed by sole gram crop and



intercropping of lentil with mustard (4:1) in which the equivalent wheat yield was 44.50 and 42.39 q/ha respectively. The intercropping of mustard



with gram also accrued the maximum net profit of Rs. 73511.00 per hectare with highest benefit cost ratio of 4.34.

- Rainwater harvesting and its multiple use through rice based diversified integrated farming system with and pisciculture accrued the net return of Rs. 161985.00 per hectare per year in comparison to



conventional farmer's practice rice-wheat + rai which accrued the net return of Rs. 98052.00 per hectare per year. Thus, the integrated farming system with pisci-culture was found more productive with 3.63 benefit cost ratio than that of conventional rice-wheat + Rai cropping system in which the benefit cost ratio was 2.51 only.





- The turmeric crop grown in the alleys of Aonla as alternate land use system under different drip irrigation fertigation systems observed that the fertilizer doses (100% and 75% of RDF) did not effect the yield of turmeric under drip irrigation treatments. Drip irrigation @ 80% PE with 100% RDF recorded the highest yield of turmeric 158.00 q/ha with WUE 20.68 kg/ha.mm.
- Effect of moisture regimes and weed management in drum seeded rice showed that the moisture regimes 6cm at 1 DADPW harvested significantly higher rice yield 45.47 q/ha with WEE 5.55 kg/ha.mm being at par with moisture regime 6cm at 4 DADPW which recorded the rice yield of 43.45 q/ha with WEE 5.72 kg/ha.mm. Weed management practice, two hand weeding resulted higher rice yield 48.03 q/ha with WEE 6.36 kg/ha.mm being at par with chemical weeding (Bispyribac sodium 10% SC @ 200ml ha⁻¹ post emergence) which gave the rice yield of 46.73 q/ha with WEE 6.18 kg/ha.mm.
- Effect of irrigation scheduling and in-situ residue management of combine harvested rice in rice-wheat cropping system revealed that the wheat crop sown with happy seeder resulted the significantly higher yield 44.70 q/ha with highest WUE 12.96 kg/ha.mm being at par with wheat crop sown after residue incorporation. The irrigation schedule I3 (5 irrigations at CRI, tillering, LJ, milking and dough stage) recorded the significantly higher yield of wheat 45.08 q/ha with WUE 11.13 kg/ha.mm being at par with irrigation schedule I2 (4 irrigations, at CRI, tillering, LJ and milking stage) in which yield was 42.62 q/ha.



2. Dry land Agriculture

- For maximum yield and profit in pigeon pea based cropping system, 75% RDF + FYM @ 5 t/ha + sulphur @ 40 kg/ ha + Zinc sulphate @ 25 kg/ ha + 1.5 kg boron/ha should apply in the pigeon pea crop under rain-fed condition.
- Application of FYM @ 6 t ha⁻¹ + ZnSO₄ @ 25 kg ha⁻¹ + FeSO₄ @ 10 kg ha⁻¹ along with 75% RDN is most suitable for rain-fed Maize.
- In Pigeon pea + black gram intercropping system, seed inoculation with PSB and Rhizobium culture and addition of FYM @ 3 t/ha and harit vardan bio-fertilizer along with RDF proved more economic and higher productive of pigeon pea and Black gram under rain-fed condition.
- Application of RDF (Pigeon pea & Black gram 20:40:0 & 80:40:40 kg/ha) N:P:K along with FYM @ 3 t/ha and seed treatment by Bio-fertilizers (Rhizobium + PSB) in pigeon pea based intercropping system viz. pigeon pea (NDA-1) + Maize (MM-1107) and Pigeon pea + Black gram (NDU-1) in 1:1 row ratio are more productive, make use of rainfall and length of growing season effectively and provide insurance against crop failure
- Application of 50 kg DAP/ha as basal+ 50 kg DAP/ha as foliar in 2 splits at 45 and 60 DAS + seed inoculation with PSB was found most effective in increasing the yield of chickpea under rain-fed condition.
- Higher yield of paddy was obtained with the application of '100% RDF + 2 foliar spray of 10 kg



ZnSO₄ ha⁻¹ + 5 kg FeSO₄ ha⁻¹ + 10 kg Borax ha⁻¹ + 10 kg Sulphur ha⁻¹ under rain-fed condition.

- Application of Pretilachlor @ 750 g/ha (PE 0-3 DAS) followed by Bispyribac sodium @ 25g/ha a.i. at 25 DAS proved more effective for controlling the weeds and enhancing the production in direct seeded rice under rain-fed condition.
- Pre-emergence application of Pendimethalin + 1 hand weeding at 30 DAS is more effective to control the weeds in pigeon-pea under rain-fed condition.



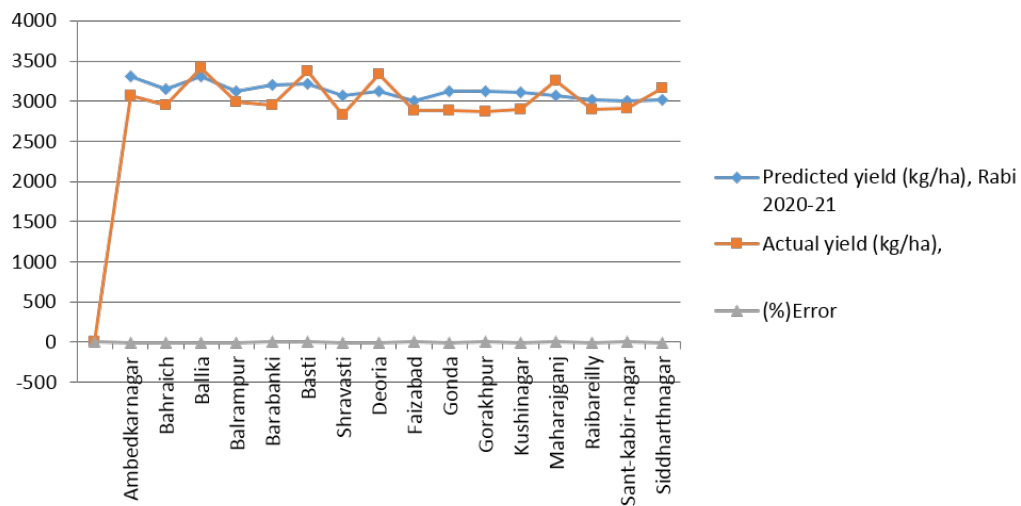


AICRPDA Experiments visited by progressive farmers of eastern UP – by Agriculture department of U. P. Government

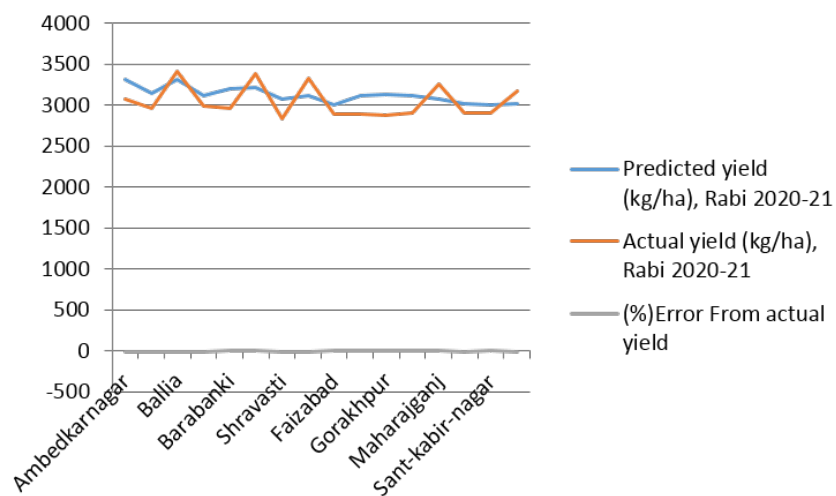
3. Agro-meteorology :

Accuracy of Rice & Wheat yield has given in following tables :-

Accuracy of rice yield forecast, during Kharif, 2020.



Accuracy of wheat yield forecast during Rabi 2020-21`





Underground Water Irrigation Facility



Water being a precious component in crop production, It is always emphasized to use it judiciously. In order to avoid wastage of water in surface method of irrigation, Underground irrigation system has been installed and made functional at various research Farms of the University such as the Agronomy Farm, newly developed NSP-6 and Wheat-

Barley research Farm, Experimental station , Masodha-Unit-1 and Unit-2.



ORGANIC FARMING UNIT



Organic farming at Agronomy Research Farm was started during Kharif Season of 2021 which Comprised of different organic components such as Press Mud, Vermicompost, FYM, NADEP Compost, Jeevamrit , Poultry Manure, Sewage and sludge and Neem Cakes in the total area of 3.2 ha (total 8 plots having 4000 m2 area per plot)

The main objective behind establishment of this organic farming unit was to increase the organic carbon content in soils to

minimise use of chemical fertilizers, pesticides and other toxic bio chemicals. By using organic components in the form of bioinputs such as biofertilizer and biopesticides along with natural sources of elements in the form of FYM, agrosidue wastes etc., all the essential nutrients are made available to the plants along with ensuring less infestation of insect pests and diseases. Hence, complete avoidance of agrochemicals, pesticides and insecticides have led to improvement in soil biological traits leading to better soil health and improved yields of agricultural produce, free from harmful chemicals and rich in multiple nutrients with good aroma and taste.



