








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

Region: Rangpur	Aus Rice																Duration: 126 days	
Months	March			April				May				June				July		
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	10	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° 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 (BLB)	Temperature 28-30°C Relative Humidity 80-90%, Cloudiness, Rainfall >30mm																	
Sheath rot												Temperature 25-28°C High Relative Humidity >90%, Cloudy weather						
Sheath blight	Temperature 28-32°C, high Relative Humidity, cloudy weather																	
Blast	Night temperature 16-20°C, for 7.30 hours day temperature 25-30°C, for 7.30 hours day night temperature >10°C Relative Humidity >90%, Cloudy																	
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%														
Rice bug														Higher Maximum Temperature: 31.9°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°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° C	Minimum Temperature <10° C	Minimum Temperature <10° C	