








Crop Weather Calendar of Aus Rice: Khulna Region (Districts: Khulna, Satkhira, Bagerhat and Narail) Bangladesh

Region: Khulna	Aus Rice																	Duration: 126 days		
	April			May				June				July			August					
	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33		
Std.Week/Normal	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33		
Rainfall (mm)	17.5	25.0	31.5	32.5	37.0	47.5	50.0	52.0	77.5	79.0	93.5	92.0	74.5	94.0	76.5	79.5	69.0	76.5		
Max. Temp. (°C)	35.2	35.2	35.1	35.2	35.3	35.1	35.0	34.7	33.4	32.7	32.3	32.0	32.1	31.8	32.1	32.1	32.1	32.0		
Min. Temp. (°C)	24.9	25.0	25.0	25.3	25.8	26.0	26.4	26.8	26.2	26.3	26.1	26.0	26.2	26.1	26.1	26.0	26.4	26.1		
Mean Temp. (°C)	30.1	30.1	30.0	30.2	30.6	30.5	30.7	30.7	29.8	29.3	29.2	29.0	29.1	28.9	29.1	29.0	29.2	29.0		
RHmax (%)	93.3	93.2	93.0	93.1	93.4	93.7	93.9	94.2	95.1	95.7	95.8	96.0	95.5	95.9	95.8	95.6	95.6	96.1		
RHMin (%)	52.4	53.7	55.3	57.4	57.9	60.7	62.0	64.9	70.2	73.3	75.1	75.5	74.6	77.0	75.5	74.8	74.5	75.1		
RHmean (%)	72.8	73.4	74.1	75.2	75.7	77.2	77.9	79.5	82.6	84.5	85.4	85.7	85.1	86.4	85.6	85.2	85.0	85.6		
SShr (hrs)	61.5	58.0	59.5	56.5	55.0	47.0	50.0	41.5	29.5	23.5	25.0	21.5	27.0	24.5	29.0	30.0	29.5	31.0		
WD (deg)	192	186	186	183	177	180	184	178	170	175	179	186	175	175	179	170	172	170		
WS(Km/hr)	7.6	8.0	7.5	7.5	7.1	7.2	7.3	6.7	6.8	6.8	6.8	5.6	5.6	6.6	6.2	6.5	5.9	6.5		
																				
	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																			
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																			
Leafroller	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							