As a part of '**Azadi Ka Amrit Mahotsav' India@75** celebration to commemorate the 75th Anniversary of India's Independence, ICAR-IISS, Bhopal is organizing a series of events. Under **"Swachhta Action Plan"**, ICAR-IISS organized "**On-farm demonstration of advanced composting technology using microbial inoculants and earthworms"** on **12th July 2021,** at village **Rasuliya Pathar** to create awareness on crop residue/organic waste recycling and reuse rather than burning. Microbial consortia developed by the Institute scientists was demonstrated on farmers field to reduce the composting period of 6-8 months to 2-3 months. Dr. A. B. Singh, Principal Scientist and Head, explained how the farm waste and cattle dung available at farmers' cattle yard can be utilized for compost preparation using consortia in the shortest possible time. Dr. J.K. Thakur, Scientist, demonstrated how to use microbial culture in different layers during heap method of composting. Dr. R.S. Chaudhary, Principal Scientist and Head, explained farmers about importance of organic manure in soil health, human health and environmental security. Dr. A. K. Vishwakarma, Principal Scientist, detailed the process for preparation of vermicompost using farm waste and cattle dung and distributed portable vermibed. Dr. Asha Sahu, Scientist, demonstrated the use of "Family Net Vessel Compost (FNVC) Technology" and distributed it to the farm women for efficient recycling of kitchen waste. About 50 farmers along with Institute Scientist and staff participated in this program with great enthusiasm and made the program successful.

Step by step demonstration of heap method of composting using microbial consortia

Heap Preparation

Distribution of FNVC

Distribution of Vermibed

Demonstration of Vermibed