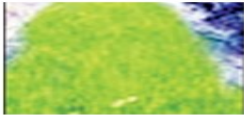

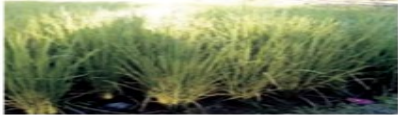






Crop Weather Calendar of Aman Rice: Rangpur Region (Districts: Rangpur, Kurigram, Gaibandha, Nilphamari, Lalmonirhat) Bangladesh

Region: Rangpur	Aman Rice															Duration: 133 days			
Months	June			July			August				September				October				
Std.Week/Normal	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42
Rainfall (mm)	90.5	109.5	91.0	106.0	116.0	83.0	92.0	63.0	67.5	105.5	85.0	80.0	70.5	81.5	91.5	101.0	58.0	53.0	35.5
Max. Temp. (°C)	32.4	32.0	32.2	32.3	31.9	32.2	32.4	33.1	32.8	32.2	32.3	32.3	32.2	32.3	32.0	31.6	32.1	31.5	31.2
Min. Temp. (°C)	25.2	25.8	26.0	26.0	26.0	26.0	26.1	26.6	26.7	26.1	26.0	26.0	26.0	25.9	25.3	25.0	24.9	24.0	22.5
Mean Temp. (°C)	28.8	28.9	29.1	29.2	29.0	29.1	29.2	29.8	29.7	29.1	29.2	29.2	29.1	29.1	28.7	28.3	28.5	27.8	26.8
RHmax (%)	94.2	94.9	94.7	95.0	94.8	94.5	94.5	94.1	94.4	95.0	95.1	95.0	94.9	95.2	95.5	95.9	95.5	95.4	95.2
RHMin (%)	70.7	73.7	73.6	73.8	74.6	73.3	71.9	69.9	70.9	73.1	73.2	72.4	72.3	72.0	72.3	71.5	69.3	67.9	64.5
RHmean (%)	82.4	84.3	84.1	84.4	84.7	83.9	83.2	82.0	82.7	84.1	84.2	83.7	83.6	83.6	83.9	83.7	82.4	81.7	79.9
SShr (hrs)	31.5	27.0	28.0	27.0	30.5	30.0	34.0	39.0	36.5	32.5	32.0	35.5	35.5	35.5	33.5	36.5	42.5	46.0	51.5
WD (deg)	125	127	131	143	137	138	138	142	141	137	143	142	140	143	142	152	147	143	134
WS(Km/hr)	7.4	7.1	7.1	6.8	6.8	7.8	6.8	7.3	6.8	7.1	6.6	6.6	6.8	6.5	6.8	6.8	6.0	6.4	6.3
																			
	Seedbed		Transplanting			Tillering				Heading	Flowerin g	Grain Formation	Maturity to Harvesting						
Favorable Weather Conditions																			
Temperature	At least 10° C for germination											22-25° C				23-27° C			
Light Intensity								≤200% of normal											
Relative Humidity								High											
Soil Temperature								Above 16° C											
Normal phase wise water requirement (mm)	76							120				190				145		100	
Congenial Weather Condition for Pests & Diseases																			
Bacterial Leaf Blight	Temperature 28-30°C, Relative Humidity 80-90%, Cloudiness, Rainfall >30mm																		
Sheath Blight	Temperature 28-32°C, high Relative Humidity, Cloudy weather																		
Blast	Night temperature 16-20°C, for 07 hours day temperature 25-30°C, for 07 hours day night temperature >10°C, Relative Humidity >90%, Cloudy																		
Sheath rot	Temperature 25-28°C, Cloudy weather, high Relative Humidity >90%																		
Stem borer	Minimum Temperature > 20.3 °C, Maximum Temperature: 29.5-34.7°C, Optimum temperature: 24-29°C, Higher morning Relative Humidity > 84%, Afternoon Relative Humidity >38.7%, Dry weather																		
Leaf roller	Maximum Temperature: 32-33°C, Relative Humidity 92-95%																		
Brown plant hopper	High temperature >32°C, , high Relative Humidity:80-90%, drizzle, wet spell, rainfall less than 75 mm																		
Rice bug	Higher maximum temperature >31.9°C, Morning Relative Humidity > 93.9%, Bright Sunshine Hours> 5.9 hrs Lower Minimum temperature less than 22.1°C, Afternoon Relative Humidity less than 66.4%, Dry, or intermittent rain Weekly total rainfall less than 40.9 mm																		
Weather Warning																			
Rain	>50 mm/day			>100 mm/day				>50 mm/day				>50 mm/day							
Duration of wet spell	>25 mm for 3 days			>50 mm for 4 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			Minimum				Minimum Temperature <10° C				Minimum				Temperature <10° C			