ORGANIC FARMING BLOCK

Organic Block	:	
Total No. of plots	:	9
Plot size	:	4000 m2
Pond (One)	:	Water harvesting purpose
	:	Fish Production
Organic Components:		Press mud
		Vermi compost



F.Y.M.
NADEP Compost
Poultry manure
Sewage and sludge
Neem cake
Comparison with

Inorganic :
: 125% RDN
: 100% RDN
: 75% RDN

Control (without use of fertilizer)

PROPOSAL SUBMITTED FOR RECOMMENDATIONS

BAEL

Out of 12 germplasm (ND/AH-8, ND/AH-9, ND/AH-10, ND/AH-11, ND/AH-12, ND/AH-16, ND/AH-17, ND/AH-21, ND/AH-22, ND/AH-25, ND/AH-26, ND/AH-27) of bael were evaluated. On the basis of pooled over 5 years data, the maximum yield was recorded in genotype ND/AH-10 (212.85 q/ha) followed by ND/AH-17 (211.38 q/ha), ND/AH-16 (203.53 q/ha) and ND/AH-8 (148.57 q/ha) along with better quality parameters. Hence it may be concluded that all 4 genotypes recommended for commercial cultivation.

AONLA

On the basis of pooled over 5 years data of aonla germplasm, the maximum yield was recorded in genotype NA-26 (86.67 q/ha) followed by NA-25 (54.17 q/ha) and NA-27 (38.45 q/ha) along with better quality parameters. Hence it may be concluded that all 3 genotypes recommended for commercial cultivation.

EPIDEMIOLOGICAL STUDIES ON AONLA RUST:

Based on last 16 years pooled (2004-2020) data on the on epidemiological studies of aonla rust, it is concluded that the initiation of rust disease in aonla took place during 36th (3 September to 9 September) or 37th (10 September to 16 September) standard meteorological week and temperature (maximum and minimum) and relative humidity of evening hours showed negative and highly significant correlation with disease severity while positively correlated with relative humidity and sunshine hrs. Regression study indicated that 99% impact of weather parameters taken in to consideration for present study. The incremental disease in the incidence of the rust showed linear pattern from September to January of each year with its peak in the month of December. Meteorological parameters observed favorable for the disease initiation and further development were : Temperature (min.) 26.41oC, Temperature (max.) 33.0oC, Relative Humidity (Mor.) 87.01%, Relative Humidity (Eve.) 69.81%, Rainfall (mm) 30.50, Sun Shine hrs./day 5.94 found favorable for the initiation of the disease.



4. SUCCESS STORIES OF TECHNOLOGY DISSEMINATION

RIFS FARMER AWARDED FIRST PRIZE IN PULSE & OILSEED PRODUCTION IN DISTRICT AYODHYA

On the occasion of 75th anniversary of Independence day on 15th August, 2021, which was celebrated as the first day of an year long celebration of Azadi ka Amrit Mahotsav, presided over under the chairmanship of Hon'ble Vice Chancellor of the University and in the presence of the chief guest Shri Baba Gorakh Nath Ji MLA (Milikipur), **the best pulse and oilseed producer farmers award** was conferred to a progressive farmer, Mr. Uma Nath Shukla, a resident of village- Bansaon, Block-Amaniganj Dist.-Ayodhya (U.P.). by the Ayodhya District Administration. Acharya Narendra Deva University of Agriculture and Technology is implementing a Rainfed Integrated Farming System of AICRP for Dryland Agriculture in this village- Bansaon and Mr. Uma Nath Shukla is associated as the village representative in this program for field trials of crops under Integrated Farming System Initiative



Best oilseeds & Pulses producer Award given to Sri Uma Nath Shukla Ji (RIFS Farmer) on the occasion of 75th anniversary of Independence day, (Azadi ka Amrit Mahotsav) Awarded by Hon'ble Vice Chancellor & Shri Baba Gorakh Nath Ji (MLA-Milkipur, Ayodhya) on 15th August 2021.

In the *Kharif* season 2020 the improved variety of paddy NDR 2065 was provided to this farmer by the university and sown on 28th June 2020 through direct seeding. The technologies developed by the university were applied with proper agronomic practices along with balanced nutrient management & *in-situ* and *ex-situ* rain water management resulting in a Paddy yield of 60 quintals/ha, which was highly appreciable under partially irrigated conditions. It is to mention that the rainfall during the Kharif crop season was received around 1178.10 mm and annual rainfall about 1193.10 mm was received which was 191.4 mm higher than normal annual rainfall (1001.7 mm). The total cost of cultivation incurred under paddy cultivation was Rs. 41000/ha with a total income of Rs.112500/ha resulting into a net profit of Rs. 71000/ha. After harvesting of paddy, the sowing of chickpea variety “Pusa 362” was sown in the 3rd week of October, in inter-cropping with coriander, Narendra Dhaniya 1 in a row ratio of 8:2. The seeds of chickpea were pretreated with *Rhizobium* culture and





PSB culture at the time of sowing. The seed yields for chickpea and coriander were recorded as 20 q/ha and 400 kg/ha respectively. The cost incurred for cultivation of chickpea was Rs. 33000/ha resulting into a net return of Rs. 87000/ha whereas the cost of cultivation in coriander was Rs. 10000/ha resulting in a net return of Rs. 30000/ha. The total net return from chickpea + coriander intercrop was Rs. 117000/ha.



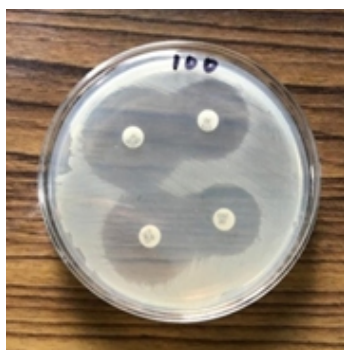
After harvesting of paddy, improved variety of mustard “Narendra Rai 8501” was sown with balanced nutrient management (80N:40P:30K:30S kg/ha) with recommended agronomic practices. The seed yield of mustard was recorded as 2050 Kg/ha. The total cost of cultivation under mustard was Rs. 20400/ha whereas the total income generated was Rs. 123000/ha resulting in a net profit of Rs. 98000/ha.

This technology will facilitate logarithmic increase in income of the farmers and goes very well with the Govt.'s initiative of doubling farmers income as proposed by Hon'ble Prime Minister in his last Independence day speech.

CHICKPEA {PUSA362} + CORIANDER {NARENDRA DHANIYA1} (8:2)

OTHER RESEARCH INITIATIVES

- To address the problem of drug resistance, the university has been conducting research on establishing database of **antimicrobial resistance pattern of Eastern Uttar Pradesh** especially Methicillin resistance *Staphylococcus aureus*, Extended spectrum β -lactamase and Carbapenemase producing Enterobacteria which are the priority agents as per WHO.



Identification of ESBL bacteria



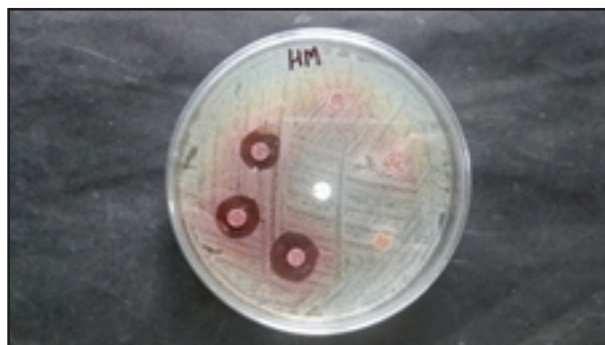
MIC Determination by E strip

- College is also working on establishing the prevalence of major animal parasites and following prevalence of has been recorded in Ayodhya district.

Animals	Parasites	Incidence
Bovines	Theileriosis	23.65%
	Trypanosomosis	2.63%
	Amphistomosis	10%
Sheep and Goat	Haemonchosis	54.0%
	Amphistomosis	10%
Equines	<i>Theileria equi</i>	14.0%
	Microfilariae	6.25%



- Research is being carried to develop **Non-antibiotic phytogetic feed additive** in poultry farming.
- Incidence of common diseases causing mortality in poultry in Eastern Uttar Pradesh has been studied to **establish the package of practices** to be followed for profitable poultry farming.
- The college has been promoting the research on locally abundant medicinal plants and their products namely Aonla, Moringa, Neem, Guava etc. against common parasitic diseases and mastitis. *In vitro* efficacy of these plants is being established against common pathogens of mastitis. In addition the efficacy of different essential oils has also been adjudged against common mastitid causing isolates a step towards developing an indigenous udder health kit.



