

AMITY's Efforts for SDG2 Zero Hunger

2.5.1: Does your university as a body provide access on food security and sustainable agriculture and aquaculture knowledge, skills, or technology to local farmers and food producers?

Empowering local farmers and food producers is a crucial step in achieving food security and sustainable agriculture. Through extension activities, training programs, and access to university facilities, farmers gain the knowledge and skills necessary to thrive in modern farming practices.

Amity University Uttar Pradesh, Noida is committed to generating knowledge and developing technologies for farmers and producers and sharing the developed knowledge and technologies with farmers, students, and all stakeholders. Eight institutions at Amity University are dedicated to working on food security and sustainable agriculture covering the various aspects ranging from soil and value chain development. The excellent lab infrastructure is being used to develop technologies and create solutions for food security and sustainable agriculture. Dedicated extension services work in transferring knowledge and technologies to the farmers.

During the year 2023, several training and demonstrations were conducted in 2.5.1. The details are provided in respective Appendix.

S. no.	Title of the event	Date of the event	Venue	Name of the institution organized	Major Highlights	Appendix no	Page No.
2.5.1: Does your university as a body provide access on food security and sustainable agriculture and aquaculture knowledge, skills, or technology to local farmers and food producers?							
1	Farmers Training programme on Mustard	Februry 23, 2023	Madawarh, Sikandrabad	Amity Centre for Agricultural Extension Services	Farmers training was conducted on mustard on February 23, 2023 at Madawarh, Sikandrabad	Appendix 1	6

2	Training on Innovative farm technologies with Farmer's Producer Organizations (FPOs) in the Aligarh district.	February 28, 2023	Aligarh district	AFAF	1. Overview of new tools and techniques, including nano fertilizers, precision farming technologies, and mobile-based applications for better farm management. 2. Guidance on value addition techniques and product diversification to boost FPOs' competitive edge, helping farmers achieve higher profits. 3. Facilitating connections between FPOs and potential buyers, suppliers, and government officials for partnerships and collaborations. 4. By learning about and adopting innovative technologies like nano fertilizers and precision farming tools, farmers can optimize input use, leading to higher crop yields and better quality produce.	Appendix 2	7
3	Farmers Training programme on Field Pea	March 14, 2023	Bilaspur block dankaur	Amity Centre for Agricultural Extension Services	Farmers training was conducted on field pea on March 14, 2023 at Bilaspur, Block Dankar	Appendix 3	8
4	Farmers Training programme on Lentil	March 15, 2023	Noor pur, Madhiya block Dadri, GB nagar	Amity Centre for Agricultural Extension Services	Farmers training was conducted on lentils on March 15, 2023 at Noor pur, Madhiya block, Dadri, GB Nagar	Appendix 4	9
5	Farmers Training Programme on Barley	March 14, 2023	Jamalpur, block jewar, GB Nagar	Amity Centre for Agricultural Extension Services	Farmers training was conducted on barley on March 14, 2023 at Jamalpiur, block Jewar, GB Nagar	Appendix 5	10

6	Training on plantation drive to protect the environment for farmers in Farmer Producer Organization (FPO), Tanda Block, Ambedkar Nagar District	March 21, 2023	Ambedkar Nagar	AFAF	1. Tree plantations contribute to soil conservation, water retention, carbon sequestration, and temperature regulation, leading to improved crop yields and resilience to climate change. 2. Training on integrating tree planting within agricultural land (agroforestry) to enhance productivity, protect crops, and reduce dependency on chemical inputs. 3. Farmers can work collectively within the FPO to plant and maintain trees, reducing individual workload and fostering a sense of shared responsibility.	Appendix 6	11
7	Farmers Training programme on Urad Bean	October 4, 2023	Salempur, block Jewar, GB Nagar	Amity Centre for Agricultural Extension Services	Farmers training was conducted on Urad bean on October 4, 2023 at Salempur, block Jewar, GB Nagar	Appendix 7	12
8	Farmers Training programme on Sesame	October 10, 2023	Mohammadpur, Jewar	Amity Centre for Agricultural Extension Services	Farmers training was conducted on Sesame on October 10, 2023 at Mohammadpur, Jewar, GB Nagar	Appendix 8	12
9	Farmers Training programme on Urad Bean	October 19, 2023	Kalonda block Dadri, GB Nagar	Amity Centre for Agricultural Extension Services	Farmers training was conducted on Urad bean on October 19, 2023 at Kalonda, block Dadri, GB Nagar	Appendix 9	13-14
10	Farmers Training Programme on Pigeon Pea	November 3, 2023	Kanarsa block dankaur, GB Nagar	Amity Centre for Agricultural Extension Services	Farmers training was conducted on Pigeon pea on November 3, 2023 at Kanarsa, block Dankur, GB Nagar	Appendix 10	15

11	Training for farmers about Nano fertilizers in Aligarh, U.P.	December 15, 2023	Aligarh district	AFAF	<p>1. Overview of what nano fertilizers are, their composition, and how they differ from traditional fertilizers.</p> <p>2. Explanation of how nano fertilizers enhance nutrient uptake, reduce wastage, improve crop yield, and contribute to sustainable farming practices.</p> <p>3. Insights into how nano fertilizers impact soil health positively and enhance the nutritional quality of the crops.</p> <p>4. With lower quantities of nano fertilizers needed and less chemical buildup, soil structure and microbial health can improve, supporting better crop growth over multiple seasons.</p> <p>5. Crops treated with nano fertilizers often have higher nutritional quality, which can help farmers achieve better market prices and consumer demand.</p>	Appendix 11	16-17
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Training programme on Mustard at village Mandawarh, Sikandrabad, Bulandshahr

Appendix 2:

Innovative farm technologies with Farmer's Producer Organizations (FPOs) in the Aligarh district.

