



50th ANNUAL REPORT 2021-22



**Vasant Rao Naik Marathwada Krishi Vidyapeeth
Parbhani - 431 402 (Maharashtra)**

Visit of Hon.Shri. Bhagat Singh Koshyari, Hon. Governor of Maharashtra to University Activities





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Dr. Indra Mani

Vice-Chancellor

**Vasantryao Naik Marathwada Krishi Vidyapeeth
Parbhani**

PREFACE

I have a great pleasure in presenting 50th Annual Report of Vasantryao Naik Marathwada Krishi Vidyapeeth, Parbhani. The significant contributions of the University in the field of education, research and extension during 2021-22 are presented in concise form.

VNMKV is focusing to enhance the farmer's income through many interventions based on the basic and applied research. VNMKV is functioning in all the eight domain districts of Marathwada region through dissemination of modern technologies. Based on the agro-climatic conditions of the region, available natural resources, farmer's need and focusing the climate vulnerability, the University has developed many new varieties of field crops and horticultural crops with reference to high production potential & quality aspects. New farm implements are also designed. University has signed various MoU's with ICAR institutes for facilitating research facilities of the ICAR institutes for PG and Ph.D. students. Similarly University also signed MoU's with some manufacturers for commercialization of small farm implements and equipments. The large amount of seed was distributed to the farmers during University Foundation Day i.e. on 18th May.

Education in VNMKV is continuously monitored and reoriented with international collaborations wherever possible to meet the local needs. University is taking efforts to develop self- confidence in the students and innovative thinking to meet the national and global challenges. During the COVID-19 pandemic situation, the online education was provided to students along with technical backup. National Higher Education Project jointly sponsored by ICAR and World Bank conducted many online training programmes and organized several online National and International conferences / seminars wherein many PG and Ph.D. students participated. Such events were definitely found useful to students particularly in personality development and strengthening the research background.

University is actively involved in the transfer of improved and advanced technologies to farming community through a very effective extension system and demonstrations on farmers' fields were also organized. University organized the online farmers rallies on 18th May, 17th September and 3rd January and crop specific advices were given to the farming community. Though University scientists faced difficulty in reaching to farmers field due to COVID-19 pandemic situation, however, using various digital platforms, various training programmes were organized through online mode for educating farmers regarding various improved technologies

I express my sincere thanks to Government of Maharashtra, Government of India, Indian Council of Agricultural Research, New Delhi and other National / International Funding Agencies for their generous support. I would like to place on record the efforts taken by all my university colleagues without whose tireless efforts, the achievements of Vasantryao Naik Marathwada Krishi Vidyapeeth would not have been possible.

I wish to compliment Dr. D.P. Waskar, Director of Research & his team and Dr. D.B. Deosarkar, Director of Extension Education for bringing out this document in presentable form. I am sure that all our stakeholders would be benefitted by the information given in this annual report.

(Indra Mani)
Vice-Chancellor



Shri. Bhagat Singh Koshyari
Hon. Chancellor & Governor of Maharashtra



Shri. Uddhav Balasaheb Thackeray
Hon. Chief Minister of Maharashtra



Shri. Dadaji Bhuse
Hon. Agril. Minister of Maharashtra



Shri. Vishwajeet Kadam
Hon. Agril. Minister (State) of Maharashtra



Dr. Ashok S. Dhawan
Hon. Vice Chancellor, VNMKV, Parbhani

Executive Council Members 2021-22

Vasantrao Naik Marathwada Krishi Vidyapeeth, Parbhani

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3	Shri. Vinayak Mete	Member of Legislative Council, Tukai Niwas, Tirupati Nagar, Barshi Road, Beed	Member
4	Dr. Rahul Patil	Member of Legislative Assembly Torna 138, Shivaji Nagar, Parbhani	Member
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6	Divisional Assistant Commissioner (Animal Husbandry)	Office of the Divisional Assistant Commissioner (Animal Husbandry), Khadkeshwar, Pune	Member
7	Director (Horticulture)	Govt. of Maharashtra, Narvir Tanaji Wadi, Shiwaji Nagar, Pune	Member
8	Chief Conservator	Chief Conservation of Forest, Osmanpura, Aurangabad	Member
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13	Dr. D.N. Gokhale	Director of Instruction and Dean, VNMKV, Parbhani	Member
14	Dr. D.B. Deosarkar	Director, Extension Education, VNMKV, Parbhani	Member
15	Smt. D.M. Devatraj	Comptroller, VNMKV, Parbhani	Member
16	Dr. D.R. Kadam	Registrar, VNMKV, Parbhani	Member secretary

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INTRODUCTION

Vasantrao Naik Marathwada Krishi Vidyapeeth was established on 18th May, 1972 by the Government of Maharashtra to fulfil the needs of Agricultural education, aspirations of the people of Marathwada region and to cater to the needs of farmers leading to comprehensive agricultural development of eight districts of Marathwada region. This year University is celebrating its Golden Jubilee Year. This is one of the four Agricultural Universities in the state of Maharashtra. The entire region has rural setting. The objectives of the University include education in agriculture and allied sciences, research based on regional needs and technology transfer.

Marathwada region of Maharashtra state is comprised of 8 districts. The region lies between 17° 35' to 20° 40' N latitude and 74° 40' to 78° 16' E longitude. The altitude ranges between 300 to 900 m above mean sea level. The total geographical area of the region is 64.5 lakh ha with 57 lakh ha suitable for agriculture. However, net sown area is only 75 per cent of the total geographical area. The climate of Marathwada experience wide inter district and intra district variability. The region receives annual rainfall in the range of 500 to 1100 mm and comes under assured rainfall zone (60%), moderately high rainfall zone (20%) and scarcity zone (20%). The agricultural production in Marathwada region of Maharashtra State is limited primarily by erratic nature of the monsoon rains. The soils in the region are deep black, medium black, coarse and shallow. The major crops grown in the area are cotton, soybean, pigeonpea and sorghum,.

Vasantrao Naik Marathwada Krishi Vidyapeeth, Parbhani imparts education leading to undergraduate and post graduate degree programmes under the faculties of Agriculture, Food Technology, Agricultural Engineering, Community Science, Agricultural Business Management and Agricultural Biotechnology. Agricultural colleges which are located at Parbhani, Latur, Ambajogai, Badnapur, Osmanabad and Golegaon. Agricultural Engineering, Food Technology and Community Science Colleges are located at Parbhani. College of Agricultural Biotechnology is located at Latur while Post Graduate Institute of Agril. Business Management is located at Chakur. The University has extended affiliation to 43 private non granted colleges. As per the Vth Dean's Committee's recommendation, this university has launched six Experiential Learning Projects in Food Processing, Human Development, Dairy Science, Horticulture and Soil Science to provide hands on experiences for developing professionalism in UG students.

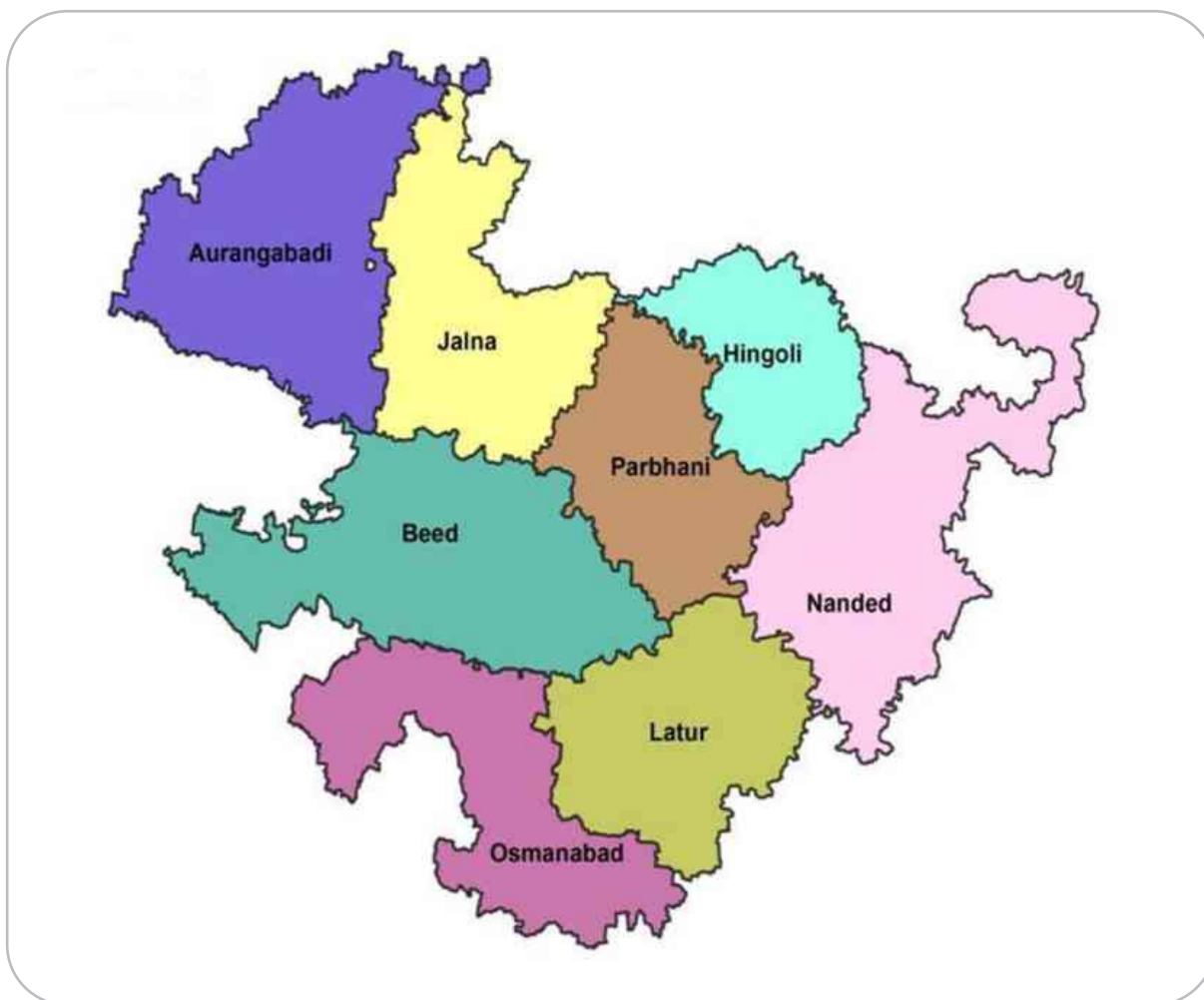
Four Krishi Vigyan Kendras located at Aurangabad, Tuljapur, Khamgaon and Badnapur are under the direct control of the University to demonstrate the various improved and advanced agricultural and allied technologies on farmers field for its wide scale adoption. The KVKs also impart training programmes to farmers on various agricultural practices for enhancing the crop productivity and impart knowledge on rainwater conservation and its reutilization. There are 9 constituent and 24 private Agricultural Technical Schools in which two years Marathi medium Agri. Tech. diploma is running. Private non aided 28 Agricultural Polytechnics are running in which three years semi English Diploma in Agricultural Technology is running.

University draws financial support from the State Government, ICAR (Plan and Non- plan) and other funding agencies. The University has entered into MoU with reputed institutes like ICRISAT, Hyderabad; ICAR-NIPHM, Hyderabad, ICAR-CICR, Nagpur; ICAR-IIMR, Hyderabad; ISRO, Bangalore; IARI, New Delhi; ICAR-NCIPM, New Delhi; TERI, Mumbai, BARC, Mumbai; ICAR-CRIDA, Hyderabad; ICAR-National

Research Centre on Pomegranate, Solapur, ICAR-Indian Institute of Oilseeds Research, Hyderabad National Research Development Corporation, New Delhi, National Bureau for Plant Genetic Resources, New Delhi, Mahyco, Jalna; Barwale Research Foundation, Hyderabad; CCMB, Hyderabad for funding Post Graduate Research, patenting, bio-technological applications, etc. The university also entered into MoU with Maharashtra State Seed Corporation (MAHABEEJ), Akola for seed production of various crops and its varieties. Similarly, university has made MoA with some Industries for manufacturing of farm implements which were developed by the University. VNMKV has 3906 ha land being utilized for research, higher and lower education and seed production programmes. The central farm has four major blocks with 1893 ha land.

The VNMKV is accredited University and placed in 'B' grade. The constituent UG, PG and Ph.D. programmes in various faculties are accredited by the Peer Review Team of ICAR New Delhi.

This year University is celebrating its Golden Jubilee. The 50th Annual Report of Vasantao Naik Marathwada Krishi Vidyapeeth, Parbhani includes the information on education, research and extension education activities carried out during 1st April, 2021 to 31st March, 2022.



Jurisdiction of VNMKV, Parbhani in Maharashtra

EDUCATION

Vasantryao Naik Marathwada Krishi Vidyapeeth, Parbhani is imparting education in the following under graduate and post graduate programmes.

A) Under-graduate Degree Programme

1. B.Sc. (Agri.)
2. B.Sc. (Hort.)
3. B.Sc. (Community Science)
4. B.Sc. (Agril. Bio-Tech.)
5. B.Sc. (Agril. Business Management)
6. B.Tech. (Agril. Engineering)
7. B.Tech. (Food Technology)



B) Post-graduate Degree Programme

1. M.Sc. (Agri.)
2. M.Sc. (Hort.)
3. M.Sc. (Community Science)
4. M.Sc. (Agril. Bio-Tech.)
5. M.Tech. (Agril. Engineering)
6. M.Tech. (Food Technology)
7. M.BA (Agri.)
8. Ph.D. (Agri.)
9. Ph.D. (Community Science)
10. Ph.D. (Agril. Engineering)
11. Ph.D. (Food Technology)



Under-graduate / Post Graduate degree programme

During the report period, number of students admitted and passed out for various UG and PG/Ph.D. programmes are as under:

Constituent Colleges

Sr. No.	Name of the College	Year of Est.	Student intake Capacity		
			UG	PG	Ph.D.
1	College of Agriculture, Parbhani	1956	210	134	33
2	College of Agriculture, Latur	1987	94	108	
3	College of Agriculture, Osmanabad	2000	60	-	-
4	College of Agriculture, Ambajogai	2000	60	-	-
5	College of Agriculture, Badnapur	2000	60	36	-
6	College of Agriculture, Golegaon	2012	60	-	-
7	College of Horticulture, Parbhani	1984	40	-	-
8	College of Food Technology, Parbhani	1976	64	15	05
9	College of Agril. Eng g.& Tech . Parbhani	1986	64	08	04
10	College of Community Science, Parbhani	1976	40	12	02
11	Vilasrao Deshmukh College of Agri Biotechnology, Latur	2006	40	08	-
12	Post Graduate Institute of Agri. Business Management, Chakur	2009	-	35	-
Total			792	356	42



Non Granted Affiliated Colleges (Agriculture)

Sr. No.	Name of the College	Year of Est.	Student intake Capacity
			UG
1	College of Agriculture, Naigaon Bazar, Dist. Nanded	2002-03	60 + 60
2	Aditya College of Agriculture, Beed	2002-03	60 + 60 + 60
3	Dadasaheb Patil College of Agriculture, Dahegaon, Tq. Vaijapur, Dist. Aurangabad	2002-03	60 + 60
4	Rajiv Gandhi College of Agriculture, Parbhani	2002-03	60 + 60

5	Chhatrapati Shahu Phule Ambaедkar College of Agriculture, Asti	2004-05	60 + 60
6	College of Agriculture, Kanchanwadi, Aurangabad	2006-07	60 + 60 + 60
7	College of Agriculture, Kharpudi, Jalna	2008-09	60 + 60
8	College of Agriculture, Dongarshelki tanda, Udgir, Dist. Latur	2008-09	60 + 60
9	College of Agriculture, Nehrunagar Nagalgaon Tq. Khandhar,	2008-09	60 + 60
10	College of Agriculture, Tondapur, Post Waranaga Phata Dist. Hingoli	2008-09	60 + 60
11	College of Agriculture, Georai Tanda, Aurangabad	2008-09	60 + 60
12	Netaji Subhashchandra Bose College of Agriculture, Markhel, Dist. Nanded	2010-11	60 + 60
13	College of Agriculture, Selu, Dist. Parbhani	2010-11	60 + 60
14	College of Agriculture, Pathri, Dist. Parbhani	2010-11	60 + 60
15	College of Agriculture, Khandala, Tq. Vaijapur, Dist. Aurangabad	2010-11	60 + 60
16	Late Ambadasrao Warpudkar College of Agriculture, Warpud, Dist. Parbhani	2012-13	60
17	Mahatma Gandhi Mission College of Agriculture, Gandheli, Aurangabad	2012-13	60 + 60
18	College of Agriculture, Navha, Tq. & Dist. Jalna	2014-15	60
19	KSK College of Agriculture, Rajuri Navgan, Beed	2014-15	60
20	College of Agriculture, Alni Gadhpatti, Osmanabad	2015-16	60
21	College of Agriculture, Pathri. Tq. Phulambri. Dist. Aurangabad	2015-16	60
Total			2340

Non Granted Affiliated Colleges (Food Technology)

Sr. No.	Name of the College	Year of Est.	Student intake Capacity UG
1	College of Food Technology, Rajuri Navgan Dist. Beed	2004-05	40 + 40
2	Aditya College of Food Technology, Beed	2004-05	40 + 40
3	Rajiv Gandhi College of Food Technology, Parbhani	2004-05	
4	QEENS College of Food Technology, Aurangabad	2006-07	40 + 40
5	College of Food Technology, Naigaon Dist. Nanded	2008-09	40 + 40
6	Mahatma Gandhi Mission College of Food Technology, Aurangabad	2008-09	40 + 40
7	College of Food Technology, Loni, Tq. Udgir, Dist Latur	2010-11	40 + 40
8	MIT College of Food Technology, Aundha Nagnath, Dist. Hingoli	2012-13	40
9	MIT College of Food Technology, Aurangabad	2014-15	40
10	College of Food Technology, Georai Tanda, Aurangabad	2014-15	40
11	College of Food Technology, Nehru nagar Nagalgaon, Tq. Kandhar, Dist. Nanded	2015-16	40
12	College of Food Technology, Ashti, Dist. Beed	2015-16	40
13	Loknete Gopinathrao Munde College of Food Technology, Lodga, Tq. AUSA Dist. Latur	2015-16	40
Total			860

Non Granted Affiliated Colleges (Agriculture Bio-Technology)

Sr. No.	Name of the College	Year of Est.	Student intake Capacity
			UG
1	Mahatma Gandhi College of Agricultural Bio-Technology, Pokharni, Dist. Nanded	2004-05	40 + 40
2	College of Agricultural Bio -Technology, Gaorai Tanda, Aurangabad	2004-05	40 + 40
3	Mahatma Gandhi Mission College of Agricultural Bio-Technology, Gandheli, Aurangabad	2004-05	40 + 40
4	Aditya College of Agricultural Bio-Technology, Telgaon Road, Beed	2008-09	40 + 40
5	College of Agricultural Bio -Technology, Hatta, Tq. Basmat	2008-09	40 + 40
Total			400

Non Granted Affiliated Colleges (Agriculture Business Management)

Sr. No.	Name of the College	Year of Est.	Student intake Capacity UG
1	Post Graduate Institute of Agricultural Business Management, Latur	2004-05	40 + 40 = 80

Non Granted Affiliated Colleges (Agricultural Engineering & Technology)

Sr. No.	Name of the College	Year of Est.	Student intake Capacity UG
1	Aditya College of Agricultural Engineering & Technology, Beed	2004-05	40 + 40
2	Sir Chhoturam College of Agricultural Engineering & Technology, Lodga, Dist. Latur	2014-15	40 + 40
5	College of Agricultural Engineering & Technology, Nehrunagar, Nagfalgaoon, Dist. Nanded	2015-16	40
Total			200

Lower Agricultural Education

There are 06 constituent and 51 private Agricultural Technical Schools in which two years Marathi medium Agri. Tech. diploma is running. The annual intake of the schools is 3420. The students passed 10th standard are qualified to apply for it. These schools provide trained manpower for gross root work.

