

Supplementary Table 1: Local rice landraces found in different areas of Bangladesh

Rice Landraces	Founding place	Rice Landraces	Founding place
Rajashail	Noakhali, Feni	Ausha Boro	Mymensingh
Galong	Chittagong Hill tracts	Kali Boro	Mymensingh
Banjira	Barishal	Biroi	Mymensingh
Tulshimala	Sherpur	Kaika Boro	Mymensingh
Pashushail	Habiganj	Dholi Boro	Tangail
Mogol Sail	Kishoreganj	Bhaturi	Tangail
Madhab Sail	Kishoreganj	Rata Boro	Netrokona
Gola Tepi	Kishoreganj	Gasbar	Netrokona
Kolisha Boro	Kishoreganj	Khaia Boro	Sylhet
Chhola Boro	Kishoreganj	Jhatil Sail	Sylhet
Lahaya	Kishoreganj	Bimion	Sylhet
Gochi	Kishoreganj	Jamir	Faridpur
Lakhai	Kishoreganj	Kali Boro	Faridpur
Bash Boro	Kishoreganj	Ulia	Faridpur
Begun Bitchi	Kishoreganj	Bawoi	Faridpur
Binni	Chittagong Hill tracts	Lal Boro	Habiganj
Choudhury sail	Sunamganj	Birain	Habiganj
Ashani	Sunamganj	Lara	Habiganj
Sona Rata	Habiganj	Badol Boro	Sylhet
Gobi Sail	Habiganj	Jomir Sail	Sylhet
Subol lota	Jhenaidah	Jirasail	Naogao
Ganjiya	Kurigram	Sadamota	Jhalakati
Katarivog	Dinajpur	Paijam	Sherpur
Bashful	Khulna	Chinigura	Dinajpur
Pashusail	Habiganj	Kajollota	Jhenaidah

(Siddique *et al.*, 2025a)**Supplementary Table 2: Cultivated area and production status of local, high yielding and hybrid rice from 2014-15 to 2024-25 during Aus and Aman season**

Year	Aus Area (lakh ha)			Aus Production (lakh metric ton)			Aman Area (lakh ha)			Aman Production (lakh metric ton)		
	Local	HYV	Hybrid	Local	HYV	Hybrid	Local	HYV	Hybrid	Local	HYV	Hybrid
2014-15	2.30	8.17	-	2.93	20.35	-	14.89	40.41	-	23.02	108.88	-
2015-16	2.12	8.06	-	2.78	20.11	-	14.41	41.50	-	22.43	112.40	-
2016-17	1.88	7.53	-	2.54	18.80	-	14.11	41.72	-	22.17	114.40	-
2017-18	1.60	9.15	-	2.23	24.87	-	13.02	43.78	-	17.83	122.10	-
2018-19	1.76	9.30	-	2.42	25.34	-	12.11	44.11	-	16.68	123.86	-
2019-20	1.32	9.64	-	1.62	25.94	-	10.71	44.89	-	14.95	127.08	-
2020-21	1.07	11.98	-	1.39	31.46	-	10.71	44.89	-	14.95	127.08	-
2021-22	1.01	10.59	-	1.31	28.69	-	10.44	45.81	-	15.04	129.34	-

2022-23	0.85	9.76	-	1.22	27.79	-	9.05	48.19	-	13.71	140.55	-
2023-24	0.68	9.14	0.53	1.03	26.73	1.97	8.12	46.20	3.19	12.65	142.29	11.63
2024-25	0.54	8.54	0.51	0.83	25.24	1.87	7.54	45.14	3.44	11.27	140.23	12.64
Decline/ increase percentage	-76.50	+4.52	-	-71.67	24.03	-	-49.36	+11.71	-	-51.04	+28.79	-

Source: (BBS, 2025)

Supplementary Table 3: Cultivated area and production status of local, high yielding and hybrid rice from 2014-15 to 2024-25 during Boro season

Year	Boro Area (lakh ha)			Boro Production (lakh metric ton)		
	Local	HYV	Hybrid	Local	HYV	Hybrid
2014-15	0.53	40.90	6.98	0.99	157.83	33.11
2015-16	0.47	40.44	6.82	0.89	156.09	32.39
2016-17	0.34	37.51	6.91	0.66	146.75	32.73
2017-18	0.32	40.44	7.83	0.62	158.35	36.78
2018-19	0.45	38.90	8.53	0.85	153.64	41.11
2019-20	0.33	38.43	8.86	0.61	154.58	41.27
2020-21	0.31	37.63	9.93	0.56	152.02	46.27
2021-22	0.25	36.54	11.36	0.45	148.23	53.17
2022-23	0.25	36.20	12.08	0.47	149.85	57.36
2023-24	0.23	35.87	12.68	0.44	149.57	60.67
2024-25	0.14	35.78	12.97	0.27	150.68	62.27
Decline/ increase percentage	-73.58	-12.51	+85.82	-72.72	-4.53	+88.07

Source: (BBS, 2025)