








Crop Weather Calendar of Aman Rice: Faridpur Region (Districts: Faridpur, Rajbari, Madaripur, Shariatpur and Gopalganj) Bangladesh

Region: Faridpur	Aman Rice																Duration: 133 days		
Months	July				August				September				October				November		
Std.Week/Normal	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45
Rainfall (mm)	95.0	77.5	79.5	84.5	84.0	65.5	76.5	74.5	50.0	56.5	59.5	61.5	68.0	43.0	44.0	43.0	20.5	11.5	11.0
Max. Temp. (°C)	31.9	32.0	31.7	32.0	32.0	32.1	32.0	32.1	32.2	32.2	32.1	32.4	32.2	32.4	32.4	32.0	31.5	30.9	30.4
Min. Temp. (°C)	26.0	26.0	26.0	26.0	26.1	26.1	26.0	26.1	26.2	26.0	26.0	26.0	25.8	25.5	25.0	24.0	22.6	22.0	20.7
Mean Temp. (°C)	29.0	29.0	28.8	29.0	29.0	29.1	29.0	29.1	29.2	29.1	29.0	29.2	29.0	28.9	28.7	28.0	27.1	26.4	25.5
RHmax (%)	95.5	95.3	95.3	95.3	95.0	95.0	95.0	95.0	94.8	95.1	95.2	95.1	95.7	96.0	95.9	95.7	95.1	95.2	95.4
RHMin (%)	76.8	76.3	77.0	75.7	75.3	74.7	75.1	74.9	73.3	74.0	72.9	72.0	71.0	69.3	66.2	63.0	58.6	57.6	55.5
RHmean (%)	86.1	85.8	86.2	85.5	85.1	84.8	85.0	84.9	84.0	84.6	84.1	83.5	83.4	82.7	81.0	79.3	76.8	76.4	75.4
SShr (hrs)	23.0	28.0	24.5	32.0	33.0	30.0	30.5	31.0	35.0	32.5	34.0	34.0	35.0	39.5	43.0	46.0	49.5	48.5	51.0
WD (deg)	183	180	185	180	177	179	183	187	185	192	189	198	210	206	220	208	213	202	189
WS(Km/hr)	5.5	4.7	5.6	5.6	5.6	4.6	4.9	5.1	4.7	4.6	4.6	4.0	4.2	3.7	3.1	2.9	3.1	2.8	2.8
																			
	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																	
Relative Humidity																	
Soil Temperature																	
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																	
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
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