Number of candidates admitted and passed out during the year 2021-22

Sr. No.	Course	No. of students admitted	No. of students passed out in diploma/ Certificate Course
1	Agriculture Technical diploma	3027	
2	Mali Training Certificate Course	26	

Faculty wise number of students completed the degrees during 2021-22

Sr.No.	Course Name	No. of students
Ph.D. Courses		
1	Ph. D. (Agri.)	31
2	Ph. D. (Home Science)	--
3	Ph. D. (Food Tech.)	02
4	Ph. D. (Agril. Engg.)	04
Total A		37
PG Courses		
1	M.Sc. (Agri.)	241
2	M.Sc. (Hort.)	42
3	M.Sc. (Home Science)	15
4	M.Tech. (Food Tech.)	15
5	M.Tech. (Agril. Engg.)	16
6	M.B.A. (Agril.Business Management)	23
7	M.Sc. (Agri. Bio. Tech.)	15
Total B		367
U.G.Courses		
1	B.Sc. (Agri.)	2631
2	B.Sc. (Hort.)	21
3	B.Sc. (Home Science)	22
4	B.Sc. (Agril Bio . Tech.)	339
5	B.Tech. (Food Tech.)	583
6	B.Tech. (Agril.Engg)	242
7	B.B.A. (Agri.)	57
Total C		3895
Grand Total: A+ B+ C		4299

Organization of Training Programme

Department of Agricultural Entomology				
Sr. No.	Date	Topic	To whom training given	Mode
1	02.07.2021	Pests management of Soybean Crop	Training to State Agril. Dept. Staff and Officers (RAMETI, Aurangabad)	Online From Parbhani
		Pests management of Cotton, Pigeonpea and Sweet Orange Crops		
		Disease management of Cotton, Soybean and Pigeonpea Crops		
2	08.07.2021	Pests management of Pigeonpea Crop	Masters training programme Under CROPSAP Project 2021-22	Online From Parbhani
		Management of Fall Army Worm on Maize, Sorghum and Sugarcane crops		
		Pests management of Cotton Crop		
		Pests management of Soybean Crop		
		Disease management of Soybean Crop		
		Disease management of Cotton and Pigeonpea crops		
3	09.07.2021	Online feeding CROPSAP proforma	Masters training programme Under HORTSAP Project 2021-22	Online From Parbhani
		Management of Fruit Sucking Moth		
		Sweet Orange planting and Bahar Treatment		
		Pests management of Okra Crop		
		Pests management of Sweet Orange Crop		
		Pests and Disease management of Sweet Orange Crops		
		CROPSAP proforma online feeding		
4	13.07.2021	Online feeding CROPSAP proforma	Masters training programme of Osmanabad District Under CROPSAP Project 2021-22	Online From Parbhani
		Pests management of Pigeonpea Crop		
		Pests management of Soybean Crop		
		Pests management of Cotton Crop		
5	15.07.2021	Management of Fall Army Worm on Maize, Sorghum and Sugarcane crops	Masters training programme of Parbhani District Under CROPSAP Project 2021-22	Online From Parbhani
		Pests management of Soybean Crop		
		Pests management of Cotton Crop		
		Online feeding CROPSAP proforma		

Department of Agricultural Entomology				
Sr. No.	Date	Topic	To whom training given	Mode
6	29.09.2021	Pests management of Pigeonpea and Gram Crops	Kisan Gosti v Kshetriy karmchari Prshikshan	Auditorium, COA, Ambajogai
		Management of Fall Army Worm on Maize, Sorghum and Sugarcane crops		
		Pests management of Cotton Crop		
		IPM of Soybean		
		Online feeding CROPSAP proforma		
7	2.12.2021	“Summer soybean seed production technology” by AICRP on Soybean and Directorate of Research, VNMKV Parbhani	Online workshop	Online From Parbhani
8	10.12.2021	Training on Bee keeping	Offline Training	Offline at Dept. of Agril. Entomology

Workshop/Training Organized by CAET, Parbhani

Sr.No.	Title of Training / Workshop	Date	No. of Beneficiaries
4	College of Agricultural Engineering & Technology in Collaboration with ICAR, New Delhi organized Three Days Training Programme on “Entrepreneurship Development through Processing of Agriculture Product for under SCSP Programme	28-30, March 2022	30



Various Social and Scientific Programs organized on the occasion of VNMKV Golden Jubilee Year and Azadi Ka Amrut Mahotsav during 2021-22 by College of Agriculture, Latur

Sr. No	Programme/Activity	Date	Beneficiary
1	Workshop on Psychological Support for Covid-19 Pandemic situation (Online)	7 th July, 2021	Students(150)
2	State Level Soybean Conference-2021	16 th August, 2021	Students/Staff & Scientist
3	Achieving Sustainability in Crop Production Through Alimentation and Plant Protection, IPSWZ, organized by Dept. of Plant Pathology	17 th and 18 th Nov, 2021	Students/Staff & Scientist, farmers (400)
4	ICAR, New Delhi funded SC-SP Plan Sub-Head 9.2.1. (Entrepreneurship Development) has sanctioned Rs. 0.50 Lakhs (2021-22) for offline one day lectures on different aspects. Similarly, 28 online discipline-wise lectures on various important aspects were organised.	17-30 March,2022	Students (28)
5	ICAR, New Delhi funded SC-SP Plan Sub-Head 9.2.1. (Entrepreneurship Development) has sanctioned Rs. 1.50 Lakhs (2021-22) for offline one day training in different aspects. Accordingly 05 training were organised.	20-24 March,2022	Students (28)

Seminar, Symposia, Conference, Workshop, Training etc. organised by College of Agriculture, Latur

Sr. No.	Name of the Event	Period		No. of Participant
		From	To	
1.	Short Training on “Computer Applications in Agriculture”	27-09-2021	29-09-2021	30
2.	Placement Secrets Revealed: For Job Seeking Professionals & Agril. Students by Mr.Vevek Gahatraj, Founder & Creator of Kisan Business Clinic, Nashik	28-09-2021	28-09-2021	05
3.	Session on Job opportunities in Commodity Warehousing, Multi Commodity Exchange, Mumbai (MCX)	18-02-2022	18-02-2022	65
4.	Delivering the Agri-Informatics course contents with Informatics course contents with student centric approach	15-03-2022	15-03-2022	14

Programmes Organized : College of Agriculture, Latur



Programmes Organized : College of Agriculture, Golegaon



Programmes Organized : College of Agriculture, Osmanabad



Centre of Excellence on Digital Farming at VNMKV (NAHEP)

The ICAR, New Delhi sanctioned Centre for Advanced Agricultural Science and Technology (CAAST) on Digital Farming solutions for Enhancing Productivity by Robots, Drones and AGVs under National Agricultural Higher Education Project (NAHEP) to VNMKV, Parbhani sponsored by World Bank and Govt. of India with a financial outlay of Rs. 18.00 Crores for this project for a period of 3 years since 2019. Various National and International training programmes were arranged for post graduate and Doctoral students as well as for the faculty of Agriculture and allied sciences during the year 2021-22 in On-line mode. Similarly, the National and International Webinars covering various issues of advanced agricultural sciences were organized in online mode due to COVID-19 pandemic situation.

National / International Trainings organised under NAHEP

Sr. No	Title of Training / Workshop	Date/ Duration	No. of Beneficiaries
1	Application of Remote Sensing & GIS In Digital Agriculture	4-8, June 2021	45
2	Personality Development and Life Skills	3-5, May 2021	86
3	Advanced Hydraulics And Pneumatic Technologies For Agriculture	24 May to 4 June 2021	15
4	Applications of Computer Aided Engineering in Agriculture	07/06/2021 to 03/07/2021	100
5	Rapid Prototyping And Reverse Engineering By 3d Scanner And 3d Printer In Agriculture	07-18/06/2021	30
6	Embedded Systems and IoT in Agriculture	17/06/2021 to 07/08/2021	66
7	Food Processing & Automation	02-14/08/2021	36
8	Python programming Application using smart camera in Agriculture	01-10/09/2021	38
9	Advance Hydroponics & Polyhouse Automation	04/10/2021 to 16/10/2021	85
10	Precision Agriculture by Advance Digital Technologies	01/12/2021 to 30/12/2021	156
11	Brainstorming Workshop Regarding NAHEP Project Activities	10 January 2022	75
12	Four Months Institutional Internship/Training Programme of UG/PG/PHD Students	21 Jan To 21 May 2022	13
13	Online Quiz Competition 2022 on “Vegetable Grafting”	01/02/2022	729
14	International Workshop on “Advance Digital Technologies in Agricultural Automation”	14-16/03/2022	125
15	Training to SC-SP on Mechanization and value addition	8-9 Mar 2022	65
16	Technology mela /Mechanization Day	11 March 2022	250
17	Training to SC-SP on Mechanization and value addition	11-12 March 2022	120

Memorandum of Understanding (MoU)

Indian Institute of Technology, Mumbai and NAHEP Project, VNMKV, Parbhani

The MoU was signed by Dr. Ashok Dhawan, Hon. Vice-Chancellor, VNMKV, Parbhani, Dr. Gopal Shinde, Principal Investigator, NAHEP Project, VNMKV, Parbhani and Dr. Amit Arora, IIT, Bombay for exchange of students, faculties in research, education, technology, commencement of certificate course, organization of 1/2/3 week training sessions for students, faculties, availability of digital library, software technology and use of modern technologies in agriculture such as drone technology, robotics, artificial intelligence, precision agriculture, automated machinery etc.



Indian Institute of Technology, Kharagpur, and NAHEP Project, VNMKV, Parbhani

MoU was signed by Dr. Ashok Dhawan, Hon. Vice-Chancellor, VNMKV, Parbhani, Dr. Gopal Shinde, Principal Investigator, NAHEP Project, VNMKV, Parbhani and Prof. V.K. Tewari, Director, Indian Institute of Technology, Kharagpur for exchange of students, faculties in research, education, technology, commencement of certificate course, organization of 1/2/3 week training session for students, faculties, availability of digital library, software technology and use of modern technologies in agriculture such as drone technology, robotics, artificial intelligence, precision agriculture, automated machinery etc.



Washington State University, Pullman, USA and NAHEP Project, VNMKV, Parbhani

The MoU was signed by Dr. Ashok Dhawan, Hon. Vice-Chancellor, VNMKV, Parbhani, Dr. Gopal Shinde, Principal Investigator, NAHEP Project, VNMKV, Parbhani and Dr. Asif Chaudhary, Vice President, International Cooperation, Washington State University, on July 02, 2021 for exchange of students, professors, scientists for agricultural education and research etc. The research will be done together for use of modern technologies in agriculture such as drone technology, robotics, artificial intelligence, precision agriculture, automated machinery etc.



AIT Global India Pvt. Ltd., Pune and NAHEP Project, VNMKV, Parbhani

The MoU was signed by Dr. Gopal Shinde, Principal Investigator, NAHEP Project, VNMKV, Parbhani and Shri. Vaibhav Deshpande, Vice President, AIT Global India Pvt Ltd, Pune for guidance for students, faculties of VNMKV in research, education, technology, organization of 1/2/3 week training session for students, faculties and modern technologies in agriculture such as drone technology, robotics, artificial intelligence, precision agriculture, automated machinery etc.



Cbroze, Aurangabad and NAHEP Project, VNMKV, Parbhani

The MoU was signed by Dr. Gopal Shinde, Principal Investigator, NAHEP Project, VNMKV, Parbhani and Shri. Aniket Chavan, Director, Cbroze, Aurangabad for use of modern technologies in agriculture sector like robotics, food processing machines, automated machines etc.



Aryaion Electric Vehicle, Pvt. Ltd. Pune and NAHEP Project, VNMKV, Parbhani

The MoU was signed by Dr. Gopal Shinde, Principal Investigator, NAHEP Project, VNMKV, Parbhani and Shri. Amol Budukh, Director, AryaIon Electric Vehicle, Pvt. Pune for joint research on modern technology in the field of agriculture such as electric motor operated various agricultural machines and equipment.



Saron Digitech, Hyderabad and NAHEP Project, VNMKV, Parbhani

The MoU was signed by Dr. Gopal Shinde, Principal Investigator, NAHEP Project, VNMKV, Parbhani and Mrs. Arundhati Deshpande, Director, Saron Digitech, Hyderabad for guidance for students, faculties in research, education, technology, organization of 1/2/3 week training sessions for students, faculties, software technology, App development and modern technologies in agriculture such as artificial intelligence, precision agriculture, automated machinery etc.



Swaraj Engineering, Aurangabad and NAHEP Project, VNMKV, Parbhani

MoU was signed by Dr. Gopal Shinde, Principal Investigator, NAHEP Project, VNMKV, Parbhani and Shri. Pushpagandh Gaikwad, Director, Swaraj Engineering, Aurangabad. Modern technologies in agriculture sector like agricultural machinery manufacturing, food processing machinery manufacturing, green house technology, precision agriculture etc research will be done together.

Vishwadeep Agricultural Industries, Palam & NAHEP Project, VNMKV, Parbhani

The MoU was signed by Dr. Gopal Shinde, Principal Investigator, NAHEP Project, VNMKV, Parbhani and Shri. Sambhaji Shirale, Director, Vishwadeep Krishi Udyog, Palam for use of modern technology in agriculture sector like manufacturing of agricultural machinery, automatic machinery etc.

Green Robot Machinery Pvt Ltd Bangalore and NAHEP Project, VNMKV, Parbhani

The MoU was signed by Dr. Gopal Shinde, Principal Investigator, NAHEP Project, VNMKV, Parbhani and Shri. Manohar Sambandam, Director, Green Robot Machinery Pvt. Ltd. Bengaluru for use of modern technology in agriculture like cotton picking machine, automatic machines etc.





Visit of Dr. R.C. Agrawal, National Co-ordinator, NAHEP, New Delhi to VNMKV, Parbhani



Visit of VNMKV Students to IIT, Kharagpur for Training



International Workshop on Advanced Digital Technologies in Agricultural Automation

International Workshop was held on 14 March, 2022 at VNMKV, Parbhani. Dr. Udhav V. Bhosle, Vice-Chancellor, SRTUM, Nanded and Dr. Rahul Nigam, SAC, ISRO, Ahmadabad were Chief Guest for function. Dr. Raghu Murtugudde, University of Maryland, USA was present as Guest of Honor for function. Dr. Ashok Dhawan, Hon'ble, Vice Chancellor, VNMKV Parbhani was present as Chairman of inauguration function. Dr. Penan Chinnaswamy, Scientist from IIT Mumbai, Director of Education Dr. Dharmaraj Gokhale, Director of Research Dr. Dattaprasad Waskar, Director of Extension Education Dr. Devrao Deosarkar, Registrar Dr. Dhirajkumar Kadam, NAHEP Project Principal Investigator Dr. Gopal Shinde, organized Secretary Dr. Kailas Dakhore and others were present.

In the three-day workshop, scientists from USA and well-known institutions in the country gave guidance on agricultural automation, agricultural robots, agricultural drones, use of Internet of Things in agriculture, artificial intelligence, use of information technology in agriculture, automation in food processing, automated agricultural machinery, etc. More than 100 scientists and students participated in the workshop.



Glimpses of International Workshop



Award/Medals received from other Institute (with details):

- Dr. B. V. Asewar and Dr. D. N. Gokhale awarded as Fellow of Indian Society of Agronomy, New Delhi in 5th International Agronomy Congress, Hyderabad November 23-27, 2021.
- Dr. Hanuman Garud, KVK, Khamgaon awarded Best Ph.D. Thesis Award from Indian Society of Agronomy, New Delhi in 5th International Agronomy Congress, Hyderabad November 23-27, 2021.
- Best oral presentation award and cash price of Rs. 10116/- received by Ms. Bhakti Deshmukh, M.Tech student of College of Food Technology during the meet of Association of Food Scientist and Technologist at Hyderabad June, 2021.
- Best Quiz Competition award second price of Cash Rs. 2000/- received to B.Tech student of College of Food Technology during World Food Day organised by AFSTI chapter Aurangabad and Dr.BAMU, Aurangabad.
- Dr. R. P. Kadam awarded as Fellow of Scholars Academic and Scientific Society on 14th May, 2021
- Dr. R. P. Kadam awarded with Reviewer Excellence Award on 20th January, 2022 as reviewer of Agriculture Science Digest by Agricultural Research Communication Center.
- Dr. Anant Lad Best received Oral Presentation Award National Symposium (IPS-WZ, New Delhi) 'Achieving Sustainability in Crop Production Through Alimentation and Plant Protection' 17-18 Nov., 2021 organized by College of Agriculture, Latur & Indian Phytopathological Society, New Delhi.
- Dept. of Agril. Entomology, VNMKV, Parbhani received Appreciation certificate Science Exhibition (Vidnyanwari - 2022) on the occasion of Science Day organized by VNMKV, Parbhani & Parbhani Astronomical Society on dated 28th February 2022.
- Dr. R.S. Jadhav received Excellence in Research Award of Astha Foundation ICAAAS-2021 organized by Society for Scientific Development in Agriculture and Technology MEERUT (U.P.) INDIA during 19-21 July, 2021.
- The Outstanding Thesis Award 2021 has been awarded to Dr. H. W. Awari for his Ph. D. Thesis entitled, "Estimation of reference evapotranspiration and crop water requirement using artificial neural network for semiarid region of Maharashtra"
- Dr. K.T. Apet, Dr. C.V. Ambadkar, Dr. D.K. Patil, Dr. Vishnu Gite and Dr. M.K. Ghodke received Radhakishan Shanti Malhotra Award during 23rd Convocation on October 25, 2021.

Student's qualified GATE-2021 examination conducted for PG admission at Indian Institute of Technology

Sr. No.	Name of the Student	GATE Score (Out of 1000)	Marks obtained (Out of 100)	All India Rank (AIR)
01.	Vinay Sanjay Waghmare 2017 AEPB063	456	Qualified	126

New Project Approved / Sanctioned

Sl. No.	Name of the project and institute	Sponsored by	Financial outlay, Rs.
01.	Establishment of common Incubation centre at College of Food Technology	Ministry of Food Industries, New Delhi under PMFME Scheme	3,29,50,000/-



Dr. D.N. Gokhale and Dr. B.V. Asewar awarded as Fellow of Indian Society of Agronomy, New Delhi in 5th International Agronomy Congress, Hyderabad November 23-27, 2021



Dr. Hanuman Garud awarded as Best Ph.D. Thesis Award in Agronomy on November 23, 2021



Dr. K.T. Apet, Dr. C.V. Ambadkar, Dr. D.K. Patil, Dr. Vishnu Gite and Dr. M.K. Ghodke received Radhakishan Shanti Malhotra Award during 23rd Convocation on October 25, 2021.