In vitro efficacy of *Moringa oleifera* against *S. aureus*

Technology : Milk and Milk Product Processing

(A Profitable and Employable Business)

Description:

Farmer Name : DhruvanarayanChowdhary

Address : Village & Po. -Bedipur, Bikaskhand-Parshurampur, Basti, Uttar Pradesh

Mob. No. - 991861697, Aadhar No.-380853418908

Age: 46 years

Qualification: Graduate

Total land: 1.0 ha

Former condition: He has traditionally cultivated paddy, wheat, pulses and oilseeds for the last 15 years. sugarcane field



Gaushala



Farmer honored by Hon'ble VC



Pasteurization Plant



Technology : Button Mushroom Production

(A Profitable and Employable Business)

Farmer Name: Mrs. Krishnavati

Address: Gram Nagpur (Hasinabad), Post Itwakunangai Block-Harraya, Basti

Age: 48 years

Qualification: Fifth

EAST STATUS: Mrs. Krishnavati is an extremely poor and landless woman farmer. Her family has seven members. Despite being a widow woman, she has been fighting the challenges of life. She started the production of Mushroom from a shed of 50 x 20 sq. ft. using local materials like bamboo, wheat and paddy straw.

Impact: Status of entrepreneur before and after technical cooperation of Krishi Vigyan Kendra Details:



Mushroom packaging for market



Farmer honored by Hon'ble Governer

Status before the intervention of the Center

- 01 Shed
- 0.20 acres
- Income Rs.72000.00/Per Year
- Kachcha houses

Status after the intervention of the Center

- 06 Shed
- 0.50 acres
- Income Rs.550000/Per Year
- Pucca houses

Spread of technology in the district:

Influenced by the unit of Mrs. Krishnavati in the district, 1510 rural youth, agricultural women are engaged in button-mushroom production in 4 to 6 sheds in 314 families of 14 blocks of the district.

Awards and Recognition:

Honorable Governor Madam, Uttar Pradesh gave award to this farmer for her excellent work in the field of Mushroom production.



Farmer honored by Hon'ble VC



5. PROJECTS OPERATIONAL AT THE UNIVERSITY

Sl. No.	Name of Projects	No. of Projects
1-	ICAR- All India Co -ordinated Research Projects (75% ICAR share and 25% State share)	19
2-	ICAR- All India Co -ordinated Research Projects (100% ICAR Funded)	02
3-	Internationally Funded Projects	02
4-	Central Govt. Funded Projects	07
5-	State Govt. Funded Projects	04
6-	Centre for Excellence in Rice (U.P. Govt. Funded)	01
7-	State Govt. Funded Projects (Under Non Plan)	18
8-	Projects Funded under Rashtriya Krishi Vikas Yojana, Govt. of India	17
Total Number of Externally Funded Projects		70

Projects functional during year 2020-21

S. No.	Title of Project	Budget Allocation (Rs. Lac)	Year of Sanction
1.	Conservation, propagation and genetic improvement of Sahiwal cattle in Eastern U P	77.87	2014 □ 2015
Total		77.87	
1.	Frozen semen bank for indigenous livestock	181.00	2018 □ 2019
2.	Strengthening of veterinary clinical complex	496.40	2018 □ 2019
3.	Strengthening of 07 KVKs under NDUAT	2000.00	2018 □ 2019
4.	Establishment of feed analysis and quality control laboratory	290.00	2018 □ 2019
Total		2967.40	
1.	Production of elite germplasm through embryo transfer technology in bovine	332.30	2019 □ 2020
2.	Strengthening of seed production farm	220.00	2019 □ 2020
3.	Enhancement of livelihood of Tharu community through backyard poultry and goat husbandry	200.00	2019 □ 2020
Total		752.30	
1.	Strengthening of 07 KVKs of ANDUAT, Ayodhya	2029.74	2020 □ 2021
2.	Strengthening of parasitological laboratory with advance diagnostic facilities for detection of parasitic diseases	92.77	2020 □ 2021
3.	Establishment of agriculture technology park	472.00	2020 □ 2021
4.	Ergonomic laboratory for ergonomic risk analysis and reducing health hazards of farm women.	40.35	2020 □ 2021
5.	Collection, identification and distribution of relatively high iron and zinc containing genotypes among farmers for fulfillment of nutritional requirement of rice eating poor consumers.	22.99905	2020 □ 2021
6.	Establishment of centre for training, research and production of biofertilizer & biopesticide formulation for the benefit of farmers in Eastern U. P.	287.95	2020 □ 2021
Total		2945.80905	



Projects sanctioned in year 2021

S. No.	Title of Project	Amount (Rs. Lac)
1.	Strengthening of 03 KVKs of ANDUAT	569.50
2.	Strengthening of Main Experiment station of vegetable science for vegetable seed production to disseminate the technology towards doubling farmers' income	500.00
3.	Establishment of tissue culture laboratory for micro-propagation of banana for increasing the income of farmers	262.75
4.	Establishment of hydroponic system under open field conditions for farmers and entrepreneurs in Eastern Uttar Pradesh	116.45
5.	Establishment of solar park and solar tree for promoting farmers / small entrepreneurs	400.00
6.	Development of different crop residue management practices	320.00
7.	Establishment of Hi-Tech Floriculture Centre for Strengthening of Research and Development of Entrepreneurship Model	220.27
8.	Establishment of seed processing units for enhancement of productivity, quality and seed replacement for doubling income of farmers of U.P.	460.17
9.	Technology Demonstration cum Research Dragon Fruits, Grapes and Citrus for Farmers	21.00
10.	Strengthening of 7 KVK's in ANDUAT Ayodhya	979.33
11.	Demonstration of drip irrigation/ fertigation under diversified cropping	36.20
12.	Renovation and establishment of New Polycarbonate Green House and Net House for Nursery production and cultivation of horticultural crops	72.25
13.	Mechanization of fodder farm based on agriculture implements and establishment of silage making machine for proper utilization of farm waste	111.50
14.	Genetic enhancement for terminal heat tolerance in bread wheat (<i>Triticum aestivum</i> L.) with conventional and molecular breeding approaches (UPCAR)	16.77
15.	Development of suitable model to harvest the optimum potential of fish production in sodic soil of Uttar Pradesh (UPCAR)	18.86
16.	Genetic Improvement of Kala Namak for productivity traits, biotic and abiotic stress tolerance, aroma and nutritional quality. (UPCAR)	14.40
Total		4069.42

List of RKVY projects sanctioned in year 2020-2021 waiting for budget release

Sl. No.	Title of the project	Amount (Rs. in Lakhs)
1	Strengthening of Krishi Gyan Kendra, Deoria	160.40
2	Establishment of milk processing plant	25.95
3	Drone: An alternative tool for pest surveillance and management in crops	20.00
4	Strengthening and modernization of instructional fish farm, College of Fisheries, A.N.D.U.A.T., Kumarganj, Ayodhya	337.80
5	Promotion of natural farming module among farming community of Eastern U.P.	7.00
Total		923.95



6. EXTENSION EDUCATION AND STRATEGIC EXTENSION

6.1 Farmer's Fare

Sr. No.	District	Kisan Mela				Goshti /awareness programme			
		No. of kisanmela	No. of Males	No. of Females	Total	No. of kisan Mela	No. of Males	No. of Females	Total
1.	Barabanki	1	350	150	500	15	1400	340	1740
2.	Azamgarh-I	2	425	198	623	04	300	103	403
3.	Mahrajganj	2	1005	195	1200	10	400	174	574
4.	Chandauli	3	1350	265	1615	14	650	261	911
5.	Jaunpur -I	2	1950	423	2373	05	790	110	900
6.	Siddharthnagar	2	1730	320	2050	10	1550	270	1820
7.	Bahraich-I	1	450	100	550	16	750	275	1025
	Total	13	7260	1651	8911	64	5840	1533	7373

A three-day farmers' fair and agricultural exhibition was organized in the university campus during 20 – 23 December 2020, in collaboration with the State Agriculture Department, Government of Uttar Pradesh. This kisan mela was inaugurated by the Yogi Aditya Nath ji Honrable, Chief Minister of Uttar Pradesh in gracious presence of Sri Surya Pratap Shahi Ji, Hon'ble Cabinet Minister of Agriculture, Agricultural Education and Agriculture Research, Government of Uttar Pradesh. More than ten thousand farmers' and farm women from different districts of eastern UP have participated in the Kisan Mela. During the Mela frontier technologies from various fields of agriculture were also presented. Technical session and Goshti was also conducted on all the three days where several queries and problems of farmers were addressed by scientific community.





