



Land and soil characteristics	Cropping pattern		Yield goal (t/ha)	Fertilizer recommendation (kg/ha)							
	Seasons	Crops		N	P	K	S	Mg	Zn	B	Mo
	<b>Irrigated</b>										
	Rabi	Sugarcane	82.0±8.2	125	35	130	25	30	2.5	2	-
	Rabi	Sugarcane+	82.0±8.2	125	35	130	25	30	2.5	2	-
		Potato	10.0±1.0	30	12	45	5	-	-	-	-
	Rabi	Sugarcane+	82.0±8.2	125	35	130	25	30	2.5	2	-
		Onion/	8.0±0.8	45	15	60	10	-	-	-	-
		Garlic	5.0±0.5	35	15	45	10	-	-	-	-
	Rabi	Sugarcane+	82.0±8.2	125	35	130	25	30	2.5	2	-
		Mungbean	0.7±0.07	7	10	5	5	-	-	-	-
	Rabi	Boro (MV)	4.8±0.5	96	10	54	6	-	1.0	-	-
	Kharif-1	Fallow	-	-	-	-	-	-	-	-	-
	Kharif-2	T.Aman (MV)	4.0±0.4	66	5	23	6	-	0.5	-	-
	Rabi	Boro (MV)	4.8±0.5	96	10	54	6	-	1.0	-	-
	Kharif-I	GM	-	-	-	-	-	-	-	-	-
	Kharif-2	T.Aman (MV)	4.0±0.4	40	5	23	6	-	0.5	-	-
	Rabi	Wheat	3.5±0.35	90	15	75	4	4	-	1.0	-
	Kharif-1	Fallow	-	-	-	-	-	-	-	-	-
	Kharif-2	T.Aman (MV)	4.0±0.4	66	5	23	6	-	1.0	-	-
	Rabi	Wheat	3.5±0.35	90	15	75	4	4	-	1.0	-
	Kharif-I	GM	-	-	-	-	-	-	-	-	-
	Kharif-2	T.Aman (MV)	4.0±0.4	40	5	23	6	-	1.0	-	-
	Rabi	Wheat	3.5±0.35	90	15	75	4	4	-	1.0	-
	Kharif-1	T.Aus	3.2±0.32	55	5	18	4	-	-	-	-
	Kharif-2	T.Aman (MV)	4.0±0.4	66	5	23	6	-	1.0	-	-
	Rabi	Maize	8.0±0.8	196	37	112	25	12	3.0	1.0	-
	Kharif-1	Fallow	-	-	-	-	-	-	-	-	-
	Kharif-2	T.Aman (MV)	4.0±0.4	66	5	22	6	-	1.0	-	-
	Rabi	Potato	25±2.5	96	16	96	8	6	2.0	0.5	-
	Kharif-1	T.Aus	3.2±0.32	55	5	18	4	-	-	-	-
	Kharif-2	T.Aman (MV)	4.0±0.4	66	5	22	6	-	1.0	-	-
Land Type : Medium Highland O.M: Low pH 4.0-6.5 Texture: Loamy K-mearing minerals: Low	<b>Rainfed</b>										
	Rabi	Fallow	-	-	-	-	-	-	-	-	-
	Kharif-1	B.Aus (LIV)	2.5±0.25	30	6	21	4	-	-	-	-
	Kharif-2	T.Aman (LIV)	3.0±0.3	45	4	23	6	-	1.0	-	-
	Rabi	Wheat	2.5±0.25	45	10	36	3	2	-	1.0	-
	Kharif-1	Fallow	-	-	-	-	-	-	-	-	-
	Kharif-2	T.Aman (LIV)/	3.0±0.3	45	4	28	6	-	1.0	-	-