Awards to Faculty and Students from College of Agriculture, Latur

1. Shradha. A. Samindre, M.Sc. student received Third Prize for Poster Presentation on Heterosis studies in Okra organised by Dept. of Plant Pathology, VNMKV, Parbhani and IPS, New Delhi.
2. Dr. J. M. Deshmukh received National Icon Excellence Awards 2021 by Agrocare Group of Companies.
3. Dr. S.J. Magar received Best Poster Presentation at National Conference and IPS (WZ)2021.
4. Ramayshree P M received M.J Narsimhan Academic Merit Award of Indian Phytopathology Society West Zone at National Conference and IPS (WZ) 2021.
5. Dr. S.P. Pole received Best Oral Presentation Award in National Conference on “India’s Challenge—Contemporary Farming to Smart Farming at University Institute of Agricultural Sciences, Chandigarh University, Gharuan, Mohali, Punjab.
6. Dr. P. N. Karanjikar received Best Teacher Award-2021 sponsored by Agricultural & Environmental Technology Development Society (AETDS) U.S. Nagar, Uttarakhand, India.
7. Ms. M.J. Patnge received Young Agronomist Award-2021 by Agricultural & Environmental Technology Development Society (AETDS) U.S. Nagar, Uttarakhand, India.
8. Dr. A.P. Suryawanshi received Scroll of Honour (IPS, New Delhi) from Indian Phytopathological Society, New Delhi.
9. Dr. A.P. Suryawanshi received IPS Recognition Award for the year 2022-2023 from Indian Phytopathological Society, New Delhi.



Organisation of 23rd Convocation Ceremony of VNMKV

23rd Convocation Ceremony of VNMKV, Parbhani was organised on 25th October, 2021 which was enriched with great presence of Shri Dadaji Bhuse, Hon. Agriculture Minister, Govt. of Maharashtra. For this function, Dr. C. D. Mayee, Former Vice Chancellor and Former Chairman ASRB, Dr. Ashok Dhawan, Hon. Vice-Chancellor, Dr. Sanjay Sawant, Hon. Vice-Chancellor, Dr. BSKKV, Dapoli, Dr. Rahul Patil, MLA, Dr. K. P. Gore, Former-Vice-Chancellor, Dr. S.T. Borikar, Dr. Dharmraj Gokhale, DI and Dean (F/A), Dr. Dattaprasad Waskar, Director of Research, Dr. Devrao Devsarkar, Director Extension Education, Dr. Dheerajkumar Kadam, Registrar were also present.

In this function, Dr. D.K. Patil and Dr. V. K. Gite (2017-18), Dr. M. K. Ghodke (2018-19), Dr. K. T. Apet and Dr. C.V. Ambadkar (2019-20) were felicitated with Radhakishan Shanti Malhotra Award for outstanding work in agricultural research.

During 23rd convocation, University awarded degree to 6333 B.Sc. (Agriculture), 89 B.Sc. (Horticulture), 917 B. Sc. (Agric. Biotech), 1833 B. Tech. (Food Technology), 526 B. Tech. (Agril Engineering), 74 B. Sc. (Community Science) and 150 B. Sc. (Agri. Business Management) graduates. Similarly, 719 M. Sc. (Agriculture), 97 M. Sc. (Horticulture), 41 M. Tech. (Food Technology), 23 M. Tech. (Agril. Engineering), 18 M. Sc. (Community Science) and 80 M.B.A. (Agri.) i.e. total 978 post graduates with 72 doctorate of Agriculture, 03 in Community Science, 10 in Food Science and 12 in Agril. Engineering. The total eligible student of bachelors, masters and doctoral degrees for 23rd convocation was 0997.





Various Activities under Education

University Library

The University Library building is situated at center place in University campus. This library provides Library and information services to five colleges and all research centers in the campus. This is the single library to support the entire teaching, research and extension activities under this university and organizing a sound library complex on the main campus and linking it with outside research stations, colleges and lower education, also networking local and national network for information resources. Presently, this library is providing information network and CAB-CD ROM, Agris, FSTA CD ROM, EBSCO's Academic search premier CD-ROM database facility and openj-gate, cera.jccc.in, indiastat.com service for information services.

Reading material

(a) Books	:	88986
(b) Back volumes of periodicals	:	17142
(c) Theses, dissertations	:	9579
Total collection	:	115707

Journals

(a) Journals subscribed	:	15
(b) Journals on gratis	:	105
(c) Journals (LM)	:	18
Total journals	:	138

Library Membership

(a) Students	:	585
(b) Teaching and Other staff	:	10
(c) Temporary members	:	07
Total Library Members	:	602



e-Resources

Cera e-journals : 3162
J-gate agricultural and biological sciences e journals : 2880
Diva enterprises e-journals : 100
Subscribed e-books : 70
I-scholar e-journals : 17
Total e-journals : 6142
Indiaagristat.com-website providing statistical information

Following Databases are available in the University Library:

- **CAB-CD ROM (Coverage: 1989-2012):**

It is equivalent of CAB Abstracts, covers all aspects of agriculture, forestry and allied disciplines. The database contains over 4 million bibliographic records with abstracts in English from papers originally published in 74 languages. Eighty per cent of the Agriculture literature is covered by the CD.

- **AGRIS (Coverage: 1999-2000):**

Covers all aspects of agricultural science and technology with 135 participating countries and 24 regional/international centers, AGRIS is based on the world's most extensive network for the compilation of bibliographic data. The network is coordinated by the Food and Agriculture Organization (F.A.O.) of the U.N.

Computerized documentation and Information Service :

In the University Library at present, there are three Servers, 21 PCs, Nine printers, three scanners and Commonwealth Agricultural Bureaux CD-ROM database, AgrisCD-ROM database, Food Science and Technology Abstracts CD-ROM database, EBSCO Academic search premier CD-ROM database, Ph.D. Thesis database and JCC and cera.jccc.in, krishiprabha, openj-gate, Indiastat.com databases are available. Indices and Abstracts can be provided on Agriculture and related subjects by these databases. Full text papers are also available in some of the above databases. Researchers are provided documentation and information service by these databases. Subject-wise Indices and Abstracts are provided by printing on printer. Two 5 KVA UPS and one 10 KVA are available for back-up at the time electricity breakup. Training DVDs procured are helpful for students / faculty members.

Apart from this, internet, e-mail, OPAC, document delivery service, prevalent information dissemination service and other network services are made available to library members. For internet, intranet, CD-ROM browsing services are available at free of cost for the all readers. Daily on an average 100 readers use all the above mentioned information services. For computerizing the library services i.e. circulation, cataloguing etc, SLIM-21 software has been purchased and work on the software has been started and connected with all components of RFID

Digital Library Section:

University Librarian has purchased Digital library solution server for creating Digital library and to provide the facility to the users throughout the campus. Digital library section also provides Audio Visual Facility to the library users, university librarian purchased 76 training programme DVD's from national education and information films ltd., Mumbai.

Students Welfare

To uplift socio-economic conditions of farmers of Marathwada region, Vasantrao Naik Marathwada Krishi Vidyapeeth, Parbhani is mainly engaged in Education, Research and Extension work of Agricultural and allied subjects. At the same time, university is also working for physical, mental and intellectual development of the students admitted in various UG, PG and Ph.D. courses. This work is carried out through Student Welfare office in the uUniversity. The office is actively engaged in various activities which improve the sports, arts, leadership etc. skills of the students by organizing inter college sports tournament, inter college cultural competition and various programs of NSS. This office has excellent facility of out-door and in-door games, theater and gymnasium. This office has experienced faculty members to train students for sports and cultural activities.

Gymnasium Facility

In main campus of university, modern gymnasium facility is provided to UG, PG and Ph.D. students of five agricultural allied colleges viz; College of Agriculture, College of Horticulture, College of Community Science., College of Food Technology and College of Agricultural Engineering and Technology. Separate gymnasium facility is established at Rajmata Jijau hostel for girls' students. This facility will improve student health and physical strength and improve their performance in sports and cultural activities.

Outdoor Sport facilities

In University sports complex below mentioned sports facility are available for boys and girls students.

Sr.No.	Types of Sports/Event	No. Ground/Court
1.	Kabaddi	04
2.	Volleyball	04
3.	Kho-Kho	04
4.	Basketball	02
5.	Running Track 400 M with 10 line	01
6.	Auditorium	01
7.	Badminton court	02

Indoor games facilities

This office has excellent auditorium for all cultural activities. In-door facilities viz; Badminton, Table Tennis, Chess, Carom etc are also available for students. All inter college tournaments are regularly held at this office. These in-door facilities are utilized during all major sports event like Krida Mahotsav, Indradhanushya and Avishkar.

Youth Festival

Student Welfare Office annually organizes inter college youth festival. In inter college youth festival, there are five major categories like Folk dance, Fine art, Music, Theater, Literary. During the year 2020-21 new infrastructure in the name of "Suvarna Jayanti Dikshant Sabhagraha" was built. This infra structure will helpful for better organization of inter college youth festival in the main campus. During Covid -19 pandemic situation all the sports and cultural activities are kept on hold.

Sports Meet Organization

During Covid-19 pandemic situation, Hon. Chancellors program i.e. Krida Mahotsav, Indradhanushya, Aavhan, Avishkar and ICAR sports i.e. Agri-Unifest and Agri-Sports meet are not organized. Major inter college sports tournament are also not organized. Only one team was participated in West Zone Inter University tournament for Volleyball (Women) organized by Savitribai Phule University, Pune at Kopergaon. Few student of this University have participated in debate competition organize by G.B. Pant Agricultural University, Pantnagar through online mode.

National Service Scheme

In the year 2020-21, total 2800 volunteers were registered in 50 Agriculture and allied colleges in Marathwada region. These volunteers have conducted very useful programs which are beneficial for societies especially for rural youth, Farmers and Women. The majors program were transfer of improved agricultural technologies to farmers, tree plantation, blood donation camp, clean campus-green campus etc.

Celebration of Jayanti

This office has responsibility to celebrate all jayanties at university level. On dated 14th April, 2021 office has celebrated Bharatratna Dr. Babasaheb Ambedkar Jayanti and 19th February, 2022 was celebrated Chatrapati Shivaji Maharaj Jayanti. To impart Yoga skills in the youth, office has organized international Yoga Day on 21st June, 2021. This office has actively taken responsibilities and made all necessary arrangement of Flag Hosting viz. 26th January, 1st May, 15th August and 17th September.



University Selection Trial of Volleyball Women for west zone inter university tournament



International Yoga Day on 21/06/2021



Celebration of Shiv Jayanti on 19/02/2022



Blood Donation Camp - N.S.S. programme

Student Activities - Sports and Cultural Events



RESEARCH

The following research centers / stations / schemes are functioning in the jurisdiction of Marathwada region for conducting crop oriented research work as per agro-climatic zones.

Sr. No	Name of Research Centre / Scheme	Place	District
1.	Cotton Research Station, Mahboob Baugh Farm	Parbhani	Parbhani
2.	Regional Sugarcane Research Station	Basmatnagar	Hingoli
3.	Agriculture Research Station	Tuljapur	Osmanabad
4.	Bajra Research Station	Vaijapur	Aurangabad
5.	Fruit Research Station, Himayatbagh	Aurangabad	Aurangabad
6.	Agriculture Research Station	Badnapur	Jalna
7.	Cotton Research Station	Nanded	Nanded
8.	Banana Research Station	Nanded	Nanded
9.	Custard Apple Research Station	Ambajogai	Beed
10.	Taluka Seed Farm	Ambajogai	Beed
11.	Oilseeds Research Sub-Station	Ambajogai	Beed
12.	Water Management Research Station	Khamgaon	Beed
13.	Sweet Orange Research Station	Badnapur	Jalna
14.	Agriculture Research Station	Udgir	Latur
15.	Sorghum Research Station	Parbhani	Parbhani
16.	Seed Processing Plant	Parbhani	Parbhani
17.	Oilseeds Research Station	Latur	Latur

Similarly, following 23 All India Coordinated Research Projects are functioning in the University jurisdiction for conducting relevant research works under various crops and resource management

Sr. No	Name of AICRP	Place	District
1.	All India Co-ordinated Sorghum Improvement Project	Parbhani	Parbhani
2.	All India Network Project on Soil Biodiversity-Bio fertilizer (BNF)	Parbhani	Parbhani
3.	AICRP on Water Management	Parbhani	Parbhani
4.	AICRP on Soybean	Parbhani	Parbhani
5.	AICRP on Community Science	Parbhani	Parbhani
6.	AICRP on Long Term Fertilizer Experiment	Parbhani	Parbhani
7.	AICRP on Utilization of Animal Energy with Enhanced System Efficiency (UAE)	Parbhani	Parbhani

8.	AICRP on Arid Legumes	Parbhani	Parbhani
9.	AICRP on Arid Zone Fruits (Custard apple)	Ambajogai	Beed
10.	AICRP on Agricultural Meteorology	Parbhani	Parbhani
11.	AICRP on Oilseeds (Safflower)	Parbhani	Parbhani
12.	AICRP on Dryland Agriculture	Parbhani	Parbhani
13.	AICRP on Chickpea	Badnapur	Jalna
14.	AICRP on Pigeonpea	Badnapur	Jalna
15.	All India Co-ordinated Pearl Millet Improvement Project	Vaijapur	Aurangabad
16.	All India Coordinated Cotton Improvement Project	Nanded	Nanded
17.	AICRP on Sunflower	Latur	Latur
18.	AICRP on Breeder Seed Production	Parbhani	Parbhani
19.	AICRP on Rice	Tuljapur	Tuljapur
20.	AICRP on Integrated Farming Systems	Parbhani	Parbhani
21.	AICRP on MullaRP	Badnapur	Badnapur
22.	AICRP on Vegetable Improvement	Parbhani	Parbhani
23.	AICRP on Biological Nitrogen Fixation	Parbhani	Parbhani

Climate

The daily rainfall data recorded in each districts were collected for Marathwada region. The data collected were summed up on monthly basis and averaged over district. The onset of SW monsoon was reported during second week of June (11 to 13 June) in all districts of Marathwada. June, July, August, September and October months was recorded the more rainfall as compared to normal in all districts in Marathwada except Latur, Nanded Osmanabad & Parbhani districts whereas less rainfall as compared to normal in August month. Most parts of region the sowing rains were recorded during the June and accordingly sowings were undertaken during 15 June to first week of July. The seasonal highest rainfall 1228.4 mm in 70 rainy days and the lowest rainfall 921.4 mm in 65 rainy days were recorded in Nanded and Osmanabad districts, respectively. Over all, region recorded 1108.5 mm seasonal rainfall in 69 rainy days which was more than normal by 47.6 %. The withdrawal of monsoon was noticed during third week of October.

Rainfall : During the period of June to October 2021 in Marathwada region, 1108.5 mm rainfall was recorded and it was more than 47.6 % to the normal. Nanded and Osmanabad districts of this region recorded the highest 1228.4mm and lowest 921.4 mm rainfall, respectively.

Weather Condition at Parbhani station

Rainfall : During the period of June to October 2021 at Parbhani station, 1612.2 mm rainfall was recorded and it was more than 88.5 % to the normal.

Temperature : The average highest maximum temperature 39.8 °C was recorded during 21st SMW and lowest maximum temperature 28.1 °C in 51st SMW whereas average highest minimum temperature 25.7 °C was recorded during 20th SMW and lowest minimum temperature 9.4 °C in 51st SMW.

Relative Humidity : The average weekly morning and afternoon relative humidity ranged between 46 to 96 and 11 to 76 %, respectively.

Sunshine : The average highest sunshine hours 9.4 hrs. was recorded during 06th SMW and lowest sunshine hrs 2.2 hrs. in 39th SMW, respectively.

Wind speed : The average highest wind speed 7.8kmph was recorded during 20th SMW and lowest sunshine hours 2.1kmph in 43th SMW, respectively.

Rainfall - 2021 : The normal and actual seasonal rainfall (June to October) of all 8 domain districts of Marathwada region along with per cent deviation is as below

Sr.No.	District	Normal Rainfall	Actual Rainfall	% Deviation
1	Aurangabad	637.5	1030.4	(+) 61.6
2	Jalna	663.2	1216.0	(+) 83.4
3	Beed	638.9	1091.5	(+) 70.8
4	Latur	791.6	996.7	(+) 25.9
5	Osmanabad	685.5	921.4	(+) 34.4
6	Nanded	891.3	1228.4	(+) 37.8
7	Parbhani	838.9	1194.8	(+) 42.4
8	Hingoli	859.6	1188.4	(+) 38.3
Region Avg.		750.8	1108.5	(+) 47.6

Gramin Krishi Mausam Sewa (GKMS)

“Gramin Krishi Mausam Sewa (GKMS)” Scheme is working under VNMKV, Parbhan. District Agromet Advisory Bulletin (AAB) is regularly preparing on every Tuesday and Friday Nine blocks in Parbhani district & Six districts of Marathwada region.

1. 104 AAB were prepared for all 06 districts in Marathwada region & 09 blocks in Parbhani district and disseminated to the farmers by direct contact and through various platform of mass media communication during the 2021-22.
2. The Agromet Advisory Bulletin was broadcasted daily on all India Radio of Parbhani, Nanded and Beed for respective districts.
3. The same Agromet Advisory Bulletins was disseminated to all farmers club through different KVK's of Marathwada.
4. It was also sent through SMS on farmers mobile by KVK's of Marathwada.
5. AAB was also available on IMD Website (www.imdagrimet.gov.in) and on VNMKV, Parbhani Website www.mkv2.mah.nic.in or <http://www.vnmkv.ac.in>.
6. AAB was also disseminated to the farmers by Whats app, university Blog, SMS by mkisan, Facebook, SMS by Mahindra Kisan and Reliance foundation etc.
7. 12,66,833 farmers in Marathwada benefitted through Mkisan portal by AMFU Parbhani

Research Findings-2021

Vasantrao Naik Marathwada Krishi Vidyapeeth, Parbhani hosted the Joint Agricultural Research Committee Meeting (JOINTAGRESCO) during December 24-30, 2021 in Online mode in collaboration with all State Agricultural Universities of Maharashtra and Maharashtra Council of Agricultural Education and Research, Pune. The details crop varieties and implement released along with specific recommendations on production technology, rainwater management, value addition based on research work are as under,

Release of Variety:

1. *Rabi Jowar Hurda (Parbhani Vasant PVRSG 101)*

The Hurda purpose *Rabi* sorghum variety PVRSG 101 recorded higher tender grain and green fodder yield over the check varieties SGS 8-4, Phule Madhur and PKV Ashwini. The grains are tender, sweet and easily threshable. It is moderately tolerant to insect pests like shoot fly, stem borer and disease charcoal rot. The Hurda purpose sorghum variety Parbhani vasant (PVRSG 101) is recommended for release in *Rabi* sorghum growing areas of Marathwada region.

2. *Soybean (MAUS 725)*

Soybean variety MAUS 725 recorded higher seed yield over local and national checks. It was found moderately resistant to various pests and diseases. Hence, the soybean variety MAUS 725 is recommended to release for cultivation in Marathwada region.

