








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									≤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																							
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											