

# ग्रामीण कृषि मौसम सेवा समाचार GKMS-News



**Quarterly Newsletter**  
**Volume-9, Number-1,**  
**January-March, 2021**

**Agricultural Meteorology Division**  
**India Meteorological Department**  
**Ministry of Earth Sciences**

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## **National Activities**

- Virtual interaction meeting among India Meteorological Department (IMD) and Agromet Field Unit (AMFU) officials under the chairmanship of Dr. M. Mohapatra, DGM, IMD was organised on 4<sup>th</sup> March 2021 to discuss activities performed by different AMFUs for strengthening of weather-based Agromet Advisory Services to farmers.
- Agrimet Division, IMD, Pune organised online familiarisation programme on “Preparation & Dissemination of Agromet Advisories at Block level” during 11-12 March 2021 under GKMS Scheme. This familiarisation programme was attended by 35 Subject Matter Specialists (SMS) and 25 Agromet Observers from different parts of the country. Dr. Kripan Ghosh, Head (Agrimet) & Scientist-F, Shri R. Balasubramanian, Scientist-E and Dr. Asha Latwal, Scientist-C participated & delivered lectures in the programme. Dr. Ashutosh Mishra, Scientist -D has also participated in the programme.
- IMD celebrated World Meteorological Day on 23<sup>rd</sup> March 2021. Dr. K. K. Singh, Head (Agromet) and Scientist-G, AASD, IMD, New Delhi and other officers of IMD participated in the event.
- Seven new District Agrometeorological Units (DAMUs) were established at Vizianagaram (Andhra Pradesh), West Sikkim (Sikkim), Lucknow (Uttar Pradesh), Yadgir & Kodagu (Karnataka), Bardhaman (West Bengal) and Puducherry in the quarter ending on 31<sup>st</sup> March 2021. Total 196 DAMUs have been established till now.



*Meetings /Workshop/Seminar/Training attended by officers of AASD, New Delhi, Agrimet, Pune, RMCs/MCs, AMFUs and DAMUs:*

- **Dr. K. K. Singh, Head (Agromet) and Scientist-G, AASD, IMD, New Delhi** participated in:
- Two days National Seminar on “A roadmap for National Education Policy (NEP) implementation in Agriculture education” organized at National Agricultural Science Complex, Delhi by ICAR-NAHEP during 1-2 February 2021.
  - **“AGRIVISION-2021”** on “Krishi Evam Atmanirbhar Bharat” organized by Vidyarthi Kalyan Nyas, Bhopal in collaboration with Indian Council of Agricultural Research (ICAR), New Delhi at NASC Complex New Delhi during 6–7 March, 2021. The convention was inaugurated by Hon’ble Agriculture Minister Shri Narendra Singh Tomar on 6<sup>th</sup> March, 2021.
  - Farmers fair and Meet on "Crop Residue Management" organized by KVK, Agra at Beechpuri campus, Agra on 13<sup>th</sup> March 2021 and at KVK, Etah on 14<sup>th</sup> March 2021. Dr. Singh explained GKMS project to the farmers.
  - 4<sup>th</sup> meeting of Project Monitoring & Advisory Committee (PMAC) organized on 12<sup>th</sup> February 2021 to monitor the periodic progress of the projects under ACROSS-IMD and to suggest suitable remedial measures for successful implementation of the activities.
  - One day Virtual meeting to review & deliberate on the study regarding challenges in the ongoing crop insurance schemes and suggestive recommendations under the Chairmanship of CEO of National Rainfed Area Authority (NRAA) organised by National Rainfed Area Authority (NRAA), Ministry of Agriculture & Farmers Welfare, New Delhi on 3<sup>rd</sup> March 2021.
  - Virtual meeting of the Fertiliser Association of India (FAI) Advisory Committee on “Agriculture Sciences” held on 12<sup>th</sup> March 2021 at FAI and made a presentation on “Rainfed situation during Monsoon 2021: Model based guidance”.
  - **Dr. K. K. Singh, Head (Agromet) and Scientist-G, AASD, IMD, New Delhi** conducted meeting with Vice-Chancellor of Acharya Narendra Deva University of Agriculture & Technology (NDVAT), Faizabad and other senior officials including Directorate of Elementary Education and Head of Department-Agromet on 22<sup>nd</sup> January 2021 regarding the GKMS activities of the university. He also discussed with Subject Matter specialist (SMS) and Observers working at two AMFUs & six DAMUs falling under the jurisdiction of the university regarding the recent developments and other issues followed by suggestions to improve the service quality.
- **Dr. Ranjeet Singh, Scientist-F, AASD, IMD, New Delhi** participated and provided inputs related to Weather for Crop Weather Watch Group (CWWG) meeting held on 22<sup>nd</sup> & 29<sup>th</sup> January 2021; 5<sup>th</sup>, 12<sup>th</sup>, 19<sup>th</sup> & 26<sup>th</sup> February, 2021 and 5<sup>th</sup>, 12<sup>th</sup>, 19<sup>th</sup> & 26<sup>th</sup> March, 2021 co-ordinated by Department of Agriculture and former Welfare (DAC&FW).



- **Dr. Kripan Ghosh, Head (Agrimet) & Scientist-F, IMD, Pune attended following meetings:**
  - Online meeting of Independent Committee, chaired by Prof. Sulochana Gadgil, organized by AASD, IMD, New Delhi to evaluate the performance of the GKMS Scheme on 6<sup>th</sup> January 2021.
  - Meeting of the Part II of First Session of Commission for Weather, Climate, Water and related environmental service and applications SERCOM-1(II) organised by WMO during 22-26 February 2021 through virtual platform.
  - Meeting on “Dissemination of Block Level Weather forecast on daily basis to all RMCs/MCs” organised by AAS Division, IMD, New Delhi on 24<sup>th</sup> February 2021.
  
- **Dr. Kripan Ghosh, Head (Agrimet) & Scientist-F, IMD, Pune and Shri R. Balasubramanian, Scientist-E, Agrimet Division, IMD, Pune attended the following online meetings:**
  - Online Review meeting of GKMS organized by AASD, IMD, New Delhi on 8<sup>th</sup> January 2021.
  - Online meeting on “Soil Moisture measuring system based on cutting edge technology in identified focused areas” organized by Indian Institute of Technology (IIT), Madras on 11<sup>th</sup> January 2021.
  - Online meeting regarding possibilities of Instrumentation project with IMD organized by HQ, DGM, New Delhi on 12<sup>th</sup> January 2021.
  - Online meeting on “National Dialogue on Indian Agriculture towards 2030” during 19-22 January 2021 jointly organized by NITI Aayog, Ministry of Agriculture and Farmers Welfare, Food and Agriculture organization of United Nations (FAO) and IMD, New Delhi.
  - Meeting on “Strengthening of Agromet Services under GKMS” organised by Agromet Advisory Services Division (AASD), New Delhi on 17<sup>th</sup> February 2021.
  - Virtual Interaction meeting on 4<sup>th</sup> March 2021 between IMD and AMFU officials.
  - Agromet Services Review Meeting on 10<sup>th</sup>, 16<sup>th</sup> and 24<sup>th</sup> March 2021.
  - Virtual International conference organised by Indian Institute of Tropical Meteorology on “Future directions of Sub seasonal to Seasonal Prediction over South Asia” during 29-31 March 2021.
  - Meeting on progress of 200 Agro Automatic Weather Station (AWS) installation under GKMS on 31<sup>st</sup> March 2021.
  
- **Smt Priyanka Singh, Scientist-C & Dr. Lata Vishnoi, Scientist-C, AASD, IMD, New Delhi** participated in online meeting on “Severe weather reporting module through crowd sourcing interface (near real-time viewing of weather situations like heavy rains, thunderstorms, lightening, hailstorm, dust storm, fog, crop damage etc.) for all SMSs of DAMUs throughout the country on 1<sup>st</sup> February 2021.
  
- **Shri Nagaraju Dharavath, SMS(Agromet), DAMU, Bhadradi, Kothagudem, Telangana** attended the training programme on “Climatic change, impact, assessment and mitigation in Agriculture” during 4-6 January 2021 organized by Punjab Agricultural University (PAU) Ludhiana.

- **Dr. Mahender Singh, Nodal officer and Dr. Veena Sharma, Technical officer, AMFU, Chatha, Jammu & Kashmir** attended online meeting of AMFUs and DAMUs of J&K, U.T. of India organized by Head MC-Srinagar on 10<sup>th</sup> March 2021.
- **Dr. Veena Sharma, Technical officer, AMFU, Chatha, Jammu & Kashmir** as one of the cofounder attended the virtual meeting organized by South Asian Forum on Agriculture Meteorology (SAFOAM) for the Core Group III on theme “Utilisation of Satellite Derived Products in Agromet Advisory Services for South Asian Countries” on 27<sup>th</sup> February 2021.
- **Dr. P. Balasubramanian, Technical Officer AMFU, Ooty Tamil Nadu** participated in an Online National Webinar on “Advances and Future Outlooks in Renewable Energy Engineering” on 24<sup>th</sup> February 2021 organised by AEC & RI, TNAU, Coimbatore and National Conference on “6<sup>th</sup> National Youth Convention” organised by AIASA & PJTSAU, Hyderabad during 20-21 February 2021.

## Lectures

- **Dr. K. K. Singh, Head (Agromet) & Scientist-G, AASD, IMD, New Delhi** delivered lecture on :
  - “Use of extended/ seasonal climate forecast for risk management in agriculture” to scientists and students in Agriculture during online three days training programme on “Climate change, impact, assessment and mitigation in Agriculture” organized by School of Climate Change and Agromet, PAU, Ludhiana on 4<sup>th</sup> January 2021.
  - “Use of Numerical Model Forecast for Agriculture Sector: Handling Uncertainty” in the online workshop organised by National Centre for Medium Range Weather Forecasting (NCMRWF) on use of EPS products during 20-22 January 2021.
  - “Agromet Advisory Service: Challenges and Opportunity” for PG & Ph.D. students of Govind Ballabh Pant University of Agriculture & Technology, Pantnagar during 3 days training on “Novel Application of Weather Forecasting and Agromet Advisory in Agriculture” on 27<sup>th</sup> January 2021.
- **Dr. Kripan Ghosh, Head (Agrimet) & Scientist-F, IMD, Pune** delivered lecture on “Climate risk assessment strategies, preparedness for weather and climate risks in agriculture” on 11<sup>th</sup> January 2021 through virtual mode for PG and Ph.D. students of E-course on “Climate Resilient Agriculture” organised by Department of Agricultural Biotechnology, Assam Agricultural University, Jorhat."
- **Shri. Ejaful Ahmed, DAMU, Cachar, Assam** delivered lectures on:
  - “Importance of Advisory Services in agricultural production and mitigation of weather hazards through weather forecast” during workshop on “Petroleum Conservation Research Association (PCRA)” on 18<sup>th</sup> March 2021 at KVK Cachar.
  - “Application of weather forecast for crop planning through Agromet Advisory Bulletin” at KVK Cachar on 22<sup>nd</sup> March 2021.
  - “Agromet Advisory Services, Instruments of weather parameters and role of Weather and Climate in Agriculture” to the students of Class IX, X, XI & XII at KVK Cachar on 5<sup>th</sup> & 6<sup>th</sup> February 2021.