3. *Safflower PBNS 154 (Parbhani Suvarna)*

The variety of safflower PBNS 154 (Parbhani Suvarna) recorded 23.62 % and 27.69% higher seed yield over checks PBNS-12 and Shrdha, respectively. The variety has 30.90% oil content and tolerant to *Alternaria* leaf spot, moderately resistant to *Fusarium* wilt diseases and Aphid pests. Therefore, PBNS 154 (Parbhani Suvarna) is released under rainfed condition for Marathwada region.

Implement Released :

1. Design and Development of Tractor Drawn Inter-Cultivator Cum furrow opener and Sprayer with slim tyre

VNMKV tractor operated Inter- Cultivator Cum furrow opener and Sprayer with slim tyre is recommended for inter cultivation, reopening of furrow and insecticide spraying at a time .

2. Development Bullock drawn Bed Maker

VNMKV developed Bullock drawn bed maker is recommended for release for making broad bed of 2 to 5 ft. wide.

3. Development of single bullock drawn Ridger

VNMKV developed Single Bullock drawn Ridger is recommended for release for making ridge and furrow in all type of crops.

4. Design and Development of Cutting Mechanism of Flail Mower

VNMKV developed Flail Mower is recommended for cutting of Grass from open grounds barren lands and weed infested fields

5. Design and Development of manually operated Vegetable Transplanter

VNMKV developed manually operated vegetable transplanter is recommended to release for transplanting of Vegetable crops

6. Design, Development and Performance Evaluation of Hand Operated Fresh Sweet Corn Sheller

VNMKV developed hand operated fresh sweet corn sheller of capacity: 8 kg/h and 97 % shelling efficiency is recommended to release for shelling fresh sweet corn kernels.

7. Design and development of bullock drawn multipurpose mobile solar energy cart

VNMKV developed multipurpose bullock drawn mobile solar energy cart is recommended for release for spraying of pesticide and weedicide in different crops up to the height of 180 cm, for spraying in orchard crops up to 300 cm, for water lifting from 10 to 40 m head and generation of electricity for lighting of electrical gadgets up to 500 W.

Technologies recommended

1. To get higher hurda, green fodder yield and monetary returns from hurda sorghum in summer season, it is recommended to complete the sowing up to 8th January in Marathwada region.
2. The following Stepwise regression equation showing the inter-relationship between yellow vein mosaic virus disease in okra and weather parameters is recommended for forewarning of yellow vein mosaic disease incidence during Summer season in the Marathwada region.

$$YVMV (\%) = -25.181 + 4.255 \times T_{min} - 1.040 \times RH1 + 6.567 \times WV$$

Where,

YVMV= Yellow Vein Mosaic Virus disease incidence (%), T_{min} = Minimum temperature ($^{\circ}C$), RH1=Morning relative humidity (%) and WV=Wind velocity (Km/h)

3. The enhancement of drought tolerance, yield, monetary return and improvement in soil properties under wheat, seed treatment of liquid *Bacillus licheniformis* @ 100ml / 10 kg seed was found as promising for drought tolerance along with recommended dose of fertilizers and is recommended to rainfed wheat.
4. Very deep Vertisols (Typic Haplusters) contain $CaCO_3$ less than 15 per cent should be selected for sustainable and higher production of tamarind in Marathwada region of Maharashtra is recommended.
5. For the enhancement of pigeon pea yield, monetary returns and improvement in soil properties, seed treatment of liquid *Pseudomonas striata* as zinc solubilizer @ 100 ml/10 kg seed + application of 30 kg $ZnSO_4$ ha⁻¹ is recommended to pigeon pea along with recommended dose of fertilizers.
6. In Vertisol of Marathwada region, to get maximum yield and monetary returns of pigeon pea, application of K_2O and micronutrient grade-I @ 25 kg ha⁻¹ or micronutrient grade –II @ 0.5% at flowering stage is recommended in addition with recommended dose of fertilizer (i.e.25:50 N and P_2O_5 kg ha⁻¹).
7. To obtain higher grain yield and net monetary returns, it is recommended to apply 100 % RDF (80:50:50 Kg/ha) + Soil Application of Micronutrient Grade - I (25 kg/ha) or RDF 100 % (80:50:50 Kg/ha)+ Foliar Application of Micronutrient Grade-II (0.5 %) (2 Sprays at 30 & 50 DAS) for upland paddy in Marathwada region.
8. It is recommended to apply the 75 % RDF + FYM 5 t/ha to obtain highest rice grain yield and monetary returns and to obtain higher rice equivalent yield and monetary returns it is recommended to follow rice + soybean (3:2 in replacement series) intercropping system or rice + black gram (3:2 in replacement series) intercropping system for Marathwada region.

Varieties Released



Soybean - MAUS 725



Sorghum - Parbhani Vasant (PVRSG 101)



Safflower - Parbhani Suvarna (PBNS 154)

Implements Released



Multipurpose Mobile Solar Energy Cart



Animal Drawn Bed Maker



Single Bullock Drawn Ridger



Cutting Mechanism of Flail Mower



Tractor Drawn Inter- Cultivator Cum Sprayer For Soybean and Cotton with slim tyres



Manually Operated Vegetable Transplanter

Technologies Recommended



Cotton + Soybean Intercropping



Complete Mechanization in Soybean



Summer Onion on Bed Plantation



Pigeonpea on Drip Irrigation



Paired Row Bt Cotton



Paddy + Soybean with Nutrient Management

Technologies Recommended



Nutrient Management in Wheat



Ajwain - AA-2



Fennel - F1



Silver Black Poly Mulching for Brinjal



Poly-packing for Soya Paneer



Carrot Slices for RTE

Technologies Recommended



Broccoli Soup Powder



Probiotic Juice of Carrot + Tomato



Linseed Cookies



Date Contained Chocolate Bar



Guar Gum Contained Pizza Souce



Cold Drink with Kiwi Fruit Juice + Lemon Grass

9. To obtain higher fodder yield and monetary returns from kharif forage sorghum, the application of fertilizer dose 100:50:50 NPK kg ha⁻¹ (50:50:50 N:P:K kg ha⁻¹ as basal dose and 50 N kg ha⁻¹ 30 DAS) is recommended for Marathwada region.
10. Soybean + pigeonpea (4:2) and Cotton + Soybean (1:1) biannual cropping system in rotation is recommended for rainfed area of Marathwada region to obtain higher seed / grain yield. The conventional tillage with RDF (50%) + FYM (@2.5 ton/ha) is also recommended for Soybean + pigeonpea (4:2) intercropping system. Similarly, the conventional tillage with RDF is recommended for Cotton + Soybean (1:1) intercropping system for obtaining higher yield as well as to improve the soil health and organic carbon.
11. Complete mechanisation along with Broad bed and furrow (BBF) method of sowing for soybean-safflower sequence cropping is recommended for obtaining higher seed yield, monetary returns and proper rainwater conservation.
12. Sowing of pigeonpea at crop geometry of 60-120cm x 20cm or 90cmx20cm with foliar application of Brassinosteroids @ 0.1 ppm OR NAA @ 40 ppm, at bud initiation and flowering stage of pigeonpea is recommended for higher seed yield along with maximum economic returns.
13. For higher bulb yield and net monetary returns of summer onion in Marathwada region it is recommended to schedule alternate day drip irrigation at 60 % crop evapo-transpiration through inline lateral laid at the centre of raised bed having six rows of onion planted at the spacing of 15 x 7.5 cm and drip fertigation of 80:40:40 N, P₂O₅, K₂O kg ha⁻¹ with N and K₂O in 10 equal splits @ 8 kg and 4 kg respectively and P₂O₅ in 5 equal splits @ 8 kg ha⁻¹ at an interval of 7 days from transplanting to 70 days after transplanting.

Irrigation schedule for summer onion as per 0.6 ETc along with the volume of water required per plant (litre) and operating time for drip irrigation system with discharge rate of 2.4 lph and inline lateral of 16 mm diameter with emitters spaced at 30cm.

M.W	Week After Sowing for irrigation	Volume of water required plant ⁻¹ (litre)	Operating time (min.)	Weekly Temperature °C	
				Max.	Min.
3	Sowing to 1 st Week	0.023	14	30.3	12.2
4	In 2 nd WAS	0.024	14	30.4	12.1
5	In 3 rd WAS	0.026	16	30.0	11.1
6	In 4 th WAS	0.025	15	30.1	12.9
7	In 5 th WAS	0.043	26	32.0	13.4
8	In 6 th WAS	0.068	41	34.9	15.1
9	In 7 th WAS	0.070	42	34.5	14.7
10	In 8 th WAS	0.067	40	35.2	16.3
11	In 9 th WAS	0.074	44	35.4	18.6
12	In 10 th WAS	0.071	42	37.2	17.8
13	In 11 th WAS	0.078	47	39.5	19.2
14	In 12 th WAS	0.068	41	39.5	20.7
15	In 13 th WAS	0.061	37	40.1	21.5
16	In 14 th WAS	0.047	28	40.3	22.2
17	In 15 th WAS	0.050	30	42.0	22.5

The fertigation schedule along with the quantity of water soluble fertilizers required is given below:

Sr. No.	Days after transplanting (DAT)	Fertilizer dose (80:40:40 N, P ₂ O ₅ , K ₂ O kg/ha)			Water soluble fertilizers (kg/ha)		
		N	P	K	Urea	12:61:0	0:0:50
1.	0-7	8	8	4	13.95	13.11	8
2.	8-14	8	8	4	13.95	13.11	8
3.	15-21	8	8	4	13.95	13.11	8
4.	22-28	8	8	4	13.95	13.11	8
5.	29-35	8	8	4	13.95	13.11	8
6.	36-42	8	-	4	17.36	-	8
7.	43-49	8	-	4	17.36	-	8
8.	50-56	8	-	4	17.36	-	8
9.	57-63	8	-	4	17.36	-	8
10.	64-70	8	-	4	17.36	-	8
Total		80	40	40	156.55	65.55	80

14. For higher seed yield and net monetary returns of pigeonpea in Marathwada region, it is recommended to schedule alternate day drip irrigation at 80 % crop evapotranspiration for the crop sown at the spacing of 150 x 30 cm through inline lateral laid at 150 cm apart and drip fertigation of 20:40:20 NPK kg ha⁻¹ in ten splits through WSF out of which 20 % N and 40 % P in two splits at 0-30 DAS, 30% N, P and 25 % K in three splits at 31-60 DAS, 30 % N, P and 40% K in 3 splits at 61-90 DAS and 20% N and 35 % K in two splits at 91-120 DAS.

M.W	Week After Sowing for irrigation	Volume of water required plant ⁻¹ (litre)	Operating time (min.)	Weekly Temperature ° C	
				Max.	Min.
26	Sowing to 1 st Week	0.46	12	33.2	22.8
27	In 2 nd WAS	0.46	12	32.3	22.9
28	In 3 rd WAS	0.52	15	31.2	22.6
29	In 4 th WAS	0.55	16	31.9	22.6
30	In 5 th WAS	1.23	34	30.6	22.4
31	In 6 th WAS	1.39	35	31.1	22.1
32	In 7 th WAS	1.30	33	30.2	22.2
33	In 8 th WAS	1.16	29	29.5	21.7
34	In 9 th WAS	1.78	51	30.6	21.4
35	In 10 th WAS	2.27	59	30.7	21.4
36	In 11 th WAS	2.55	64	31.7	21.2
37	In 12 th WAS	2.96	74	31.5	21.4
38	In 13 th WAS	2.34	58	31.5	21.8

M.W	Week After Sowing for irrigation	Volume of water required plant ⁻¹ (litre)	Operating time (min.)	Weekly Temperature ° C	
				Max.	Min.
39	In 14 th WAS	3.43	86	32.2	21.3
40	In 15 th WAS	3.87	100	33.2	20.6
41	In 16 th WAS	3.72	97	32.7	19.3
42	In 17 th WAS	4.01	107	32.3	19.1
43	In 18 th WAS	3.85	96	32.1	18.9
44	In 19 th WAS	3.65	91	31.9	16.9
45	In 20 th WAS	3.11	78	32.0	15.0
46	In 21 th WAS	2.58	64	32.0	14.1
47	In 22 nd WAS	2.19	58	31.1	15.2
48	In 23 rd WAS	1.85	49	30.0	13.7
49	In 24 th WAS	1.22	33	30.5	12.7
50	In 25 th WAS	0.69	19	29.9	14.8
51	In 26 th WAS	0.76	19	28.1	11.2

Irrigation schedule for pigeonpea as per 0.8 ETc along with the volume of water required per plant (litre) and operating time for drip irrigation system with discharge rate of 2.4 lph and inline lateral of 16 mm diameter with emitters spaced at 30cm.

Note : Irrigation may be scheduled on alternate day.

The fertigation schedule along with the quantity of soluble fertilizer required is given below

Duration (Days)	No. of splits	Time of application	Fertilizer dose (20:40:20 NPK Kg/ha)			Soluble fertilizers (kg/ha)		
			N	P	K	Urea	12:61:0	0:0:50
01-30	2	10 and 20 DAS	4	16	-	1.86	13.11	-
31-60	3	31, 40 and 50 DAS	6	12	5	7.89	19.67	10
61-90	3	61, 70 and 80 DAS	6	12	8	7.89	19.67	16
91-120	2	91 and 110 DAS	4	0	7	8.68	-	14
Total	10	-	20	40	20	26.32	52.45	40

15. Cultivation of Carom seed (Ajwain) cv. AA-2 is recommended for gaining higher yield and net return in Marathwada condition during Rabi season.
16. Cultivation of Fennel (Saunf) cv. AF-1 is recommended for gaining higher yield and net return in Marathwada region during Rabi season.
17. Silver Black Polythene mulch is recommended for gaining higher yield and net return in Brinjal during summer season under Marathwada condition.
18. It is recommended to prepare most acceptable and medicinally healthy Shrikhand, as per method developed by VNMKV, Parbhani by incorporation of encapsulated curcumin @ 0.04 per cent of Chakka.

19. VNMKV, Parbhani developed technology for preparation of kurdai from wheat batter (PBN-51) using paneer whey as soaking agent for 4 days at room temperature is recommended
20. For preparation of chocolate coated date moth bean bar use of 50% dark chocolate, 40% date paste and 10% moth bean malt and storing it at 50C up to 60 days is recommended.
21. Use of rice flour, horse gram malt, sugar, carrot powder and milk powder in the proportion of 60:20:10:5:5 for preparation of low density rice based nutrifood is recommended.
22. It is recommended that good quality acceptable probiotic beverage can be prepared by carrying out 20 hours fermentation of carrot and tomato juice (70:30 and 160Bx) inoculated using 10 percent mixed culture of *Lactobacillus acidophilus* and *Saccharomyces boulardii* (1:1).
23. Preparation of good quality instant Broccoli tomato soup mix by using mainly 15 percent broccoli powder and 45 percent Tomato powder is recommended.
24. It is recommended that good quality nutra cookies prepared by using mainly refined wheat flour and roasted flaxseed flour in the ratio of 90:10.
25. It is recommended to prepare good quality kiwi fruit - lemongrass RTS beverage by using kiwi fruit juice and lemongrass concentrated extract 10:2 proportion which has considerable ascorbic acid content.
26. It is recommended to prepare the noodles with improved nutritional and sensory qualities by using 90 per cent composite flour (70% wheat flour+30% sorghum flour) blended with 10 per cent chia seeds powder.
27. It is recommended that the pet dog food crackers should be prepared by incorporation of 15% Guar Meal Protein Isolate to have higher protein content and palatability as per single bowl test.
28. Preparation of Pizza Sauce having higher acceptability and high content of dietary fibre using 7% partially hydrolyzed guar gum (PHGG) is recommended.
29. It is recommended that families need to involve grandparents in caring grandchildren as they are found to be playing vital role in child upbringing and which in turn enabling grandparents to lead happy, contented and dignified life.
30. It is recommended that intensive workshops have shown positive influence on anganwadi workers for enhancing their knowledge in the area of early childhood development and for their effective role performance, hence such effective and intensive workshops are recommended for their empowerment.
31. As intervention imparted by VNMKV found to be effective for empowering rural young women on reproductive, maternal and child health care is recommended for the use by the Dept. of women and child welfare.
32. Protein and Energy rich ready to use 100g nutridense mix (Wheat flour, Soyabean flour, Groundnut, Sunflower seeds, Skimmed milk powder and Sugar 20:20:10:20:20:10 respectively) is recommended to include in daily diet of underweight women in the form of Roti, Lapsi and Biscuits for gaining weight.
33. The set of VNMKV developed objective type tests are recommended for assessing managerial skill of homemakers related to time, money and human energy.
34. It is recommended that ecofriendly dye from waste and dry petals of red rose flowers can be utilized for dyeing cotton fabric
35. For management of pod borer complex of pigeonpea and getting higher yield with monetary returns, the spraying of *Bacillus thuringiensis* @ 20 gm in 10 litre of water at 50% flowering stage and second spraying at pod development stage are recommended.

36. Based on optical properties of plastic mulches 30 micron silver-black plastic mulch is recommended for controlling soil temperature and weed infestation of summer vegetable crops in vertisol.
37. VNMKV developed low cost packaging technology is recommended of applying an edible coating (6% Whey Protein Concentrate, 5% Glycerol 1% Potassium Sorbet Solution) on soypaneer and store it in vacuum packaging (LDPE 200 gauge) at refrigerated condition ($5 \pm 1^{\circ}\text{C}$) to enhance the shelf life of soypaneer up to 22 days.
38. VNMKV developed combo-process technology is recommended for the production of steam blanched (2 min), freeze –thaw pretreated (freezing temperature : 25°C and thawing temperature : 5°C) osmo-convectively dried (syrup concentration : 50°Brix , syrup temperature : 50°C , immersion time : 4 h; tray drying temperature : 60°C) RTE carrot slices.
39. Meteorological week wise reference evapotranspiration (mm/day) and GIS spatial maps developed by VNMKV for all tahsils of Marathwada region are recommended for irrigation planning and Scheduling.
40. It is recommended that State Department of Agriculture (Govt. of Maharashtra) should organize training programmes for TSP beneficiaries on turmeric production technology, processing and marketing to get maximum returns.
41. Use of social media among the extension personnel of the Marathwada region for extension purpose is increasing, hence it is recommended to establish a media lab at the university level for quick and effective production of agricultural technology based videos as per the demand of farmers and which are useful to share through social media.
42. Use of social media among the extension personnel of the Marathwada region for extension purpose is increasing, hence it is recommended that Vasantao Naik Marathwada Krishi Vidyapeeth, Parbhani should organise training programme on effective use of social media and e-content development in local language for dissemination of agricultural technology.
43. To forecast the soybean prices in latur market, it is recommended to use SARIMA time series model of order (0, 1, 3)(0, 1, 1)₁₂.
44. It is recommended that the APMCs in Maharashtra should have the strong mechanism for price forecasting which will be helpful for the producers to make appropriate decision of marketing to get benefit of better prices as well as area allocation under the respective crop.