6.2 Technology Transfer, Demonstration, Dissemination , FLD :

KVK, is an integral part of the National Agricultural Research System (NARS), aims at assessment of location specific technology modules in agriculture and allied enterprises, through technology assessment, refinement and demonstrations. KVKs have been functioning as Knowledge and Resource Centre of agricultural technology supporting initiatives of public, private and voluntary sector for improving the agricultural economy of the district and are linking the NARS with extension system and farmers.

The major sphere activities of KVKs includes, conducting problem oriented on farm trials (OFTs), front line demonstrations (FLDs) on oilseeds, pulses, cereals, vegetables, fruit crops and other enterprises and also imparting trainings to farming community, rural youths, school dropouts, extension functionaries and other stakeholders with organizing various extension activities and generating elite planting material. Under jurisdiction of University 25 KVKs are working at various agro- ecological situations of the Eastern Uttar Pradesh.

On Farm Testing

Keeping in view the local need of farmers and prevailing problems and practices of the areas 126 numbers of OFT (on farm trials) were conducted on 666 farmers' field by all KVKs and provide the recommendations after assessment and refinement of the technologies in participatory mode.

Technology Assessed	No. of Technology Assessed & Refined	No. of Trials	No. of Farmers
Crops	90	199	479
Livestock	14	28	87
Various enterprises	22	49	100
Grand Total	126	276	666

Front Line Demonstration on Oil Seed, pulses and Other Crops/Enterprises :

Front line demonstrations on frontier technologies have been done on large scale on:

- Newly released varieties of different crops
- SRI, Drum Seeding and DSR methods of rice establishment
- Use of bio fertilizers and bio pesticides
- Resource Conservation Technology
- Precision agriculture
- Integrated fish farming
- Clean milk production

In order to provide wider adoption, validation, refinement and demonstrations were carried out on farmer's field in different crops/ enterprises as per the above thrust areas of the KVKs. Among oilseeds 752 ha, pulses 1684.70 ha, Cereals 1007.5 ha, Farm implements 110.20, Hybrid crops 28.00 ha and others 50.87 ha areas were included under demonstrations of different crops comprising 10425 demonstrations including same number of beneficiaries. During the reporting year 438 demonstrations were conducted in Livestock and other enterprises (Mushroom Production, Value addition, Kitchen Garden, Drudgery reduction, Farm Machinery) sectors.



Enterprise	No. of Farmers	Area (ha)	Units/Animals
Oilseeds	2370	752	
Pulses	4556	1684.70	
Cereals	2282	1007.5	
Farm implements	430	110.20	
Other Crops (Vegetable, Fodder)	698	50.87	
Hybrid crops	88.0	28.0	
Total	10424	3633.27	
Livestock & Fisheries	207		442
Other enterprises (Mushroom Production, Value addition, Kitchen Garden, Drudgery reduction, Farm Machinery)	231		131
Total	438		573
Grand Total	10862	3633.27	573

Trainings

Mainly, KVKs are actively involved in four types of training programme viz. training for practicing farmers (on campus or off campus), rural youth, extension functionaries and organizing sponsored trainings at farm and outside the campus. During the reporting year **2727** number of trainings were imparted out of which 1957 trainings to practicing farmers, 343 rural youth trainings, 183 extension functionaries, 157 Vocational and 87 sponsored trainings were conducted including 68235 beneficiaries.

Clientele	No. of Courses	Male	Female	Total participants
Farmers & farm women	1957	36452	8649	45101
Rural youths	343	7605	2014	9619
Extension functionaries	183	4154	380	4534
Sponsored Training	87	4750	843	5593
Vocational Training	157	2769	619	3388
Total	2727	55730	12505	68235



6.3. Distance Learning of farmer's :

Particulars	Number
Electronic Media (CD./DVD)	77
Extension Literature	18683
News paper coverage	1213
Popular articles	245
Radio Talks/programmes	122
TV Talks/show	137
Animal health camps (Number of animals treated)	764
News Letter (Quartly)	4
Training manual	65
Book chapter	18
Research paper	5
Technical reports	36
Technical bulletins	3
Seminar papers	26
Total	21285

6.4. Capacity building of farmer and women through KVK :

The Directorate of Extension is organizing refresher/training courses on the latest production technologies and management. These training programmes help the extension personnel by augmenting their knowledge and skill competencies to enable them to serve better their clients – the farmers. The Directorate of



Extension keeps on conducting short and medium term training programmes throughout the year Directorate of Extension has organised two programs for scientists / farm managers of the other farm science centers of Eastern UP of 2 days duration on **"Office Management and PFMS"** from 16-17 March, 2021, **"Recent Advances In Soil Analysis & Nutrient management"** from 18-19 March, 2021, **"Natural Farming"** from 20-21 march, 2021 & **"Animal Based Integrated Farming System"** from 22-23 March, 2021. In these trainings, one scientist/ farm manager from each KVK / farm science centers has participated. This training was funded by ICAR- ATARI Kanpur.

Human resource Training conducted by directorate of extension :

S.N.	Title	Clientele (KVKs)	Participants (No.)
1.	Office Management and PFMS	OS/Comp. Progg.	25
2.	Recent Advances In Soil Analysis & Nutrientmanagement	SMSs	25
3.	Natural Farming	SMSs	25
4.	Animal Based Integrated Farming System	SMSs	25

Workshop/ Meeting organized

S.No.	Details of workshop/meeting conducted	No. of Meetings	No. of participants
1.	Pre Zonal workshop revue meeting	01	23
2.	Mid Term Workshop	01	53
3.	Virtual Workshop of KVKs on technology Backstopping	01	32
4.	Letter Received/ Reply	26	26

6.5. Extension activity during COVID 19 :

- Total KVK under GKRA(Garib Kalyan RojgaarAbhiyaan) - 14
- Each KVK organised 18 training courses and each training has 35 migrant labour.
- Total courses 243 with 8505 trainees has been trained under GKRA.
- Total employed trainees 3630 (2065 as self employed and 1565 employed with others.)
- Employment percentage - 42.68%.

Training courses covered 17 subject such as :



Sr. No.	Topic	No. of Courses	Employed Trainees
1.	Mushroom Production	23	429
2.	Goat Production	26	394
3.	Poultry Production	21	286
4.	Dairy and Milk production	12	178
5.	Fish production	09	143
6.	IFS	23	288
7.	Fruits, vegetables processing and value addition	19	202
8.	Vegetable Production technique	19	271
9.	Nursery Prod. & Floriculture Technique	33	523
10.	Bee Keeping	23	286
11.	Vermi-composting	12	196
12.	Seed production Oil	04	73
13.	Seed production Pulses	05	70
14.	Seed Production cereals	07	168
15.	Organic Farming	04	48
16.	Sericulture	02	55
17.	Jaggery Production	01	20

Activities	No. of Programmes	No. of Participants
Advisory Services	2894	11996
Diagnostic visits	970	7059
Field Day	116	4981
Group discussions	146	5245
Kisan Gosthi	644	63227
Film Show	51	4157
Self -help groups	35	1217
Kisan Mela	179	89297
Exhibition	138	58971
Scientists' visit to farmers field	1458	14842
Plant/animal health camps	35	2321
Farm Science Club	9	171
Ex-trainees Sammelan	51	1354
Farmers' seminar/workshop	658	1959
Method Demonstrations	62	2226
Celebration of important days	131	13284
Special day celebration	76	5564
Exposure visits	47	2885
Others		
Total	7700	290756



6.6. Technology Park

Agriculture Technology Information Centre (ATIC)

Agricultural Technology Information Centre is a single window delivery system of the University from where the farmers can purchase the required inputs and get latest technology related to different aspects of agriculture. Various Scientists/Subject Matter Specialists of different constituent colleges also provided solution of farmers' problems at ATIC.

ATIC provides various technology products to the farming community in form of Book, Mini kit, Folder sold quality seed of frontier varieties Agriculture Diary.

S. No.	Technology Products Sold	No. /Quantity	Value (Rs.)
1.	Technical bulletin	1423	25811
2.	PoorvanchalKheti	12000	220000
3.	Agriculture Diary	3000	360000
4.	Paddy seed (Qt)	312	624000
5.	Wheat (Qt)	295	744875
	Total		1974686

Subject Matter Specialists of the Directorate as well as the faculty of various constituent Colleges provide advisory services to the masses. ATIC trained 2018 farmers of different districts of U.P., M.P and Bihar during their visit to the university campus. Apart from this thousands of farmers directly visited the different demonstration unit, training and visit farms of the university.

- 1). Two Solar Pumps has been installed in the technology park.
- 2). A fish Pond and a water recharge pond has been established.
- 3). Levelling of training and demonstrations fields.
- 4). RCC road work under progress.