Land and soil characteristics	Cropping pattern		Yield goal (t/ha)	Fertilizer recommendation (kg/ha)							
	Seasons	Crops		N	P	K	S	Mg	Zn	B	Mo
		T.Aman (MV)	4.0±0.4	66	5	35	6	-	1.0	-	-
	Rabi	Wheat	2.5±0.25	45	10	36	3	2	-	1.0	-
	Kharif-I	Jute(0)	3.5±0.35	75	7	50	5	-	-	-	-
	Kharif-2	T.Aman (LIV)	3.0±0.3	45	4	28	6	-	1.0	-	-
	Rabi	Potato	20±2.0	70	12	70	6	4	2.5	0.5	-
	Kharif-I	Jute(0)	3.5±0.35	75	7	33	5	-	-	-	-
	Kharif-2	T.Aman (LIV)/	3.0±0.3	45	4	18	6	-	-	-	-
		T.Aman (MV)	4.0±0.4	66	5	22	6	-	1.0	-	-
	Rabi	Fallow	-	-	-	-	-	-	-	-	-
	Kharif-1	Kaon	2.5±0.25	45	12	30	5	-	-	-	-
	Kharif-2	T.Aman (LIV)/	3.0±0.3	45	4	28	6	-	-	-	-
		T.Aman (MV)	4.0±0.4	66	5	35	6	-	1.0	-	-
	Rabi	Fallow	-	-	-	-	-	-	-	-	-
	Kharif-1	Jute(0)	3.5±0.35	75	10	58	10	-	-	-	-
	Kharif-2	T.Aman (LIV)	3.0±0.3	45	4	21	6	-	1.0	-	-
Land Type: <b>Irrigated</b>											
Medium Highland	Rabi	Mustard (LIV)	1.2±0.1	54	12	45	8	3.5	-	1	-
O.M: Low to Medium		Boro (MV)	4.8±0.5	96	7	46	6	-	-	-	-
pH: 4.0-6.5	Kharif-1	Fallow	-	-	-	-	-	-	-	-	-
Texture: Loamy	Kharif-2	T.Aman (MV)	4.0±0.4	66	5	23	6	-	1.0	-	-
K-bearing minerals: low	Rabi	Boro (MV)	4.8±0.5	96	10	54	6	-	1.0	-	-
	Kharif-1	GM	-	-	-	-	-	-	-	-	-
	Kharif-2	T.Aman (MV)	4.0±0.4	40	5	23	6	-	0.5	-	-
	Rabi	Wheat	3.5±0.35	90	16	75	4	4	-	1.0	-
	Kharif-1	Fallow	-	-	-	-	-	-	-	-	-
	Kharif-2	T.Aman (MV)	4.0±0.4	66	5	23	6	-	1.0	-	-
	Rabi	Wheat	3.5±0.35	90	16	75	4	4	-	1.0	-
	Kharif-1	GM	-	-	-	-	-	-	-	-	-
	Kharif-2	T.Aman (MV)	4.0±0.4	40	5	23	6	-	1.0	-	-
	Rabi	Wheat	3.5±0.35	90	16	75	4	4	-	1.0	-
	Kharif-1	Jute(0)	3.5±0.35	75	7	50	5	-	-	-	-
	Kharif-2	T.Aman (MV)	4.0±0.4	66	5	23	6	-	1.0	-	-
	Rabi	Maize	8.0±0.8	196	37	112	25	12	3.0	1.0	-
	Kharif-1	Fellow	-	-	-	-	-	-	-	-	-
	Kharif-2	T.Aman (MV)	4.0±0.4	66	5	23	6	-	1.0	-	-

## AEZ 2: ACTIVE TISTA FLOODPLAIN

### LAND TYPES

Highland	— 2%
Medium Highland	— 72%
Moesteads + water	— 26%

### LOCATION AND EXTENTS:

The region occupies narrow belts within and adjoining the channels rivers in Nilphamarim, Rangpur, Lalmonibat, Kurigram and Gaibandha Districts  
830 km<sup>2</sup> (83644 ha)

Land and Soil Characteristics	Cropping Pattern		Yield Goal (t/ha)	Fertilizer Recommendation (kg/ha)								
	Seasons	Crops		N	P	K	S	Mg	Zn	B	Mo	
Land Type:	<b>Rainfed</b>											
Medium Highland	Rabi	Fallow	-	-	-	-	-	-	-	-	-	-
O.M.: Low pH: 5.2-6.9	Kharif-1	B.Aus (LIV)	2.5±0.25	30	8	14	5	-	-	-	-	-
Texture: Sandy	Kharif-2	T.Aman (LIV)/	3.0±0.3	45	4	19	6	-	1.0	-	-	-
Loam		T.Aman (MV)	4.0±0.4	66	6	22	6	-	1.0	-	-	-
K-bearing minerals:	Rabi	Fallow	-	-	-	-	-	-	-	-	-	-
Medium	Kharif-1	Jute(0)	3.5±0.35	75	13	33	7	-	-	-	-	-
	Kharif-2	T.Aman (LIV)/	3.0±0.3	45	4	19	6	-	1.0	-	-	-
		T.Aman (MV)	4.0±0.4	66	6	22	7	-	1.0	-	-	-
	Rabi	Wheat	2.5±0.25	45	14	24	3	2	-	1.5	-	-
	Kharif-1	Jute(0)	3.3±0.35	75	7	33	3	-	-	-	-	-
	Kharif-2	T.Aman (LIV)/	3.0±0.3	45	4	19	6	-	1.0	-	-	-
		T.Aman (MV)	4.0±0.4	66	6	22	6	-	1.0	-	-	-
	Rabi	Groundnut	2.0±0.2	34	25	35	18	-	-	-	-	-
	Kharif-1	Fallow	-	-	-	-	-	-	-	-	-	-
	Kharif-2	T.Aman (LIV)	3.0±0.3	45	4	19	6	-	1.0	-	-	-
	Rabi	Grasspea	1.0±0.1	12	8	8	5	-	-	0.5	-	-
	Kharif-1	B.Aus (LIV)	3.0±0.3	30	4	14	5	-	-	-	-	-
	Kharif-2	T.Aman (MV)	4.0±0.4	66	6	22	6	-	1.0	-	-	-
	Rabi	Tobacco	2.0±0.2	42	20	38	8	-	1.0	-	-	-
	Kharif-1	Jute (0)	3.5±0.35	75	7	33	3	-	-	-	-	-
	Kharif-2	T.Aman (MV)	4.0±0.4	66	6	17	6	-	1.0	-	-	-
	Rabi	Chilli	1.3±0.13	65	36	43	13	5	1.0	0.5	-	-
	Kharif-1	Fallow	-	-	-	-	-	-	-	-	-	-
	Kharif-2	T.Aman (LIV)/	3.0±0.3	45	4	14	6	-	1.0	-	-	-
		T.Aman (MV)	4.0±0.4	66	6	17	6	-	1.0	-	-	-
	Rabi	Fallow	-	-	-	-	-	-	-	-	-	-
	Kharif-1	Kaon	2.5±0.25	45	15	20	5	-	-	-	-	-
	Kharif-2	T.Aman(LIV)	3.0±0.3	45	4	19	6	-	1.0	-	-	-

