

**Table S1. Upazila-wise distribution of *haor* areas in different districts of Bangladesh**

District	No. of upazilas	No. of upazilas with haor	% of upazila with haor in a district	% of upazila with haor in Bangladesh
Sunamganj	12	12	100	2.4
Sylhet	14	14	100	2.8
Habiganj	09	07	78	1.4
Moulvibazar	07	06	86	1.2
Netrakona	10	07	70	2.8
Kishoreganj	13	11	85	2.2
Brahmanbaria	09	04	44	0.8
Total	74	61	82	-
Bangladesh	495	61	-	12.3

**Table S2. Ranges and classes of soil pH in *haor* region during 2006–2021**

	HL	MHL	MLL	LL	VLL
Max	5.80	6.4	6.6	6.5	6.9
Class	Slightlyacidic	Slightlyacidic	Neutral	Slightlyacidic	Neutral
Min	3.60	3.55	3.6	3.5	3.4
Class	Extremely acidic	Extremely acidic	Extremely acidic	Extremely acidic	Extremely acidic

**Table S3.: Range and classes of soil pH in *haor* region during 1999–2002**

	MHL	MLL	LL	VLL
Max	4.4	6.4	6.3	4.9
Class	Verystrongly acidic	Slightlyacidic	Slightlyacidic	Stronglyacidic
Min	4.3	4.0	4.0	4.1
Class	Verystrongly acidic	Verystrongly acidic	Verystronglyacidic	Verystrongly acidic

**Table S4. Land use by number of crops grown per year in *haor* districts in 2020**

District	Area under cropping (ha)				Cropping intensity
	Single cropped	Double cropped	Triple cropped	Net cropped	
<b>Brahmanbaria</b>	45865	75495	10360	131720	173
<b>Kishoreganj</b>	107412	47928	56358	211698	176
<b>Netrakona</b>	56949	130674	29560	217183	187
<b>Habiganj</b>	103113	53989	32120	189222	162
<b>Moulvibazar</b>	43555	66939	17887	128381	180
<b>Sunamganj</b>	174495	64636	14725	253856	137
<b>Sylhet</b>	54623	128139	8983	191745	176
<b>Haor districts</b>	586012	567800	169993	1323805	169
<b>Bangladesh</b>	2111741	4127126	1867611	8106478	197

**Table S5. Status of combine harvester and reaper in the *haor* region**

District	Combine harvester (no.)		% increase in combine harvester	Reaper (no.)		% increase in reaper
	2019	2020		2019	2020	
<b>Brahmanbaria</b>	22	39	77	17	20	18
<b>Kishoreganj</b>	48	88	83	86	99	15
<b>Netrakona</b>	49	102	108	24	25	4
<b>Habiganj</b>	35	57	63	162	195	20
<b>Moulvibazar</b>	39	44	13	121	124	2
<b>Sunamganj</b>	98	142	45	203	213	5
<b>Sylhet</b>	57	68	19	171	173	1
<b>Total</b>	348	540	55	784	849	8