Eco-friendly Cloth Preparation



Tribal Gond Art for Cloth Preparation

Organization of Trainings/ Crop Days/ Field Days / Farmers Rally

1. A new Trichoderma Bio Control Agent Production Unit at Sorghum Research Station, Parbhani was inaugurated at the hands of Dr. Ashok Dhawan, Hon. Vice-Chancellor, VNMKV, Parbhani on 13th April, 2021 in the auspicious presence of Dr. Dattaprasad Waskar, Director of Research. At this unit, 'Tricoboost' - mixture of Trichoderma herzianum and Trichoderma asperellum (viridae) is be made available to the farmers in both liquid and powder form. In this programme, leaflet viz. Trichoderma- Shetkaryansathi Ek Vardaan was published at the hands of dignitaries. For this function, Dr. L. N. Jawle, Dr. V.M. Gholve, Dr. K.T. Apet, Dr. S.P. Mehtre, Dr. S.M. Umate, Dr. S.B. Ghuge, Dr. Mohd. Ilyas, Dr. G.M. Kote, Prof. Pritam Bhutda were also present.
2. Vasantrao Naik Marathwada Krishi Vidyapeeth, Parbhani and Department of Agriculture (MS) jointly organized Kharif Farmers Rally on 18th May, 2021 on the occasion of 49th University Foundation Day. Due to COVID-19 pandemic, Online Kharif Farmers Rally was organized through Zoom application and Youtube. The rally was inaugurated at the hands of Hon. Shri Vijay Anna Borade, Renowned Agriculture Expert. This programme was presided over by Dr. Ashok Dhawan, Hon. Vice-Chancellor, VNMKV, Parbhani with auspicious presence of Dr. Prashantkumar Patil, Hon. Vice-Chancellor, MPKV, Rahuri and Dr. Lakhan Singh, Director, ATARI, Pune. In this programme, Dr. Dharmraj Gokhale, Director Instructions and Dean, Dr. Dattaprasad Waskar, Director of Research, Dr. Devrao Deosarkar, Director of Extension Education, Shri. Santosh Alse, District Superintendent Agriculture Officer, Parbhani, Dr. V. B. Kamble Chief Extension Officer also participated. In this programme, Mobile App for Women Farmers developed by scientists from College of Community Science, Parbhani was inaugurated at the hands of Dr. Ashok Dhawan, Hon. Vice-Chancellor, VNMKV, Parbhani. University scientists guided the participants regarding Kharif crop production technologies. Large number of farmers were participated in Online Shetkari Melava.
3. AICRP on Utilization of Animal Energy and Directorate of Sorghum Research, Hyderabad jointly organized Agriculture Implements Distribution and Training Programme under Tribal Sub Plan on 1st June, 2021. This programme was presided by Dr. Ashok Dhawan, Hon. Vice-Chancellor, VNMKV, Parbhani in the auspicious presence of Dr. Dattaprasad Waskar, Director of Research, Shri. Ranjeet Patil, Registrar, Smt. Deeparani Devatraj, Comptroller, Dr. Uday Khodke, Associate Dean and Principal, CAET, Parbhani. For this programme, Dr. Smita Solanki, Principal Investigator, Dr. Rahul Ramteke, Head, Dr. K. R. Kamble, Officer In Charge, Sorghum Resrach Station, Dr. L. N. Jawle were also present. Agriculture implements were distributed to the tribal farmers from Asvali Harsh Village, Tq. Trimbak Dist. Nasik by following COVID 19 guidelines. The manually operated, bullock drawn and tractor drawn implements viz. Seed drill, Hoes, Grading machine, Thresher and Floor mill were distributed to reduce drudgery of farming community.
4. Vermi-compost Unit at Cattle Cross Breeding Project, VNMKV, Parbhani was inaugurated on 3rd June, 2021 at the hands of Dr. Ashok Dhawan, Hon. Vice-Chancellor, VNMKV, Parbhani. For this programme, Dr. Dattaprasad Waskar, Director of Research, Dr. Gajendra Londhe, Head, Dr. Hirakant kalpande, Dr. Mahesh Deshmukh, Dr. Dineshsingh Chauhan were present.
5. AICRP on Utilization of Animal Energy, VNMKV, Parbhani organized One Day Training Programme on installation and operating of BBF on 5th June, 2021. This training programme was inaugurated at the hands of Dr. Dattaprasad Waskar, Director of Research. For this programme, Dr. Uday Khodke, Associate Dean and Principal, CAET, Parbhani, Shri. Mangesh Deshmukh, Progressive Farmer, Dr. Rahul Ramteke, Dr.

Programmes Organized



Farmers Rally under NICRA Programme



Distribution of Sprinkler Sets to under SCSP Programme



Visit of University Scientist to Bamboo Plantation



Visit of Retired Engineers to Bamboo Plantation



Visit of Dr. V.M. Bhale, Hon. Vice-Chancellor
Dr. PDKV, Akola



- Smita Solanki, Dr. Narkhede, Dr. Ashok Jadhav, Dr. S.P. Mehtre, Dr. Khargkharate, Dr. Anil Gore, Dr. Madan Pendke were also present. Farmers, Tractor drivers participated in training programme.
6. Sorghum Research Station, VNMKV, Parbhani organized Seed Distribution Programme under Front Line Demonstration at Umri village Tq. Dist. Parbhani on 15th June, 2021. In this programme, seed of Kharif sorghum variety Parbhani Shakti, Seed Treatment Material and Trichoderma were distributed to farmers. This programme was presided by Shri Sudamrao Gore, Adhyaksha, Tanta Mukti Samitee in the auspicious presence of Dr. K.R. Kamble, Officer In Charge, Sorghum Research Station. For this programme, Shri Prakashrao Gore, Sarpanch, Shri Raghunathrao Mane, Progressive farmer, Dr. V.M. Gholve, Prof. Pritam Bhutda and farmers from Umri village were also present.
 7. Vasantrao Naik Marathwada Krishi Vidyapeeth, Parbhani and Department of Agriculture jointly organized online Rabi Farmers Rally on 17th September, 2021 on the occasion of Marathwada Mukti Sangram Din. This Rabi Farmers rally was organized through Zoom application and Youtube due to COVID-19 pandemic. This programme was inaugurated at the hands of Dr. Yogendra Nerkar, Former Vice-Chancellor, MPKV, Rahuri. This programme was presided over by Dr. Ashok Dhawan, Hon. Vice-Chancellor, VNMKV, Parbhani in the auspicious presence of Dr. Lakhan Singh, Director, ATARI, Pune. In this function, Dr. Dattaprasad Waskar, Director of Research, Dr. Dharmraj Gokhale, Director Instructions and Dean, Dr. Devrao Deosarkar, Director of Extension Education, Shri. Santosh Alse, District Superintendent Agriculture Officer, Parbhani along with Scientists, Farmers, Agriculture department and University officials participated in large number. University Scientists guided the farmers on production technologies of rabi crops.
 8. Central Institute for Cotton Research and Cotton Research Scheme, VNMKV, Prbhani jointly organized One Day Webinar on Cotton Pink Bollworm Management on 17th October, 2021 at Babhulgaon Tq. Pathari Dist. Parbhani. The programme was presided by Mrs. Shubha Thakur, Joint Secretary (Crops), Ministry of Agriculture, Cooperation and Farmers Welfare, New Delhi with auspicious presence of Dr. R. K. Singh, DDG, ICAR, New Delhi In this webinar, Dr. Dattaprasad Waskar, Director of Research, Dr. A. S. Jadhav, Officer Incharge, Dr. Vishlesh Nagrale, Project Coordinator, Dr. D. D. Patait, Asstt. Entomologist were addressed the participants. More than 100 beneficiaries farmers of IRM project were participated in this webinar.
 9. Directorate of Research and Soybean Research Scheme, VNMKV, Parbhani jointly organized Online Workshop on Summer Soybean Seed Production on 2nd December, 2021. The function was presided by Dr. Ashok Dhawan, Hon. Vice-Chancellor, VNMKV, Parbhani in the auspicious presence of Dr. Neeta Khandekar, ICAR-Indian Institute of Soybean Research, Indore, Dr. Dattaprasad Waskar, Director of Research, Dr. Virendrasingh Bhatiya, Former Director, IISR, Indore, Dr. S. P. Mehtre, Officer InCharge, Soybean Research Scheme, VNMKV, Parbhani. During technical session, Dr. Santosh Nichal explained the importance of summer soybean seed production and selection of varieties was explained by Dr. Milind Deshmukh. Dr. S. P. Mehtre explained production technology and pest and disease management of summer soybean was explained by Dr. Rajendra Jadhav and Dr. Vikram Gholve. Similarly, Dr. Khizer Baig explained harvesting and storage techniques of summer soybean. More than 1000 participants which includes officials from Mahabeej, State Seed Cetification Department, KVKs, State Agriculture Department, members of Seed producing companies and farmers were joined this webinar.

Programmes Organized



10. Vasantrao Naik Marathwada Krishi Vidyapeeth, Parbhani and Krishi Vigyan Kendra, Ghatkheda Dist. Amravati jointly organized Tribal Farmers Rally under Tribal Sub Plan, AICRP on Utilization of Animal Energy, VNMKV, Parbhani on 11th December, 2021 at Lavada village, Tq. Dharni Dist. Amravati. The function was presided by Dr. Ashok Dhawan, Hon. Vice-Chancellor, VNMKV, Parbhani in the auspicious presence of Dr. Vilas Bhale, Hon. Vice-Chancellor, Dr.PDKV, Akola, Shrimati Vasudhatai Deshmukh, Former Minister for State, Shri Rajkumar Patel, MLA, Padmashri Dr. Ravindra Kolhe, Padmashri Shrimati Rahibai Popre, Dr. Maharani Din, Project Coordinator, Shri Anil Kharchan, DSAO, Amravati, Dr. Dattaprasad Waskar, Director of Research, Dr. Rajendra Gade, Director Extension Education, Dr.PDKV, Akola, Sahkar Maharshi Shri. Nanasaheb Bhise, Shri. Kevalram Kale, Ex-MLA, Dr. Smita Solanki, Dr. Atul Kalaskar. In this programme VNMKV developed bullock drawn and manual agricultural implements were distributed. More number of farmers were participated in the rally.
11. Directorate of Extension Education, Krishi Vigyan Kendra, Tuljapur and Maharashtra Rajya Gramin Jivannotti Abhiyan (UMED) jointly organized online Mahila Shetkari Melawa on the occasion of Savitribai Phule Jayanti, on 3rd January, 2022 through Zoom application. Function was presided over by Dr. Devrao Deosarkar, Director of Extension Education, VNMKV, Parbhani and Dr. Lakhan Singh, Director, ATARI, Pune was the chief guest of the function. For this function, Mrs. Vanita Tambake, Director, Priyadarshani Mahila Sahayata Samuh, Akkalkot Dist. Solapur, Mrs. Pranjal Shinde, Director, District Rural Development Agency, Progressive farmer Mrs. Shailaja Narwade and Prof. Lalasaheb Deshmukh, Programme Coordinator, KVK, Tuljapur were also present. Lagre number of women farmers, scientists were attended the online Shetkari Melawa.
12. Insecticide Resistance Management Technology Dissemination Project, Cotton Research Scheme and Gramin Krishi Mousam Seva Project,VNMKV, Parbhani jointly organized One day farmer training and awareness programme at Peth Babhalgaon Tq. Pathri Dt. Parbhani on 3rd January, 2022. The programme was presided over by Dr. Dattaprasad Waskar, Director of Research and Dr. Ashok Jadhav, Deputy Director of Research, Dr. Kailas Dakhore, Project Coordinator, GKMS, Dr. Digambar Patait, Project Co-ordinator IRM & Asstt. Entomologist, Village Development Officer, Mr. Ghumre were present for the programme. The training programme provided in-depth information to the farmers about the management of pink bollworm and planning of farming according to the weather forecasting from sure sources. They also gave information about the mobile application like, Damini and Meghdoot, which give early warning of lightning strike. Progressive Farmer Shri. Babasaheb Raner, Mrs. Ujwala Raner, Mr. Manchakrao Raner, Mr.Rushikesh Aundhekar, Mr. Munjaji Dharme, Mr. Deepak Giram etc. along with large number of farmers and women farmers attended the programme.
13. Farmer Awareness Programme was organised by AMFU-Parbhani on 6th January, 2022 on “Importance of Agromet Advisory Services for farmers” in collaboration with Krishi Vigyan Kendra, Tondapur, Tal. Kalamnuri, Dist. Hingoli. For this programme, Dr. Kailas Dakhore Principal Nodal Officer, GKMS, Parbhani, Dr. P.P. Shelke Senior Scientist and Head KVK, Hingoli, Shri. Pramod Shinde, Research Associate Shri. A.R. Shaikh and D.R. Bobade, Agromet Observer, KVK Staff members were present. Large number of farmers attended the programme.
14. Seed Technology Research and Breeder Seed Unit and Indian Seed Science Institue, Mau, Madhya Pradesh under Tribal Sub Plan jointly organized Seed Production Training and Input Distribution Programme for tribal farmers of Talegaon village, Tq. Umri Dist. Nanded on 14th February, 2022. Function was presided

Programmes and Activities



- over by Dr. Ashok Dhawan, Hon. Vice Chancellor, VNMKV, Parbhani and Dr. Dattaprasad Waskar, Director of Research was the chief guest of the function. For this function, Dr. K.S. Baig, Associate director (Seed), Dr. S. B. Ghuge, Dr. S. P. Mehtre, Dr. Smita Solanki, Shri. Sanjay Kulkarni, Shri. Madhavrao Jadhav, Shri. Suresh Deshmukh, Sarpanch, Shri. Ayub Khan, Dr. Amol missal, Dr. Anand Daunde were also present. In this Programme, seven sprinkler irrigation sets were distributed at the hands of dignitaries to tribal farmers of Talegaon village. Large number of farmers participated in this programme.
15. All India Coordinated Research Project on Dryland farming organized Farmers Rally under National Initiatives on Climate Resilient Agriculture (NICRA) at Ujalamba village Tq. Dist. Parbhani on 15th February, 2022. The farmers rally was inaugurated by Dr. Dattaprasad Waskar, Director of Research and Dr. Sandip Jagtap, TAO, Parbhani was the chief guest. For this function, Dr. Wasudev Narkhede, Chief Scientist, Dr. Madan Pendke, Shri. Kailas Gaikwad, Agril. Officer, Shri. Vitthal Dhotre, Sarpanch, Ujalamba, Shri. Ganesh Dalve, Sarpanch, Babhulgaon were also present. Large number of farmers participated in this programme.
 16. Organic Farming Research and Training Centre, VNMKV, Parbhani organized 30 Days State level Online Training Programme for farmers during 15th February to 31st March, 2022. This online training programme was inaugurated by Dr. K. B. Kathiria, Hon. Vice Chancellor, Anand Agricultural University and Gujarat Organic Agricultural University, Anand, Gujarat. The inaugural function was presided over by Dr. Ashok Dhawan, Hon. Vice Chancellor, VNMKV, Parbhani and Dr. Vyankatrao Mayande, Former Vice Chancellor, Dr. PDKV, Akola, Dr. Rajaram Deshmukh, Former Vice Chancellor, MPKV, Rahuri were the chief guests. For this function, Dr. Dattaprasad Waskar, Director of Research, Dr. Ajay Singh Rajput, Regional Director, Dr. Nachiket Kotwaliwale, ICAR-CIPHET, Ludhiana were also present. This Online Training Programme organized during 15th February 2022 to 31st March 2022 daily in the evening time between 07:00 to 8:30 PM. This training programme covers various aspects related to Organic Farming.
 17. Inaugural function of Safflower Seed Storage Godown constructed under the Project Creation of Seed Hub for Enhancing quality Seed Availability of Oil seeds (Safflower) sponsored by Ministry of Agriculture and Farmers Welfare, Govt. of India, ICAR- Indian Institute of Oilseeds Research, Hyderabad was organized on 28th February, 2022. The Seed Storage Godown was inaugurated at the auspicious hands of Dr. Ashok Dhawan, Hon. Vice Chancellor, VNMKV, Parbhani and Dr. M. Sujatha, Director (A), ICAR-IIOR, Hyderabad. For this programme Dr. Dattaprasad Waskar, Director of Research and Dr. S.N. Sudhakar Babu, Nodal Officer, Dr. Khizer Baig, Associate Director (Seeds), Dr. S. B. Ghuge, Incharge, Shri. Sable, State Coordinator were also present. Dignitaries addressed the gathering during the programme. This new godown having storage capacity of 200 MT helps to store the seed of university released safflower varieties. Scientists, officials and farmers participated in this programme.
 18. AICPRP on Pearl Millet, National agricultural Research Project, Aurangabad was awarded as Best Research Center 2021-22 for their remarkable research work in 57th Annual Group Meeting of AICPRP during 22nd to 24th march, 2018 organized through online mode. In this meeting, Scientists were felicitated with Certificate and memento. For this programme Dr. Trilochan Mohapatra, Director General, ICAR, New Delhi, Dr. T.R. Sharma, DDG, Dr. R.K. Singh, ADG, Dr. Tara Satyawati, Project Coordinator were also present.
 19. All India coordinated project on Experiment on Cultivars field organized farmers rally on Integrated Farming System at Dhanora Village, Tq. Basmat Dist. Hingoli on 2 March, 2022. This rally was presided over by Dr. Dattaprasad Waskar, Director of Research, VNMKV, Parbhani. For this rally progressive farmer

Shri Dadarao Raut, Shri Pandurang Gade, Dr. Wasudev Narkhede, Chief Agronomist, Dr. Suresh Kausalye, Agronomist and Dr. Sudam Shirale, Soil scientist were also present. Large number of women farmers, scientists were attended the farmers rally.