Land and Soil Characteristics	Cropping Pattern		Yield Goal (t/ha)	Fertilizer Recommendation (kg/ha)								
	Seasons	Crops		N	P	K	S	Mg	Zn	B	Mo	
Land Type:	<b>Irrigated</b>											
Medium Highland	Rabi	Boro (MV)	4.8±0.5	96	13	36	8	-	1.0	-	-	
O.M: Low pH.5.2-6.9	Kharif-I	Fallow	-	-	-	-	-	-	-	-	-	
Texture:	Kharif-2	T.Aman (MV)	4.0±0.4	66	6	22	6	-	1.0	-	-	
Sandy Loam	Rabi	Boro (MV)	4.8±0.5	96	13	36	8	-	1.0	-	-	
K-bearing minerals:	Kharif-I	GM	-	-	-	-	-	-	-	-	-	
Medium	Kharif-2	T.Aman (MV)	4.0±0.4	40	6	22	6	-	1.0	-	-	
	Rabi	Wheat	3.5±0.35	90	20	50	5	-	-	1.0	-	
	Kharif-I	Fallow	-	-	-	-	-	-	-	-	-	
	Kharif-2	T.Aman (MV)	4.0±0.4	66	6	22	6	-	1.0	-	-	
	Rabi	Maize	8.0±0.8	196	36	75	30	10	2.0	1.0	-	
	Kharif-I	Fallow	-	-	-	-	-	-	-	-	-	
	Kharif-2	T.Aman (MV)	4.0±0.4	66	6	17	8	-	1.0	-	-	
	Rabi	Potato	25.0±2.5	96	20	65	10	5	2.0	1.0	-	
	Kharif-I	Maize/	5.0±0.5	105	20	33	18	4	1.0	1.0	-	
		T.Aus (MV)	3.2±0.32	54	4	14	6	-	1.0	-	-	
	Kharif-2	T.Aman (MV)	4.0±0.4	66	6	17	8	-	1.0	-	-	
	Rabi	Potato	25.0±2.5	96	20	65	10	5	2.0	1.0	-	
	Kharif-1	Jute(0)	3.5±0.35	75	7	25	7	-	-	-	-	
	Kharif-2	T.Aman (LIV)/	3.0±0.3	45	4	20	6	-	1.0	-	-	
		T.Aman (MV)	4.0±0.4	66	6	22	7	-	1.0	-	-	
	Rabi	Tobacco	2.0±0.2	42	20	38	8	-	-	-	-	
	Kharif-I	Jute(0)	3.5±0.35	75	7	25	7	-	-	-	-	
	Kharif-2	T.Aman (LIV)/	3.0±0.3	45	4	20	6	-	1.0	-	-	
		T.Aman (MV)	4.0±0.4	66	6	22	6	-	1.0	-	-	
	Rabi	Mustard	1.2±0.1	54	15	30	10	-	-	1.0	-	
		Boro (MV)	4.8±0.5	96	7	32	8	-	1.0	-	-	
	Kharif-1	Fallow	-	-	-	-	-	-	-	-	-	
	Kharif-2	T.Aman (LIV)/	3.0±0.3	45	4	20	6	-	1.0	-	-	
		T.Aman (MV)	4.0±0.4	66	6	22	6	-	1.0	-	-	