- **Shri Nagaraju Dharavath, SMS (Agromet), DAMU, Bhadrachalam, Kothagudem, Telangana** delivered lecture on "Agromet Advisory Services importance" to the extension functionaries in the Awareness Program on Farmer Producer Organizations (FPOs) at APMC Market Yard, Laxmidevipally on 12<sup>th</sup> January 2021.
- **Dr. Sameera Qayoom, AMFU, Srinagar, Jammu & Kashmir** delivered lecture on "Introduction to crop Simulation modelling" and "Minimum Data Set requirement in crop modelling" in 10 days Skill Development Course on "DSSAT as a tool for Research in Agriculture and Allied Sciences" on 17<sup>th</sup> March 2021.
- **Dr. Mahender Singh, Nodal officer, AMFU, Chatha, Jammu** presented the research paper entitled "Analysis of monthly temperature and rainfall trends for Kathua district of Jammu region" in Virtual National Conference on Strategic Re-orientation for Climate Smart Agriculture (VAGMET 2021) organized by Punjab Agricultural University (PAU), Ludhiana in collaboration with Association of Agrometeorologist during 17-19 March 2021.
- **Dr. Lobzang Stanzen, SMS (Agrometeorology), DAMU, KVK Reasi, Jammu and Kashmir** participated and delivered a lecture on "Importance of Agromet Advisories" in three days vocational Training Programme on Value Addition in Floriculture at Sirah village, Reasi, organized by KVK, Reasi during 4- 6 January 2021.
- **Shri. Patel Abhinav Nalinchandra, SMS, DAMU Surat, Gujarat** delivered lecture on:
  - "Different activities of DAMU, weather forecasting, Agromet Advisory Service and agrometeorological observatory" to students of Rai Agriculture University on 11<sup>th</sup> March 2021. Students were made aware about uses of Meghdoot and Damini application and they were requested to popularize these applications during their Rural Agriculture Work Experience in different villages of Surat district.
  - "Agro-meteorological observatory, forecast system in India and present Scenario of Agrometeorology in India" to students of Sarvajanic College of Engineering and Technology College, Gujarat on 16<sup>th</sup> March 2021.
- **Shri. Premdeep, SMS, DAMU, Sonapat Haryana** delivered oral presentation of the research work entitled "Validation of DSSAT Model for Wheat under different sowing environments" in the Virtual National Conference on "Strategic Reorientation for Climate Smart Agriculture" (V-AGMET) during 17-19 March 2021 organized by Punjab Agricultural University, Ludhiana in collaboration with Association of Agrometeorologist during 17-19 March 2021. **Shri Anunayana T. John, SMS (Agrometeorology) DAMU, Kollam, Kerala** delivered lecture on "Weather forecasting, its importance and methods adopted" in campus Training Programme organised by KVK Kollam to DAESI participants on 5<sup>th</sup> February 2021.

## **Publication**

- **Research Papers by Dr. Ananta Vashisth, Nodal Officer, AMFU, New Delhi:**
  - Jitendra Kumar, Ananta Vashisth, Nishant K. Sinha, M. Mohanty, Alka Rani and R. S. Chaudhary (2021). Application of Ground-Based Remote Sensing in Identifying Biotic Stress: A Review Research Biotica 2021, 3(1):028-032

- Vashisth, Ananta. Importance of weather based Agromet Advisories for enhancing the production and income of the farmers in the International Conference on New Paradigms for Agriculture, Food and Sustainability Concerns (NPAFSC-2021) 26-28 February, 2021 PP: 33
- **Abstracts by Dr. Mahender Singh, Nodal officer and Dr. Veena Sharma, Technical officer, AMFU, Chatha, Jammu & Kashmir:**
  - **Veena Sharma, Mahender Singh, Sharma B.C** 2021. Accuracy of Rainfall Forecast for Jammu District to Issue Agromet Advisory. Abstract e book 2nd Asian Web Conference Managing Hill Resources and Diversities for Zero Hunger And Climate Resilience. 12-13 February, 2021.
  - **Veena Sharma and Mahender Singh.** 2021. Usability of Weather Forecast to issue Agromet Advisory for Jammu District. Virtual National Conference on “Role of Agromet Advisories to boost the livelihood security of rural masses (V-AGMET 2021)”. March 17-19, 2021 at Punjab Agricultural University, Ludhiana, Punjab.
- **Book chapters by Dr. Mahender Singh, Nodal officer and Dr. Veena Sharma, Technical officer, AMFU, Chatha, Jammu & Kashmir;**
  - **Sharma Veena.** 2021. Role of Agro Advisory Services and Agromet Products in Farmers Decision Making Under Climate Change Era. Compendium on 2 days training programme “Climate Change, Agriculture and Food Security”. organized by State Agricultural Management & Extension Training Institute, SKUAST--Jammu w.e.f 16-17 January 2021.
  - **Singh Mahender.** 2021, Microclimatic Modifications to Manage Extreme Weather Vulnerability and Climatic Risks in Crop Production. Compendium on 2 days training programme “Climate Change, Agriculture and Food Security”. organized by State Agricultural Management & Extension Training Institute, SKUAST--Jammu w.e.f 16-17 January 2021.
- **Compendium by Dr. Veena Sharma, Technical officer, AMFU, Chatha, Jammu & Kashmir:**

**Sharma Veena,** 2021. Compendium on 2 days training programme “Climate Change, Agriculture and Food Security”. organized by State Agricultural Management & Extension Training Institute, SKUAST--Jammu w.e.f 16-17 January 2021.
- **Research paper by Shri. Dharmendra Aghase, SMS, DAMU, Balaghat Madhya Pradesh**
  - Trends and Decadal Linear Growth Rate of Area, Production and Productivity of Gram in Balaghat District of Madhya Pradesh Hemant Rahangdale, R. L. Raut and D. R. Agashe\* KVK Balaghat, J.N.K.V.V. Jabalpur M.P., India, *Int. J. Curr. Microbiol. App. Sci* (2021) 10(03): xx-xx
- **Book Published by DAMU, Balaghat, Madhya Pradesh on :**
  - “Model Q and A in Agricultural Meteorology” by Pandhurang Bobade, SMS (Agromet), KVK, Baikunthpur, Korea, Indira Gandhi Krishi Vishwavidyalaya, Raipur and D. R. Agashe, SMS (Agromet), KVK, Balaghat, JNKVV, Jabalpur, Madhya Pradesh.



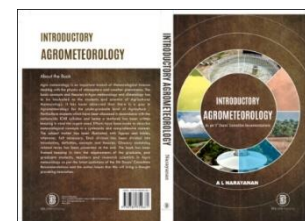
- “Model Objectives in Agricultural Meteorology” by Dr. Sachin Mundhe SMS (Agromet) KVK, Durgapur, Amravati, Maharashtra and D. R. Agashe, SMS (Agromet), KVK, Balaghat, JNKVV, Jabalpur, Madhya Pradesh.
- “Weather and climate services for farmers in India” by D. R. Agashe, SMS (Agrometeorology), KVK, Balaghat JNKVV Jabalpur and Dr. R. L. Raut, (Senior Scientist and Head), KVK Balaghat
- “Wind and its effect on environment” by Surbhi Jain, SMS (Agrometeorology), KVK Rajnandgaon and D. R. Agashe, SMS (Agrometeorology), KVK, Balaghat JNKVV Jabalpur.

➤ **Abstract by Dr. Fakeerappa Arabhanvi, SMS, KVK Gangavathi (Koppal), Raichur, Karnataka:**

- **Fakeerappa Arabhavi, Ravi M.V., & Mamatha Madli, 2021, Weather forecast Agromet Advisory Services to farmers on a real time basis through Meghdoot mobile app** Abstract published in proceedings of “ICT based e-resources for smart agriculture—a journey towards Atmanirbhar Bharat Post Covid-19 pandemic situation held at UAS, Raichur during 16-17<sup>th</sup> March 2021
- **Fakeerappa Arabhavi, Ravi M.V., & Mamatha Madli, 2021, Dhamini lightning alert app to farmers.** proceedings of “ICT based e-resources for smart agriculture – a journey towards Atmanirbhar Bharat Post Covid-19 pandemic situation held at UAS, Raichur during 16-17<sup>th</sup> March 2021.

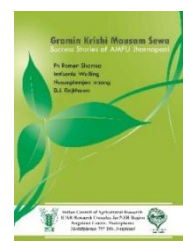
➤ **Book Chapter by Shri. Premdeep, SMS, DAMU Sonipat, Haryana:** Premdeep, M. L Khichar, Ram Niwas (2021). Special Forecasts for Natural Calamities. Mahima Research Foundation and Social Welfare, ISBN: 978-81-943375-4-6.pp.113-129.

➤ **Dr. A. L. Narayanan, Nodal Officer Karaikal, Puducherry** has written a book entitled Introductory Agrometeorology published by Brillion Publishing. 22B/5 Ground floor, Desh Bandhu Gupta Road, Karol Bagh, New Delhi 110005. ISBN:978-93-86658-32-6 on 25<sup>th</sup> February 2021.



➤ **DAMU, Cachar, Assam** published “Leaflet on Importance of Agrometeorological Advisory Services (AAS) in the Agricultural sector” on 9<sup>th</sup> January 2021.

➤ **AMFU, Jharnapani, Nagaland:** Released a booklet “**Success Stories of AMFU Jharnapani**” Author by Ph. Romen Sharma, Imtisenla Walling (Technical Officer), Nusungtemjen Imsong and D. J. Rajkhowa and a wall hanging Agromet Advisories monthly calendar in local language ‘**Nagamese**’ on 28<sup>th</sup> January 2021.



## Training

➤ **Shri Savaliya Ankur Vinodbhai, SMS (Agricultural Meteorology), KVK Jamnagar, Gujarat** participated in online training on “Climate change, impact, assessment and mitigation in Agriculture” during 4-6 January 2021 organized by Department of Climate Change and Agricultural

Meteorology, Punjab Agricultural University, Ludhiana and other online training on “Community Based Disaster Risk Assessment and Management” organized by National Institute of Disaster Management, Ministry of Home Affairs, Govt. of India, New Delhi on 10<sup>th</sup> February 2021.