6.7. Project under KVK :

Directorate of Extension has 25 Krishi Vigyan Kendras and four Krishi Gyan Kendras in different districts of eastern Uttar Pradesh. These centres operated different projects like District Agro-meteorological Units (DAMU), Crop Residue Management (CRM), Garib Kalyan Rojgaar Abhiyaan (GKRY), National Initiative On Climate Resilient Agriculture (NICRA), Cereal System Initiative For South Asia (CSISA), Tribal Sub-plan (TSP), Nutri-Sensitive Agricultural Resources & Innovations (NARI), Attracting & Retaining Youth In Agriculture (ARYA), Rashtriya Krishi Vikas Yojana (RKVY), Doubling Farmer's Income (DFI), Knowledge Systems & Homestead Agriculture Management In Tribal Areas (KSHMTA) etc. Major aim of our centre is to reduce cost of production with high quality production and increased farmer's income.



Foundation stone laying of KVK/Farm Science Centre at Barasin, Sultanpur II

KVK Barasin, Sultanpur II was the twenty second KVK of Acharya Narendra Dev Agricultural and Technological University, Kumarganj Ayodhya. The foundation stone and Bhoomi Poojan programme was conducted on 03rd October, 2020, by Sri Surya Pratap Sahi Ji, Hon'ble Cabinet Minister of Agriculture, Agricultural Education and Agriculture Research, Government of Uttar Pradesh in gracious presence of Smt. Maneka Sanjay Gandhi Ji, Honorable Member of Parliament of district Sultanpur.



Agricultural University got 25th Farm Science Center at Agamgarh

The Government of Uttar Pradesh, was agreed in the cabinet meeting to provide 8.46 hectares of land to establish another KVK at Gram Sabha Ladaura in the district Azamgarh, which will soon be operational.

MoU Signed with Madan Mohan Malaviya University of Technology, Gorakhpur

Acharya Narendra Dev University of Agricultural and Technology, Kumarganj, Ayodhya and Madan Mohan Malviya University of Technology, Gorakhpur have signed a two-party agreement to work together in the eastern Uttar Pradesh in the field of expansion and spread of smart farming technology. Under this agreement, this University and University of Technology Gorakhpur will promote technical use of drones and sensor equipped devices on agricultural fields.

Accolades won by University KVK

- KVK amethi and KVK Bahraich were awarded by Director, ATARI , Kanpur at 28 Zonal Annual workshop for Best Work in the district.
- KVK Chandauli was awarded by Director, ATARI , Kanpur at 28 Zonal Annual workshop for Excellent Execution of SCSP Project.
- KVK Balrampur, Awarded by Director, ATARI , Kanpur at 28 Zonal Annual workshop for Excellent execution of TSP Project I.
- The Acharya Narendra Dev University of Agriculture & Technology's stall has received the **Best Stall Award** in the Regional Kisan Mela-2021 organised by Banda university of Agriculture and Technology, UP.



KVK Bahraich-1 Awarded by Director, ATARI, Kanpur at 28 Zonal Annual workshop for Best Work in the district.



KVK Amethi Awarded by Director, ATARI, Kanpur at 28 Zonal Annual workshop for Best Work in the district



KVK Chandauli Awarded by Director, ATARI, Kanpur at 28 Zonal Annual workshop for Excellent Execution of SCSP Project



KVK Balrampur, Awarded by Director, ATARI, Kanpur at 28 Zonal Annual workshop for Excellent execution of TSP Project I the district

Acharya Narendra Dev University of Agriculture & Technology's stall has received the Best Stall Award in the Regional Kisan Mela-2021 organised by Banda university of Agriculture and Technology, UP.

Workshop on use of Agro-meterological tool for better weather forecasting

A workshop on use of Agro-meterological tool for better weather forecasting was organised at ANDUAT campus under chairmanship of **Hon'ble VC Dr. Bijendra Singh**, **Dr. Atar Singh** (Director ATARI Kanpur), **Dr. K.K. Singh** (Director, IMD, GoI), **Dr. J.P. Gupta** (Regional Director Weather Forecasting, Jaunpur) were special guests at the function.





List of Awardee farmers

Sr. No.	Name of Farmer	Village/Block/ District	Reason for Award	Name of the Institute/center which has given the award during Jan, 2020 to July, 2021
1	Sri VidhyaPati	Vill. Gaurahi, Robertsganj, Sonbhadra	Biotech Farmers Project के अर्न्तगत इनके द्वाराफसलप्रर्दन मेंकियेगयेउत्कृष्ट योगदान एव सर्मपण के लिए फामर्सफेलोि प एवार्ड	FARD Foundation ICAR-IIVR 30 January 2021
2	Sri BabuLalmaurya	Vill. Manpur, Robertsganj, Sonbhadra	एकीकृतबागवानीविकासमि ान योजनावर्ष 2020-21 मेंनवीनबागरोपणकार्यक्रममें 1.0 हे0 क्षेत्रफलमेंपपितारोपडु काकार्यकरायागयाहै।दिनांक 24 जनवरी 2021 कोउत्तरप्रदे ादिवस के अवसरपर	उद्यान एवं खाद्य प्रसंस्करणविभागउत्तरप्रदे ा
3	Smt. Shakuntala Maurya	Vill. Manpur, Robertsganj, Sonbhadra	प्रगतिशील कृशकसम्मानसमारोहप्रगतिशील कृशकमहिला के रूप मेंअमृतमहोत्सवअवार्ड	DDA, Sonbhadra on 15 August 2021
4	Sri Shiv Prakash Singh	Vill. Banjariya, Chatra, Sonbhadra	दिनांक 24 जनवरी 2021 कोउत्तरप्रदे ादिवस के अवसरपरकृशि के क्षेत्र में धानबीजउत्पादनकार्यक्रममेंवि ाष्टक ार्यकरने के उपलक्ष्य मेंप्र ास्ति-पत्र देकरसम्मानितकियागया।	Agriculture Department Uttar Pradesh
5.	Sh. NavneetVerma	Tejwapur, Block Trivediganj, Barabanki, UP	Best Farmer Award	ANDUAT, Kumarganj, Ayodhya
6.	Sh. Ashok Singh	Gotauna, Haidergarh, Barabanki, UP	Appreciation Award	ANDUAT, Kumarganj, Ayodhya
7.	Sh. AmrendraPratap Singh	Daulatpur, Barabanki	Appreciation Award	ICAR ATARI, Kanpur
8.	Sh. AmrendraPratap Singh	Daulatpur, Barabanki	Appreciation Award	KVK Haidergarh, Barabanki



Sr. No.	Name of Farmer	Village/Block/ District	Reason for Award	Name of the Institute/center which has given the award during Jan, 2020 to July, 2021
9.	Sh. NavneetVerma	Tejwapur, Block Trivediganj,	Appreciation Award	KVK Haidergarh, Barabanki
10.	Indrasen Singh	Distt. Village- Sohni, Block- Kerakat, District- Jaunpur	Integrated Farming	ANDUAT , Kumarganj, Ayodhya
11.	Sri Ram Singh Yadav	Vill&Post- Khandasha,Ay odhya	For Potato Cultivation	Chief Minister of Uttar Pradesh
12.	Sri Umanath Singh	Vill&Post- Basgaon,Kotde ah,Amaniganj	Pulse Production	Sri Lallu Singh MP,Ayodhya
13.	Sri Sobha Ram	Vill&Post- Magalshi, Sohawal	Vegetable Production	Sri Lallu Singh MP,Ayodhya
14.	Sri RajendraVerma	Vill&Post- Magalshi, Sohawal	Organic Farming	Government of UP.



7. SOCIAL INITIATIVES

7.1. Farm Advisory Services

- Farmer Awareness Programme was held on 27th February, 2020 at Vill. Kotdeeh, Bansgaon, Block-Amaniganj Distt. Ayodhya (U.P.) conducted under Gramin Krishi Mausam Sewa Project.



7.2 Food Distribution Programmes

- (a) Food Distribution to School Children:** Distribution of Nutritious Food Packets prepared by Department of Food Science & Nutrition to School Children by Hon' able Governor of Uttar Pradesh **Her Excellency Smt. Anandi Ben Patel**. in 22nd convocation held on 12.03.2021.



- (b) Food Distribution for T.B. Patients:** Regular Nutritious Food Distribution for **T.B. Patients** at **Community Health Centre**, Milkipur is organized on regular basis by the Department of Food Science & Nutrition and University Hospital as per the following details-



S.No.	Dates	No. of Patients
1	4.1.2021	18
2.	25.1.2021	19
3.	19.2.2021	18
4.	25.2.2021	18
5.	24.3.2021	19
6.	11.6.2021	20
7.	30.6.2021	20
8.	29.7.2021	20
9.	26.8.2021	20



**Preparing Nutritious Food for T.B. Patients
Food Distribution to T.B. Patients at CHC, Milkipur**

7.3 Skill Development Programmes

Inauguration of Women Study Centre- 14 July 2021:



Newly elected Mahila Pradhans were invited and Sahjan plants were presented as a gift to promote family health

Skill development for Women Empowerment- 5-6 Mar 2021



Mission Shakti Programme – 4 Mar 2021: Women are the symbol of strength and they are sacred. U.P. CM. Hon'ble Shree Yogi Aditya Nath jee launched the 'Mission Shakti' Programme on October 17,2020 to ensure safety of women in the state .In this series College of Community Science organized a lecture by Dr. D.K. Yadav Deputy S.P. UP. Police on the topic 'Women Safety and Security'.