Land and Soil Characteristics	Cropping Pattern		Yield Goal (t/ha)	Fertilizer Recommendation (kg/ha)							
	Seasons	Crops		N	P	K	S	Mg	Zn	B	Mo
	Rabi	Maize	8.0±0.8	196	36	75	30	3	3.0	1.0	-
	Kharif-1	Fallow/	-	-	-	-	-	-	-	-	-
	Kharif-2	T.Aman (MV)	4.0±0.4	66	4	16	8	-	1.0	-	-
	Rabi	Potato	25±2.5	96	16	64	10	6	2.5	1	-
	Kharif-1	Jute (0)	3.5±0.35	75	5	25	5	-	-	-	-
	Kharif-2	Fallow	-	-	-	-	-	-	-	-	-
	Rabi	Potato	25±2.5	96	16	64	10	6	1.5	1	-
	Kharif-1	Fallow/	-	-	-	-	-	-	-	-	-
	Kharif-2	T.Aman (LIV)	3.0±0.3	45	4	14	8	-	1.0	-	-
	Rabi	Potato	25±2.5	96	16	64	10	6	1.5	1	-
		Boro (MV)	4.8±0.5	96	6	23	8	-	-	-	-
	Kharif-1	Fallow/	-	-	-	-	-	-	-	-	-
	Kharif-2	T.Aman (MV)	3.5±0.4	66	4	16	8	-	1.0	-	-
	Rabi	Potato	25±2.5	96	16	64	10	6	1.5	1	-
	Kharif-1	Jute (0)	3.5 ±0.35	75	5	25	5	-	-	-	-
	Kharif-2	T.Aman (MV)	4.0±0.4	66	4	16	8	-	1.0	-	-
	Rabi	Sugarcane	82.0±8.2	125	35	100	25	30	2.5	2	-
	Rabi	Sugarcane+	82.0±8.2	125	35	100	25	30	2.5	2	-
		Potato	10.0±1.0	45	10	30	5	-	-	-	-
	Rabi	Sugarcane+	82.0±8.2	125	35	100	25	30	2.5	2	-
		Onion/	8.0±0.8	75	30	75	10	-	-	-	-
		Garlic	5.0±0.5	45	15	40	10	-	-	-	-
	Rabi	Sugarcane+	82.0±8.2	125	35	100	25	30	2.5	2	-
		Mungbean	0.7±0.07	7	7	5	-	-	-	-	-
Land Type:	<b>Rainfed</b>										
Medium	Rabi	Fallow	-	-	-	-	-	-	-	-	-
Highland	Kharif-I	Jute(0)/	3.5±0.35	75	10	26	6	-	-	-	-
O.M.Low		Kaon	2.5±0.25	45	7	14	3	-	-	-	-
pH: 6.0-6.5	Kharif-2	T.Aman (LIV)/	3.0±0.3	45	4	15	8	-	1.0	-	-
Texture:		T.Aman (MV)	4.0±0.4	66	4	8	8	-	1.0	-	-
Loamy	Rabi	Fallow	-	-	-	-	-	-	-	-	-
K-bearing	Kharif-1	Sesame	1.0±0.1	54	14	15	14	-	-	-	-
minerals:	Kharif-2	T.Aman (LIV)/	3.0±0.3	45	4	15	8	-	1.0	-	-
Medium		T.Aman (MV)	4.0±0.4	66	4	18	8	-	1.0	-	-
	Rabi	Wheat	2.5±0.25	45	10	18	3	2	-	1.5	-
	Kharif-I	Jute(0)	3.5±0.35	75	5	26	6	-	-	-	-
	Kharif-2	T.Aman(LIV)/	3.0±0.3	45	4	15	8	-	1.0	-	-
		T.Aman (MV)	4.0±0.	66	4	18	8	-	1.0	-	-
	Rabi	Potato	20±0.2	68	12	34	8	4	1.5	0.5	-
	Kharif-1	Jute(0)	3.5±0.35	75	5	20	5	-	-	-	-
	Kharif-2	T.Aman (LIV)/	3.0±0.3	45	3	10	8	-	1.0	-	-
		T.Aman (MV)	4.0±0.4	66	4	12	8	-	1.0	-	-
	Rabi	Mustard	1.0±0.1	60	12	24	12	2	-	0.5	-
	Kharif-1	Lady's finger	12±1.2	63	8	21	5	-	-	-	-
	Kharif-2	T.Aman (MV)	4.0±0.4	66	4	18	8	-	1.0	-	-
	Rabi	Groundnut	2.0±0.2	33	20	27	18	4	-	0.5	-
	Kharif-1	T.Aus (MV)	2.8±0.28	36	3	10	5	-	1.0	-	-
	Kharif-2	T.Aman (MV)	4.0±0.4	66	4	18	8	-	1.0	-	-