- **Shri Nagaraju Dharavath, SMS, DAMU, Bhadradi Kothagudem, Telangana** attended the training programme on “Climatic change, impact, assessment and mitigation in Agriculture” during 4-6 January 2021 organized by Punjab Agricultural University, Ludhiana.
- **Shri Nagaraju Dharavath, SMS, DAMU, Bhadradi, Kothagudem, Telangana** attended the training programme on “Climatic smart extension strategies organized by Professor Jayashankar Telangana State Agriculture University from during 3-5 February 2020 through online.
- **AMFU, Chatha, Jammu** conducted 2 days training programme on “Climate Change, Agriculture and Food Security” for line department officers being funded by State Agricultural Management & Extension Training Institute, SKUAST--Jammu w.e.f 16-17 January 2021 with popularization of Agromet Advisory Services and Mobile Apps (Meghdoot & Damini) as one of the components of training
- One day training program was organised at **KVK Valsad, Gujarat** on “Weather forecast and its application in agriculture” on 31<sup>st</sup> March 2021. Farmers were informed about AWS and weather forecast and its utility in agriculture.
- **Shri K. Thulasiram, Senior Scientist and Head ICAR-KVK, Kolar, Karnataka** participated in campus training programme on “Climate Change and Weather forecasting services in Agriculture” on 11<sup>th</sup> January 2021.
- **Dr. Mahender Singh, Nodal officer and Dr. Veena Sharma, Technical officer, AMFU, Chatha, Jammu & Kashmir** attended the two days online training programme on “Dynamic Crop Weather Calendar, DCWC organized by IMD, New Delhi on 4<sup>th</sup> & 11<sup>th</sup> March 2021.
- **Dr. Mahender Singh, Nodal officer, AMFU, Chatha, Jammu** participated in following training programme:
  - On “National and International Agricultural Higher Education Opportunities” organized by the Post Graduate Institute & National Agricultural Higher Education Project (NAHEP) of Indian Council of Agricultural Research (ICAR), New Delhi on Centre for Advanced Agricultural Science and Technology (CAAST) for Climate Smart Agriculture and Water Management (CSAWM), Mahatma Phule Krishi Vidyapeeth, Rahuri (Maharashtra) during 15-18 February 2021.
  - On “Climate change, impact, assessment and mitigation in Agriculture” during 4-6 January 2021 organized by Punjab Agricultural University, Ludhiana funded by Science & Engineering Research Board (SERB), New Delhi.



- **Shri. Athar Nishat Islam, Technical Officer, AMFU, Jorhat, Assam** participated in a five-day training on "Advanced Geospatial Analytics using Earth Observation data" under the World Bank funded project APART during 5-9 January, 2021 at SIPC Conference Hall, Sixmile, Guwahati with the support of IRRI, Philippines.
- **Dr. P. Balasubramanian, Technical Officer AMFU, Ooty Tamil Nadu** participated in online training programme during 16-18 March 2021 organised by MANAGE, Hyderabad to Strengthen







Rainfed Production Systems for Doubling of Farmers Income and other online training programme on “Resilient Infrastructure in Hilly Areas: Avalanche, GLOF & Debris Flow” during 18-20 February 2021 organised by NIDM, Ministry of Home Affairs, GOI.

## Popularization of GKMS

- **Dr. Ananta Vashisth, Nodal Officer, AMFU, New Delhi** participated in
  - Live program on APN national news “Desh Kee Baat” on 1<sup>st</sup> January 2021.
  - “DD Kisan Vicharvimersh: मौसम और खेती” on 8<sup>th</sup> January 2021.
  - All India Radio FM Gold live program Ksan Kee Baat on 6<sup>th</sup> January 2021: Topic पाले और शीतलहर से फसलों का बचाव
- **Dr. K. Indudhar Reddy, Technical Officer, AMFU, Hyderabad** delivered a Radio talk in All India Radio on “Metta Vyavsayamlo Savallu Mariyu Parishkaralu” broadcasted on 20<sup>th</sup> February 2021 and on topic “Vaathavarana Aadharitha Pantala Saagu Mariyu Pranalika” on 22<sup>nd</sup> February 2021.
- **DAMU Surat, Gujarat** published News article on 21<sup>st</sup> February 2021 in different popular newspapers in Surat district- Gujarat, namely Divya-Bhasakar, Sandesh and Dhabkar. Information about DAMU Project, details about weather forecast, Agromet Advisory and how one can avails advisories were given in the article. Details of Meghdoot and Damini application were also given.
 
- **DAMU Valsad, Gujarat** published an article on “DAMU project” in Science corner -Damanganga News Paper on 12<sup>th</sup> March, 2021.
 
- **DAMU Kollam, Kerala** celebrated World Meteorological Day on 23<sup>rd</sup> March 2020 by organizing farmers meet. Dr. Bini Sam, Senior Scientist & Head, KVK Kollam officially released the CD entitled “Meghdoot & Damini: An introductory video”. This CD comprise of an introductory video on KVK Kollam and its various services to the farmers, information of weather based mobile applications like Meghdoot & Damini, its usage, importance, relevance etc. Also a video on the topic “Climate change in Kerala; Mitigation and adaptation techniques in Agriculture” for a duration of 51 minutes had been made and uploaded in YouTube channel (Link: <https://youtu.be/CTwnVpcWbp>) named “District Agrometeorological Unit KVK Kollam” on 28<sup>th</sup> January 2021.
 
- **Dr. A. L. Narayanan, Nodal Officer, Karaikal, UT of Puducherry** participated in Live Radio talk to discuss Climate resilient crops like Ragi cultivation on 6<sup>th</sup> March 2021 for online farmers of Karaikal, Tiruvarur, Nagai villages.
 

- **Dr. Mahender Singh, Nodal officer and Dr. Veena Sharma, Technical officer, AMFU, Chatha, Jammu** has developed an android mobile app viz., Kisan Hetashi based on dynamic weather information for farmers of Jammu region which was released by Sh Manoj Sinha, The Honourable Lieutenant Governor of Jammu and Kashmir and is available on the University website.
- **Dr. Banarasi Lal, Nodal Officer, DAMU Resai, Jammu & Kashmir:**
  - Dr. Banarsi Lal, Senior Scientist & Head, KVK Reasi and Dr. Vikas Tandon, Professor, SKUAST-J published popular article on ‘Promotion of Zero Budget Natural Farming’ in Early Times on 2<sup>nd</sup> February 2021.
  - Dr. Banarsi Lal, Senior Scientist & Head, KVK Reasi and Dr. Pawan Sharma, SMS, KVK Kathua published popular article on ‘Sustainable Agriculture through Organic Farming’ in Early Times on 6<sup>th</sup> February 2021.
  - Dr. Banarsi Lal, Senior Scientist & Head, KVK Reasi and Dr. Amrish Vaid published popular article on “Valuing water” in J&K leading News Paper “Early Times” on 24<sup>th</sup> March 2021.

## Achievement

- **Dr. Ananta Vashisth, Nodal Officer, AMFU, New Delhi** received Fellow of Agriculture letter award during International Conference on New Paradigms for Agriculture, Food and Sustainability Concerns (NPAFSC-2021) during 26-28 February, 2021. 
- **Dr. Veena Sharma, Technical officer, AMFU, Chatha, Jammu & Kashmir** nominated as member reviewer committee of 2021 on LISBON 26<sup>th</sup> International Conference on “Food, Agriculture, Biological and Environmental Sciences” (FABES-21) May 18-20, 2021 Lisbon (Portugal). **Dr. Veena Sharma** received **Best oral presentation Award** for research paper “Accuracy of Rainfall Forecast for Jammu district to issue Agromet Advisory” at 2<sup>nd</sup> Asian Web Conference: Managing Hill Resources and Diversities For Zero Hunger and Climate Resilience organized by Soil Conservation Society of India (SCSI), Meghalaya Chapter, Barapani, India in collaboration with Central Agricultural University, Imphal, India w.e.f. 12-13 February 2021. 
- **Dr. K. Indudhar Reddy, Technical Officer, AMFU Hyderabad** received **Best Poster Award** for the presentation on “Economic impact assessment of Agromet Advisory Services (AAS) in Southern Telangana Zone” at Virtual national conference on “Strategic reorientation for climate smart agriculture V-AGMET 2021” during 17 - 19 March 2021. 
- **Dr. Yogesh Kumar, KVK, ICAR-NDRI, Karnal, Haryana** received appreciation letter by ICAR-NDRI for a published article entitled “फसल अवशेष प्रबंधन” in esteemed magazine Dugdh Ganga. 

## Farmers Awareness Programme (FAP)

Farmers' Awareness Programme (FAP) are being organized in different states by India Meteorological Department (IMD), Agromet Field Units (AMFUs) and DAMUs with objectives of creating awareness about usefulness of Agromet Advisory Services (AAS) and weather/climate information among the farming community and also to help to increase the interaction between the local farming communities and the Meteorological Centres (MCs), AMFUs and Krishi Vigyan Kendra (KVK). Officers also explained Meghdoot and Damini Application during the FAP. Meghdoot is a joint initiative of the IMD and Indian Council for Agriculture Research (ICAR) to bring high resolution weather forecast based Agromet Advisories to farmers in vernacular. The Meghdoot App allows farmers and interested users to access these advisories in a user friendly manner. Indian Institute of Tropical Meteorology (IITM), Pune developed a Mobile App called "DAMINI" to give alerts on impending lightning activity over the area and The DAMINI App is available from Play Stores. During the FAPs, mobile numbers of farmers were collected to register in mkisan portal.

### Total 81 FAPs conducted by 33 AMFUs during the period 01-01-2021 and 31-03-2021

Name of the State	Name of User Uploaded FAP	Date of FAP	District Name	Block Name	Village Name	No of Farmers Attended FAP	No. of Farmers using Meghdoot App
Arunachal Pradesh	AMFU_Basar	23-02-2021	West Siang	Basar	Gori	49	25
Assam	AMFU_Gosaigaon	08-02-2021	Kokrajhar	Gosaigaon	Mokrambil	70	25
	AMFU_Gosaigaon	11-02-2021	Kokrajhar	Kachugaon	Maktaigaon	69	20
	AMFU_Gosaigaon	13-02-2021	Kokrajhar	Dotma	Kot Para	63	10
	AMFU_Shillongani	03-03-2021	Nagaon	Pachim-Kaliabor	Samaguri Grant	35	12
Chhattisgarh	AMFU_Jagadalpur	10-03-2021	Bastar	Bakawand	Ulnar	52	7
	AMFU_Jagadalpur	17-03-2021	Bijapur	Bijapur	Papanpal	57	6
	AMFU_Jagadalpur	22-03-2021	Kondagaon	Pharasaon	Lanjoda	43	4
Gujarat	AMFU_Anand	06-01-2021	Anand	Petlad	Bhavanipura	45	15
	AMFU_Junagadh	13-01-2021	Junagadh	Mendarda	Samdhiyala	48	36
	AMFU_Maktampur	18-03-2021	Bharuch	Hansot	Katpor	120	51
	AMFU_Navsari	25-02-2021	Navsari	Navsari	Boriach Partapor Mogar Un Navsari	55	25
	AMFU_Targhadia	10-03-2021	Rajkot	Rajkot	Villages Of Rajkot District	80	35
Karnataka	AMFU_Bidar	21-01-2021	Bidar	Bidar	Halladakeri	114	60
	AMFU_Raichur	28-01-2021	Raichur	Raichur	Jakkaladinni	52	32
	AMFU_Raichur	28-01-2021	Raichur	Manvi	Jakkaladinni	32	32
	AMFU_Raichur	03-02-2021	Raichur	Lingsugur	Raitanagar Camp	22	10
	AMFU_Raichur	04-02-2021	Raichur	Devadurga	Adakalagudda	35	12
	AMFU_Raichur	19-02-2021	Raichur	Devadurga	Bhoomanagunda	78	28
	AMFU_Sirsi	01-02-2021	Uttara Kannada	Sirsi	Gudnapur	100	27
	AMFU_Sirsi	06-02-2021	Uttara Kannada	Bhatkal	Kogti	45	15
	AMFU_Vijayapura	03-02-2021	Vijayapura	Indi	Bhirunagi Village of Indi Taluka	35	10
	AMFU_Vijayapura	04-02-2021	Vijayapura	Indi	Kvk Indi	80	25
	AMFU_Vijayapura	23-03-2021	Vijayapura	Vijayapura	Vijayapura	55	55

