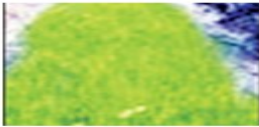

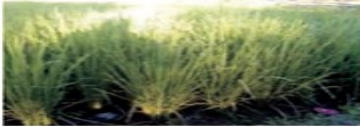






Crop Weather Calendar of Aus Rice: Rangpur Region (Districts: Rangpur, Kurigram, Gaibandha, Nilphamari, Lalmonirhat) Bangladesh

Region: Rangpur	Aus Rice																Duration: 126 days			
	March			April				May				June			July					
	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28		
Std.Week/Normal	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28		
Rainfall (mm)	2.5	5.5	18.5	11.0	19.5	28.5	31.5	50.0	40.0	65.0	61.5	87.0	106.5	90.5	109.5	91.0	106.0	116.0		
Max. Temp. (°C)	30.8	31.6	31.4	32.1	32.5	32.3	32.0	31.9	32.5	32.7	32.2	32.8	32.7	32.4	32.0	32.2	32.3	31.9		
Min. Temp. (°C)	17.3	18.4	19.5	20.3	21.1	21.9	21.9	22.3	23.2	23.4	23.9	24.4	25.0	25.2	25.8	26.0	26.0	26.0		
Mean Temp. (°C)	24.0	25.0	25.4	26.2	26.8	27.1	27.0	27.1	27.8	28.1	28.0	28.6	28.8	28.8	28.9	29.1	29.2	29.0		
RHmax (%)	88.7	88.1	87.7	88.5	88.4	89.9	90.9	92.5	92.2	92.9	92.8	93.3	93.9	94.2	94.9	94.7	95.0	94.8		
RHMin (%)	40.8	42.5	48.8	49.7	50.7	56.7	59.0	62.0	62.0	62.9	65.8	66.7	69.0	70.7	73.7	73.6	73.8	74.6		
RHmean (%)	64.7	65.3	68.3	69.1	69.5	73.3	75.0	77.3	77.1	77.9	79.3	80.0	81.4	82.4	84.3	84.1	84.4	84.7		
SShr (hrs)	57.0	54.0	49.0	51.5	51.0	47.5	47.0	46.5	47.5	49.0	41.0	40.5	38.0	31.5	27.0	28.0	27.0	30.5		
WD (deg)	196	179	152	148	141	135	118	115	120	118	119	123	125	125	127	131	143	137		
WS(Km/hr)	8.2	8.7	8.7	8.3	8.4	8.3	8.6	7.8	7.7	7.9	6.8	7.4	6.9	7.4	7.1	7.1	6.8	6.8		
																				
	Seedbed			Transplanting				Tillering				Heading		Flowering	Grain Formation		Maturity to Harvesting			
Favorable Weather Conditions																				
Temperature	At least 10 ^o C for germination											22-25 ^o C			23-27 ^o C					
Light Intensity								≤200% of normal												
Relative Humidity								High												
Soil Temperature								Above 16 ^o C												
Normal phase wise water requirement (mm)	76			120				190				145			100					
Congenial Weather Condition for Pests & Diseases																				
Bacterial leaf blight (BLB)	Temperature 28-30 ^o C Relative Humidity 80-90%, Cloudiness, Rainfall >30mm																			
Sheath rot	Temperature 25-28 ^o C High Relative Humidity>90%, Cloudy weather																			
Blast	Night temperature 16-20 ^o C, for 7.30 hours day temperature 25-30 ^o C, for 7.30 hours day night temperature >10 ^o C Relative Humidity >90%, Cloudy																			
Stem borer	Minimum Temperature>20.3 ^o C Maximum Temperature:29.5-34.7 ^o C optimum Temperature:24-29 ^o C Higher morning Relative Humidity>84% Afternoon Relative Humidity 38.7% Dry weather																			
Leaf roller	Maximum Temperature:32-33 ^o C Relative Humidity 92-95%																			
Rice bug	Higher Maximum Temperature: 31.9 ^o C Morning Bright Sunshine Hours> 5.9 hrs Lower Minimum temperature less than 22.10C Afternoon Relative Humidity less than 66.4% Dry, or intermittent rain																			
Brown plant hopper	High temperature >32 ^o C, high Relative Humidity:80-90%, drizzle, wet spell, rainfall less than 75 mm																			
Weather Warning																				
Rain	>50 mm/day			>100 mm/day				>50 mm/day												
Duration of wet spell	>25 mm for 3 days			>50 mm for 4 days				20 mm for 4 days												
Cloudy weather				Cloudy weather				Cloudy weather												
High wind	>50 km/hr			>40 km/hr				>30 km/hr												
Temperature	Minimum Temperature <10 ^o C			Minimum Temperature <10 ^o C				Minimum Temperature <10 ^o C												