

Unnat Bharat Abhiyan

QUARTERLY REPORT 2022-2023 (October- December)

Kerala Agricultural University
Participating Institute
Unnat Bharat Abhiyan 2.0



KERALA AGRICULTURAL UNIVERSITY

DIRECTORATE OF EXTENSION

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Unnat Bharat Abhiyan is a flagship programme of the Ministry of Human Resource Development, with the intention to enrich Rural India. The knowledge base and resources of the Premier Institutions of the country are to be leveraged to bring in transformational change in the rural developmental process. It also aims to create a vibrant relationship between the society and the higher educational institutes, with the latter providing the knowledge and technology support to improve the livelihoods in rural areas and to upgrade the capabilities of both the public and private organizations in the society. As part of Unnat Bharat Abhiyan 2.0 with the vision of bringing transformational change in rural development processes, Kerala Agricultural University, Thrissur (Participating Institute, UBA 2.0) has selected five-Gram Panchayats viz; Mattathur, Nadathara, Pazhayannur, Venkitangu and Sreenarayanapuram panchayats of Thrissur district to impart knowledge and technology support and thereby to improve the livelihood of the people.

Being a PI, KAU also found its major time for the development of the villages selected under UBA. Scientifically assessed programmes and technology transfer were the focused area of KAU. UBA is also associating with other agencies who could act accordingly in such developmental activities and also channelize the funds to ensure more productive action. Some of the major activities held in the 3rd Quarter of FY 2022-2023 by KAU majorly in the role of PI were listed.

ACTIVITY 5

Training programme on Integrated Pest Management in Coconut in Nadathara Grama panchayat on 7th October 2022

A need-based Seminar on Pest Management was conducted at Nadathara Grama panchayat on 7th October 2022. Familiarizing the important cultivation techniques, the combination of many systems and attempts to increase farmer's income using effective and environmentally sensitive approach to pest management that relies on a combination of common-sense practices were the sessions covered in this training programme. Integrated Pest Management programs use current comprehensive information on the life cycles of pest and their interaction with the environment. This information, in combination with available pest control methods that is used to manage pest damage by the most economical means and with the least possible hazard to people property and the environment were discussed. Aswathy K K, Assistant Professor, KAU and Aswathy A K, Assistant Professor, KAU discussed about the monitoring, identification and action thresholds that indicate the pest control and the preventive controls. Thirty farmers participated in the seminar with the aim of realizing the importance of IPM and the different aspects related to it. We distributed an entomopathogenic fungi, *Lecanicillium lecanii* an effective biocontrol resource that can control agricultural pests such as whitefly and aphids to the beneficiaries of the programme





ACTIVITY 6

Training programme on Micronutrient deficiency in vegetables in Mattathur Grama Panchayath on 20 October 2022.

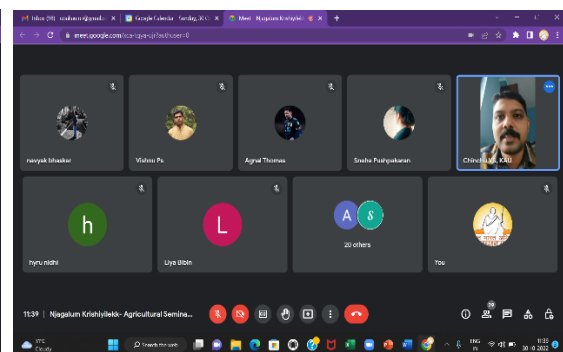
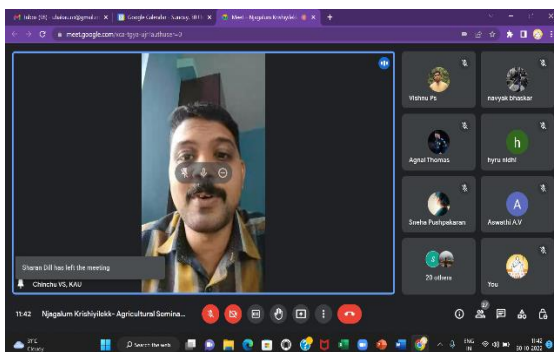
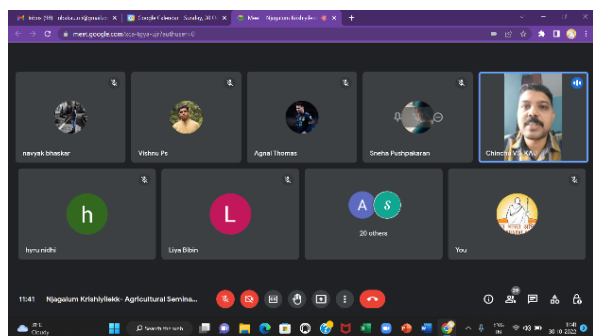
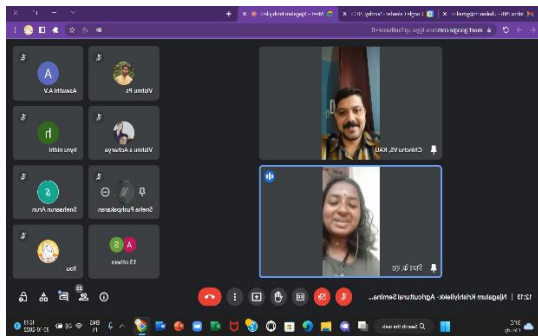
Vegetables constitute a major part in Indian Agriculture in terms of providing food and nutritional security to the Human Being. Providing the needful for farmers and their sustainable development is the major area of UBA cell of Kerala Agriculture University that we are dealing with. So, by the interactions with Panchayat officials and Krishibhavan officers, we have understood that the major problem facing by the vegetable producers are the product loss due to micronutrient deficiency. Thus, higher level of practical knowledge is required to successfully control the problems faced by the micronutrient's deficiency. Dr. Chinchu V S, Assistant Professor, Kerala Agricultural University handled all the sessions related to the respective topic and cleared all the doubts of farmers during the question-answer session. We distributed our own developed micronutrient mixture called Ayar containing Calcium, Magnesium, Sulphur, Boron and Zinc to thirty farmers who were participated in the seminar.