Madhya Pradesh	AMFU_Indore	11-02-2021	Shajapur	Shajapur	Shajapur	100	100
Maharashtra	AMFU_Kolhapur	02-02-2021	Kolhapur	Panhala	Porle Tarf Bargaon	55	45
	AMFU_Kolhapur	17-02-2021	Kolhapur	Chandgad	Hajgoli	42	38
	AMFU_Mulde	10-03-2021	Sindhudurg	Kudal	Mulde	50	15
Meghalaya	AMFU_Barapani	13-01-2021	Ri Bhoi	Bhoirymbong	Khwenng	22	6
	AMFU_Barapani	18-03-2021	West Khasi Hills	Mairang	Pyndengumiong Dong	28	12
	AMFU_Barapani	26-03-2021	West Jaintia Hills	Thadlaskein	Nartiang Village	30	13
Mizoram	AMFU_Kolasib	13-01-2021	Champhai	Khawbung	Vangchhia	38	22
	AMFU_Kolasib	14-01-2021	Champhai	Champhai	Tualcheng	42	18
	AMFU_Kolasib	15-01-2021	Champhai	Khawbung	Farkawn	40	29
	AMFU_Kolasib	16-01-2021	Champhai	Khawbung	Vaphai	46	9
	AMFU_Kolasib	19-01-2021	Serchhip	East-Lungdar	East Lungdar	18	0
	AMFU_Kolasib	19-01-2021	Serchhip	East-Lungdar	Sailulak	21	8
	AMFU_Kolasib	20-01-2021	Aizawl	Thingsulthliah	Hmawngkawn	19	5
	AMFU_Kolasib	21-01-2021	Lunglei	Lunglei	Ramthar	20	11
	AMFU_Kolasib	22-01-2021	Lunglei	Lunglei	Mualcheng South	18	5
	AMFU_Kolasib	23-01-2021	Saiha	Tuipang	Phura	22	0
Nagaland	AMFU_Jharnapani	28-01-2021	Dimapur	Chumukedima	Vidima Village	34	3
	AMFU_Jharnapani	16-02-2021	Phek	Pfutsero	Lisheimi Village	38	3
	AMFU_Jharnapani	02-03-2021	Dimapur	Chumukedima	Virazouma Village	34	2
	AMFU_Jharnapani	11-03-2021	Peren	Jalukie	Jalukie Town	52	1
	AMFU_Jharnapani	18-03-2021	Dimapur	Dhansiripar	Ganeshnagar	83	8
Odisha	AMFU_Similiguda	15-03-2021	Koraput	Semiliguda	Maliput	50	6
	AMFU_Similiguda	16-03-2021	Koraput	Nandapur	Muliaput	50	5
	AMFU_Similiguda	23-03-2021	Koraput	Semiliguda	Tentuliguda	50	7
	AMFU_Similiguda	24-03-2021	Koraput	Pottangi	Mulasankar	50	4
Tamil Nadu	AMFU_Ooty	10-03-2021	The Nilgiris	Udhagamandalam	Ooty	65	50
Telangana	AMFU_Hyderabad	11-01-2021	Sangareddy	Sangareddy	Sangareddy	34	15
	AMFU_Hyderabad	28-01-2021	Nagarkurnool	Nagarkurnool	Ippalapally	20	6
	AMFU_Hyderabad	03-02-2021	Mahabubnagar	Mahabubnagar	Mahabubnagar	32	10
Uttar Pradesh	AMFU_Kanpur	03-03-2021	Kanpur Nagar	Patara	Block Vidhnu Vill Bhairampur	62	35
	AMFU_Kanpur	06-03-2021	Kanpur Nagar	Kalyanpur	Naramau	31	15
	AMFU_Modipuram	15-01-2021	Muzaffarnagar	Jasnath	Nuna Khedi	60	30
	AMFU_Modipuram	12-02-2021	Meerut	Meerut	Moidinpur	200	50
Uttarakhand	AMFU_Pantnagar	09-02-2021	Udham Singh Nagar	Rudrapur	Pantnagar	17	17
	AMFU_Pantnagar	15-02-2021	Udham Singh Nagar	Rudrapur	Pantnagar	25	16
	AMFU_Ranichauri	10-03-2021	Tehri Garhwal	Chamba	Weer	40	0
	AMFU_Roorkee	14-01-2021	Haridwar	Roorkee	Bahadarpur Saini	23	5
	AMFU_Roorkee	14-02-2021	Haridwar	Laksar	Alawalpur	40	1
	AMFU_Roorkee	23-03-2021	Dehradun	Doiwala	Bullawala	26	4
West Bengal	AMFU_Kakdwip	08-01-2021	South 24 Parganas	Kulpi	Tulsirchak	50	3
	AMFU_Kakdwip	27-01-2021	South 24 Parganas	Kak-Dwip	Akshayanagar	50	2
	AMFU_Kakdwip	30-01-2021	South 24 Parganas	Pathar-Pratima	Kisharipur	36	5
	AMFU_Kakdwip	17-02-2021	South 24 Parganas	Kak-Dwip	Manmathapur	52	4

	AMFU_Kakdwip	03-03-2021	South 24 Parganas	Sagar	Naraharipur	53	2
	AMFU_Kalimpong	05-03-2021	Kalimpong	Kalimpong-I	Sungdung Busty	34	5
	AMFU_Kalimpong	18-03-2021	Kalimpong	Kalimpong-Ii	Biruk	30	3
	AMFU_Kalyani	19-01-2021	Nadia	Kalyani	Kumarpur-Ataliya	65	0
	AMFU_Kalyani	19-02-2021	Nadia	Kalyani	Sarati	45	0
	AMFU_Kalyani	15-03-2021	Nadia	Kalyani	Chandamari	37	0
	AMFU_Kharagpur	20-02-2021	Paschim Medinipur	Midnapore	Ellaboni	43	10
	AMFU_Kharagpur	13-03-2021	Paschim Medinipur	Kharagpur-Ii	Haripur	20	5
	AMFU_Majhian	09-02-2021	Malda	Gazole	Dakshin Para	60	18
	AMFU_Majhian	10-02-2021	Dakshin Dinajpur	Kumarganj	Mondal Para	32	12
	AMFU_Majhian	11-02-2021	Dakshin Dinajpur	Hili	Ghosh Para	29	8
	AMFU_Pundibari	20-01-2021	Uttar Dinajpur	Chopra	Dhuliyagachh	80	14
	AMFU_Pundibari	21-01-2021	Uttar Dinajpur	Karandighi	Machhol	80	20

**Total 337 FAP conducted by 74 DAMUs during the period 01-01-2021 and 31-03-2021**

State Name	Name of DAMU	Date of FAP	District Name	Block Name	Village Name	No of Farmers Attended FAP	No. of Farmers using Meghdoot App
Andhra Pradesh	DAMU_East_Godavari	19-02-2021	East Godavari	Peddapuram	Peddapuram	42	19
	DAMU_Kurnool	12-02-2021	Kurnool	Yemmiganur	Kvk Banavasi	52	12
	DAMU_Kurnool	17-02-2021	Kurnool	Yemmiganur	Kvk Banavasi	46	11
	DAMU_Kurnool	17-03-2021	Kurnool	Yemmiganur	Kvk Banavasi	46	11
Assam	DAMU_Hailakandi	02-03-2021	Hailakandi	Lala	Dholcherra	21	0
	DAMU_Hailakandi	06-03-2021	Hailakandi	Algapur	Algapur Part Five	13	0
Bihar	DAMU_Banka	23-03-2021	Banka	Banka	Banka	40	26
	DAMU_Gaya	03-02-2021	Gaya	Amas	Tillaiya	21	0
	DAMU_Gaya	10-03-2021	Gaya	Manpur	Krishi Vigyan Kendra	40	0
	DAMU_Gaya	18-03-2021	Gaya	Manpur	Gangati	56	5
	DAMU_Gaya	22-03-2021	Gaya	Manpur	Krishi Vigyan Kendra	45	8
	DAMU_Gaya	27-03-2021	Gaya	Manpur	Krishi Vigyan Kendra	27	0
	DAMU_Jamui	16-01-2021	Jamui	Jamui	Amba	24	0
	DAMU_Jamui	21-01-2021	Jamui	Gidhor	Sewa	20	0
	DAMU_Jamui	01-02-2021	Jamui	Gidhor	Tari Paharpur	21	0
	DAMU_Jamui	01-02-2021	Jamui	Sono	Churhait	23	0
	DAMU_Jamui	03-02-2021	Jamui	Islamnagar-Aliganj	Gahlaur	33	0
	DAMU_Jamui	04-02-2021	Jamui	Islamnagar-Aliganj	Kodwariya	29	0
	DAMU_Jamui	10-02-2021	Jamui	Sikandra	Raghunathpur	24	0
	DAMU_Jamui	11-02-2021	Jamui	Jamui	Nimarang	16	0
	DAMU_Jamui	11-02-2021	Jamui	Jamui	Maniadda	12	0
	DAMU_Jamui	02-03-2021	Jamui	Khaira	Nariyana	14	0
	DAMU_Katihar	06-01-2021	Katihar	Katihar	Mirchaibari	35	9
	DAMU_Katihar	16-01-2021	Katihar	Katihar	Tingachhiya	35	7
	DAMU_Katihar	18-01-2021	Katihar	Korha	Durgapur	30	7



