

Table S1. Soil properties of the selected sites

	Soil	Sand (%)	Silt (%)	Clay (%)	pH	Organic matter (%)	CEC (cmol kg ⁻¹)	Exchangeable (cmol kg ⁻¹)				Status of K	K saturation (%)
								Ca	Mg	Na	K		
1	Amnura Loam (AL)	49	28	23	5.2	1.48	5.1	2.14	1.37	0.27	0.05	Very low	0.98
2	Palashbari Clay Loam (PCL)	38	32	30	6.2	1.86	12.7	6.16	4.60	0.34	0.06	Very low	0.47
3	Nachol Loam (NL)	37	38	25	5.1	1.09	10.1	3.60	3.00	0.24	0.12	Low	1.19
4	Sara Loam Pabna (SLP)	29	44	27	8.3	1.05	27.4	21.83	3.91	0.23	0.30	Optimum	1.09
5	Sara Loam Kushtia (SLK)	39	38	23	8.0	1.10	25.1	20.05	2.96	0.29	0.14	Low	0.56
6	Gopalpur Clay Loam (GCL)	37	31	32	7.5	1.07	22.4	14.04	5.41	0.23	0.12	Low	0.54
7	Barishal Clay (BC)	24	12	64	7.8	2.09	38.7	23.05	8.66	1.84	0.65	Very high	1.68
8	Jhalokathi Clay (JC)	24	34	42	7.1	1.84	24.5	10.04	7.72	0.43	0.40	High	1.63
9	Gopalpur Clay (GC)	23	15	62	7.4	1.97	36.3	22.80	11.39	0.44	0.52	Very high	1.43
10	Chhiata Loam (CL)	33	41	26	5.3	1.69	6.7	3.12	2.13	0.27	0.09	Very low	1.34
11	Silmondi Clay Loam (SCL)	26	44	30	5.3	1.26	9.2	3.77	2.63	0.20	0.28	Optimum	3.04