7.4 Trainings and Demonstrations

Two days Training on Handicraft for Women Empowerment : It was organized on March 5 & 6, 2021 for rural women and youth by the Department of Human Development and Family Studies. The women were trained in handicraft .



Mission Mask Making 17 March 2020: 15 women participated in mask making. Total 2500 triple layer cotton masks were prepared.



Mahila Kisan Divas Awareness Programme- 15 Oct 2020:



Trainings and Demonstrations to rural women on the occasion of **Mahila Kisan Divas -2020** held on October 15, 2020. Demonstrations were given on Recipes from '*Sahjan*', preparation of weaning foods and rangoli competition were organize.

Accupressure and Color Therapy Programme- 12 Jan 2021: Accupressure can benefit headache, neck pain, backache, sciatica pain etc and colour therapy can be used for treating illness and disorders, alliviting pain, addressing emotional and mental condition and generally maintaining good health. For the well being and health of students, university faculty and staff an awareness programme was organized by college of community science in which Dr. Namita srivastava gave lead lacture.





Kisan Gosthi cum fish farmer's training programme

On 10th July, 2021 (National Fish Farmers Day) one day Kisan Gosthi cum training programme was organized on 19th July, 2021. After inaugural address by Hon'ble Vice Chancellor sir, Dr. Bijendra Singh ji, knowledge on different schemes of state and Central Government, fisheries business model, fish seed production techniques were provided through online presentations in hindi language. The programme was sponsored by Virbac



A view of Kisan Gosthi cum training programme and fish seed river ranching programme on 10th July, 2021, On the Occasion of “National Fish Farmers Day”

Fish seed river ranching programme

On 10th July, 2021 itself 5000 fingerlings of Indian Major Carps fishes were released in River Gomti, all the staff members from College of Fisheries participated in this river ranching programme under the guidance of Hon'ble Vice- Chancellor, Dr. Bijendra Singh ji.



A view of National Friendship Day Programme in Village Gadoli, Milkipur

National Friendship Day Program

On the occasion of National Friendship Day, 1st August, 2021 an awareness programme was organized in village Gadoli, Tehsil Milkipur. More than 60 villagers inclusive of women and men participated in the programme. The interaction and awareness were centered on women education, cleanliness, family welfare, children's education and ways to increase the source of income.

Covid 19 Awareness programme

Awareness programme among the farm workers, security personal were organized on 5th of August , 2021 . They were suggested the preventive measures necessary against COVID-19. All the farm workers were provided mask at the occasion.





8. INFRASTRUCTURAL REFORMS

8.1 Strengthening Of Lecture Rooms And Laboratories

The university upgraded its lecture theatres with latest audio-visual aids to ensure efficient learning to the students and has also build up a Zoom room for connecting to the world through various online portals. In addition, each department has laboratory set up with latest equipments and facilities to provide practical in hand training to the students. **This session again witnessed an up liftment in the research facilities as many new sophisticated instruments were installed in the laboratories.**

➤ Laboratories/ Units Established



Ultrasonography Unit



Small Animal Operation Theatre



Digital Radiography Unit



Strengthening of Diagnostic Laboratory



Automatic titration unit



Crude Protein Digestion and Distillation unit



Near Infrared Spectrophotometer



- Development of **integrated farming model named NSP–VI emphasizing on organic farming.**

The college of Veterinary Science and Animal Husbandry also developed a one of its own kind **new integrated farming model named NSP–VI emphasizing on organic farming that brought laurels to the college from all the visiting dignitaries** by reclamation of 6.1 hectare wasteland (userbhumi) for fodder cultivation, fish farming and horticulture crops and planning to develop goat farm.

Experimental units :

24 ponds (08m x 08 m x1.5 m dimension) have been constructed at fish farm so that research trials can also be conducted in the sodic soil field conditions. Four paddy cum vegetable cum fish culture units have been constructed for efficient demonstration of integrated aquaculture.

Fish seed production: A total of five lakhs fingerlings were produced at Instructional Fish farm, College of Fisheries. The fish seed is continuously being made available to the fish farmers of nearby area.



A view of fish seed production unit and fingerlings reared in the pond.

Ornamental fishery unit:

Ornamental fishery unit in college premises is fully functional. Breeding of eight ornamental fish species including *Osphronemus goramy*, *Poecilia reticulata*, *Gambusia affinis*, *Pterophyllum scleri*, *Carassius auratus* have been done successfully.



Fisheries Entrepreneurship Training Centre:

Recently a goshti was organized at Fisheries Entrepreneurship Training Centre” Gonda (U.P.) on 18.01.2021. It was inaugurated by Hon'ble Minister of Agriculture, Government of Uttar Pradesh and chaired by Hon'ble Vice-Chancellor A.N.D.U.A&T, Kumarganj, Ayodhya. A total of 35 fish farmers participated in this kisan goshti.



A view of fish farmers training at FETC, Gonda, U.P., Hon'ble Minister of Agriculture, Sri Surya Pratap Sahi ji and Hon'ble Vice Chancellor at Inaugural function of farmer's training

8.2 Clinical activities

University runs super speciality polyclinic for animals as veterinary clinical complex (VCC). The VCC is equipped with latest diagnostic tools and facilities, which is providing veterinary assistance, vaccination, Artificial insemination and facilities of surgical operations to the animals of purvanchal region. Meanwhile, students are also getting the latest knowledge of animal treatment and diseases control. In the current year, in the wake of Covid -19, the college initiated its **telemedicine services** during lockdown which benefitted around 128 farmers. Online treatment consultations were provided to treat ailing cows, buffaloes, dogs, a parrot and a pigeon

8.3 Development of Seed Production Farm - Nsp-6



Barren Land



Stone laying ceremony



Trial of strawberry



Turnip plantation



Azolla farming



Vermicompost unit

Reclamation of Usar Bhoomi



8.4. Initiatives taken under MGNREGA scheme implementation

Crop Research Station, Masodha Unit and NSP Unit -2 were strengthened by developing service roads earthen drains, security trenches, fencing bunding etc. Investing a rupees 228 lakhs out of a total sanctioned amount of 554.88 lakhs for creating a total of 98923 mandays with co-operation from District Administration, Ayodhya.



8.5. Community Park for Recreational Activities of University Residents

Community Park has been setup for residents of University for recreation of their families by Installation of playing amenities for Children and community establishment for group events.





9. VISITORS TO THE UNIVERSITY

DISTINGUISHED VISITORS



Hon'ble minister of Agriculture and Agricultural Education, Shri Surya Pratap Sahi ji



Visit by Peer review team members of National Agricultural Education Accreditation Board of ICAR



Visit of team from NABARD



Visit of Dr Devesh Chaturvedi, Chief Secretary, U.P. Govt.

Dignitaries visited at different centres of University :- (during Jan, 2020 to July, 2021)



**Dr. A.R. Pathak, Former Vice Chancellor, JAU, Junagadh & NAU, Navsari 10.02.2020
Pragatisheel Krishak Goshti**



Sh. Devesh Chaturvedi, Additional Chief Secretary (Agriculture), Govt. of U.P. observed Live Demonstration of CRM Equipments on 18.09.2020

Sh. Surya Pratap Sahi, Hon'ble Agriculture Minister, Uttar Pradesh visiting KVK Activities on 03.10.2020



**Sh. Baijnath Rawat, M.L.A. Haidergarh,
Barabanki 26.12.2020 PM Kisan Sammelan**



**Dr. Atar Singh, Director, ICAR ATARI,
Kanpur 01.02.2021 regarding KVK Activities**



**Sh. Har Govind Singh, Ex-MLC, Barabanki
24.02.2021, CRM KisanMela**



**Dr. Raghwendra Singh, Principal Scientist
24.02.2021, CRM Kisan Mela**



Dr.Satendra Kumar Singh, Project Director, Directorate of Knowledge Management in Agriculture (DKMA), New Delhi 02-02-2021, Rabi Pulses & Oilseed farmer's Field Visit to Village Sohni



- **Sri Lallu Singh, MP, Ayodhya, Sahadatganj, Ayodhya, 23/12/2020, Kisan Samman Diwas**
- **Sri Ved Prakash Gupta, MLA, Ayodhya, Rikabganj, Ayodhya, 17/09/2020, Poshan Abhiyan**
- **Smt. Sobha Singh Chauhan, MLA, Ayodhya, 23/12/2020, Kisan Samman Diwas**
- **Sri Anuj Kumar Jha, District Magistrate, Ayodhya, 23/12/2020, Kisan Samman Diwas**
- **Sri Prathmesh Kumar, CDO, Ayodhya, 12/07/2020, University Visit**
- **Dr. Ashok Kumar Tewatiya, D.D. Agriculture, Ayodhya, 23/12/2020, Kisan Samman Diwas**
- **Bhusan Pratap Singh, DHO, Ayodhya, 23/12/2020, Kisan Samman Diwas**
- **Rajendra Singh Vist, D.D. Fisheries, Ayodhya, 23/12/2020, Kisan Samman Diwas**
- **Sri B.K. Singh, DAO, Ayodhya, 23/12/2020, Kisan Samman Diwas**
- **Dr. Ashok Kumar Srivastava, CVO, Ayodhya, 23/12/2020, Kisan Samman Diwas**
- **Sri A. K. Singh, Regional Manager, IFFCO, Ayodhya, 17/09/2020, Poshan Abhiyan**
- **Dr. T. Damodaran, Principal Scientist and Head, CSSRI, Lucknow, 19/03/2021, University Visit**



International Women's Day- 8 Mar 2021: This day is marked to celebrate the cultural, political and socioeconomic achievements of women.