	DAMU_Katihar	19-01-2021	Katihar	Katihar	Bari Bathna	40	5
	DAMU_Katihar	23-01-2021	Katihar	Korha	Mirjapur	35	6
	DAMU_Nawada	06-01-2021	Nawada	Roh	Rupo	30	3
	DAMU_Nawada	13-01-2021	Nawada	Pakri-Barawan	Barki Gulani	32	2
	DAMU_Nawada	16-01-2021	Nawada	Nardiganj	Dhamaul	32	3
	DAMU_Nawada	21-01-2021	Nawada	Kawkol	Kvk Campus	69	9
	DAMU_Nawada	01-02-2021	Nawada	Akbarpur	Belatand	44	4
	DAMU_Nawada	01-02-2021	Nawada	Kawkol	Belatand	44	4
	DAMU_Nawada	17-02-2021	Nawada	Pakri-Barawan	Jamhariya	27	3
	DAMU_Sheikhpura	03-02-2021	Sheikhpura	Ariari	Farpar	33	33
	DAMU_Sheikhpura	05-02-2021	Sheikhpura	Ariari	Farpar	18	18
	DAMU_Sheikhpura	10-02-2021	Sheikhpura	Chewara	Kurmuri	20	20
	DAMU_Sheikhpura	08-03-2021	Sheikhpura	Ariari	Farpar	18	18
	DAMU_Sheikhpura	13-03-2021	Sheikhpura	Barbigha	Kutubchak	21	21
Chhattisgarh	DAMU_Bijapur	29-01-2021	Bijapur	Bhopalpatnam	Bhopalpatnam	22	18
	DAMU_Bijapur	03-02-2021	Bijapur	Bijapur	Keunar	32	15
	DAMU_Bijapur	11-02-2021	Bijapur	Bijapur	Papnpal	27	17
	DAMU_Bijapur	27-02-2021	Bijapur	Bhairamgarh	Santoshpur	40	27
	DAMU_Dantewada	16-01-2021	Dakshin Bastar Dantewada	Gidam	Jhodiabadam	30	2
	DAMU_Dantewada	03-02-2021	Dakshin Bastar Dantewada	Gidam	Hidpal	25	6
	DAMU_Dantewada	26-02-2021	Dakshin Bastar Dantewada	Kuakonda	Kvk Sabhagar	20	8
	DAMU_Dantewada	12-03-2021	Dakshin Bastar Dantewada	Dantewada	Dandakaranya Sabhagar	30	8
	DAMU_Jashpur	11-01-2021	Jashpur	Kainsabel	Bataikela	30	4
	DAMU_Korba	23-01-2021	Korba	Katghora	Ranjana	51	13
	DAMU_Korba	27-01-2021	Korba	Podi-Uparoda	Bhanwar	50	13
	DAMU_Korea	13-01-2021	Korea	Manendragarh	Lohari	27	20
	DAMU_Korea	28-01-2021	Korea	Baikunthpur	Salka	42	27
	DAMU_Korea	30-01-2021	Korea	Baikunthpur	Salka	25	21
	DAMU_Korea	11-02-2021	Korea	Baikunthpur	Salka	49	21
Gujarat	DAMU_Amreli	16-01-2021	Amreli	Lilia	Lilia	25	2
	DAMU_Amreli	18-01-2021	Amreli	Bagasara	Halriya Amreli Varasada	24	3
	DAMU_Amreli	20-01-2021	Amreli	Babra	Sukhpur	12	0
	DAMU_Dahod	18-01-2021	Dahod	Limkheda	Nava Vadiya	28	0
	DAMU_Dahod	20-01-2021	Dahod	Singvad	Nani Vav	36	0
	DAMU_Dahod	21-01-2021	Dahod	Limkheda	Hathidhara	36	0
	DAMU_Dahod	03-03-2021	Dahod	Devghdharma	Jabiya	38	0
	DAMU_Dahod	03-03-2021	Dahod	Dhanpur	Ved	65	0
	DAMU_Dahod	04-03-2021	Dahod	Fatehpura	Khatarpurnamuvada	60	0
	DAMU_Dahod	04-03-2021	Dahod	Jhalod	Bilwani	55	0
	DAMU_Dahod	06-03-2021	Dahod	Dhanpur	Pav	48	0
	DAMU_Dahod	06-03-2021	Dahod	Devghdharma	Antela	57	0
	DAMU_Dahod	09-03-2021	Dahod	Limkheda	Manli	23	0
	DAMU_Dahod	09-03-2021	Dahod	Singvad	Toyani	28	0
	DAMU_Dahod	09-03-2021	Dahod	Sanjeli	Sarori	27	0
	DAMU_Dang	06-03-2021	Dangs	Subir	Sajupada	48	0

	DAMU_Dang	09-03-2021	Dangs	Subir	Gaygothan	54	0
	DAMU_Jamnagar	19-01-2021	Jamnagar	Jamnagar	Khoja Beraja	10	8
	DAMU_Jamnagar	19-01-2021	Jamnagar	Jamnagar	Lothiya	20	9
	DAMU_Jamnagar	20-01-2021	Jamnagar	Jamnagar	Chandragadh	10	5
	DAMU_Narmada	04-01-2021	Narmada	Dediyapada	Kvk Dediapada	58	7
	DAMU_Narmada	07-01-2021	Narmada	Nandod	Pratapnagar	1	1
	DAMU_Narmada	11-01-2021	Narmada	Dediyapada	Kham	18	2
	DAMU_Narmada	15-01-2021	Narmada	Dediyapada	Sorapada	11	1
	DAMU_Narmada	17-01-2021	Narmada	Dediyapada	Soliya	19	3
	DAMU_Narmada	12-02-2021	Narmada	Dediyapada	Besna And Bhatpur	86	4
	DAMU_Narmada	16-02-2021	Narmada	Dediyapada	Kham	45	0
	DAMU_Narmada	17-02-2021	Narmada	Dediyapada	Kham	13	3
	DAMU_Narmada	18-02-2021	Narmada	Tilakwada	Amliya	17	0
	DAMU_Narmada	16-03-2021	Narmada	Dediyapada	Dediyapada	23	6
	DAMU_Surat	23-03-2021	Surat	Bardoli	Surat	23	2
	DAMU_Vadodara	01-01-2021	Vadodara	Shinor	Damnagar	22	0
	DAMU_Vadodara	01-01-2021	Vadodara	Shinor	Bhekhada	14	3
	DAMU_Vadodara	04-01-2021	Vadodara	Dabhoi	Dharmapur And Suryaghoda	46	2
	DAMU_Vadodara	06-01-2021	Vadodara	Shinor	Tarva	22	0
	DAMU_Valsad	12-01-2021	Valsad	Pardi	Lakhamapor	19	1
	DAMU_Valsad	10-02-2021	Valsad	Valsad	Ozar	21	3
	DAMU_Valsad	18-02-2021	Valsad	Vapi	Karaya	10	1
	DAMU_Valsad	23-03-2021	Valsad	Kaprada	Kakadkoper	23	4
	DAMU_Valsad	27-03-2021	Valsad	Kaprada	Ambheti	20	2
Haryana	DAMU_Gurugram	09-02-2021	Gurgaon	Gurgaon	Shikohpur	79	30
	DAMU_Gurugram	23-02-2021	Gurgaon	Gurgaon	Shikohpur	28	12
	DAMU_Gurugram	25-02-2021	Gurgaon	Gurgaon	Shikohpur	250	20
	DAMU_Gurugram	12-03-2021	Gurgaon	Gurgaon	Shikohpur	13	5
	DAMU_Gurugram	15-03-2021	Gurgaon	Gurgaon	Shikohpur	15	3
	DAMU_Jind	25-02-2021	Jind	Jind	Jind	38	3
	DAMU_Jind	26-02-2021	Jind	Jind	Pandu Pindara	32	0
	DAMU_Jind	08-03-2021	Jind	Jind	Jind	50	0
	DAMU_Jind	09-03-2021	Jind	Jind	Pandu Pindara	72	7
	DAMU_Jind	22-03-2021	Jind	Jind	Pandu Pindara	42	5
	DAMU_Kurukshetra	18-01-2021	Kurukshetra	Thanesar	Dhurala	90	10
	DAMU_Kurukshetra	11-02-2021	Kurukshetra	Thanesar	Kvk Premises	40	9
	DAMU_Kurukshetra	03-03-2021	Kurukshetra	Thanesar	Kvk Premises	25	6
	DAMU_Kurukshetra	06-03-2021	Kurukshetra	Thanesar	Kvk Premises	25	7
	DAMU_Kurukshetra	09-03-2021	Kurukshetra	Thanesar	Kvk Premises	60	8
	DAMU_Kurukshetra	22-03-2021	Kurukshetra	Thanesar	Kvk Premises	40	6
Himachal Pradesh	DAMU_Mandi	05-02-2021	Mandi	Balh	Luhara	35	28
	DAMU_Mandi	06-02-2021	Mandi	Gopalpur	Bah	35	25
	DAMU_Mandi	16-02-2021	Mandi	Karsog	Punni	30	20
	DAMU_Mandi	03-03-2021	Mandi	Gohar	Brokhadi	25	18
Jammu And Kashmir	DAMU_Baramulla	20-02-2021	Baramulla	Pattan	Renji	10	10
	DAMU_Baramulla	25-02-2021	Baramulla	Wailoo	Wailoo	30	10

	DAMU_Baramulla	26-03-2021	Baramulla	Kunzer	Hardaboora Block	35	6
	DAMU_Baramulla	29-03-2021	Baramulla	Sopore	Mundji	8	1
Jharkand	DAMU_Godda	05-01-2021	Godda	Pathargama	Ranganatn	62	2
	DAMU_Godda	05-01-2021	Godda	Pathargama	Chilkara	30	1
	DAMU_Godda	25-01-2021	Godda	Basantray	Paraspani	25	2
	DAMU_Godda	30-01-2021	Godda	Poraiyahat	Ghanshyampur	26	2
	DAMU_Godda	30-01-2021	Godda	Poraiyahat	Devandha	19	1
	DAMU_Godda	02-02-2021	Godda	Godda	Kvk	40	6
	DAMU_Godda	11-02-2021	Godda	Poraiyahat	Gunghasa	21	1
	DAMU_Godda	17-02-2021	Godda	Godda	Gvt Kvk	40	7
	DAMU_Godda	22-02-2021	Godda	Godda	District Agriculture Office	110	15
	DAMU_Godda	24-02-2021	Godda	Godda	Dic Office	25	6
	DAMU_Godda	05-03-2021	Godda	Godda	Birsa Agricultural University Ranchi	121	29
	DAMU_Godda	08-03-2021	Godda	Godda	Gvt Kvk	25	3
	DAMU_Godda	08-03-2021	Godda	Godda	Kvk	77	3
	DAMU_Godda	15-03-2021	Godda	Thakurgangti	Ashakhar	20	5
	DAMU_Godda	20-03-2021	Godda	Sundarpahari	Salpatar	15	2
	DAMU_Godda	22-03-2021	Godda	Godda	Chakeshwari Farm	77	6
	DAMU_Gumla	08-01-2021	Gumla	Riadih	Silam	22	13
Karnataka	DAMU_Chamarajanagara	30-01-2021	Chamarajanagar	Chamarajanagar	Devalapura	20	8
	DAMU_Chikkamagaluru	16-01-2021	Chikkamagaluru	Kadur	Kalkere	55	6
	DAMU_Chikkamagaluru	16-01-2021	Chikkamagaluru	Tarikere	Kuntinamdu	43	15
	DAMU_Chikkamagaluru	18-01-2021	Chikkamagaluru	Sringeri	Sringeri	99	26
	DAMU_Chikkamagaluru	19-01-2021	Chikkamagaluru	Mudigere	Devarunda	29	10
	DAMU_Chikkamagaluru	21-01-2021	Chikkamagaluru	Koppa	Tenginamane	39	12
	DAMU_Haveri	04-01-2021	Haveri	Ranebennur	Kvk Haveri	38	12
	DAMU_Haveri	07-01-2021	Haveri	Ranebennur	Kvk Haveri	40	15
	DAMU_Haveri	11-01-2021	Haveri	Ranebennur	Kvk Haveri	26	10
	DAMU_Haveri	18-01-2021	Haveri	Ranebennur	Kvk Haveri	20	7
	DAMU_Haveri	18-01-2021	Haveri	Ranebennur	Hanumapur	46	13
	DAMU_Haveri	19-01-2021	Haveri	Ranebennur	Kvk Haveri	35	15
	DAMU_Haveri	21-01-2021	Haveri	Ranebennur	Kvk Haveri	23	19
	DAMU_Haveri	21-01-2021	Haveri	Ranebennur	Guddad Anveri	31	12
	DAMU_Haveri	27-01-2021	Haveri	Ranebennur	Kvk Haveri	38	35
	DAMU_Haveri	13-02-2021	Haveri	Ranebennur	Aladakatti	32	18
	DAMU_Haveri	17-02-2021	Haveri	Savanur	Kalamodu	18	5
	DAMU_Haveri	18-02-2021	Haveri	Savanur	Kalakodu	15	5
	DAMU_Haveri	06-03-2021	Haveri	Haveri	Datc Haveri	45	40
	DAMU_Haveri	06-03-2021	Haveri	Ranebennur	Kvk Haveri	45	40
	DAMU_Haveri	06-03-2021	Haveri	Haveri	Kvk Haveri	45	40
	DAMU_Haveri	08-03-2021	Haveri	Ranebennur	Kuppeluru	39	15
	DAMU_Haveri	08-03-2021	Haveri	Ranebennur	Kvk Haveri	66	45
	DAMU_Haveri	09-03-2021	Haveri	Hanagal	Kopparasikoppa	40	25
	DAMU_Haveri	15-03-2021	Haveri	Ranebennur	Kvk Haveri	100	40
	DAMU_Haveri	16-03-2021	Haveri	Ranebennur	Kvk Haveri	16	8