20. All India Coordinated Sorghum Improvement Project, Sorghum Research Station, VNMKV, Parbhani organized Jowar Mahotsav (Sorghum Day) on 3rd March, 2022. The programme was presided over by Dr. Ashok Dhawan, Hon. Vice Chancellor, VNMKV, Parbhani and Dr. Dattaprasad Waskar, Director of Research was the chief guest of the function. In this Programme, Chilli Grinder, Shewai Machine, Papad Machine, Cycle hoe, Seed drill etc. implements were distributed to tribal farmers of village Walkyachiwadi and Gargotwadi under Tribal Sub Plan (TSP). Sorghum museum was also inaugurated at the hands of dignitaries. For this function, Dr. K.R. Kamble, Officer InCharge, Dr. V.V. Kalpande, Dr. PDKV, Akola, Dr. D.D. Dudhade, MPKV, Rahuri, Dr. Gopal Thakare, Dr. L.N. Jawle, Dr. Mohd. Ilyas, Dr. V.M. Gholve along with scientists were also present. Large number of farmers from Jamb, Brahmangaon, Umari, Mandakhali, Walkyachiwadi and Gargotwadi villages participated in this programme.
21. Soybean Research Scheme, VNMKV, Parbhani organized Field Visit to summer soybean seed production programme on 7th March, 2022. The programme was presided over by Dr. Ashok Dhawan, Hon. Vice-Chancellor, VNMKV, Parbhani with auspicious presence of Dr. Dattaprasad Waskar, Director of Research, Dr. Dhirajkumar Kadam, Registrar, Shri. Kiran Kolhe, Asstt. Comptroller, Dr. Khizar Baig, Associate Director (Seeds) and Dr. Shivaji Mehtre, Soybean Breeder. The nucleus seed production programme of University developed soybean varieties viz. MAUS 71, MAUS 162, MAUS 158 and MAUS 112 conducted on 20 ha area which is recently brought under cultivation by Soybean research Scheme. University scientists, officials from Agriculture Department, farmers were also attended the workshop.
22. Two days training programme on Agricultural Mechanisation and Value addition was organized by AICRP on Utilisation of Animal Energy, VNMKV, Parbhani during march 8-9, 2022 under SCSP programme. The training programme was inaugurated at the hands of Dr. Ashok Dhawan, Hon. Vice Chancellor of the University in presence of Dr. G.K. Londhe, I/C Director of Research, Shri. Madan Kolhe. Dr. Smita Solanki, Research Engineer of the project explained various activities of mechanization and value addition. Dr. Rahul Ramteke explained the importance of solar drying system. Dr. Sandip Jagtap explained the value addition and Govt. Schemes for the farmers. More than 50 trainees were present for the training programme.
23. AICRP on Utilisation of Animal Energy, VNMKV, Parbhani organized a training programme for farm women on March 11, 2022. The programme was inaugurated at the hands of Dr. Rahul Ramteke, I/C Associate Dean, College of Agril. Engg and Tech. VNMKV, Parbhani in presence of Dr. K.R. Kamble, Officer Incharge, Sorghum Research Station, Shri. Vijay kumar Lokhande, Dist. Supritendent Agriculture Officer, Parbhani and Shri. Balasaheb Zingade from Dist Industries Centre. Dr. Smita Solanki explained the tools and farm implements useful to farm women. Dr. Madan Pendke from Dryland Research Centre explained the activities of rainwater harvesting. Dr. K.R. Kamble explained the value addition in sorghum.
24. Sorghum Research Station, VNMKV, Parbhani organized Farmers rally on Sorghum Value addition and Summer Soybean cultivation under Sorghum Frontline Demonstration Programme At Brahmangaon Village, Taluka Parbhani on 14th March, 2022. The programme was presided over by Dr. Dattaprasad Waskar, Director of Research. For this function, Shri. Dagduappa Kaldade, Sarpanch, Shri. Dnyaneshwar Kaldade, Upsarpanch, Dr. S.P. Mehtre, Soybean Breeder, Dr. Rajendra Jadhav, Dr. K.R. Kamble, Officer In-Charge, Dr. L.N. Jawle, Dr. Mohd. Ilyas, Dr. V.M. Gholve, Dr. Ambika More, Prof. Pritam Bhutda were also

present. In technical session, scientists interacted with farmers. Dignitaries along with farmers visited the demonstration. Large number of farmers participated in this programme.

25. Cotton Research Scheme, Vasantrao Naik Marathwada Krishi Vidyapeeth, Parbhani under National Food Security Mission project on Insecticide Resistance Management sponsored by ICAR- CICR, Nagpur, a one-day training programme on Integrated Management of Pink bollworm was organized on 15th March, 2022 for agricultural inputs sellers and cotton ginning mill holders. The training was presided over by Dr. Dattaprasad Waskar, Director of Research and Mr. Baliram Kachve, Deputy Director of Agriculture, SDA, Parbhani was the chief guest. Dr. Sanjeev Bantewad, Head, Department of Agricultural Entomology, Dr. Gajendra Londhe, Head, Department of Animal Husbandry and Dairy Science, Dr. Khijar Baig, Assistant Director (Seed), Dr. Ashok Jadhav, Officer Incharge were present for the programme. In the training, Dr. Basawraj Bhede gave illustrated guidance on Pink bollworm management, Dr. A.T. Daunde on cotton disease management and Dr. Digambar Patait on safe use of pesticides through Powerpoint presentation. In the introductory speech, Dr. A.S. Jadhav reviewed the work of Insecticide Resistance Management Project. In the programme, Cotton Calendar-2022 and Cotton Cultivation Technology booklet were released at the hands of dignitaries. Certificates were distributed to the trainees by the dignitaries. For programme Dr. S.P. Mhetre, Dr. S.B. Ghuge, Dr. Smita Solanki, Dr. A.M. Misal, Dr. Amit Tupe, Dr. C.D. Deshmukh along with university officials and Input dealers were present.
26. All India Coordinated Water Management Research Project, VNMKV, Parbhani organized Farmers Rally Scheduled Caste Sub Project on 25th March, 2022 at Bhosa village, Ta. Manwat, Dist. Parbhani. The function was presided by Dr. Dattaprasad Waskar, Director of Research, VNMKV, Parbhani. For this function, Shri. Subhashrao Jadhav, Sarpanch, Dr. Harish Awari, Principal Scientist, Dr. Madan Pendke, Dr. Gajanan Gadade, Dr. Megha Jagtap, were also present. In this Programme, eleven sprinkler irrigation sets were distributed to Scheduled Caste women and men farmers at the hands of dignitaries under the funding of SC plan received from Water Management Project, Bhuvaneshwar. Large number of farmers participated in this programme.
27. Associate Director (Seeds), VNMKV, Parbhani, Cotton Research Station, Nanded and Banana Research Station, Nanded jointly organized Turmeric, Banana and Cotton Farmers Rally at Cotton Research Station, Nanded on 28th March, 2022. This programme was presided over by Dr. Ashok Dhawan, Hon. Vice Chancellor, VNMKV, Parbhani. For this rally Shri. Pradip Kulkarni, Resident Dy. Collector, Dr. Dattaprasad Waskar, Director of Research, Shri. Latif Pathan, Shri. Ravishankar Chalwade, Dr. K.S. Baig, Cotton Specialist, Dr. Vishwanath Khandare, Dr. Sujata Dhutraj were also present. In technical session, scientists interacted with farmers regarding the problems in cultivation of Turmeric, Banana and Cotton. Large number progressive farmers participated in training programme.

Training Programmes Organized

AICRP on Utilization of Animal Energy			
Sr. No.	Title of Training / Workshop	Date/ Duration	No. of Beneficiaries
1	AICRP on UAE, VNMKV, Parbhani center & KVK, Jalgon Jamod organized training for the FLD farmers on developed mechanized implements	25.05.2021	35
2	Training on Mechanization & BBF technology on sowing of Kharif crops by BBF by State Dept. of Agril. (MS) & VNMKV, Parbhani	27.05.2021	75
3	Training & Distribution of Agriculture equipments to Tribal farmers under TSP (Tribal Sub Plan) to the 'Karyashil Shetkari Bachat Gat' from Thakarwadi, Tq: Hadgoan, Dist: Nanded.	24.06.2021	18
4	Training & distribution of bullock drawn implements developed under AICRP on UAE to "Swaraj Agro Shetkari bachat gat" of Mandakali Tq. Dist. Parbhani	29.06.2021	23
5	Training on improved tractor drawn and bullock drawn farm implements at KVK Parbhani	30.06.2021	45
6	Offline training and distribution of implements to the Pragatishil Shetkari Samuh Gat Lavada Tq. Dharni Dist. Amravati, through KVK, Ghatkheda, Dist. Amravati	27.07.2021	08
7	Training of UAE developed Equipments to farmer under FLD at Kesharpur Tq. Chikhaldara Dist. Amravati by KVK scientist.	20.10.2021	16
8	Online training organized by AICRP on UAE, VNMKV, Parbhani regarding 'use of mechanized bullock drawn implements' for the farmers of Wai, Kalamuri dist. Hingoli	19.11.2021	29
9	AICRP on UAE, VNMKV, Parbhani organized training programme under SCSP Sub Plan on Mechanization in Agriculture and Value Addition	29-30.11.2021	64

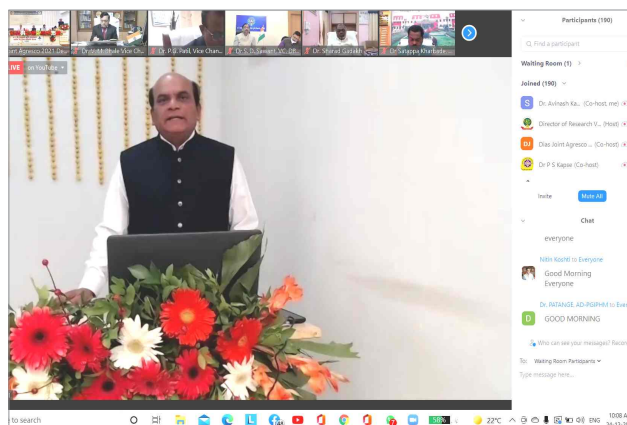


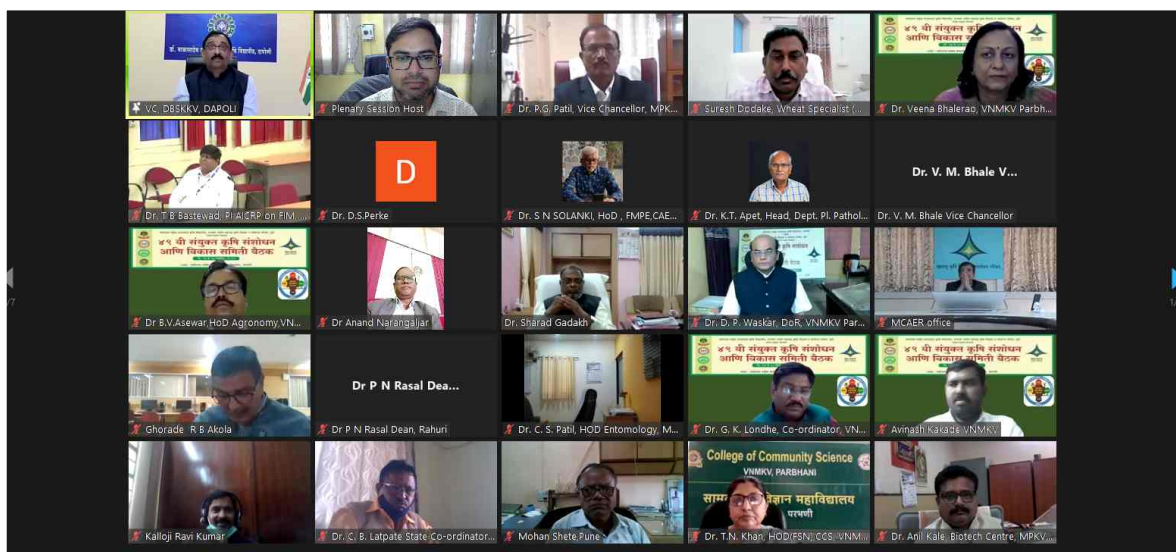
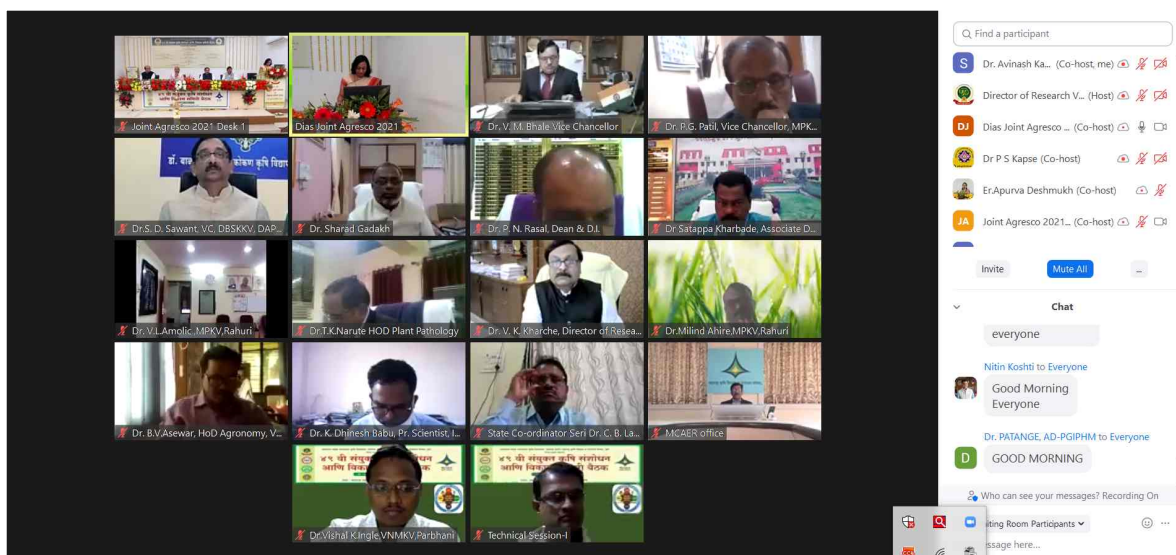
Activities of AICRP on UAE



Organisation of JOINT AGRESO-2021

Vasantrao Naik Marathwada Krishi Vidyapeeth, Parbhani and MCAER, Pune organized Joint Agricultural Research and Development Committee (Joint Agresco-2021) meeting in online mode between 24th and 30st December, 2021. This meeting was organized through Zoom application due to COVID-19 pandemic. Dr. Vilas Bhale, Hon. Vice-Chancellor, Dr. Punjabrao Deshmukh Krishi Vidyapeeth, Akola was the Chairman for inaugural function with auspicious presence of Shri. Eknath Dawale (IAS), Secretary (Agriculture), Shri. Vishwajeet Mane (IAS), Director General, MCAER, Pune, Dr. Ashok Dhawan, Hon. Vice-Chancellor, VNMKV, Parbhani, Dr. Sanjay Sawant, Hon. Vice-Chancellor, Dr.BSKKV, Dapoli Dr. Prashantkumar Patil, Hon. Vice-Chancellor, MPKV, Rahuri. For this function, Directors of Research, Directors Instruction and Dean (F/A), Directors of Extension Education of four Agricultural Universities, Dept. of Agriculture Officers and Scientists were attended the meeting. The Plenary Session was presided over by Shri Dadaji Bhuse, Hon. Pro-Chancellor and Minister of Agriculture, Govt. of Maharashtra. During this meeting, 9 crop varieties, 15 farm implements and 193 production technologies were released. Soybean variety MAUS 725, Safflower variety Parbhani Suvarna (PBNS 154) and Hurda sorghum variety Parbhani Vasant (PVRSG-101) of Vasantrao Naik Marathwada Krishi Vidyapeeth, Parbhani are released. Seven farm implements and 44 recommendations were also released.





Seed Production Programme and Receipts 2021-22

Sr.No.	Crop	Class of Seed	Quantity In Qtls	Total Quantity In Qtls
1.	Soybean	Breeder	3351.97	5184.16
		Foundation	800.21	
		Truthful	509.49	
		Certified	522.49	
2.	Tur	Breeder	244.30	899.46
		Foundation	295.90	
		Truthful	245.56	
		Certified	113.70	
3.	Mung	Breeder	68.69	110.69
		Foundation	36.20	
		Truthful	05.80	
4.	Udid	Breeder	09.32	09.32
5.	Jowar	Breeder	22.16	70.16
		Truthful	48.00	
6.	Bajra	Breeder	33.02	33.02
7.	Paddy	Breeder	10.10	10.10
8.	Sunflower	Breeder	00.97	02.17
		Foundation	01.20	
9.	Ground nut	Breeder	03.52	03.52
10.	Bhedni	Breeder	02.40	02.40
Total Kharif				6325.00
1.	Rabi Sorghum	Breeder	231.26	242.94
		Truthful	11.68	
2.	Chickpea	Breeder	183.83	451.36
		Truthful	158.62	
		foundation	67.97	
		Certified	40.94	
3.	Safflower	Breeder	51.56	185.16
		Truthful	80.17	
		foundation	21.88	
		Certified	31.55	
4.	Wheat	Breeder	128.24	155.52
		Truthful	27.28	
5.	Sunflower	Breeder	05.08	08.08
		Certified	03.00	
6.	Linseed	Breeder	10.10	77.73
		foundation	08.00	
		Truthful	18.00	
		Certified	41.63	
			Total Rabi	1121.51
			Total (Kharif + Rabi)	7446.51
RECEIPT	A. Kharif	Rs. 3,27,78,075/-	B. Rabi	Rs. 2,16,81,511/-
			Total	Rs . 5,44,59,586/-

Planting material developed and sold during 2021-2022- Central Nursery

Sr.No.	Name of the Fruit Crop	Rate (Rs.)	Sale (Nos)	Total	Amount (Rs.)	Total Amount (Rs)
1	Mango (Kesar & Other)	60	2,109	7,027	1,26,540	5,19,980
		80	4,918		3,93,440	
2	Sapota (Kalipatti)	70	2,229	3,046	1,56,030	2,29,560
		90	817		73,530	
3	Tamarind (No. 263, Ajinta & Pratishtan)	60	3,480	3,900	2,08,800	2,38,200
		70	420		29,400	
4	Jamun (Konkan Bahadoli)	60	545	1,496	32,700	99,270
		70	951		66,570	
5	Custard Apple (Balanagar)	40	1,633	1,842	65,320	75,770
		50	209		10,450	
6	Hanumanphal	40	135	211	5,400	9,200
		50	76		3,800	
7	Sweet Orange (Nucellar & Katol Gold)	80	2,830	2,830	2,26,400	2,26,400
8	Mandarin (Nagpur Santra)	80	137	137	10,960	10,960
9	Pomegranate (Bhagwa)	35	292	2,146	10,220	65,840
		30	1,854		55,620	
10	Fig (Dinkar)	35	186	503	6,510	19,190
		40	317		12,680	
11	Aonla (NA-7)	40	563	643	22,,520	26,520
		50	80		4,000	
12	Guava (Sardar & Lalit)	50	5,433	7077	2,71,650	3,70,290
		60	1,644		98,640	
13	Tamarind Seedlings	25	152	152	3,800	3,800
14	Jamun Seedlings	25	22	22	550	550
15	Seedless Lime	30	2	4	60	140
		40	2		80	
16	Aonla Seedlings	25	7	7	175	175
17	Kagzi Lime Seedling	40	3,683	4,512	1,47,320	1,76,335
		35	829		29,015	
18	Karwand Seedlings	15	1,959	1,959	29,385	29,385
19	Other	25	5,990	5,990	1,49,750	1,49,750
20	Ornamental Plants	50	98	98	4,900	4,900
21	Kadipatta	25	194	194	4,850	4,850
22	Rangpur Lime Seedlings	30	1,016	1,016	30,480	30,480

Sr.No.	Name of the Fruit Crop	Rate (Rs.)	Sale (Nos)	Total	Amount (Rs.)	Total Amount (Rs)
23	Drumstick	10	477	477	4,770	4,770
24	Cocunut Seedings	100	192	192	19,200	19,200
25	Bamboo Seedings	20	153	153	3,060	3,060
26	Auction Tamarind	-	-	-		45,000
27	Auction (Sweet Orange fruits)	-	-	-		35,000
28	Auction (Aonla fruits)	-	-	-		10,000
29	Auction (Rangpur fruits)	-	-	-		55,500
30	Auction (Dried trees)	-	-	-		10,000
31	Auction (Sapota)	-	-	-		7,000
32	Credit Bill Amount Recovered	-	-	-		2,96,705
	Total Amount (Rs.)	-	-	-		27,77,780
	Central Farm free allotment	-	-	-		2,54,400
	Credit Bill Amount yet not recovered	-	-	-		2,72,070
	Total Nursery Purchase	-	-	-		33,04,250



Product Testing Details 2021-22

Year	Name of Crop	Name of Research Station	No. of Hybrids/ Varieties for testing
2021-22	Bt Cotton	Cotton Research Station, Nanded	01
	Bt Cotton	Cotton Research Scheme, Parbhani	03
	Vegetable	Horticulture Research Station (Vegetable), Parbhani	108
	Pigeon pea	Agriculture Research Station, Badnapur	08
	Green Gram	Agriculture Research Station, Badnapur	06
	Black Gram	Agriculture Research Station, Badnapur	05
	Chick pea	Agriculture Research Station, Badnapur	09
	Soybean	Soybean Research Scheme, Parbhani	24
	Sorghum	Sorghum Research Station, Parbhani	01
	Sorghum	Agriculture Research Station, Somnathpur	01
	Wheat	Wheat and Maize Research Unit, Parbhani	40
	Maize	National Agriculture Research Project, Aurangabad	86
	Pearl millet	National Agriculture Research Project, Aurangabad	23
		Total	315
		Testing fees received (Rs.)	1,07,67,500/-
Year	Name of Crop	Name of Research Station	No. of Products for testing
2021-22	Cotton	Cotton Research Station, Nanded	34
	Bt Cotton	Cotton Research Scheme, Parbhani	03
	Soybean	Soybean Research Scheme, Parbhani	05
	Cotton	Department of SSAC, Parbhani	03
	Soybean	Department of SSAC, Parbhani	02
	Chilli	Horticulture Research Station (Vegetable), Parbhani	15
	Tomato	Horticulture Research Station (Vegetable), Parbhani	02
	Onion	Horticulture Research Station (Vegetable), Parbhani	02
	Cucumber	Horticulture Research Station (Vegetable), Parbhani	03
	Brinjal	Horticulture Research Station (Vegetable), Parbhani	01
	Okra	Horticulture Research Station (Vegetable), Parbhani	01
	Cauliflower	Horticulture Research Station (Vegetable), Parbhani	01
	Chilli	Safflower Research Scheme, Parbhani	02
	Wheat	Wheat and Maize Research Unit, Parbhani	02
	Maize	Wheat and Maize Research Unit, Parbhani	10
	Citrus	Sweet Orange Research Station, Badnapur	01
		Total	87
		Testing fees received (Rs.)	75,03,816/-
		Total Testing Fees Receipt (Rs.)	1,82,71,316/-

EXTENSION EDUCATION

Introduction

Directorate of Extension Education carries extension education activities with the help of Regional Agricultural Extension Education Centres, Krishi Vigyan Kendras, Extension Education Unit and Agricultural Technology Information Centre. Colleges and Research Stations under the University also organize and participate in the different extension programmes. The main objective is to disseminate the agricultural technologies to the farmers' fields and collect feedbacks.

