

Crop Research Station, Masodha, Faizabad

Pin: 224 133, Uttar Pradesh

The Crop Research Station, Masodha, Faizabad formerly known as Rice Research Station, was established in the year 1951. This Station is a satellite centre of N.D. University of Agriculture & Technology, Faizabad. It is situated at 26.47'N latitude, 82.12'E Longitude and 113 m altitude above mean sea level on the Faizabad-Allahabad road. The soil of station is sandy loam with alkaline tendency, rich in potassium and moderate in organic matter. The Centre has well equipped laboratories, net house, glass house and field facilities to conduct rice research on different ecosystems *viz.*, drought prone rainfed upland, rainfed lowland- shallow water and semi deep ecology, irrigated etc. Rice scientists deployed in different disciplines like Plant Breeding, Agronomy, Soil Science, Physiology, Pathology and Entomology are working at the station. The Centre shoulders the responsibility of catering to the varietal needs of different prevailing ecosystems. Accordingly, altogether 18 varieties have been released for various ecologies and areas including NDRH 2, the first rice hybrid of the state. This centre also takes the credit of releasing the hybrid Narendra Usar Sankar Dhan 3 (NDURH-3) which is the first saline tolerant hybrid released for problem soils in the country. Till date, the centre has collected/acquired 1020 accessions including local and exotic germplasm, covering diverse genetic variability. These germplasm have been assessed for morphological traits, quality traits and resistance to prevailing disease and pests.

In addition to the AICRIP project the centre also collaborates with the national and International institutes. The projects in operation at centre are Sodh Yojana, Consortium for unfavourable rice environments (CURE), Upland Rice Shuttle Breeding network Project (IRRI-NDUAT, collaborative project), IRRI-India Drought Breeding Network and Networking project on collection, evaluation, cataloguing and improvement of traditional scented rice.

Varieties developed and recommended by Masodha Centre for various ecosystems

Variety	Parentage/Designation	Year of release	Maturity (days)	Yield (q/ha)	Grain type
Narendra-359	BG90-2-4/OYE77	1993	130	60-65	LS
Hybrid Rice					
Narendra Sankar Dhan-2	IR58025A/NDR3026- 3-1	1998	130	65-70	LS
C. Rainfed Lowland					
Shallow Deep (30-50cm)					
NDR 8002	IR 67493-M – 2	2004	140	40-45	LS
Jal Lahri	Pankaj/Mahsuri// TKM6	1993	145	40-50	MS
D. Usar/Problem Soil					
Narendra Usar Dhan - 2	IR1814/IR1366- 120 -3-1//IR1539- 37-3-1	1995	125	30-40	LS
NarendraUsar Dhan -3	LeungYAI 148/IR 9129-209-2-2-1 //IR 18272-27-3-1	1999	130	45-50	LS
NDURH-3	IR58025A/NDRK5026 -1 R	2005	130	50-55	LS
E. Aromatic Rice					
Lalmati	Land Race	2007	110	30-35	SS

Variety	Parentage/Designation	Year of release	Maturity (days)	Yield (q/ha)	Grain type
Narendra-359	BG90-2-4/OYE77	1993	130	60-65	LS
Hybrid Rice					
Narendra Sankar Dhan-2	IR58025A/NDR3026- 3-1	1998	130	65-70	LS
C. Rainfed Lowland					
Shallow Deep (30-50cm)					
NDR 8002	IR 67493-M – 2	2004	140	40-45	LS
Jal Lahri	Pankaj/Mahsuri// TKM6	1993	145	40-50	MS
D. Usar/Problem Soil					
Narendra Usar Dhan - 2	IR1814/IR1366- 120 -3-1//IR1539- 37-3-1	1995	125	30-40	LS
NarendraUsar Dhan -3	LeungYAI 148/IR 9129-209-2-2-1 //IR 18272-27-3-1	1999	130	45-50	LS
NDURH-3	IR58025A/NDRK5026 -1 R	2005	130	50-55	LS
E. Aromatic Rice					
Lalmati	Land Race	2007	110	30-35	SS



Name	Designation	Contact address
Brij Lal	Professor	(O) 05278-254153
Dr. S.P. Giri	Sr. Rice Breeder, Professor & Officer-Incharge	