Date: 28th February 2023



Meeting with farmers in the Aligarh district



Training programme on Field Pea at village Bilaspur block Dankaur, G B Nagar



Training programme on Lentil at village Noor pur Madhiya block Dadri, G B Nagar



Training programme on Barely at village Jamalpur block Jewar, G B Nagar

Appendix 6

Training on plantation drive to protect the environment for farmers in Farmer Producer Organization (FPO), Tanda Block, Ambedkar Nagar District.

Date of the Event: 21 March 2023

Amity University supported Farmer Producer Organization (FPO) in Tanda Block, Ambedkar Nagar District participated in a plantation drive to protect the environment.



Plantation drive by farmer's in Farmer Producer Organization (FPO) in Tanda Block,



Training programme on Urad Bean at village Salempur block Jewar, G B Nagar



Training programme on Sesame at village Mohammadpur, Jewar

Appendix 9



Training programme on Urad bean at village Kalonda block Dadri, G B Nagar

सरसों की गिरिराज प्रजाति से बढ़ेगी आय

सिकंदराबाद। विकास खंड के ग्राम मंडावरा में एमिटी विश्वविद्यालय के कृषि प्रसार सेवा केंद्र द्वारा किसान प्रशिक्षण शिविर का आयोजन किया गया। शिविर का आयोजन भारतीय सरसों अनुसंधान निदेशालय, सेवर भरतपुर, राजस्थान के सहयोग से किया गया। एमिटी कृषि प्रसार प्रभारी डॉ. नीतू सिंह, पूर्व निदेशक डॉ. एनपी सिंह, वरिष्ठ शोध अधिकारी रोशनलाल, कृषि विज्ञान केंद्र के वैज्ञानिकों ने किसानों को सरसों की गिरिराज प्रजाति के बारे में विस्तारपूर्वक जानकारी दी। शोध अधिकारी रोशनलाल, डॉ. राजीव सिरोही, ब्रजपाल सिंह, सतीश कुमार ने किसानों को जानकारी दी। संचालन शोध अधिकारी रोशनलाल ने किया। शिविर में 60 किसानों ने भाग लिया। संवाद

दलहनी रबी फसलों पर किसान गोष्ठी का आयोजन



रबूपुरा, 16 मार्च (देशबन्धु)। एमिटी कृषि प्रसार केंद्र नोएडा द्वारा मेहमदपुर व विलासपुर में किसान गोष्ठी का आयोजन किया गया। जिसमें राष्ट्रीय खाद्य सुरक्षा मिशन के अंतर्गत किसानों की आय वृद्धि के लिए दलहनी फसलों का क्षेत्रफल बढ़ाने हेतु मटर, मसूर व अन्य दलहन फसलों पर किसानों को जागरूक किया गया। भारतीय दलहन अनुसंधान संस्थान कानपुर के सहयोग से आयोजित कार्यक्रम में एमिटी कृषि प्रसार सेवा केंद्र प्रभारी डॉ. नीतू सिंह ने कहा कि किसानों को दलहनी फसलों का क्षेत्रफल बढ़ाने एवं प्राकृतिक खेती पर बल देना चाहिए। साथ ही दलहनी फसलों में

लगने वाले जड़गाँठ, सत्रकुमि एवं झुलसा रोग के देसी एवं मूल्य प्रभावी जैव प्रबंधन हेतु नीम खली एवं ट्राइकोडर्मा का प्रयोग करना चाहिए। साथ ही गुणवत्तापूर्ण रोग रोधी फसल के लिए समय से बुआई करने की सलाह दी। डॉ. रोशन लाल व ज्ञानेंद्र सिंह ने बताया कि दलहनी फसलों से कम लागत में अधिक मुनाफा प्राप्त के साथ ही भूमि की उत्पादन क्षमता में भी वृद्धि होती है। किसानों को मिट्टी जांच कराकर फसल की मांग अनुरूप संतुलित मात्रा में उर्वरकों का प्रयोग करना चाहिए। इस दौरान संजय सिंह, हेतराम, मनजीत, कैलाश, मोहित, हेतराम, वीरपाल, सुधीर, रणवीर सिंह आदि किसान मौजूद रहे।

Appendix 10



Training programme on Pigeon Pea at village Kanarsa block Dankaur, G B Nagar

Appendix 11

Training for farmers about Nano fertilizers.

Date of the Event: 15 December 2023

We celebrated World Soil Day at KVK Aligarh with support from IFFCO on role of nanofertilizers in soil and plant health. Also demonstrated spray of nano fertilisers by drone. JDA, DDA, and DAO alongwith KVzk head and three technical experts were the panelist in the meeting. More than 75 farmers from Aligarh district participated . Farmers from two FPOS promoted by Amity University as CBBO. Also participated in. the meeting.



Training for farmers about Nano fertilizers



Training for farmers about Nano fertilizers