	DAMU_Haveri	17-03-2021	Haveri	Ranebennur	Kvk Haveri	115	55
	DAMU_Haveri	22-03-2021	Haveri	Ranebennur	Kvk Haveri	50	22
	DAMU_Haveri	23-03-2021	Haveri	Hanagal	Shigihalli	26	12
	DAMU_Haveri	24-03-2021	Haveri	Haveri	Nabard Haveri	35	30
	DAMU_Kodagu	22-01-2021	Kodagu	Somvarpet	Kushalnagar	32	10
	DAMU_Kodagu	02-02-2021	Kodagu	Somvarpet	Hebbale	80	42
	DAMU_Kolar	11-01-2021	Kolar	Kolar	Krishi Vigyan Kendra	50	29
	DAMU_Kolar	18-01-2021	Kolar	Kolar	Krishi Vigyan Kendra	25	10
	DAMU_Kolar	22-03-2021	Kolar	Kolar	Icar Krishi Vigyan Kendra	40	10
	DAMU_Koppal	12-01-2021	Koppal	Gangavathi	Yardona	25	15
	DAMU_Koppal	18-01-2021	Koppal	Gangavathi	Kvk Gangavathi	25	15
	DAMU_Koppal	18-01-2021	Koppal	Gangavathi	Gangavathi	22	22
	DAMU_Koppal	19-01-2021	Koppal	Yelburga	Watpravi	45	20
	DAMU_Koppal	19-01-2021	Koppal	Yelburga	Vatapravi	38	20
	DAMU_Koppal	28-01-2021	Koppal	Gangavathi	Mylapur	20	10
	DAMU_Koppal	11-02-2021	Koppal	Gangavathi	Navali	45	30
	DAMU_Koppal	15-02-2021	Koppal	Gangavathi	Bapireddy Camp Gangavathi	45	29
	DAMU_Koppal	20-02-2021	Koppal	Gangavathi	Kvk Gangavathi	20	15
	DAMU_Koppal	14-03-2021	Koppal	Gangavathi	Datc Vadarhatti	40	40
	DAMU_Koppal	19-03-2021	Koppal	Koppal	Aeec Koppal	40	40
	DAMU_Koppal	21-03-2021	Koppal	Gangavathi	Datc Vadarhatti (Gangavathi)	40	40
	DAMU_Mandya	23-03-2021	Mandya	Mandya	V C Farm	40	20
	DAMU_Mandya	30-03-2021	Mandya	Mandya	V C Farm	35	2
	DAMU_Ramanagara	09-01-2021	Ramanagara	Magadi	Chandurayanahalli	21	21
	DAMU_Tumakuru	13-01-2021	Tumakuru	Tiptur	Nonavinkerae	70	21
	DAMU_Tumakuru	04-02-2021	Tumakuru	Pavagada	Kamandurga	53	17
	DAMU_Tumakuru	10-02-2021	Tumakuru	Madhugiri	Adavaenagenhalli	55	26
	DAMU_Tumakuru	18-02-2021	Tumakuru	Sira	Yaldabagi	56	7
	DAMU_Tumakuru	20-02-2021	Tumakuru	Tumkuru	Rayapura	57	20
	DAMU_Tumakuru	18-03-2021	Tumakuru	Chiknayakanhalli	Singapura	56	10
Kerala	DAMU_Kollam	22-01-2021	Kollam	Mukhathala	Sakthikulangara	43	38
	DAMU_Kollam	05-02-2021	Kollam	Vetikkavala	Vettikavala	40	35
	DAMU_Kollam	23-03-2021	Kollam	Vetikkavala	Vettikavala	22	22
Madhya Pradesh	DAMU_Balaghat	22-01-2021	Balaghat	Kirnapur	Badgaon	57	21
	DAMU_Barwani	07-01-2021	Barwani	Barwani	Sindi Khodari	24	12
	DAMU_Barwani	13-01-2021	Barwani	Rajpur	Nandgaon	46	37
	DAMU_Barwani	21-01-2021	Barwani	Barwani	Barwani	22	21
	DAMU_Barwani	23-01-2021	Barwani	Rajpur	Bajatta	47	30
	DAMU_Barwani	27-01-2021	Barwani	Barwani	Barwani	18	17
	DAMU_Barwani	15-02-2021	Barwani	Barwani	Anjad	22	8
	DAMU_Barwani	24-02-2021	Barwani	Sendhawa	Morgun	38	21
	DAMU_Barwani	13-03-2021	Barwani	Sendhawa	Jamli	40	20
	DAMU_Barwani	23-03-2021	Barwani	Barwani	Piplod	38	8
	DAMU_Chhatrapur	01-01-2021	Chhatrapur	Buxwaha	Gadohi	25	4
	DAMU_Chhatrapur	03-01-2021	Chhatrapur	Buxwaha	Sunwaha	12	2

	DAMU_Chhatrapur	20-01-2021	Chhatarpur	Nowgong	Kulwara	15	4
	DAMU_Chhatrapur	23-01-2021	Chhatarpur	Nowgong	Mudwara	10	2
	DAMU_Chhatrapur	24-01-2021	Chhatarpur	Nowgong	Mankari	22	5
	DAMU_Chhatrapur	25-01-2021	Chhatarpur	Nowgong	Maharajpur	16	4
	DAMU_Chhatrapur	27-01-2021	Chhatarpur	Nowgong	Tatam	22	3
	DAMU_Chhatrapur	28-01-2021	Chhatarpur	Rajnagar	Bhsbua	50	8
	DAMU_Chhatrapur	31-01-2021	Chhatarpur	Rajnagar	Lalpur	27	5
	DAMU_Chhatrapur	01-02-2021	Chhatarpur	Nowgong	Todar	30	3
	DAMU_Chhatrapur	18-02-2021	Chhatarpur	Barigarh	Gauhariyar	152	15
	DAMU_Chhatrapur	22-02-2021	Chhatarpur	Nowgong	Nowgong	25	2
	DAMU_Chhatrapur	11-03-2021	Chhatarpur	Nowgong	Nowgong	35	5
	DAMU_Khandwa	06-01-2021	East Nimar	Chhaigaon-Makhan	Mokalgaon	20	3
	DAMU_Khandwa	07-01-2021	East Nimar	Chhaigaon-Makhan	Sulyakhedi	12	4
	DAMU_Khandwa	09-01-2021	East Nimar	Khandwa	Khandwa	50	5
	DAMU_Khandwa	13-01-2021	East Nimar	Khandwa	Khandwa	50	5
	DAMU_Khandwa	21-01-2021	East Nimar	Khandwa	Kvk	100	15
	DAMU_Khandwa	23-01-2021	East Nimar	Harsud	Satri	35	4
	DAMU_Khandwa	28-01-2021	East Nimar	Khandwa	Kvk	20	2
	DAMU_Khandwa	29-01-2021	East Nimar	Khandwa	Kvk	10	4
	DAMU_Khandwa	30-01-2021	East Nimar	Khandwa	Kvk	20	2
	DAMU_Khandwa	08-02-2021	East Nimar	Khandwa	Kvk	35	4
	DAMU_Khandwa	11-02-2021	East Nimar	Khandwa	Kvk	30	5
	DAMU_Khandwa	18-02-2021	East Nimar	Khandwa	Kvk	35	3
	DAMU_Khandwa	20-02-2021	East Nimar	Khandwa	Kvk	12	2
	DAMU_Khandwa	23-02-2021	East Nimar	Khandwa	Kvk	70	9
	DAMU_Khandwa	24-02-2021	East Nimar	Khandwa	Ite	50	8
	DAMU_Khandwa	06-03-2021	East Nimar	Khandwa	Kvk	35	4
	DAMU_Khandwa	10-03-2021	East Nimar	Khandwa	Kvk	25	2
	DAMU_Khandwa	17-03-2021	East Nimar	Khandwa	Kvk	10	4
	DAMU_Khandwa	23-03-2021	East Nimar	Khandwa	Bm College Of Agriculture	45	15
	DAMU_Khandwa	31-03-2021	East Nimar	Khandwa	Kvk	10	4
	DAMU_Neemuch	05-01-2021	Neemuch	Neemuch	Hingoriya	16	4
	DAMU_Neemuch	27-01-2021	Neemuch	Neemuch	Chadoli	15	3
	DAMU_Shahdol	23-03-2021	Shahdol	Sohagpur	Devritola	32	7
	DAMU_Shivpuri	03-02-2021	Shivpuri	Shivpuri	On Campus	25	10
	DAMU_Shivpuri	23-03-2021	Shivpuri	Shivpuri	On Campus	27	7
	DAMU_Shivpuri	25-03-2021	Shivpuri	Shivpuri	On Campus	20	14
Maharashtra	DAMU_Amravati	27-01-2021	Amravati	Amravati	Krishi Vigyan Kendra	26	21
	DAMU_Aurangabad_Mah	03-03-2021	Aurangabad	Aurangabad	Karajgaon	48	5
	DAMU_Buldhana	30-01-2021	Buldhana	D.Raja	Ancharwadi	77	22
	DAMU_Buldhana	04-02-2021	Buldhana	Nandura	Nimbhora	75	20
	DAMU_Buldhana	04-03-2021	Buldhana	Nandura	Nimbhora	75	20
	DAMU_Buldhana	14-03-2021	Buldhana	Buldana	Buldhana	47	4
	DAMU_Buldhana	23-03-2021	Buldhana	Buldana	Buldhana	54	9
	DAMU_Nandurbar	20-01-2021	Nandurbar	Akkalkuwa	Akkalkuwa Block Farmers	42	17