Regional Agricultural Extension Education Centres (RAEECs) are functioning at Parbhani, Aurangabad, Ambajogai and Latur. Each RAEEC is covering two districts of Marathwada region. Extension Education Unit and Agricultural Technology Information Centre are functioning at university head quarter with whole region as jurisdiction. ATIC is a single window delivery system for advisory and information and advisory services. Marathwada region has 12 Krishi Vigyan Kendras (KVK). Out of these, 4 Krishi Vigyan Kendra at Aurangabad, Tuljapur Dist. Osmanabad, Khamgaon Dist. Beed and Badnapur Dist. Jalna were established under the administrative control of the university, where as remaining 8 KVKs run by the NGOs. These KVKs are aimed to reduce the time lag between generation of technologies and their transfer to the farmers in the larger interest of farmers and increase agricultural production.

These extension centres organized various on-campus and off-campus extension activities viz. monthly district workshops, training programmes, workshops, field visits, diagnostic team visits, farmers rallies, field days, group discussion, farmers-scientist forums, plant protection campaigns, AIR and TV programmes, agril. publications, press publicity, ICT based activities, etc. for benefit of farmers, women, youths, entrepreneurs, officers and extension workers, FPOs and SHGs, etc. Front Line Demonstrations and On Farm Trials, Skill

Development Trainings and Vocational trainings were also organized by the KVKs.

During COVID19 pandemic extension wing of university developed and implemented Extension and Advisory Service (EAS) strategies to cope with situation and needs of farmers and different clientele groups. University focused on use of internet services, different ICT tools, social media like Facebook, Twitter, WhatsApp and YouTube, electronic and print media.

Credible information, tips and advisories on crop production technologies, handling and marketing of agricultural produce were prepared in written, audio and video format and shared through online media including social media, Facebook, WhatsApp and YouTube. Online trainings and webinars were organized by using digital platform of Zoom App, Webex, Google meet, YouTube, Facebook, etc. Messages and advisories were delivered on farmers WhatsApp groups and Kisan portals and through audio conferencing. University was always in convergence with farmers for linking them with markets and promoting farmers producer organizations.

University guided farmers about working in the fields with masks and maintaining social distance to ensure their health. University also continuously counseled and sensitized farmers to reduce anxiety caused by the pandemic COVID19.

Significant Achievements

1. Field Visit/Diagnostic Team Visit

University Scientists organized 614 field visits/ diagnostic field visits to the farmers' fields, assess field problems and suggested solution to the field problems of 12895 farmers on the spot during 2021-22.

2. Farmers' Rally

Kharif Farmers' on the eve of 49th University Foundation Day, Rabi Farmers' Rally on the eve of Marathwada Mukti Sangran Din and Women Farmers' Rally on the eve of Kranti Jyoti Savitribai Phule Jayanti were organized in online mode on Zoom and You Tube on 18th May 2021, 17th September 2021 and 3rd January 2022 respectively. 7400 farmers, women, entrepreneurs and extension personnel participated in these online rallies.

Regional Extension Centres, Krishi Vigyan Kendras, Colleges and Research Stations also organized 40 online and off line farmers rallies during reporting year. 16000 farmers, women, entrepreneurs and extension personnel participated in these rallies. University scientists also delivered lectures in the rallies organized by State Department of Agriculture and developmental departments and NGOs.

3. Training programmes

Directorate of Extension Education through its centers organized 315 online and off line short durational training programmes for different clientele groups. 16400 farmers, farmwomen, youths, entrepreneurs, extension functionaries, NGOs, and Self-help Groups members were trained in these training programmes during 2021-22.

4. Monthly District Workshop (MDW)

Monthly District Workshops were organized to provide technical support to extension workers of the State Department of Agriculture. Monthly messages were given to guide the farmers about solution on field problems. Field visits were also organized during these workshops. 89 MDWs were organized and 4640 officers and progressive farmers participated in these workshops during 2021-22.

5. Krishi Sanjivani Saptah

VNMKV celebrated Krishi Din on occasion of birth anniversary of Vasandrao Naik on 1st July, 2021. Government of Maharashtra decided to celebrate 24th June to 1st July 2021 as Krishi Sanjivani Saptah on occasion of birth anniversary of Vasandrao Naik. University in coordination with State Department of Agriculture organized different extension programmes in Marathwada during entire week. University scientists visited to the farmers' fields and guided farmer about innovative agricultural technologies. Scientists also diagnosed field problems and suggested remedial measures on the spot. University Colleges, Research Stations, Extension Centres and Krishi Vigyan Kendras took active participation and organized 210 extension programmes during Krishi Sanjivani Saptah.

6. Group Discussion

410 online and offline group discussions were organized for a group of farmers, women farmers, youths, entrepreneurs etc. having common interest in particular aspect of agriculture and allied sciences. 4175 farmers were participated in these group discussions during 2021-22.

7. Vidyapeeth Apalya Dari, Tantradnyan Shetawari

Special campaign “*Vidyapeeth Apalya Dari, Tantradnyan Shetawari*” was implemented with the objective to educate farmers on crop production technologies and to solve the problems of farmers on the spot. Teams of university scientists visited around 215 villages diagnose field problems and suggested remedial measures to 19750 farmers on the spot during reporting year.

8. Plant protection campaign

Plant protection campaign for management Pink Bollworm in Cotton and Fall Army Worm in Maize was implemented during *Kharif* 2021. University scientists organized 90 online programmes and 145 field visits and guided farmers about Pink bollworm management and Fall Army Worm. 21450 farmers got benefit of this campaign.

9. Field day

To demonstrate the worthiness of the innovations on agricultural technologies 20 Field Days were organized at the farms of the progressive farmers, trial fields, and demonstration sites. 2140 farmers participated in these field days during 2021-22.

10. All India Radio & Doordarshan Programme

Interviews and lectures of university scientists were broadcasted through 180 programmes on All India Radio and Regional Radio Stations & 72 programmes were telecasted on Doordarshan and private TV channels during 2021-22.

11. Telephone Help Line

This Directorate has been provided technical information to the farmers through Telephone Help Lines. More than 6500 Farmers asked questions on telephone about the cultivation practices of the various crops, pest and diseases control, dry land, fruit & vegetable technologies as well as other income generating enterprises during 2021-22.

12. Publications

This Directorate has published *Krishi Dainandani*, University Calendar, *Sheti Bhati Magazine*, Booklets and folders containing information on crop technologies developed by the university. These publications were sold / distributed amongst the farmers, students and extension workers.

13. SMS

SMS facility for the farmers is in operation at ATIC, Parbhani. Messages and crop advisories were given on farmers WhatsApp. Daily message, advisory and solutions to the field problems was given through Reliance Foundation, Mumbai on smartphone of farmers.

14. Press Publicity

Information on crop production technologies, day to day ongoing programmes and activities were published through leading newspapers of the region. Besides this, bulletins and notes on seminars, trainings, workshops, farmers’ rallies, field days, highlight of extension and research projects were formulated and released through newspaper.

15. World Soil Health Day

KVKs and extension centres celebrated World Soil Health Day on 5th December 2021. Online soil health awareness programmes were organized on this occasion.

16. Audio Conferencing

ATIC centre and KVKs of the University organized 54 multi-location Audio Conferencing programmes for farmers. 19550 farmers participated in these programmes during 2021-22.

17. Webinars

Directorate of Extension Education through its centers organized 140 webinars on different topics on digital platform of Zoom, Webex, Google meet, YouTube and Facebook, etc. for different clientele groups. 35000 farmers, farm women, youths, entrepreneurs, extension functionaries, NGOs, and Self-help Groups members were participated in these webinars during 2021-22.

18. University KVKs gave weather forecasting messages on every Tuesday and Friday. Crop advisories and messages on crop production technologies and allied enterprises were given on M-Kisan portal, facebook and WhatsApp groups. These messages were sent to more than four lakh farmers regularly.

19. Soil testing facilities, Seeds, Bio fertilizers and planting materials, agriculture publications, etc. were made available at university KVKs.

20. University KVKs organized 1350 On Farm Trials and 2450 Front Line Demonstrations for assessment and refinement of technologies.





Organization of Various Farmers Rallies (Online / Offline) during 2021-22



Organization of Various Field Days / On-farm Visits

University Administration

University Officers

As per Maharashtra Agricultural Universities Act, 1983 (14) and statute, 1990, the following are the Executive, Academic and Other Officers of Vasantao Naik Marathwada Krishi Vidyapeeth, Parbhani during the year 2021-22.

A) Executive Officers

1	Chancellor	Hon. Shri. Bhagat Singh Koshyari
2	Pro-Chancellor	Hon. Shri. Dadaji Bhuse
3	Vice-Chancellor	Dr. Ashok S. Dhawan

B) Academic Officers

1	Director of Instruction & Dean	Dr. D.N. Gokhale
2	Director of Research	Dr. D.P. Waskar
3	Director of Extension Education	Dr. D.B. Deosarkar
4	Associate Dean & Principal, COA, Parbhani	Dr. Syed Ismail
5	Associate Dean & Principal, COA, Latur	Dr. A.P. Suryawanshi
6	Associate Dean & Principal, COA, Ambajogai	Dr. B.M. Thombre
7	Associate Dean & Principal, COA, Badnapur	Dr. R.D. Ahire
8	Associate Dean & Principal, COA, Osmanabad	Dr. J.E. Jahagirdar
9	Associate Dean & Principal, COA, Golegaon	Dr. B.V. Asewar
10	Associate Dean & Principal, College of Agril. Engg. & Tech. Parbhani	Dr. U.M. Khodke
11	Associate Dean & Principal, College of Food Tech., Parbhani	Dr. U.M. Khodke
12	Associate Dean & Principal, College of Community Science, Parbhani	Dr. Jaya Bangale
13	Associate Dean & Principal, Vilasrao Deshmukh College of Agril. Biotechnology, Latur	Prof. H.B. Patil
14	Post Graduate Institute of Agril. Business Management, Chakur	Prof. H.B. Patil
15	College of Horticulture, Parbhani	Dr. G.M. Waghmare
16	Associate Dean, Instructions, Parbhani	Dr. D.B. Deosarkar

C) Heads of the Department

Agriculture		
1	Department of Agronomy	Dr. B.V. Asewar
2	Department of Soil Science & Agril. Chemistry	Dr. P.H. Vaidya
3	Department of Plant Pathology	Dr. K.T. Apet
4	Department of Agril. Entomology	Dr. S.D. Bantewad
5	Department of Agril. Extension Education	Dr. V.B. Kamble
6	Department of Agril. Botany	Dr. H.V. Kalpande
7	Department of Agril. Economics	Dr. D.S. Perke
8	Department of Horticulture	Dr. G.M. Waghmare
9	Department of Animal Husbandry and Dairy Science	Dr. G.K. Londhe
10	Department of Agril. Engineering	Dr. R.G. Bhagyawant
11	Department of Agril. Meteorology	Dr. M.G. Jadhav
Food Technology		
12	Department of Food Microbiology and Safety	Prof. H.B. Deshpande
13	Department of Food Engineering	Dr. R.B. Khirsagar
14	Department of Food Business Management	Prof. D.R. More
15	Department of Food Process Technology	Dr. Vijaya Pawar
16	Department of Food Chemistry and Nutrition	Dr. K.S. Gadhe
Community Science		
17	Department of Human Development and Studies	Dr. Jaya Bangale
18	Department of Textile and Apparel Designing	Dr. Sunita Kale
19	Department of Resource Management and Consumer Science	Dr. Madhuri Kulkarni
20	Department of Food Science and Nutrition	Dr. T. Nahed Khan
21	Department of Community Science Extension and Communication Management	Dr. S.G. Puri
Agricultural Engineering		
22	Department of Irrigation & Drainage Engineering	Dr. H.W. Awari
23	Department of Soil & Water Conservation Engineering	Prof. B.W. Bhuibhar
24	Department of Agril. Process Engineering	Dr. S.U. Khodke
25	Department of Farm Power & Machinery	Dr. S.N. Solanki
26	Department of Electrical a & Other Energy Sources	Dr. R.T. Ramteke

D) Other Officers

1	Registrar	Dr. D.R. Kadam
2	Comptroller	Smt. Deeparani Devatraj
3	University Engineer	Shri. P.S. Vatkar
4	Student's Welfare Officer	Dr. M.S. Deshmukh / Dr. Sachin More
5	Deputy Registrar (Exam)	Dr. G.A. Bhalerao
6	Deputy Registrar (Admn.)	Sh. P.K. Kale
7	Assistant Registrar (Academic)	Sh. P.M. Patil
8	Librarian	Dr. S.D. Kadam

Vacancy position as on 31.3.2022**ABSTRACT**

Sr. No.	Group	Sanctioned post	Filled in post	Vacant post
1	A	575	323	252
2	B	195	119	76
Filled post of Section Officer by deputation from Govt.		02	02	00
3	C	730	381	349
4	D	1386	521	865
Total		2888	1346	1542

Group –A

Sr.No.	Name of the Post	Sanctioned Post	Filled Post	Vacant Post
1	Vice Chancellor	01	01	0
2	Directors	03	01	02
3	Associate Dean & Principal	12	02	10
4	Head of the Department	10	07	03
5	Professor	44	21	23
6	Associate Professor	183	99	84
7	Assistant Professor	284	163	121
8	Programme Co-coordinator	04	02	02
9	Subject matter specialist	24	23	01
10	Registrar	01	00	01
11	Comptroller	01	01	00
12	University Engineer	01	00	01
13	Dy. University Engineer	03	00	03
14	Medical officer	01	01	00
15	Dy. Registrar	02	02	00
16	Student Welfare Officer	01	00	01
Total		575	323	252

Group B

Sr.No.	Name of the Post	Sanctioned Post	Filled Post	Vacant Post
1	Security Officer	01	01	00
2	Assistant Registrar/ comptroller	20	11	09
3	PS/ PA to Hon. Vice Chancellor	02	01	01
4	Senior Research Assistant -Agri	67	46	21
5	Senior Research Assistant –Agri. Engg	01	00	01
6	Senior Research Assistant -Biotech	04	00	04
7	Senior Research Assistant -Food Tech	06	02	04
8	Veterinary Officer	01	00	01
9	KVK Programme Asstt.-Laboratory Technician	04	03	01
10	K.V.K.Programme Asstt. -Computer	04	03	01
11	K.V.K.Programme Asstt. - Field Manager	04	03	01
12	Section Office (Deputation from Govt.)	02	00	02
13	Section Officer	25	18	07
14	Assistant Section Officer	25	19	06
15	Assistant Superintendent (KVK)	04	03	01
16	Stenographer	21	07	14
17	Technical Asstt. (Lib)	04	02	02
	Total	195	119	76

Group C

Sr.No.	Name of the Cadre	Sanctioned post	Filled post	Vacant post
1	Junior Research Assistant	74	34	07
2	Junior Veterinary Officer	01	00	01
3	Junior Engineer	6	3	3
4	Foreman Supervisor	1	01	00
5	Supervisor Home-Science	1	0	1
6	Draftsman	1	1	0
7	Senior Mechanic	2	2	0
8	Junior Mechanic	1	1	0
9	Tractor Driver	5	0	5
10	Truck Driver	4	3	1
11	Driver	42	16	26
12	K.V.K.Driver	8	5	3
13	Computer operator	2	0	2
14	Senior Clerk	66	50	16

Sr.No.	Name of the Cadre	Sanctioned post	Filled post	Vacant post
15	Steno-typist	4	2	2
16	Jr. Stenographer (Grade-III) KVK	4	1	3
17	Computer Operator	1	0	1
18	Junior Clerk	157	65	92
19	Library Asstt.	6	2	4
20	Reprographic Asstt.	1	0	1
21	Compounder	2	1	1
22	Agricultural Assistant	282	181	101
23	Agricultural Assistant (Engineering)	2	0	2
24	Agricultural Assistant (Bio-Tech)	2	0	2
25	Laboratory Assistant	15	1	14
26	Fieldman (Technical Instructor)	1	1	0
27	Electrician	8	3	5
28	Carpenter	3	2	1
29	Artists	2	2	0
30	Sub-Overseer/Tech.Asstt.	5	1	4
31	Computer	1	0	1
32	Montesory Teacher (Home.Sci.)	1	0	1
33	Laboratory Assistant (Home Sci.)	5	0	5
34	Telephone Operator	2	0	2
35	Plumber	4	2	2
36	Mistry	1	0	1
37	Boiler Assistant (Tech.)	1	0	1
38	Welder	1	1	0
39	Turner	1	0	1
40	Fitter	2	0	2
41	Audio Visual Operator	2	0	2
Total		730	381	349

Group- D

Sr.No.	Name of the Cadre	Sanctioned post	Filled post	Vacant post
1	Lab. Boy	52	16	6
2	Labour	938	359	579
3	Watchman	149	36	113
4	Peon	110	30	80
5	Grazer	6	0	6
6	Attendant	9	2	7
7	Milker	4	0	4
8	Book Bearer	1	1	0
9	Mistry	1	0	1
10	Dresser	1	0	1
11	Farash	1	1	0
12	Sweeper	27	13	14
13	Rukhi / Walmiki	4	1	3
14	Pashudhan Parichar	1	1	0
15	Cook	3	1	2
16	Jamadar	1	1	0
17	Mali	19	10	9
18	Library Attendant	5	3	2
19	Laboratory Attendant	54	46	8
Total		1386	521	865

- **Universities Authorities Meetings** : The meetings of the various bodies of the University authorities such as Executive council, Academic Council, Agricultural Research Council, Extension Council Faculties and Board of Studies were conducted from time to time during the period of report.
- **Executive Council** : during the period of report, total 4 meetings of the executive council were conducted.
- **Academic Council** : Two meetings of the Academic Council were conducted during the period of report.
- **Agril. Research Council** : One meeting of the Agril. Research Council was conducted during the period of report.
- **Extension Council** : One meeting of the Executive Council was conducted during the period of report.
- **Faculty Meetings** : Faculty meeting were conducted in all the faculties of agriculture and allied sciences during the period of report.
- **Board of Studies** : Regular meetings of Board of Studies were conducted in all agriculture and allied sciences during the period of report.

