

Pest Weather Calendars

It has been well established that climate plays a dominant role in regulating the incidence and spread of pests and diseases. Pest weather calendars are useful in advising the farmers for need-based application of the insecticides by considering the susceptible stage of crop as well as range of meteorological parameters required for the establishment of the pests. Considering such early warning models/guidelines, users can take crop protection measures in time and save them from pest and disease attacks. Moreover, if weather information for the out-break of a pest in a particular crop is issued sufficiently in advance, farmers can even switch to cultivation of another crop. Thus, by close monitoring of temperature, rainfall and humidity in months when the probability of attacks of pests and diseases are highest, it is possible to issue warnings.

PEST WEATHER CALENDAR																		
STATE: KERALA				CROP: RICE				SEASON: SUMMER RICE										
STATION: PATTAMBI				PEST: STEM BORER														
weather warnings	Max. temp. °C	32.7 to 34.5°C (48wk)								32.7 to 34.5°C (2wk)								
	Min. temp. °C	19.1 to 22.4°C (48wk)								19.1 to 22.4°C (2wk)								
	Morning RH%																	
	Afternoon RH%	31 to 48% (48wk)								31 to 48% (2wk)								
	Sunshine hours	9.8 to 9.1 hours (48wk)								9.8 to 9.1 hours (2wk)								
Total rainfall																		
Weekly normal weather	Total rainfall(mm)	51	39.5	28	10.8	12.5	8.3	0.8	3.8	0	0	0	0.1	0.2	1.3	0.7		
	Max. temp. °C	32.1	32.4	32.2	32.5	32.6	32.6	32.8	33	33.1	33.5	33.8	34	34.6	35.2	35.4		
	Min. temp. °C	22.4	22.2	21.9	21.7	21.4	21.1	20.9	20.8	20.4	20.5	20.5	20.8	20.9	21.2	20.8		
	Sunshine hours	7.5	7.7	7.7	8.1	8.1	8.6	9.1	8.9	9.4	9.5	9.8	9.6	9.7	9.9	9.9		
	Morning RH%	90	89	87	85	83	84	79	81	78	78	76	78	80	80	80		
Afternoon RH%	59	57	57	51	50	48	45	44	39	38	35	35	35	33	33			
Mean dates of important epochs of crop growth and development																		
		<div style="display: flex; justify-content: space-around;"> <div style="text-align: center;"> LARVA </div> <div style="text-align: center;"> EGG </div> <div style="text-align: center;"> ADULT </div> </div>																
		STANDARD WEEKS		45	46	47	48	49	50	51	52	1	2	3	4	5	6	7
		MONTHS		NOVEMBER				DECEMBER				JANUARY				FEBRUARY		