	DAMU_Nandurbar	25-02-2021	Nandurbar	Navapur	Navapur Block Farmers	33	9
	DAMU_Osmanabad	23-01-2021	Osmanabad	Omerga	Mulaj	70	53
	DAMU_Osmanabad	24-02-2021	Osmanabad	Omerga	Tugaon	22	14
	DAMU_Osmanabad	28-02-2021	Osmanabad	Kalam	Naigaon	32	18
	DAMU_Solapur	21-01-2021	Solapur	Mohol	Mohol	63	56
	DAMU_Solapur	29-01-2021	Solapur	Madha	Dhanore	14	11
	DAMU_Solapur	05-02-2021	Solapur	Mohol	Mohol	24	18
	DAMU_Solapur	17-02-2021	Solapur	Mohol	Pokharapur	28	21
	DAMU_Solapur	01-03-2021	Solapur	Mohol	Mohol	16	14
	DAMU_Solapur	03-03-2021	Solapur	Malshiras	Bangarde	32	24
	DAMU_Solapur	10-03-2021	Solapur	Malshiras	Dombalwadi	26	20
	DAMU_Solapur	13-03-2021	Solapur	Malshiras	Dahigaon	28	22
	DAMU_Solapur	23-03-2021	Solapur	Mohol	Mohol	82	65
	DAMU_Washim	01-01-2021	Washim	Malegaon	Mairaldoh	63	30
	DAMU_Washim	11-01-2021	Washim	Karanja	Koli	41	26
	DAMU_Washim	22-03-2021	Washim	Washim	Kektumra	38	18
Odisha	DAMU_Cuttack	07-01-2021	Cuttack	Badamba	Abhimanpur	25	13
	DAMU_Cuttack	20-01-2021	Cuttack	Banki-Dampara	Ghasiput	50	5
	DAMU_Cuttack	27-01-2021	Cuttack	Nischinta-Koili	Katikata	40	15
	DAMU_Cuttack	28-01-2021	Cuttack	Salepur	Gujarpur	50	8
	DAMU_Ganjam	08-02-2021	Ganjam	Bhanjanagar	Tulasipalli	30	18
	DAMU_Ganjam	10-02-2021	Ganjam	Bhanjanagar	Benakunda	20	12
Punjab	DAMU_Barnala	24-02-2021	Barnala	Sehna	Ugoke	14	2
	DAMU_Barnala	05-03-2021	Barnala	Sehna	Dhillwan	41	6
	DAMU_Barnala	18-03-2021	Barnala	Barnala	Bhaini Jassa	15	3
	DAMU_Jalandhar	08-03-2021	Jalandhar	Nurmahal	Nurmahal And Cheema Kalan	48	0
	DAMU_Ropar	07-01-2021	Rupnagar	Anandpur-Sahib	Chandpur Bela	90	15
	DAMU_Ropar	23-03-2021	Rupnagar	Chamkaur-Sahib	Sekhupur	45	10
	DAMU_Ropar	24-03-2021	Rupnagar	Rupnagar	Khabra	60	12
	DAMU_Ropar	25-03-2021	Rupnagar	Chamkaur-Sahib	Bhoje Majra	70	14
Rajasthan	DAMU_Chittorgarh	22-03-2021	Chittorgarh	Chittaurgarh	Bojunda	30	0
	DAMU_Dungarpur	28-02-2021	Dungarpur	Simalwara	Seemalwda Bhhiwada Jhohari Dungarpur Kahari	40	10
	DAMU_Dungarpur	16-03-2021	Dungarpur	Galiyakot	Vandarved	52	6
	DAMU_Jalore	30-01-2021	Jalore	Sayla	Akwa	32	15
	DAMU_Jalore	24-02-2021	Jalore	Ahore	Bijlee	23	12
	DAMU_Jalore	27-02-2021	Jalore	Sayla	Umedabad	38	21
	DAMU_Jalore	28-02-2021	Jalore	Sayla	Sayla	49	12
	DAMU_Karauli	30-01-2021	Karauli	Hindaun	Bandh Ka Nangla	31	5
	DAMU_Karauli	01-02-2021	Karauli	Hindaun	Hukmikheda	32	15
	DAMU_Karauli	03-02-2021	Karauli	Karauli	Mohanpur	20	6
Tamil Nadu	DAMU_Kancheepuram	08-01-2021	Kancheepuram	Acharapakkam	All India Radio	10	1
	DAMU_Kancheepuram	11-01-2021	Kancheepuram	Kattankolathur	Kattankolathur	44	4
	DAMU_Kancheepuram	27-01-2021	Kancheepuram	Thiruporur	Kalpakkam	300	2
	DAMU_Kancheepuram	04-02-2021	Kancheepuram	Kanchipuram	Sirukavaripakkam	25	4
	DAMU_Kancheepuram	18-02-2021	Kancheepuram	Kattankolathur	Thimavaram	42	5

	DAMU_Kancheepuram	23-03-2021	Kancheepuram	Uttiramerur	Annambakkam	24	5
	DAMU_Pudukottai	03-02-2021	Pudukkottai	Karambakudi	Chinnakon Viduthi	40	2
	DAMU_Ramanathapuram	04-02-2021	Ramanathapuram	Ramanathapuram	Ramanathapuram	40	5
	DAMU_Salem	06-01-2021	Salem	Kolathur	Navapatti	13	1
	DAMU_Salem	07-01-2021	Salem	Attur	Kallanatham	25	5
	DAMU_Salem	18-01-2021	Salem	Panamarathupatti	Pelamarathukadu	14	2
	DAMU_Salem	28-01-2021	Salem	Macdonalds-Choultry	Pudur	10	2
	DAMU_Salem	03-02-2021	Salem	Ayodhiyapattinam	A N Mangalam	10	2
	DAMU_Salem	09-02-2021	Salem	Kadaiyampatty	Pannapatti	28	4
	DAMU_Salem	18-02-2021	Salem	Omalur	Nallagoundampatty	35	10
	DAMU_Salem	23-02-2021	Salem	Mecheri	Arankanur	11	2
	DAMU_Salem	27-02-2021	Salem	Panamarathupatti	Kammalapatty Mallur	33	5
	DAMU_Salem	27-02-2021	Salem	Sankagiri	Kakkapalayam	36	6
	DAMU_Salem	11-03-2021	Salem	Veerapandi	Akkarapalayam	10	2
	DAMU_Salem	12-03-2021	Salem	Kolathur	Pannavadi	25	5
	DAMU_Salem	25-03-2021	Salem	Ayodhiyapattinam	M Palapatty	10	2
	DAMU_Trichy	19-02-2021	Tiruchirappalli	Manapparai	Samuthiram Maravanur	30	7
	DAMU_Trichy	19-02-2021	Tiruchirappalli	Thottiam	Manamedu Kosavampatti Nagainallur	50	12
	DAMU_Trichy	25-02-2021	Tiruchirappalli	Lalgudi	Thirumangalam	26	5
	DAMU_Trichy	25-02-2021	Tiruchirappalli	Lalgudi	Idaiyatrumangalam	31	9
	DAMU_Trichy	26-02-2021	Tiruchirappalli	Andanallur	Ettarai	22	4
Telangana	DAMU_Khammam	04-01-2021	Khammam	Wyra	Kvk Wyra	28	5
Uttar Pradesh	DAMU_Baghpat	03-02-2021	Baghpat	Binauli	Kanvada	10	1
	DAMU_Baghpat	04-02-2021	Baghpat	Khekra	Lehchoda	12	0
	DAMU_Baghpat	09-02-2021	Baghpat	Khekra	K. V. K. Baghpat	14	2
	DAMU_Baghpat	10-02-2021	Baghpat	Baghpat	Pali	27	2
	DAMU_Baghpat	01-03-2021	Baghpat	Baghpat	Pali	27	3
	DAMU_Baghpat	16-03-2021	Baghpat	Baghpat	K. V. K. Baghpat	18	2
	DAMU_Bhadohi	08-01-2021	Sant Ravidas Nagar	Aurai	Muktapur	20	4
	DAMU_Bhadohi	23-01-2021	Sant Ravidas Nagar	Bhadohi	Jagdishpur	20	2
	DAMU_Bhadohi	05-02-2021	Sant Ravidas Nagar	Gyanpur	Bhurki	23	1
	DAMU_Bhadohi	02-03-2021	Sant Ravidas Nagar	Bhadohi	Chenaipur	22	3
	DAMU_Bhadohi	10-03-2021	Sant Ravidas Nagar	Suriyavan	Abhiya	24	5
	DAMU_Bhadohi	25-03-2021	Sant Ravidas Nagar	Aurai	Lokmanpur	20	4
	DAMU_Chitrakoot	18-03-2021	Chitrakoot	Manikpur	Aagrahuda	94	28
West Bengal	DAMU_Birbhum	09-01-2021	Birbhum	Illambazar	Daranda	35	0
	DAMU_Birbhum	11-01-2021	Birbhum	Sainthia	Digha	45	0
	DAMU_Jalpaiguri	25-03-2021	Jalpaiguri	Dhupguri	Duramari	30	30
	DAMU_Purulia	25-01-2021	Purulia	Hura	Rahamda	25	5
	DAMU_Purulia	30-01-2021	Purulia	Hura	Arjunjora	30	8
	DAMU_Purulia	17-03-2021	Purulia	Bagmundi	Jadugora	25	5

## Field visit

Officers of IMD, AMFUs and DAMUs made field visit to monitor the standing crop coverage and Pests and Diseases attack on the standing crops and to suggest its control measures. Also to aware farmers about use of Weather-based Agromet Advisories and its importance in increasing the farm productivity, activities under GKMS project to the farmers and usefulness of Meghdoot application and DAMU project. Officers gave detailed information of Farmers' registration in m-kissan Portal and SMS service.

### Field visits conducted during the period:

State	DAMU	Place	Date
Andhra Pradesh	AMFU, Chintapalle,	Timmalabanda village, Chintapalle	06.01.2021
		Chintapalle sub division and chinnagadda village	26.03.2021
Assam	DAMU Cachar	Borkhula, Salchaprablock ,Cachar, Assam	08.01.2021& 24.01.2021
	AMFU Jorhat	RajabariPanjan Village, Titabor Dev. Block	13.02.2021
		Tengajan Village, Titabor Dev. Block	13.02.2021
		Phoolbari Village, Titabor Dev. Block	13.02.2021
		Na-Bora Gaon, Jorhat North-West Dev. Block	13.02.2021
		Mejenga Village, Titabor Dev. Block	22.02.2021
		PotharShyam Gaon, Titabor Dev. Block	22.02.2021
		44 No. Hilikha Grant (Turung), Titabor Dev. Block	22.02.2021
Gujarat	KVK Jamnagar	Khoja Berajavillage, Jamnagar block, Jamnagar District	19.01. 2021
		Chandragadh village, Jamnagar block, Jamnagar District	20.01. 2021
	AMFU, Anand	Lambhvel (Anand block) visited on	28.01.2021 & 11.02.2021
		Bhantala (Balasinor block, Mahisagar district)	14.03.2021
	KVK, Dediapada Navsari	Pratapnagar village, Tah: Nandod	07 .01. 2021
		Sorapada village, Tah: Sagbara	15.01. 2021
		Soliya village, Tah: Dediapada	16.01.2021
		Besna and Bhatpur village, Tah: Dediapada	12.02.2021
		Kham village, Tah: Dediapada	17.02.2021
	DAMU Surat	Damka village, Choryasi district, Surat	22.03.2021
	DAMU Valsad	Ozar village, Valsad block.	10.02.2021
		Lakhamapor village, Pardi block.	10.02.2021
Jammu & Kashmi		Bharakh, Pouni	03.02.2021
		KotliBajalan, Katra block	05.02.2021
		Bharakh	08.02.2021
		Agar Ballian, Reasi block	15.02.2021
		Judd	16.02.2021
		Talwara	24.03.2021
		Matlote	25.03.2021
		Tanda, Reasi block	30.03.2021
	KVK, Reasi	Chaiter	14.01.2021
Jharkhand	DAMU, Godda	Devandhavillage, Poraiyahat block	30.01.2021
		GVT-KVK, Godda	08.03.2021
Madhya Pradesh	KVK Balaghat	Katangi	12.02.2021