Land and Soil Characteristics	Cropping Pattern		Yield Goal (t/ha)	Fertilizer Recommendation (kg/ha)							
	Seasons	Crops		N	P	K	S	Mg	Zn	B	Mo
Land Type:	<b>Irrigated</b>										
Medium Highland	Rabi	Boro (MV)	6.0±0.6	120	14	46	10	-	1.5	-	-
O.M: Low	Kharif-I	Fallow	-	-	-	-	-	-	-	-	-
pH: 6.0-6.5	Kharif-2	T.Aman (MV)	4.0±0.4	66	4	18	8	-	1.0	-	-
Texture Loamy	Rabi	Boro (MV)	4.8±0.5	96	10	27	8	-	1.0	-	-
K-bearing minerals:	Kharif-I	GM	-	-	-	-	-	-	-	-	-
Medium	Kharif-2	T.Aman (MV)	4.0±0.4	45	4	8	8	-	1.0	-	-
	Rabi	Wheat	3.5±0.35	90	16	38	5	4	-	1.0	-
	Kharif-1	Jute (O)	3.5±0.35	75	5	26	6	-	-	-	-
	Kharif-2	T.Aman (MV)	4.0±0.4	66	4	18	8	-	1.0	-	-
	Rabi	Maize	8.0±0.8	196	36	56	30	5	3.0	1.0	-
	Kharif-1	Fallow/	-	-	-	-	-	-	-	-	-
	Kharif-2	T.Aman (MV)	4.0±0.4	66	4	14	8	-	1.0	-	-
	Rabi	Potato	25.0±2.5	96	16	48	10	6	2.5	1.0	-
	Kharif-I	T.Aus (MV)	3.2±0.3	54	3	10	5	-	-	-	-
	Kharif-2	T.Aman (MV)	4.0±0.4	66	4	14	8	-	1.0	-	-
	Rabi	Potato	25±2.5	96	16	48	10	6	2.5	1.0	-
	Kharif-1	Jute (O)	3.5±0.35	75	5	20	6	-	-	-	-
	Kharif-2	Fallow	-	-	-	-	-	-	-	-	-
	Rabi	Mustard	1.6±0.16	84	18	33	18	2	-	1.0	-
	Kharif-1	Lady's finger/ Brinjal	12±1.2 52±5.2	63 84	8 9	21 26	5 5	- -	- -	- -	- -
	Kharif-2	T.Aman (MV)	4.0±0.4	66	4	14	8	-	1.0	-	-
	Rabi	Mustard	1.2±0.10	54	12	24	10	4	-	1.0	-
		Boro (MV)	4.8±0.5	96	6	24	8	-	1.5	1.0	-
	Kharif-I	T.Aus (MV)	3.2±0.3	54	3	14	5	-	-	-	-
	Kharif-2	T.Aman (MV)	4.0±0.4	66	4	18	8	-	1.0	-	-

**AEZ 4: KARATOYA-BANGALI FLOODPLAIN****LAND TYPES**

Highland	— 23%
Medium Highland	— 44%
Medium Lowland	— 14%
Lowland	—1%
Homesteads + Water	—14%

**LOCATION AND EXTENTS:**

Eastern Half of Bogra district  
and most of Sirajgaonj district  
2572 km<sup>2</sup> (257158 ha)

Land and Soil Characteristics	Cropping Pattern		Yield Goal (t/ha)	Fertilizer Recommendation (kg/ha)							
	Seasons	Crops		N	P	K	S	Mg	Zn	B	Mo
Land Type:	<b>Rainfed</b>										
Highland	Rabi	Wheat	25±0.25	45	10	30	3	-	0.5	1.0	-
O.M. Low	Kharif-1	Jute (O)	3.5±0.35	75	5	12	5	-	-	-	-
pH: 4.7-7.8	Kharif-2	Mungbean	1.2±0.1	15	10	22	8	-	-	0.5	-
Texture: Silty loam & Silty Clay Loam	Rabi	Wheat	25±0.25	45	10	30	3	-	0.5	1.0	-
K-bearing minerals: Low	Kharif-1	Jute (O)/ B.Aus (LIV)	3.5±0.35 2.5±0.25	75 30	5 3	42 18	5 2	- -	- -	- -	- -
	Kharif-2	T.Aman (LIV)	3.0±0.3	45	3	25	6	-	1.0	-	-
	Rabi	Mustard	1.0±0.1	60	12	40	10	-	-	1.0	-
	Kharif-I	Jute(O)	3.5±0.35	75	5	42	5	-	-	-	-
	Kharif-2	T.Aman (LIV)	3.0±0.3	45	3	25	6	-	1.0	-	-
	Rabi	Mustard	1.0±0.1	60	12	40	10	-	-	1.0	-
	Kharif-1	Kaon	2.5±0.25	45	6	22	2	-	-	-	-
	Kharif-2	T.Aman (LIV)	3.0±0.3	45	3	25	6	-	1.0	-	-
	Rabi	Lentil	1.5±0.15	15	18	25	5	-	-	0.5	-
	Kharif-I	B.Aus (LIV)	2.5±0.25	30	3	18	2	-	-	-	-
	Kharif-2	Fallow	-	-	-	-	-	-	-	-	-
	Rabi	Chickpea	2±0.2	15	18	25	5	-	-	0.5	-
	Kharif-I	Jute(O)	3.5±0.35	75	5	42	5	-	-	-	-
	Kharif-2	T.Aman (LIV)	3.0±0.3	45	3	25	6	-	1.0	-	-
	Rabi	Cabbage/ Cauliflower	52±5.2 18.0±1.8	90 60	35 22	35 54	12 7	- -	2.0 1.0	0.5 0.5	- -
	Kharif-I	B.Aus (LIV)	2.5±0.25	30	3	12	2	-	-	-	-
	Kharif-2	T.Aman (LIV)	3.0±0.3	45	5	16	6	-	1.0	-	-
	Rabi	Cabbage/ Cauliflower	52.0±5.2 18.0±1.8	90 60	35 22	35 54	12 7	- -	2.0 1.0	0.5 0.5	- -
	Kharif-I	Jute (O)	3.5±0.35	75	5	27	5	-	-	-	-
	Kharif-2	T.Aman (LIV)	3.0±0.3	45	3	16	6	-	1.0	0.5	-

