








Crop Weather Calendar of Aman Rice: Rangamati Region (Districts: Rangamati, Khagrachari and Bandarban) Bangladesh

Region: Rangamati	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)	134.0	125.0	101.0	90.0	110.0	144.0	124.0	116.0	86.0	87.0	106.0	100.0	71.0	58.0	53.0	50.0	53.0	30.0	39.0				
Max. Temp. (°C)	31.7	31.3	31.0	31.0	31.4	31.3	31.3	31.7	31.9	31.3	31.4	32.0	31.9	32.0	32.3	32.1	32.3	31.7	31.7				
Min. Temp. (°C)	25.0	25.0	25.0	25.0	25.0	25.0	24.9	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	24.9	24.3	24.0	23.9				
Mean Temp. (°C)	28.4	28.2	28.0	28.0	28.2	28.2	28.1	28.4	28.5	28.2	28.2	28.5	28.5	28.5	28.7	28.5	28.3	27.9	27.8				
RHmax (%)	94.0	93.7	93.7	93.4	93.4	93.9	93.9	94.3	93.9	93.4	94.3	94.0	93.7	94.0	94.6	94.0	94.0	94.4	94.3				
RHMin (%)	72.7	73.6	74.4	74.9	73.9	75.4	74.6	73.3	73.1	74.0	73.4	73.1	72.4	71.3	71.3	69.4	69.3	68.7	67.0				
RHmean (%)	83.4	83.7	84.1	84.2	83.7	84.7	84.3	83.8	83.5	83.7	83.9	83.6	83.1	82.7	83.0	81.7	81.7	81.6	80.7				
SShr (hrs)	30.0	29.0	28.0	24.0	26.0	24.0	30.0	32.0	32.0	31.0	34.0	36.0	34.0	38.0	36.0	41.0	44.0	42.0	49.0				
WD (deg)	186	179	184	179	184	185	186	189	190	187	187	187	192	188	193	195	195	211	204				
WS(Km/hr)	5.6	5.7	5.6	5.6	5.4	5.6	5.4	5.4	5.6	5.6	4.8	4.8	4.8	3.9	3.7	4.3	3.7	3.7	3.7				
																							
	Seedbed			Transplanting				Tillering				Heading	Flowering	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				Cloudy weather				20 mm for 4 days											
Cloudy weather												Cloudy weather											
High wind	>50 km/hr			>40 km/hr								>30 km/hr											
Temperature	Minimum Temperature <10° C			Minimum Temperature <10° C				Minimum Temperature <10° C				Minimum Temperature <10° C											