		Bagdmara	05.01.2021
		Lanji	15.03.2021
		Rajegaon	03.03.2021
		Kirnapur	11.02.2021
		Pala	22.01.2021
Maharashtra	Dapoli	Gavhe village, Dapoli block, Ratnagiri district	25.01.2021
		Kadiwali village, Dapoli block, Ratnagiri district	01.02.2021
	AMFU, Mulde	Ambadpal village	02.02.2021
Mizoram	DAMU, Mamit	Hmunpui village	05.02.2021
		Lengpui village	11.03.2021
Puducherry	AMFU, Karaikal	Surakudy village, Nedungadu block	18.01.2021
Tamil Nadu	AMFU, Ooty	Ubadalai, Coonoor	06.01.2021
		Kagguchi, Ooty	05.03.2021
Telangana	DAMU, Badradri	PathaAnganapuram	27-01-2021
	DAMU_Badradri	Seethampetbanjar	04-02-2021
	DAMU_Badradri	Narasimhasagar village	10-02-2021
	DAMU_Badradri	Kothagudem	23-03-2021
	DAMU_Badradri	Yellandu	24-03-2021`
Uttarakhand	AMFU Roorkee	Village- Bahadarpur Saini, Block- Roorkee, District- Haridwar.	14.01.2021
		Village- Bullawala, Block- Doiwala, District- Dehradun	22.02.2021

### Other Awareness Programme

AMFUs participated in different awareness programmes like Kisan Mela, seed day, World Soil day etc. to inform about activities under GKMS project to the farmers. Officer of GKMS Unit briefed about the usefulness of Agromet Advisory Bulletins, mKisan portal and Meghdoot App. They displayed different types of charts which depicted the importance of meteorology to the field of Agricultural Sciences and farmers. Most of the Meteorological surface observation instruments were also put on display. During the Kisan mela, mobile numbers of farmers were collected and registered in mKisan portal. AMFUs/ DAMUs disseminated leaflet on Agromet Advisory Services and create awareness about the Climate Smart Agriculture and Use of Digital Gadgets.

### Other Awareness Programme conducted during the period:

- **Shri. Ejaful Ahmed, SMS, DAMU, Cachar, Assam** participated in Farmers Scientist interaction to discuss on mitigation weather hazards in Agriculture and control measures of pest and diseases in the major crops on 9<sup>th</sup> and 20<sup>th</sup> January 2021 & 4<sup>th</sup> March 2021. Also he discussed on main issues and problems face by the farmers at Sridharpur, Salchapra block, Cachar.
- **AMFU, Bhachau, Kachchh, Gujarat** organized one day women training (*Mahila Shibir*) programme on 8<sup>th</sup> January 2021 on "Women empowerment and nutritional campaign". Approximately 62 farmers of Bhachau taluka were actively participated in this programme. Shri. Kuldeep Sevak (T.O.) explained about use of Meghdoot and Mausam mobile application and weather based Agromet Advisory Bulletin.



- **AMFU Bhachau, Kachchh, Gujarat** organized one day onfarm farmer's training (*Khedut Shibir*) programme on 5<sup>th</sup> January 2021 on the topic of "Precaution measures to be taken for increasing higher yield in Rabi crops" Approximately 45 farmers of Bhachau taluka actively participated in this programme.



- **KVK, Dholpur, Rajasthan** participated actively in the 5 days State Level Kisan Mela-2021 "Krishak Vegyanik Sangosthi and Krishi Pradarshani" organized by Directorate of Extension Education, SKNAU, Jobner during 22-26 February 2021. Dr. Ved Prakash Chahal, ADG, Agriculture Extension, ICAR, New Delhi visited KVK Dholpur. He appreciated the efforts made by DAMU Dholpur for dissemination of Agromet Advisory to the farmers and also transferring the technology through different modes.



- **Dr. Ananta Vashisth, Nodal Officer, AMFU, New Delhi** participated in Pusa Krishi Vigyan Mela during 25-27 February 2021. She explained importance of weather forecast and Agromet Advisory in Agriculture and popularization of Maghdoot and Damini app.



- **DAMU, Bhiwani, Haryana participated**

- Fruit and vegetables preservation training and aware to farmers about Agromet. Advisory during 11-15 February 2021.
- In national nutrition Pakhwada and aware to farmers about weather Forecasting during 16-31 March 2021.
- World Water Day in KVK Bhiwani and aware to farmers about weather changes and crop management on 22<sup>nd</sup> March 2021.
- Virtual Krishi Mela (Kharif) during 9-10 March 2021.
- Food processing and preservation training at KVK Bhiwani during 20-24 March 2021.



- **Dr. Veena Sharma, Technical officer AMFU, Chatha, Jammu & Kashmir** participated in the 5 days Kisan mela organized by SKUAST-Jammu w.e.f. 16<sup>th</sup> to 20<sup>th</sup> March 2021 at Main Campus, Chatha. She gave information about Agromet Advisory Services, Agromet products and Meghdoot & Damini Mobile Apps. Feedback of farmers was also taken for Agromet Advisory Services.



- **DAMU, Goalpara, Assam** participated in Kisan Mela organized by Pub Rabha Society in Goalpara district, Assam from 1 -3 February 2021 to create awareness about GKMS project by displaying banner. Also participated in Kisan Mela organized by Rabha Hasong Autonomous Council in Goalpara district, Assam from 28<sup>th</sup> February-2<sup>nd</sup> March 2021.

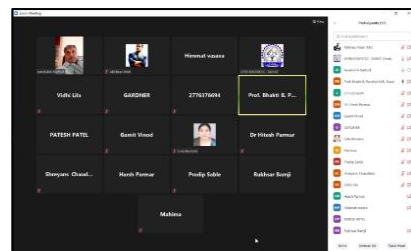




- **AMFU, Chintapalle, Andhra Pradesh** participated in Kisan Mela: first on 26<sup>th</sup> February 2021 at RARS, Chintapalle and second on 25<sup>th</sup> March 2021 at Regional Agricultural Research Station, Anakapalle. The AMFU displayed the posters related to weather based Agromet Advisories and GKMS activities and release the booklets on weather and its impact on Agriculture and Weather based Advisories in different crops. They displayed the posters related to weather based Agromet Advisories and Meghdoot & Damini Mobile Apps.



- Webinar on “**World Meteorological Day**” was jointly organized by **KVK, Surat** and Community Science Center, Surat, **Gujarat** on 23<sup>rd</sup> March 2021. Director of CSC-Surat, Senior Scientist and Head of KVK-Surat, SMS-Agrometeorology and SMS-Horticulture attended the webinar. Experts gave lectures on “Climate change, Global warming and Weather forecasting” and “Impact of Climate change on vegetables crops”. Discussion with farmers was carried out at the end of webinar.



- **DAMU, Valsad, Gujrat**, celebrated World Meteorological day on 23<sup>rd</sup> March 2021 at Kakadkoper village belongs to Kaparada block. Officers explained about GKMS project.



- **Dr. P. Balasubramanian, Technical Officer AMFU, Ooty Tamil Nadu** participated in Kisan Mela on 8<sup>th</sup> January 2021 at Kagguchi village, Ooty. He informed about Weather based Agromet Advisory and Meghdoot app for hill crops to the farmers.

- **KVK, Reasi, Jammu & Kashmir** participated in Kisan Melas at Barneen village and Seela village on 11<sup>th</sup> February 2021 and at SKUAST-J during 15-20<sup>th</sup> March 2021.

- **DAMU, Godda, Jharkhand** participated in Kisan Melas at DAO, Ranchi, Godda on 22<sup>nd</sup> February 2021 and on 5<sup>th</sup> March 2021 at BAU, Ranchi. Officers of DAMU gave information on climate change and its impacts on crop and vegetable production, Weather based agriculture, Meghdoot & Damini app.



- **Dr. Sameera Qayoom, AMFU, Srinagar, Jammu & Kashmir** participated in Kisan Mela during 28<sup>th</sup> February 2021 to 1<sup>st</sup> March 2021. Registration of 171 farmers was done during the mela for providing them Agromet Advisory through various platforms in future. Various Agromet equipment/instruments were displayed in Agromet stall.



- **Dr. A. L. Narayanan, Nodal Officer Karaikal, Puducherry** participated in Farmers Interaction meeting on “Social & Digital media for farming community” on 25<sup>th</sup> February 2021. Farmers were informed and made aware to utilise the Social and digital media for communication of weather forecast and agricultural related information required for now and then. 50 farmers were participated in the meeting.



- **DAMU, KVK, Jhajjar Haryana** celebrated the World Water Day on 22<sup>nd</sup> March 2021 and attended the virtual Kisan Mela organized by CCSH AU, Hisar. Farmers were explained GKMS project, AAS service and water and crop management.



## **Published by**

**Agricultural Meteorology Division, India Meteorological Department,  
Shivajinagar, Pune – 411 005.**

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## Photos of FAP

			
KVK Jamnagar, Gujarat	AMFU, Raichur Karnataka	KVK, Banavasi, Kurnool District Andhra Pradesh	FAP by DAMU Godda, Jharkhand
			
KVK Dholpur, Rajasthan	KVK, Haveri, Karnataka	AMFU, Jagtial, Telangana	FAP by DAMU Kathua, Jammu & Kashmir
			
AMFU, Jharnapani, Nagaland	AMFU, Anand, Gujarat	AMFU Bidar Karnataka	FAP by AMFU Mahisapat, Odisha
			
FAP at Pataudi_Bhonkarka Haryana Gurugram	FAP by AMFU Kakdweep, West Bengal	AMFU, Brahavar (Udupi), Karnataka	FAP by AMFU Roorkee Uttarakhand
			
FAP by AMFU Chennai, Tamil Nadu	FAP by AMFU Bharatpur, Rajasthan	FAP by AMFU Mulde Maharashtra	FAP by AMFU, Ooty Tamil Nadu



## Photos of Field visit and other programme

		
Field visit by, DAMU Cachar, Assam	Field visit by KVK Jamnagar Gujarat	Field visit by AMFU, Anand, Gujarat
		
Field visit AMFU Dapoli, Maharashtra	Field visit by DAMU, Golpara, Assam	Field visit by DAMU, Mamit Mizoram
		
Field visit by AMFU, Chintapalle, Andhra Pradesh	Field visit by AMFU Mulde Maharashtra	Field visit by KVK, Dediapada Navsari Gujarat
		
Field visit by AMFU Roorkee Uttarakhand	Field visit by DAMU Surat, Gujarat	Field visit by DAMU Valsadt, Gujarat
		
Field visit by KVK Balaghat Madhya Pradesh	Field visit by KVK Reasi, Jammu and Kashmir	Field visit by AMFU Jorhat Assam
		
Field visit by DAMU, Godda Jharkhand	Field visit by AMFU, Karaikal, Puducherry	Field visit by DAMU under KVK Kathua, J & K