International Child Labour Day- 1 June 2021



Environment Day- 5 June 2021





Poster Competition on Environment Day & Doctor's Day – 1 July 2021



World Population Day 11th July 2021: To sensitize the common people the harmful effects of growing population, World Population Day was celebrated by Department of Food Science and Nutrition in the village Lal ka purva. Discussions were held on breast and cervical cancer, institutional deliveries and immunization among children, malnutrition among women and children and its management. Health competitions and nutritious recipe competition were organised for adolescent girls.





International Day for Justice- 17 July 2021: This programme is to highlight the justice for women and children issues like domestic violence, inequality & gender discrimination in education and income generation activity, child labour etc.



National Nutrition Week: To mark the National Nutrition Week (1-7 Sept), Five Days Training Programme on the topic- 'Feeding Smart Right from Start' (Prarambh se hi smart feeding) was organized at Milkipur block for Anganwadi Workers. Programme was inaugurated by Hon'ble Vice Chancellor, Dr. Bijendra Singh on 2nd September, 2021.





National Nutrition Week (1-7 Sept 2021), Five Days Training Programme on the topic- 'Feeding Smart Right from Start' For Anganwadi Workers

Animal Health camps

- The Department of Veterinary Medicine organized clinical camp at Deogaon, Ayodhya on 13.07.21 to educate farmers on DEVELOPMENT AND PREVENTION OF PRODUCTION DISEASES and conducted field tests on urine of milch animals to detect ketosis.



- The Department of Veterinary Medicine organized Disease Awareness Animal Health Camp at Baraulijham, Ayodhya on 20.07.21 to educate farmers on “Different diseases and aspects of prevention and control of diseases likely to occur in rainy season”. Milk and urine were examined for detection of subclinical mastitis and ketosis. Deticking was performed at farmers door step and animals were sprayed with acaricide.

IMPORTANT DAYS CELEBRATIONS



Acharya Narendra Dev jayanti



Shri Atal bihari Vajpayee jayanti-
Good Governance day



Kisan samman diwas



Parakram Diwas



Agriculture Education day



Cultural program celebration on the eve of Republic day, 2021



Celebration on the eve of Independence day, 2021





माहिला उत्थान एवं बाल उत्थान काविड-19 महामारी से संबंधित संबंधित कार्यक्रम विभिन्न कार्यक्रम

दैनिक जागरण 15/06/2021
बाल श्रम को लेकर ग्रामीण महिलाओं को किया आग

राष्ट्रीय सहारा 15/06/2021
अंतरराष्ट्रीय बाल मजदूरी विरोध दिवस पर लगा जागरूकता कैंप

स्वतंत्र भारत 13/06/2021
विश्वविद्यालय द्वारा किया गया विद्यार्थियों को पोषक आहार का वितरण

हिन्दुस्तान 28/04/2021
मुलापति ने वैश्विक महामारी से बचाव के लिए कृषि विश्वविद्यालय के कुलपति महामारी से बचाव हेतु दिए

अमर उजाला 03/06/2021
बाल सुरक्षा दिवस पर बच्चों को बनाए टिप्स

स्वतंत्र भारत 13/04/2021
टीकाकरण उत्सव का कुलपति डॉ. विजेंद्र सिंह ने की समीक्षा

हिन्दुस्तान 13/03/2021
कृषि विश्वविद्यालय में महिलाएं को गाई

शांति मोर्चा 15/04/2021
किसानोंको टीकाकरण के लिए किया जाग

अमर उजाला 10/04/2021
एनडी यूनीवर्सिटी के वैज्ञानिक, छात्र टीकाकरण के लिए करेंगे

दैनिक जागरण 09/03/2021
खत भूमिका की मिली सरा

दैनिक जागरण 06/03/2021
क्षमता एवं योग्यता समझ कर आगे बढ़ें

राष्ट्रीय सहारा 11/04/2021
टीकोत्सव पर कृषि विवि का सघन अभियान आज से

अभ्युत्थान 29/04/2021
महामारी के बाद स्वास्थ्य विषय पर राष्ट्रीय वेबीनार का आयोजन

अभ्युत्थान 29/11/2020
केंचुआ खाद उत्पादन करने की दी जानकारी

अमर उजाला 20/11/2020
केंचुआ खाद उत्पादन के लिए महिलाओं को दिया प्रशिक्षण

दैनिक जागरण 28/4/2021
कृषि विवि में कोरोना से बचाव के लिए हनुमान चालीसा का पाठ

राष्ट्रीय सहारा 9/12/2020
कृषि में महिलाओं की भागीदारी उत्साहजनक

हिन्दुस्तान 14/12/2020
विश्वविद्यालय में परामर्शक विद्यार्थियों का पाठन-पाठन सुरू

राष्ट्रीय सहारा 9/12/2020
कृषि में महिलाओं की भागीदारी उत्साहजनक

दैनिक जागरण 19/12/2020
तरुण मित्र 19/12/2020

राष्ट्रीय सहारा 11/04/2021
टीकोत्सव पर कृषि विवि का सघन अभियान आज से

अभ्युत्थान 29/04/2021
महामारी के बाद स्वास्थ्य विषय पर राष्ट्रीय वेबीनार का आयोजन

हिन्दुस्तान 10/04/2021
वैज्ञानिक व छात्र टीकाकरण को करेंगे जागरूक

अभ्युत्थान 29/11/2020
केंचुआ खाद उत्पादन करने की दी जानकारी

अमर उजाला 20/11/2020
केंचुआ खाद उत्पादन के लिए महिलाओं को दिया प्रशिक्षण

दैनिक जागरण 28/4/2021
कृषि विवि में कोरोना से बचाव के लिए हनुमान चालीसा का पाठ

राष्ट्रीय सहारा 9/12/2020
कृषि में महिलाओं की भागीदारी उत्साहजनक

हिन्दुस्तान 14/12/2020
विश्वविद्यालय में परामर्शक विद्यार्थियों का पाठन-पाठन सुरू

राष्ट्रीय सहारा 9/12/2020
कृषि में महिलाओं की भागीदारी उत्साहजनक

दैनिक जागरण 19/12/2020
तरुण मित्र 19/12/2020



नियमित शिक्षा सत्र समय अनुसार विश्वविद्यालय द्वारा प्राकृतिक खेती परीक्षा फल एवं छात्रों को रोजगार हेतु निर्देश एवं प्रयास

व्यस आफ लखनऊ 11/06/2021
घर में खेती का कार्य जरूर करें छात्र: डॉ. बिजेन्द्र सिंह
 डॉ. बिजेन्द्र सिंह, कृषि विज्ञान केंद्र के अध्यक्ष, ने कहा कि छात्रों को घर में खेती शुरू करनी चाहिए। यह न केवल स्वास्थ्य के लिए अच्छा है, बल्कि यह छात्रों को खेती के प्रति जागरूक करता है।

अमर उजाला 23/02/2021
एनडी विवि में बीएस एजी की परीक्षाएं शुरू
 एनडी विवि में बीएस एजी की परीक्षाएं शुरू हो गई हैं। छात्रों को परीक्षा में अच्छे अंकों से गुजरना है।

तरुण मित्र 05/06/2021
प्रत्येक कृषि विज्ञान केंद्र पर एक एकड़ में हंगी जैविक खेती: डॉ. विजेन्द्र सिंह
 डॉ. विजेन्द्र सिंह ने कहा कि प्रत्येक कृषि विज्ञान केंद्र पर एक एकड़ में हंगी जैविक खेती शुरू की जाए।

नन्ते मांचा 05/06/2021
कृषि विज्ञान केंद्र पर एक एकड़ जैविक खेती: डॉ. विजेन्द्र सिंह
 डॉ. विजेन्द्र सिंह ने कहा कि कृषि विज्ञान केंद्र पर एक एकड़ जैविक खेती शुरू की जाए।