ACTIVITY 7

“Njangalum krishiyilekk” programme at Sree Narayana Guru College of Advanced Studies on 30th October 2022.

‘Njangalum Krishiyilekku’ is a campaign that ensure the production of safe-to-eat items and control the prices of vegetables in the market. Dr. Chinchu V S interacted with students and said about the steps that would be taken to strengthen the agricultural ecosystem. He highlighted the significance of the 'Njangalum Krishiyilekku' campaign, emphasizing its role of educational institutions in ensuring the production of safe-to-eat agricultural products and stabilizing vegetable prices in the market. He also clarified the doubts of students related to the pest and disease management of several crops and guided them for better yield by the application of organic fertilizers. The campaign aimed to strengthen the agricultural ecosystem in the state with the implementation of various measures by sustainable development.



ACTIVITY 8

Training programme on Pest and Diseases in Rice in Pazhayannur Grama Panchayat on 29th November 2022

UBA cell of Kerala Agricultural University organized a training programme on Pest and Disease management in Rice at Pazhayannur Grama Panchayat on 29th November 2022. The training programme mainly focused on the pest and disease management for paddy cultivators in Pazhayannur Gramapanchayath and was designed in such a way that the participants get aware of different stages in rice cultivation and thus proper management. The session was led by Aswathy K K, Assistant Professor, KAU who has experience in respective field and covered several areas such as accurate pest identification, discovering the source, best way to reduce damage and the pest management. Thirty farmers attended the training programme. We have distributed *Ayar* and *Sampoorna*, (micronutrient mixtures) to the beneficiaries of the programme.



ACTIVITY 9

Training programme on Pest and Diseases in Rice in Venkidangu Grama Panchayat on 20th December 2022

UBA cell of Kerala Agricultural University organized a training programme on Pest and Disease management in Rice at Venkidangu Grama Panchayat on 20th December 2022. The training programme mainly focused on the pest and disease management for paddy cultivators in Venkidangu Gramapanchayath and was designed in such a way that the participants get aware of different stages in rice cultivation and thus proper management. The session was led by Dr. Berin Pathrose, Associate Professor, KAU who has a wide range of experience in respective field and he organized a special interactive session with farmers and the Rawe students of College of Agriculture. Thirty farmers attended the training programme. We have distributed *Pseudomonas fluorescens*, a group of bacteria that are very effective against disease incited by species of Phytophthora, Pythium, Rhizoctonia and Xanthomonas to the beneficiaries of the programme.



ACTIVITY 10

Medical Camp at TIES School, Padoor on 22nd December 2022

Every individual has the right to health care, but a lack of quality infrastructure, scarcity of competent medical personnel, and lack of access to essential medicines and medical facilities prevent Indian residents from receiving it. Health camps are effective strategies used by both government and non-governmental organizations, associations, and societies of varying scope and interest. A health camp's main goal and scope are to spread health care facilities in the given area, promote health care, early screening, and detection of disease, reach the unreached community population, and raise awareness of various diseases. Health camps can be organized by health institutions (Private or Government) or NGOs or trusts or profitable organizations. Health forms an Important index of human development and in turn that of the development of any society. It is the fundamental human right. Health, defined as the state of complete physical, mental, social and spiritual well-being and not merely absence of disease and infirmity, proves to be a major contributor to the level of quality of life. Healthy population plays a key role in achieving the developmental activities as health helps to improve the productivity of mankind both directly and indirectly. The health picture of our country is far from satisfactory. The vision of "Health for all by 2000" has not materialized. The situation in rural areas of India, where over two-thirds of our population lives is worse with only rudimentary health care services being available to the masses. All the recent advances in medical science and technology have not reached the majority of the disadvantaged people living in rural India. Poor socio-economic status and poor health status together make a vicious cycle wherein poverty brings inadequate nutrition, unhealthy environment, sickness causing low productivity and hence poverty. Several organizations are working alongside the government and NGOs to help relieve the burden on the public health system using mobile technology. When health systems are overwhelmed, both direct mortality from an outbreak and indirect mortality from vaccine-preventable and treatable conditions increase dramatically. More than hundred residents were the beneficiaries of the programme. In these scenarios we organized a meeting with the panchayath officials to know about the status of rural health and we understood that the Padoor village residents are suffering from kidney failures due to some unknown reasons and we, Unnat Bharat Abhiyan in collaboration with Padoor Charitable Kidney Foundation (PCFK) organized a Medical camp which was useful for about hundreds of residents of venkidangu panchayath. We

selected TIES School, Padoor to organize the medical camp and the programme held on 22nd December 2022.

