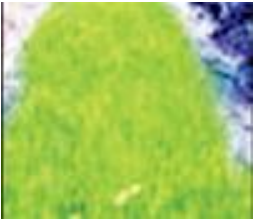








Crop Weather Calendar of Aus Rice:KhulnaRegion (Districts: Khulna, Satkhira, Bagerhat and Narail) Bangladesh

Region: Khulna	Aus Rice																Duration: 126 days		
Months	April			May				June				July				August			
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 ⁰ C for germination			22-25 ⁰ C	23-27 ⁰ C
Light Intensity			≤200% of normal		
Relative Humidity			High		
Soil Temperature			Above 16 ⁰ 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 ⁰ C Relative Humidity 80-90%, Cloudiness, Rainfall >30mm				
Sheath rot			Temperature 25-28 ⁰ C High Relative Humidity>90%, Cloudy weather		
Sheath blight			Temperature 28-32 ⁰ C, high Relative Humidity, cloudy weather		
Blast	Night temperature 16-20 ⁰ C, for 7.30 hours day temperature 25-30 ⁰ C, for 7.30 hours day night temperature >10 ⁰ C Relative Humidity >90%, Cloudy				
Stem borer		Minimum Temperature>20.3 ⁰ C Maximum Temperature:29.5-34.7 ⁰ C optimum Temperature:24-29 ⁰ C Higher morning Relative Humidity>84% Afternoon Relative Humidity 38.7% Dry weather			
Leaf roller		Maximum Temperature:32-33 ⁰ C Relative Humidity 92-95%			
Rice bug				Higher Maximum Temperature: 31.9 ⁰ 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 ⁰ C, high Relative Humidity:80-90%, drizzle, wet spell, rainfall less than75mm		

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	

