



**EXTENSION EDUCATION INSTITUTE, NILOKHERI
&
ICAR-INDIAN INSTITUTE OF WHEAT AND BARLEY RESEARCH, KARNAL**



Training Title: *Innovative Extension Methods for Upscaling Wheat and Barley Production Technologies*

Duration: 05 Days (15-19 September, 2025)

Course Directors: Dr. Jasvinder Kaur, Assistant Professor, EEI, Nilokheri
Dr. Anuj Kumar, Principal Scientist, ICAR-IIWBR, Karnal
Dr. Ravindra Singh Shekhawat, Sr. Scientist, ICAR-IIWBR, Karnal

Training Schedule

TIME	DATE AND TOPIC	RESOURCE PERSON
DAY-1: 15/09/2025 (Monday)		
10:00 AM 10:30 AM	Registration	Mr. Ankit Kamboj EEI Nilokheri
10:30 AM 11:15 AM	Ice breaking and Inauguration of Training	Regional Director, Coordinators Faculty and Participants
Tea Break		
11:30 AM 1:00 PM	Usefulness of GIS and GPS for innovative extension methods	Mr. Kamaldeep Sangwan Faculty, IIRD, Nilokheri
Lunch Break		
2:00PM 3:15 PM	Concept of innovative extension methods for upscaling wheat and barley production technologies	Dr. Anuj Kumar Principal Scientist ICAR-IIWBR, Karnal
Tea Break		
3:30 PM 5:00 PM	Upscaling of seeds of new varieties and their seed production technologies to farmers	Dr. Amit Sharma Principal Scientist ICAR-IIWBR, Karnal
DAY-2: 16/09/2025 (Tuesday)		
09:00AM - 9:30AM	Recall session	Dr. Jasvinder Kaur
9:30AM- 11:00AM	Weed management strategies to be upscaled to overcome herbicide resistance in wheat and barley	Dr. RS Chhokar Principal Scientist ICAR-IIWBR, Karnal
Tea break		
11:30 AM 1:00 PM	Upscaling of integrated nutrient management in wheat and barley crops for more income	Dr. Subhash Chander Gill PI, Resource Management, ICAR-IIWBR, Karnal
Lunch Break		

2:00 PM 3:30 PM	Upscaling of plant protection technologies for the benefits of farmers	Dr. Ravindra Kumar Senior Scientist ICAR-IIWBR, Karnal
Tea break		
3:45 PM 5:00 PM	Breaking the myths: Science behind wheat gluten and health	Dr OP Gupta Senior Scientist ICAR-IIWBR, Karnal
DAY-3: 17/09/2025 (Wednesday)		
9:00 AM 9:30 AM	Recall session	Dr. S.R. Verma
9:30 AM 11:00 AM	Use of media platforms for scaling of technologies in agriculture	Dr Ajay Saini Asst. Professor, EEL, Nilokheri
Tea break		
11:30 AM 1:00 PM	Basic drone technology skills for extension functionaries	Dr. Yuvraj Asst. Professor, MIHU, Anjanthali
Lunch Break		
02:15PM- 03:45PM	Sixty years of wheat and barley research in India and future challenges	Dr. Ratan Tiwari Director, ICAR-IIWBR, Karnal
03:45PM- 04:00PM	TEA BREAK	
04:00PM- 05:30PM	Potentials and possibilities of huskless barley in India	Dr. Omvir Singh PI, Barley Improvement ICAR-IIWBR, Karnal
DAY-4: 18/09/2025 (Thursday)		
9:00 AM 09:30 AM	Recall Session	Dr. S.R. Verma
9:30 AM 11:00 AM	Physical, mental and spiritual fitness of extension professionals for upscaling of technologies	Dr Sanjay Kumar RD, EEL, Nilokheri
Tea Break		
11:30 AM 1:00 PM	Economics of wheat and barley cultivation for profitability	Dr. Ravindra Singh Shekhawat Senior Scientist ICAR-IIWBR, Karnal
Lunch Break		
02.15PM- 03.45PM	Bio-fortification of wheat to address hidden hunger issues	Dr. CN Mishra Senior Scientist ICAR-IIWBR, Karnal
03:45PM- 04:00PM	TEA BREAK	
04:00PM- 05:30PM	Climate resilient varieties: A mitigation strategy against climate change	Dr Rinki Scientist, ICAR-IIWBR, Karnal
5:30 PM- 9:00 PM	Exposure visit at Kurukshetra	Participnats
DAY-5: 19/09/2025 (Friday)		
9:00 AM 9:30 AM	Recall session	Dr. Anuj Kumar