Land and Soil Characteristics	Cropping Pattern		Yield Goal (t/ha)	Fertilizer Recommendation (kg/ha)							
	Seasons	Crops		N	P	K	S	Mg	Zn	B	Mo
	Rabi	Cabbage/	52.0±5.2	90	35	35	12	-	2.0	0.5	-
		Cauliflower	18.0±1.8	60	22	54	7	-	1.0	0.5	-
	Kharif-1	Kaon	2.5±0.25	45	16	14	2	-	-	-	-
	Kharif-2	T.Aman(LIV)	3.0±0.3	45	3	16	6	-	1.0	-	-
<b>Irrigated</b>											
	Rabi	Wheat	3.5±0.35	90	16	63	4	-	-	1.0	-
	Kharif-1	Jute (O)	3.5±0.35	75	5	42	5	-	-	-	-
	Kharif-2	T.Aman (MV)	4.0±0.4	66	5	28	7	-	1.0	-	-
	Rabi	Potato	25.0±2.5	96	16	80	8	-	1.5	1.0	-
	Kharif-1	T.Aus(MV)	3.2±0.3	54	4	16	5	-	-	-	-
	Kharif-2	T.Aman(MV)	4.0±0.4	66	5	18	7	-	1.0	-	-
	Rabi	Potato	25.0±2.5	96	16	80	8	-	1.5	1.0	-
	Kharif-1	Jute(0)	3.5±0.35	75	5	28	5	-	-	-	-
	Kharif-2	T.Aman(MV)	4.0±0.4	66	5	18	7	-	1.0	-	-
	Rabi	Mustard	1.6±0.16	84	18	55	14	-	1.0	1.0	-
	Kharif-1	Chilli	2.0±0.2	90	40	75	5	-	-	1.0	-
	Kharif-2	Fallow	-	-	-	-	-	-	-	-	-
	Rabi	Chilli	2.0±0.2	90	40	75	10	-	-	1.0	-
	Kharif-I	Fellow	-	-	-	-	-	-	-	-	-
	Kharif-2	T.Aman(LIV)/	3.0±0.3	45	3	16	6	-	1.0	-	-
		T.Aman (MV)	4.0±0.4	66	5	16	7	-	1.0	-	-
Land type: Medium Highland O.M: Low pH: 5.4-5.7 Textrue: Clayey K-bearing minerals: Low	<b>Rainfed</b>										
	Rabi	Wheat	2.5±0.25	45	10	30	3	-	1.5	1.0	-
	Kharif-1	B.aus (LIV)/	2.5±0.25	30	3	18	2	-	-	-	-
		Jute (C)/	2.8±0.3	42	5	30	3	-	-	-	-
		Sesame	1.0±0.1	54	8	25	10	-	-	-	-
	Kharif-2	T.Aman(LIV)	3.0±0.3	45	3	25	6	-	1.0	-	-
	Rabi	Mustard	1.0±0.1	60	12	40	10	-	-	1.0	-
	Kharif-1	Jute (C)	2.8±0.3	42	5	30	3	-	-	-	-
	Kharif-2	T.Aman (LIV)	3.0±0.3	45	3	25	6	-	1.0	-	-
	Rabi	Grasspea/	1.2±0.12	12	6	10	2	-	-	0.5	0.5
		Blackgram	1.0±0.1	12	8	12	2	-	-	0.5	0.5
	Kharif-1	B.Aus (LIV)	2.5±0.25	30	3	18	2	-	-	-	-
Kharif-2	T.Aman (LIV)/	3.0±0.3	45	3	25	6	-	1.0	-	-	
	T.Aman (MV)	4.0±0.4	66	5	28	7	-	1.0	-	-	
Rabi	Grasspea	1.2±0.12	12	6	10	2	-	-	0.5	0.5	
Kharif-1	B.Aus(LIV)	2.5±0.25	30	3	10	2	-	-	-	-	
Kharif-2	B.Aman(LIV)	3.0±0.3	45	5	25	5	-	1.0	-	-	