University Finance

MAU 2021-22((from 1-Apr-2021)

REVENUE INCOME

Group Summary

1-Apr-2021 to 31-Mar-2022

Page 1

Particulars	Closing Balance	
	Debit	Credit
ANIMAL HUSBANDRY RECEIPTS		42,01,522.00
Animal Grazing Penalty		4,500.00
Sale of Fym(Senkhat)		1,16,990.00
Sale of Milk & Milk Produce		37,82,450.00
Sale of Poultry Products		2,97,582.00
CAPITAL RECEIPTS		39,93,543.00
Sale of Books & Periodicals		6,98,040.00
Sale of Furniture/tools/dead Stock (Auction)		26,52,728.00
Sale of Live Stock		6,42,775.00
EDUCATIONAL RECEIPTS		15,33,75,892.49
Admission / Regi. Fees		3,07,090.00
Bonafide Fees		3,56,480.00
Convocation Fees		17,400.00
Electricity Charges (Student)		58,47,960.00
Eligibility Fees		5,19,350.00
Emergency Fund (Student)		1,64,605.55
Enrolment Fees		18,07,111.00
Examination Fee 25%		11,32,073.00
Examination Fees 75%		8,25,68,935.84
Fine & Dues		1,05,576.00
Grade Card Fees		10,26,450.00
G-rivance Fees		1,400.00
Hostel Room Rent		45,00,060.00
Identity Card Fees		2,820.00
Insurance Charges From Student		1,59,953.00
Library Fee		43,77,590.00
Marklist & Provisional Certificate Fees		400.00
Medical Examination Fees		5,47,338.00
Migration Fees		3,91,633.00
ODC PDC Fees / Verification		38,04,030.00
Other Educational Receipts		46,22,844.00
Post Entry Quarantine Certificate Charges		18,11,003.00
Registration Fees (Income)		4,83,909.00
Re-Recognition/Proceesing Fee Prvt School		13,10,200.00
Re-Recognition / Proceesing Fees Pvt Colleges		5,62,312.00
Sale of Prospectus		2,50,900.00
Transfer Certificate Fees		40,200.00
Tution Fees		3,66,56,269.10
FARM RECEIPTS		5,39,95,101.00
Sale of Bio Fertilizer		3,90,52,698.00
Sale of Cotton Lint		6,43,254.00
Sale of Fertiliser		3,90,878.00
Sale of Fodder		5,91,330.00
Sale of Other Farm Produce		56,44,730.00
Sale Of Sugarcane		1,57,739.00
Sale of Trycoderma		75,14,472.00
GENERAL REVENUE RECEIPTS		9,23,82,184.00
Bank Interest Received		2,55,88,644.00
Consultancy /soil Testing/service & Inspection Char		1,57,530.00
Dividend on Shares		37,009.00
Electric Charges Received(Cash)		70,92,409.00
E Tender		7,13,000.00
Carried Over		30,79,48,242.49

continued ...

MAU 2021-22

MAU 2021-22(from 1-Apr-2021)

REVENUE INCOME Group Summary : 1-Apr-2021 to 31-Mar-2022

Page 2

Particulars	Closing Balance	
	Debit	Credit
Brought Forward		30,79,48,242.49
ITD TAX Refund		50,42,210.00
Other General Receipts		93,76,103.00
Quarter Rent Deduction		25,45,023.00
Rent of Buildings		20,59,849.00
Rest House Charges		1,98,977.00
Sale of Impliments		2,395.00
Sale of Publication & Written Articles		53,090.00
Sale of Tender Forms		83,500.00
Soil Testing Charges		3,58,950.00
Testing Product Fees		3,89,97,622.00
University Library Receipts		57,353.00
Water Charges Deduction		2,540.00
Water Tax Received		15,980.00
HORTICULTURE RECEIPT		97,51,272.00
Sale of Horticulture Produce		25,51,315.00
Sale of Plants / Nursery		71,99,957.00
SEED RECEIPTS		5,73,67,320.00
Sale of Seed		5,73,24,455.00
Sale of Seedling		42,865.00
Grand Total		37,50,66,834.49

Comptroller
Vasant Rao Naik Marathwada Krishi Vidyapeeth
Parbhani

MAU 2021-22

MAU 2021-22(from 1-Apr-2021)

REVENUE INCOME

Group Summary

1-Apr-2021 to 31-Mar-2022

Page 1

Particulars	Closing Balance	
	Debit	Credit
ANIMAL HUSBANDRY RECEIPTS		42,01,522.00
CAPITAL RECEIPTS		39,93,543.00
EDUCATIONAL RECEIPTS		15,33,75,892.49
FARM RECEIPTS		5,39,95,101.00
GENERAL REVENUE RECEIPTS		9,23,82,184.00
HORTICULTURE RECEIPT		97,51,272.00
SEED RECEIPTS		5,73,67,320.00
Grand Total		37,50,66,834.49

Comptroller
Vasant Rao Naik Marathwada Krishi Vidyapeeth
Parbhani

MAU 2021-22((from 1-Apr-2021)

Expenses Group Summary 1-Apr-2021 to 31-Mar-2022

Page 1

Particulars	Closing Balance	
	Debit	Credit
Contingency	36,07,69,677.34	
HOSPITALITY EXPENSES	18,28,160.00	
MAINTAINCAE	5,80,54,817.00	
MATERIAL & SUPPLIERS	4,03,06,481.00	
MOTOR VEHICLES (FUNCTIONAL)	1,97,03,695.00	
OFFICE EXPENSES RECURRING	19,87,55,792.00	
PROFESSIONAL & SPECIAL SERVICES	1,53,61,460.34	
PUBLICATION	1,33,992.00	
RENT , RATE & TAXES	71,70,680.00	
STIPEND & SCHOLARSHIP	1,94,54,600.00	
PENSION & GRATUITY	93,77,86,851.00	
Basic Pension	53,81,46,846.00	
Commutation of Pension	4,45,42,432.00	
Encashment of Leave	1,70,21,365.00	
Encashment Of Leave 7 Th Pay Difference	2,07,41,545.00	
Gratuity	2,16,26,329.00	
Pension Arrears.	9,67,52,771.00	
Pension Releif	19,89,55,563.00	
SALARIES	1,39,08,77,743.00	
7th Pay Arrears	11,69,65,640.00	
Dearness Allowence	51,21,33,451.00	
6th Pay Arrears	2,70,211.00	
CLA & Other Allowance	44,37,363.00	
Contratual Salary	1,06,72,281.00	
Conveyance Allowance	74,23,402.00	
Grade Pay	2,03,37,772.00	
House Rent Allowance	5,70,18,213.00	
Medical Reimbursement	95,97,449.00	
NPS Govt. Share	6,429.00	
Over Time	2,97,320.00	
Pay of Establishment	48,50,67,944.00	
Pay of Officers	16,61,55,808.00	
Washing Allowance	4,94,460.00	
TRAVEL EXPENSES	21,53,007.00	
T.A. TO Meeting Member	16,862.00	
T.A. to Staff Member	21,36,145.00	
WAGES & FIELD OPERATION	1,72,61,825.00	
Field Operation	1,70,63,915.00	
Labour Wages	1,97,910.00	
Depreciation	18,95,90,804.00	
Grand Total	2,89,84,39,907.34	


Comptroller
 Vasantrao Nalhe Narsinhwade Kishori Vidyasanih
 Parbhani

University Engineer

Major Infrastructural work undertaken during 2021-22

Sr.No.	Name of work	Amount, Rs.
1	Providing EI for living rooms for girls hostel at Latur under VNMKV, Parbhani	267056
2	Repairing and renovation of B-type quarter No. B-35 in Sector-I, VNMKV, Parbhani	263783
3	Repairing of quarter No. A-5 in Sector-III, VNMKV, Parbhani	263103
4	Providing and laying of drainage pipe line for MIG quarter No. 12 to 15 in Sector-III, VNMKV Parbhani	265281
5	Construction of main entrance gate column and side entrance gate column with fixing old gate at CCBP Balsa farm under VNMKV, Parbhani	262134
6	Providing and applying water proofing treatment to quarter No. A-6 at VNMKV Parbhani	263408
7	Renovation of watchman quarter near ESR at College of Agriculture, Badnapur under VNMKV Parbhani	257869
8	Repairing of quarter No. A-24 in Sector-II, VNMKV, Parbhani	257385
9	Providing and fixing aluminium partition for officer cabin in UE office to wing A in Sector-III VNMKV Parbhani	265301
10	Providing street light to road for Agril. Bio-Tech College to Girls hostel at Latur under VNMKV Parbhani	104023
11	Providing and applying colouring to open to sky at faculty building College of Agriculture, VNMKV Parbhani	263829
12	Colouring and painting at College of Agriculture, Latur under VNMKV, Parbhani	214847
13	Providing EI for boys and girls hostel at Agriculture College Ambejogai under VNMKV, Parbhani	256474
14	Construction of RCC curbing for garden in front of ADM building at VNMKV Parbhani	259829
15	Providing renovation to EI for meeting hall at Hon. Vice-Chancellor's office in Adm. building Sector-III, VNMKV, Parbhani	118628
16	Providing and laying of draining pipe line for MIG quarter No. 16 to 19 in Sector-III under VNMKV Parbhani	117503
17	Providing renovation to EI for Hon. Vice-Chancellor's Residence in Sector III, VNMKV, Parbhani	259329

18	Providing and fixing false ceiling for Hon. VC's meeting hall in Administrative building in Sector-III VNMKV Parbhani	159993
19	Minor repairing work of quarter No. C-12 in Sector-II VNMKV, Parbhani	201527
20	Providing and fixing granite stone flooring for flag hostel pole otta in Sector-III VNMKV, Parbhani	263356
21	Providing and erecting MS shade structure near elevated water tank at	264741
22	Providing renovation to EI for Registrar's cabin at Admin building in Sector-III, VNMKV, Parbhani	66058
23	Providing and fixing MS kaman for main and side entrance gate at CCBP Balsa farm VNMKV Parbhani	88986
24	Providing UG Alu. Cable 3 1/2 core 70 sq.mm. from C-type quarter (three phase Electrical panel board) to Electrical subpanel at D-type (round) Qtr in Sector-II, VNMKV, Parbhani	111570
25	Providing and fixing false ceiling for Registrar's cabin in Administrative building in Sector-III, VNMKV, Parbhani	107523
26	Providing and fixing collapsible steel and MS grill at University Engineer Office VNMKV Parbhani	143659
27	Repairing of quarter No. A-6 in Sector-III, VNMKV Parbhani	264087
28	Providing and erecting static energy meter with 240 V 50 Hz AC supply 5 to 30A ISI mark and 3x240 V 50 Hz. AC supply 10 to 60 A ISI Mark for Sector-I,II, III VNMKV Parbhani	267337
29	Construction of CD work for Demonstration plot at ARS Badnapur under VNMKV, Parbhani	264159
30	Providing renovation to EI for Agricultural Economics Department at College of Agriculture in Sector-I, VNMKV, Parbhani	262339
31	Providing alu. Cable LED tubes SPMCB and street light to road for boys and girls hostel at Agril. College, Ambejogai under VNMKV, Parbhani	267249
32	Repairing of water supply pipe line in Sector-II, VNMKV, Parbhani & other qtr repairs (C-2, 4, 6)	206804
33	Minor repairing of WC (Gents and Ladies) at Library College of Agriculture, Latur	108397
34	Providing and fixing kaddappa stone and aluminium partition at mashroom lab College of Agriculture, Latur	89081
35	Improvement of road for NAHEP to Vasundhara hostel in Sector-III VNMKV Parbhani	253734

36	Repairs of registrar's chamber and GAD Section in Registrar office in Sector-III VNMKV Parbhani	88024
37	Providing and applying internal colouring to suit and passage at Guest house College of Agriculture, Latur	99752
38	Internal colouring and minor repairs to Hon VC's bungalow in Sector-III, VNMKV, Parbhani	227913
39	Construction of vehicle shed at MIG quarters No. 17 and water supply pipe line for Elect. Sub-station in Sector-III, VNMKV, Parbhani	112723
40	Providing and fixing WC and bath accessories and rough cast cement plaster at Vaidhayanic bhavan VNMKV, Parbhani	99375
41	Providing and fixing WC and bath all accessoreis at suit no 1 to 7 in	105095
42	Improvement of road from railway gate to food technology college in Sector-II VNMKV Parbhani	218039
43	External colouring to Hon. VC's bungalow in Sector-III, VNMKV, Parbhani	170709
44	Improvement of road for in front of engineering college in Sector-II VNMKV Parbhani	259542
45	Providing flooring and colouring for student cafeteria at COA Badnapur	264690
46	Providing and fixing cage to well at NARP Aurangabad under VNMKV Parbhani	230529
47	Construction of implement shed at NARP Aurangabad under VNMKV, Parbhani	404686
48	Providing and fixing chain link fencing with gate at NARP Aurangabad under VNMKV, Parbhani	696540
49	Construction of Seed Godown at NARP Aurangabad Tq.Dist. Aurangabad	1650484
50	Construction of seed plant at NARP Aurangabad Tq.Dist. Aurangabad	1817385
51	Construction of hostel building (sport) at Parbhani Tq. Dist. Parbhani for VNMKV Parbhani	29284809
52	Proposed construction of seminar hall and laboratory building for Organic farming research and training centre at Sayala Block under VNMKV, Parbhani	5405598
53	Providing and laying PVC pipe line for filed at Organic farming research and training centre at Sayala Block under VNMKV, Parbhani	1607907
54	Providing and fixing chain link fencing at COA Badnapur	263806

55	Colouring of compound wall, cycle stand and garden for Adm building VNMKV Parbhani	253784
56	Construction of implement shed for Organic farming research and training centre at Sayala Block under VNMKV, Parbhani	887963
57	Construction of GSB approach road at College of Agriculture, Golegaon Tq. Aundha (N) Dist, Hingoli	263250
58	Repair to cattle shed at Organic farming research and training centre at Sayala Block under VNMKV, Parbhani	1279754
59	Providing and fixing paver block in front of Canteen at COA Badnapur	264745
60	Renovation of Horticulture Dept. at College of Agriculture, Badanpur	264736
61	Providing GSB material for building right side at College of Agriculture, Golegaon	256614
62	Renovation of A-type quarter No. A-3 in Sector-III Parbhani under VNMKV Parbhani	152688
63	Providing and applying internal colouring to girls hostel at ATS Aurangabad	267176
64	Providing renovation to Electrical Installation for Deputy Registrar (Edu) office at Adm. building in Sector-II, VNMKV, Parbhani	267034
65	Renovation of shop at <i>Kali kaman</i> in Sector-III VNMKV Parbahni	265286
66	Providing street light in front of college building COA, Golegaon Tq. Aundha (N) Dist. Hingoli under VNMKV Parbhani	267412
67	Construciton of drainage chamber and PVC pipe line at AO research Adm building under VNMKV Parbhani	259726
68	Repairs and maintenance of labour quarters at ATS Aurangabad under VNMKV Parbhani	257678
69	Construction of drainage chamber and PVC pipe line Adm building outer compound wall VNMKV Parbhani	258878
70	Providing GSB for building left side at College of Agriculture, Golegaon Tq. Aundha (N) Dist. Hingoli under VNMKV Parbhani	256614
71	Repairing of D-type quarters No. 78 to 81 in Sector-I, VNMKV, Parbhani	260923
72	Repairing toilet block at Registrar office in Sector-III VNMKV Parbhani	260428
73	Improvement of approach road for in front of A-type quarters and utilization of animal energy office at VNMKV Parbhani	263903

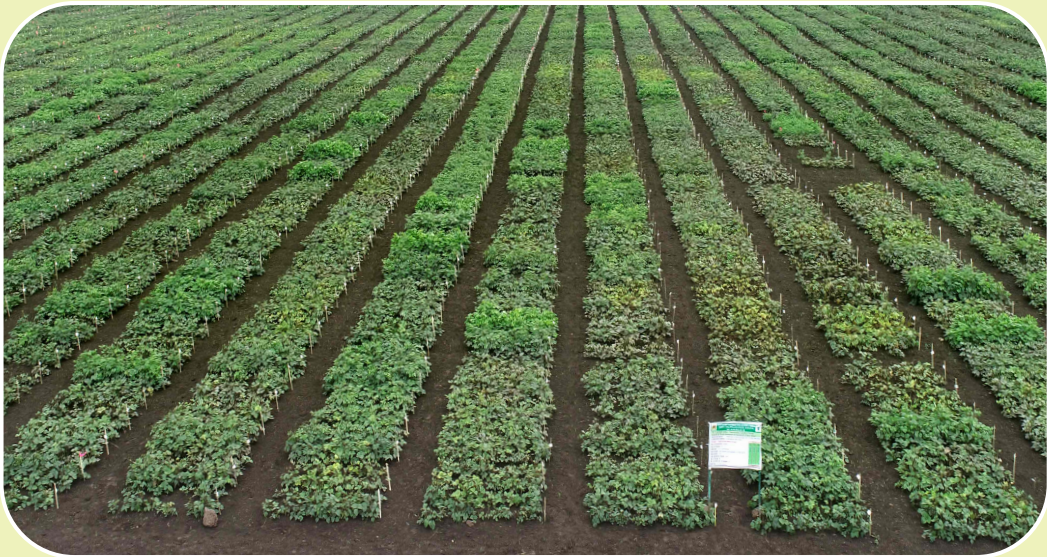
Visit of Shri. Dadaji Bhuse, Hon.Minister Agriculture, Govt. of Maharashtra to University Activities



Inauguration of Safflower Seed Storage Godown in presence of
Dr. M. Sujatha, Director, ICAR-IIOR, Hyderabad



Summer Soybean Seed Production



Green Gram Demonstration, Agriculture Research Station, Badnapur



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