Rice Germplasm Registered during July-December 2023 at ICAR-National Bureau of Plant Genetic Resources, New Delhi

Sl No.	Crop Name	Botanical Name	National Identity	Donor Identity	INGR No.	Novel Unique Features
1	Rice	*Oryza sativa*	IC648583	Meghalaya Lakang; RCMR-13	23001	Leaf blast resistance. Neck blast resistance. Exhibited combined resistance to leaf blast (score 2 on SES scale) and neck blast (score 1 on SES scale).
2	Rice	*Oryza sativa*	IC648978	RP6253-MV2 (Varadhan × MTU1010/2)	23002	High Nitrogen Use Efficiency (NUE) under N-Low and N-50 input.
3	Rice	*Oryza sativa*	IC648592	MSM-3, TI-3, IET-28688	23003	Increased root length and root volume. Better seedling vigour index.
4	Rice	*Oryza sativa*	IC0640862	Black Gora (IC0640862); NPM/SR4	23004	Tolerant to submergence with high anaerobic germination potential.
5	Rice	*Oryza sativa* × *O. nivara*	IC648977	RPbio4918-166S	23005	High photosynthetic rate. High seedling vigour.
6	Rice	*Oryza sativa*	IC648593	IR 129477-902-121-10-1-1	23006	Biotic resistance genes Xa4, BPH3, GM4, Pita. QTL markers (AG9.1, qDTY3.1, qGY6.1, qGY10.1, qNR4.1 and qNR5.1).
7	Rice	*Oryza sativa*	IC648594	IR 129477-709-375-3-5-7	23007	Biotic resistance genes GM4, Pita QTL for anaerobic germination (AG9.1). QTL markers (qDTY3.1, qDTY12.1, qGY6.1 and qNR5.1).
8	Rice	*Oryza sativa*	IC648595	IR 129477-1629-14-1-4-2	23008	Biotic resistance genes Xa4, xa5, Xa21, BPH3, Pi9, Pita. QTL markers (AG9.1, qDTY3.1, qNR5.1, qRHD1.1 and qEMM1.1).
9	Rice	*Oryza sativa*	IC648596	IR 129477-1629-210-4-4-4	23009	Biotic resistance genes xa5, Xa21, BPH3, Pita. QTL markers (AG9.1, qDTY2.1, qDTY3.1, qNR5.1, qRHD1.1 and qEMM1.1).
10	Rice	*Oryza sativa*	IC648597	IR 129477-3343-500-36-5-1	23010	Biotic resistance genes Xa4+xa5+xa13 + GM4+Pita. QTL markers (AG9.1, qDTY3.1, qRHD1.1 and qEMM11.1).

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11	Rice	*Oryza sativa*	IC648598	IR 129477-4026-249-15-1-2	23011	Biotic resistance genes Xa4, Xa21, BPH3, GM4. QTL markers (AG9.1, qDTY3.1, qDTY12.1, qRHD1.1, qRHD5.1 and qEMM11.1)
12	Rice	*Oryza sativa*	IC648599	IR 129477-4139-439-1-1-2	23012	Biotic resistance genes Xa4, xa5, Xa21, Pi9, Pita. QTL markers (AG9.1, qDTY3.1, qDTY12.1 and qEMM11.1).
13	Rice	*Oryza sativa*	IC648600	IR 129477-4197-209-2-2-2	23013	Biotic resistance genes Xa4, xa5, Xa21, Pita, Pita2. QTL markers (AG9.1, qDTY3.1 and qNR5.1).
14	Rice	*Oryza sativa var. indica*	IC648601	MTU 1184	23014	Submergence tolerance.
15	Rice	*Oryza sativa var. indica*	IC648602	MTU IJ 206-7-4-1; MTU IJ 206-7-4-1 (BM 71)	23015	Resistance to Brown Plant Hopper.
16	Rice	*Oryza sativa*	IC648979	CSAR 7-9-2020 (IET 29356)	23016	Tolerance against soil sodicity.
17	Rice	*Oryza sativa*	IC646828	SM-92; IIRR-BIO-SB-9; RP5977-BIO-SB-9	23065	Tolerance to yellow stem borer.
18	Rice	*Oryza sativa*	IC650728	IL19273, 19273, FBL 19273	23068	Multiple tolerance to sheath blight, sheath rot, RTD, leaf blast and neck blast diseases. Drought tolerance-high yield under reproductive stage drought stress
19	Rice	*Oryza sativa*	IC650729	IRGC 39111	23069	Strong culm.
20	Rice	*Oryza sativa*	IC650730	IL 19101, FBL 19101, FBL 19102, IL 19102, RP 6614-101, RP 6614-102	23070	Resistance to gall midge. Resistance to bacterial blight. Resistance to blast
21	Rice	*Oryza sativa*	IC650767	IL 19471, IET 29834	23071	Reproductive stage drought tolerance. Resistance to blast and bacterial blight.
22	Rice	*Oryza sativa*	IC635486	MCM 109	23072	Salt tolerance (EC-5 to 11.95ds/m)

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23	Rice	*Oryza sativa*	IC650731	CRR751-1-12- B-B (IET 28033)	23073	Tolerance to reproductive stage drought stress. Tolerance to Submergence. Resistance to blast disease.
24	Rice	*Oryza sativa*	IC650732	IET29482 (RP6211- PR/ RIL-Q181)	23074	High grain Zn content (28.22ppm) in polished rice grain. High Protein content (8.08%) in polished rice grain
25	Rice	*Oryza sativa*	IC650734	IET29484 (RP6204-MB/ RIL-J159)	23075	High grain Zn content (24.32ppm) in polished rice grain.
26	Rice	*Oryza sativa*	IC650733	RP6257- SJ3 (Sampada× Jaya /3)	23076	High and stable grain yield under N-Low, N-50 and N-100 fertilizer input. High Nitrogen use Efficiency under N-Low and N-50 input.
27	Rice	*Oryza sativa*	IC650735	RP6252-BV/ RIL/1689 (CNN1)	23077	High and stable grain yield under N-Low, N-50 and N-100 fertilizer input. High Nitrogen Use Efficiency under N-Low and N-50 input. High nutrient (NPK) uptake and high grain yield under native sodic soil conditions (without gypsum amendment; pH 8.5 – 10.0) across field locations under AICRIP testing.
28	Rice	*Oryza sativa*	IC646727	AC43160	23121	High total anthocyanin (116.76 mg/100g). High total gammaoryzanols (86.26mg/100g). High total phenolic content (788.18 mg/100g). High total flavonoid content (221.27 mg/100g). High ABTS Activity germplasm (3163.94. AAE/g). Low phytic acid content (0.16 g/100g).

Source : Head & Member-Secretary, Plant Germplasm Registration Committee **(http://www.nbpgr.ernet.in:8080/registration/InventoryofGermplasm.aspx),** ICAR-NBPGR, New Delhi.

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Chief Editor