Land and Soil Characteristics	Cropping Pattern		Yield Goal (t/ha)	Fertilizer Recommendation (kg/ha)							
	Seasons	Crops		N	P	K	S	Mg	Zn	B	Mo
	Rabi	Cabbage/	52.0±5.2	90	35	35	12	-	2.0	0.5	-
		Cauliflower	18.0±1.8	60	22	54	7	-	1.0	0.5	-
	Kharif-1	Jute (C)	2.8±0.3	42	5	20	3	-	-	-	-
	Kharif-2	T.Aman (LIV)/	3.0±0.3	45	3	16	6	-	1.0	-	-
		T.Aman (MV)	4.0±0.4	66	5	20	7	-	1.0	-	-
	Rabi	Fallow	-	-	-	-	-	-	-	-	-
	Kharif-I	Jute (C)	2.8±0.3	42	8	30	6	-	-	-	-
	Kharif-2	T.Aman (LIV)/	3.0±0.3	45	3	25	6	-	1.0	-	-
		T.Aman (MV)	4.0±0.4	66	5	28	7	-	1.0	-	-
<b>Land type:</b>	<b><u>Irrigated</u></b>										
Medium Highland	Rabi	Boro (MV)	6.0±0.6	120	14	58	8	-	1.0	-	-
O.M: Low pH: 5.4-5.7	Kharif-1	Fallow	-	-	-	-	-	-	-	-	-
Texture: Clayey K-bearing minerals: Low	Kharif-2	T.Aman (LIV)/	3.0±0.3	45	3	25	6	-	1.0	-	-
		T.Aman (MV)	4.0±0.4	66	5	28	7	-	1.0	-	-
	Rabi	Wheat	3.5±0.35	90	16	63	4	-	-	1.0	-
	Kharif-1	T. Aus (MV)	3.2±0.3	54	4	25	5	-	-	-	-
	Kharif-2	T.Aman (MV)	4.0±0.4	66	5	28	7	-	1.0	-	-
	Rabi	Wheat	3.5±0.35	90	16	63	4	-	-	1.0	-
	Kharif-1	Jute (C)	2.8±0.3	42	5	30	3	-	-	-	-
	Kharif-2	T.Aman (LIV)/	3.0±0.3	45	3	25	6	-	1.0	-	-
		T.Aman (MV)	4.0±0.4	66	5	28	7	-	1.0	-	-
	Rabi	Potato	25.0±2.5	96	16	80	8	-	1.5	1.0	-
	Kharif-1	Jute (C)	2.8±0.3	42	5	18	3	-	-	-	-
	Kharif-2	T.Aman (MV)	4.0±0.4	66	5	20	7	-	1.0	-	-
	Rabi	Potato	25.0±2.5	96	16	80	8	-	1.5	1.0	-
		Boro (MV)	4.8±0.5	96	5	26	8	-	1.0	-	-
	Kharif-2	T.Aman (MV)	4.0±0.4	66	5	20	7	-	1.0	-	-
	Rabi	Mustard	1.6±0.16	84	18	55	14	-	1.0	1.0	-
		Boro (MV)	4.8±0.5	96	5	40	8	-	1.0	-	-
	Kharif-1		-	-	-	-	-	-	-	-	-
	Kharif-2	T.Aman (LIV)/	3.0±0.3	45	3	25	6	-	1.0	-	-
		T.Aman (MV)	4.0±0.4	66	5	28	7	-	1.0	-	-
	Rabi	Mustard	1.6±0.16	84	18	55	14	-	1.0	1.0	-
	Kharif-1	Chilli	2.0±0.2	90	40	75	5	5	-	-	-
	Kharif-2	Fallow/	-	-	-	-	-	-	-	-	-
		T.Aman (LIV)	3.0±0.3	45	3	16	6	-	1.0	-	-
	Rabi	Coriander	2.0±0.2	90	24	50	5	-	-	-	-
	Kharif-1	T. Aus (MV)	3.2±0.3	54	4	16	5	-	-	-	-
	Kharif-2	T.Aman (MV)	4.0±0.4	66	8	18	7	-	1.0	-	-
	Rabi	Cabbage/	80±8	126	50	35	16	-	1.0	1.0	-
		Cauliflower	28±2.8	84	30	75	10	-	1.0	1.0	-
	Kharif-1	Jute (O)	3.5±0.4	75	5	27	5	-	-	-	-
	Kharif-2	T.Aman (MV)	4.0±0.4	66	5	20	7	-	1.0	-	-
<b>Land type:</b>	<b><u>Rainfed</u></b>										
Medium lowland	Rabi	Grasspea	1.2±0.12	12	6	10	2	-	-	0.5	0.5
	Kharif-1	Fallow	-	-	-	-	-	-	-	-	-
	Kharif-2	B.Aman (LIV)	2.5±0.3	30	3	10	4	-	1.0	-	-
	Rabi	Mustard	1.0±0.1	63	12	27	8	-	-	1.0	-
	Kharif-1	Fallow	-	-	-	-	-	-	-	-	-
	Kharif-2	B.Aman (LIV)	2.5±0.3	30	3	10	4	-	1.0	-	-