राष्ट्रीय सहारा 12/12/2020
पि विवि में प्राकृतिक खेती पर हुआ:
 पि विवि में प्राकृतिक खेती पर एक कार्यक्रम हुआ। डॉ. विजेन्द्र सिंह ने छात्रों को प्राकृतिक खेती के फायदों के बारे में बताया।

दैनिक जागरण 23/02/2021
कोविड प्रोटोकॉल के बीच एनडी कृषि विवि में परीक्षा शुरू
 एनडी कृषि विवि में कोविड प्रोटोकॉल के बीच परीक्षाएं शुरू हो गई हैं।

अमर उजाला 20/02/2021
संरक्षित खेती कर आमदनी को दोगुना करें किसान
 संरक्षित खेती कर आमदनी को दोगुना करने के लिए सरकार ने कई योजनाएं शुरू की हैं।

अमर उजाला 16/12/2020
प्राथमिकी को विवि से कराया
 प्राथमिकी को विवि से कराया गया है।

हिन्दुस्तान 08/01/2021
छात्रों को दी जाएगी रोजगारपरक शिक्षा:
 छात्रों को रोजगारपरक शिक्षा दी जाएगी।

जनमोर्चा 02/02/21
कृषि विवि में प्लेसमेंट से छात्रों को मिली
 कृषि विवि में प्लेसमेंट से छात्रों को रोजगार मिलेगा।

जनमोर्चा 05/06/2021
कृषि विज्ञान केंद्र पर एक एकड़ जैविक खेती भी
 कृषि विज्ञान केंद्र पर एक एकड़ जैविक खेती शुरू की जाएगी।

वतंत्र भारत 05/06/2021
प्रत्येक कृषि विज्ञान केंद्र पर एक एकड़ में हंगी जैविक खेती: कुलपति
 प्रत्येक कृषि विज्ञान केंद्र पर एक एकड़ में हंगी जैविक खेती शुरू की जाएगी।

व्यस आफ मुरै 20/04/2021
शिक्षा-सत्र समय से हो संचालित: कुलपति डॉ. विजेन्द्र
 शिक्षा-सत्र समय से हो संचालित है।

अमर उजाला 20/02/2021
खेती से आमदनी करें दोगुनी
 खेती से आमदनी को दोगुना करने के लिए सरकार ने कई योजनाएं शुरू की हैं।



कुलपति द्वारा किए गए समय-समय पर निरीक्षण एवं बैठक

कृषि बिल का समर्थन एवं गुणवत्ता का प्रचार प्रसार

जनमोर्चा 11/06/2021
भविष्य के कार्यों को तय समय में पूरा
कृषि विधि के कुलपति ने अफसरों के साथ की समीक्षा बैठक

हिन्दुस्तान 11/06/2021
भविष्य के कार्यों को सीधे पूरा करने के दिशे निर्देश

का पालन न होने की कड़ी कार्रवाई

Indian Express 21/01/2021
VC, NUGAT, Ayodhya informs about reality and misconceptions of new agriculture bill

हिन्दुस्तान 31/12/2020
कुलपति ने भातियों को दूर किया

दैनिक जागरण 01/06/2021
दलहन व तिलहन के लिए लांच होगी नई नीति

स्वतंत्र भारत 01/06/2021
पीएम के दृढ़ संकल्प के साथ भारत मजबूती से बढ़ रहा आगे : नरेन्द्र सिंह तोमर

स्वतंत्र भारत 30/12/2020
कृषि सुधार कानून पर किसानों में भ्रान्तियां : कुलपति

दैनिक जागरण 09/12/2020
कृषि बिल : कृषक आय संतुष्टि में क्रांतिकारी पहल : कुलपति

SRI MAIL 14/01/2021
New Agriculture bill- Vice chance told about reality and misconception

प्राम्य वार्ता 05/06/2021
कृषि विधि के केवीके का औचक बैठ

स्वतंत्र भारत 02/03/2021
कुलपति द्वारा की गई दीक्षांत समारोह की तैयारियों की समीक्षा

हिन्दुस्तान 17/02/20
कुलपति ने संकाय कॉलेजों का किया निरीक्षण

अमर उजाला 04/12/2020
कृषि कानून के बारे में किया जा रहा भ्रमित

हिन्दी दैनिक 'कामाख्या'
कृषि बिल से क्षमित ना ह

राष्ट्रीय सहारा 21/1/2020
भूतनों की खेतों से बढ़ेगी किसानों की आय : डॉ. विजेंद्र

अमर उजाला 09/01/2021
कृषि विधि के संकाय कॉलेजों को समीक्षा

जनमोर्चा 04/12/2020
कृषि विधेयक को लेकर किसानों को किया जा रहा भ्रमित : कृषिमंत्री

हिन्दुस्तान 04/12/2020
कृषि नीति से किसानों को करे जाग

हिन्दुस्तान 04/12/2020
कृषि नीति से किसानों को करे जाग

तरुण मित्र 09/01/2021
कृषि विश्वविद्यालय में दीक्षांत समारोह की तैयारियां शुरू

अमर उजाला 21/01/2021
नर्माण कार्य में तेजी लाने के निर्देश

दैनिक जागरण 09/12/2020
कृषि बिल : कृषक आय संतुष्टि में क्रांतिकारी पहल : कुलपति

दैनिक जागरण 09/12/2020
कृषि बिल : कृषक आय संतुष्टि में क्रांतिकारी पहल : कुलपति

दैनिक जागरण 09/12/2020
कृषि बिल : कृषक आय संतुष्टि में क्रांतिकारी पहल : कुलपति

दैनिक जागरण 09/12/2020
कृषि बिल : कृषक आय संतुष्टि में क्रांतिकारी पहल : कुलपति

दैनिक जागरण 09/12/2020
कृषि बिल : कृषक आय संतुष्टि में क्रांतिकारी पहल : कुलपति

दैनिक जागरण 09/12/2020
कृषि बिल : कृषक आय संतुष्टि में क्रांतिकारी पहल : कुलपति

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कृषि बिल : कृषक आय संतुष्टि में क्रांतिकारी पहल : कुलपति

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कृषि बिल : कृषक आय संतुष्टि में क्रांतिकारी पहल : कुलपति

दैनिक जागरण 09/12/2020
कृषि बिल : कृषक आय संतुष्टि में क्रांतिकारी पहल : कुलपति

दैनिक जागरण 09/12/2020
कृषि बिल : कृषक आय संतुष्टि में क्रांतिकारी पहल : कुलपति

दैनिक जागरण 09/12/2020
कृषि बिल : कृषक आय संतुष्टि में क्रांतिकारी पहल : कुलपति

दैनिक जागरण 09/12/2020
कृषि बिल : कृषक आय संतुष्टि में क्रांतिकारी पहल : कुलपति

दैनिक जागरण 09/12/2020
कृषि बिल : कृषक आय संतुष्टि में क्रांतिकारी पहल : कुलपति



समय-समय पर किसानों को हित प्रशिक्षण एवं एडवाइजरी

विश्वविद्यालय द्वारा आयोजित विभिन्न दिवसों का आयोजन

दैनिक जागरण 26/05/2021

कृषि विद्यापीठ के अधिक उत्पादन के स्वस्थ पौधे जरूरी

आयुर्वेदिक पौधों के अधिक उत्पादन के लिए किसानों को स्वस्थ पौधों की आवश्यकता है।

स्वतंत्र भारत 06/06/2021

कृषि विद्यापीठ में आयोजित हुआ विश्व पर्यावरण दिवस

कृषि विद्यापीठ में आयोजित हुआ विश्व पर्यावरण दिवस कार्यक्रम।

जनमोचा 06/06/2021

विश्व दुग्ध दिवस का होगा आयोजन

विश्व दुग्ध दिवस का होगा आयोजन कार्यक्रम।

दैनिक जागरण 21/05/2021

सहजान का सेवन कोरोना से जंग में दे

सहजान का सेवन कोरोना से जंग में दे कार्यक्रम।

अमर उजाला 26/05/2021

दुधारू पशुओं पर गर्मी का सर्वाधिक दुष्प्रभाव

दुधारू पशुओं पर गर्मी का सर्वाधिक दुष्प्रभाव।

स्वतंत्र भारत 24/01/2021

पारक्रम दिवस पर सुभाषचंद्र बोस को श्रद्धासुमन

पारक्रम दिवस पर सुभाषचंद्र बोस को श्रद्धासुमन।

दैनिक जागरण 27/12/2020

विश्वविद्यालय ने किसानों संग मनाया सुशासन दिवस

विश्वविद्यालय ने किसानों संग मनाया सुशासन दिवस।

अमर उजाला 27/12/2020

हृषीकेश पृथक मनाया गया अरजत जी का जन्मोत्सव

हृषीकेश पृथक मनाया गया अरजत जी का जन्मोत्सव।

स्वतंत्र भारत 24/12/2020

कृषि विद्यापीठ में आयोजित हुआ किसान दिवस

कृषि विद्यापीठ में आयोजित हुआ किसान दिवस।