Land and Soil Characteristics	Cropping Pattern		Yield Goal (t/ha)	Fertilizer Recommendation (kg/ha)							
	Seasons	Crops		N	P	K	S	Mg	Zn	B	Mo
<b>Irrigated</b>											
	Rabi	Boro (MV)	4.8±0.5	96	10	45	6	-	1.0	-	-
	Kharif-1	Fallow	-	-	-	-	-	-	-	-	-
	Kharif-2	T.Aman (LIV)/	3.0±0.3	45	3	25	6	-	1.0	-	-
	Rabi	Maize	8.0±0.8	196	36	93	25	-	2.0	-	-
	Kharif-1	Fallow	-	-	-	-	-	-	-	-	-
	Kharif-2	T.Aman (LIV)	3.0±0.3	45	3	16	6	-	1.0	-	-





## AEZ 7: ACTIVE BRAHMAPUTRA AND JAMUNA FLOODPLAIN

### LAND TYPES

Highland	— 5%
Medium Highland	— 37%
Medium Lowland	— 20%
Lowland	— 8%
Homestead + Water	— 30%

### LOCATION AND EXTENTS:

Eastern parts of Kurigram, Gaibandha, Bogra, Sirajaganj and Pabna districts and Manikganj districts. Minor areas also occur in Dhaka, Munshiganj, Narayanganj and Chandpur districts  
3190 km<sup>2</sup> (319001 ha)

Land and Soil Characteristics	Cropping Pattern		Yield Goal (t/ha)	Fertilizer Recommendation (kg/ha)								
	Seasons	Crops		N	P	K	S	Mg	Zn	B	Mo	
Land Type:	<b>Rainfed</b>											
Medium Highland	Rabi	Wheat	2.5±0.25	38	10	24	3	-	-	1.0	-	
O.M. Very Low	Kharif-I	B.Aus (LIV)/	2.5±0.2	25	3	14	2	-	-	-	-	
pH: 7.5-7.9		Jute (C)	2.8±0.3	35	4	23	3	-	-	-	-	
Texture: Sandy Loam	Kharif-2	Fallow	-	-	-	-	-	-	-	-	-	
K-bearing minerals: Low	Rabi	Sweet Potato	30.0±3.0	60	24	50	8	3.0	1.0	0.5	-	
	Kharif-I	B.Aus(LIV)/	2.5±0.2	25	3	10	2	-	-	-	-	
		Jute (C)	2.8±0.3	35	4	16	3	-	-	-	-	
	Kharif-2	Fallow	-	-	-	-	-	-	-	-	-	
	Rabi	Mustard	1.0±0.1	50	12	32	10	-	1.0	0.5	-	
	Kharif-I	B.Aus (LIV)	2.5±0.2	25	3	14	2	-	-	-	-	
		Fallow	-	-	-	-	-	-	-	-	-	
	Rabi	Mustard	1.0±0.1	50	12	32	10	-	1.0	0.5	-	
	Kharif-I	Jute (C)	2.8±0.3	35	4	23	3	-	-	-	-	
		T.Aman (LIV)	3.0±0.3	38	3	19	6	-	1.0	-	-	
	Rabi	Groundnut	1.6±0.2	20	14	25	40	-	1.0	0.5	0.5	
	Kharif-I	B.Aus(LIV)	2.5±0.2	25	3	14	2	-	-	-	-	
		Fallow	-	-	-	-	-	-	-	-	-	
	Rabi	Fallow	-	-	-	-	-	-	-	-	-	
	Kharif-I	B.Aus(LIV)/	2.5±0.3	25	6	14	4	-	-	-	-	
		Jute(C)	2.8±0.3	35	8	26	6	-	-	-	-	
	Kharif-2	T.Aman(LIV)	3.0±0.3	38	2	19	6	-	1.0	-	-	
	Rabi	Fallow	-	-	-	-	-	-	-	-	-	
	Kharif-I	Kaon	2.0±0.2	38	12	20	4	-	-	-	-	
	Kharif-2	T.Aman (LIV)	3.0±0.3	38	3	19	6	-	1.0	-	-	
	Rabi	Cheena/	1.3±0.1	38	10	22	2	-	1.0	-	-	
		Chickpea	2.0±0.2	12	18	20	5	-	1.0	0.5	0.5	
	Kharif	B.Aus +B.Aman	2.5±0.3	15	4	15	4	-	-	0.5	-	
	Rabi	Sucarcane	60.0±6	75	25	55	12	5	2	-	-	

