Crop Weather Calendar of Rabi Chili:Dinajpur Region (Districts:Dinajpur, Thakurgaon, Panchagaor) Bangladesh Dinajpur Region Rabi Chili

January

December

Months

Monard	200011001				January				1 Coluary Ivial Cit				April									
Std.Week/Normal	49	50	51	52	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16		17
Rainfall (mm)	0.0	3.0	0.0	4.0	2.0	2.0	3.0	2.0	1.0	2.0	3.0	1.0	1.0	1.0	4.0	2.0	7.0	8.0	8.0	25.0	23.0	
Max. Temp. (°C)	27.0	25.4	24.9	23.9	22.6	22.4	23.0	23.7	25.0	25.9	26.7	27.7	28.6	30.1	31.1	32.0	32.1	33.0	33.4	33.0	32.4	
Min. Temp. (°C)	13.3	12.9	12.0	10.9	10.7	10.3	10.0	10.6	11.1	12.1	13.6	14.1	15.0	16.1	17.1	18.6	19.7	20.4	21.1	22.0	22.0	
Mean Temp. (°C)	20.2	19.2	18.5	17.4	16.7	16.4	16.5	17.2	18.1	19.0	20.2	20.9	21.8	23.1	24.1	25.3	25.9	26.7	17.3	27.5	27.2	
RHmax (%)	96.1	96.4	96.3	96.6	96.7	96.3	96.4	95.9	94.7	94.0	93.4	92.0	90.6	88.9	87.6	86.0	87.1	86.6	87.4	89.4	91.1	
RHMin (%)	49.0	52.9	52.7	54.0	55.1	53.7	52.4	50.4	47.7	43.1	42.4	40.9	38.4	35.3	35.1	36.4	43.3	40.9	43.4	50.9	53.7	
RHmean (%)	72.5	74.6	74.5	75.3	75.9	75.0	74.4	73.1	71.2	68.5	67.9	66.4	64.5	62.1	61.4	61.2	65.2	63.8	65.4	70.2	72.4	
SShr (hrs)	48.0	42.0	41.0	37.0	34.0	34.0	37.0	41.0	44.0	46.0	52.0	54.0	57.0	59.0	59.0	55.0	49.0	52.0	55.0	49.0	50.0	
WD (deg)	183	193	200	213	225	238	243	227	241	225	230	225	228	230	212	192	170	171	150	142	123	
WS(Km/hr)	2.6	3.7	2.9	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.8	4.2	5.4	5.6	5.0	5.6	4.8	4.8	5.4	
Stage	4	Spouting	& Seedling			venetativ	ve growth			Flo	owering & fr	quiting						Hanve	esting			
Favorable Environment		Spouling	& Seeding			vegetati	76 growin		Flowering & fruiting				Harvesting									
Temperature	The ideal	average mo	nthly tempe	araturee rar	aa hatwaar	n 21°C and	30 °C with	an average	of 18 °C· (	Cormination	and arout	h docrosco	s at lower to	mnoraturo	/10°C\· Eruit	cot is adve	arcaly affact	ad at tampe	araturos ah	wo 35 °C a	e well ac wi	Iting of young
'			h occurred,				dry winds.							•	,,,		•	eu at tempe	eratures abi	JVE 33 C a	5 WEII a5 WI	iting of young
Relative Humidity Soil Temperature				Chili aa											dity varies from an tolerate r				-1 1200 1-	1500		
Sunshine Hour				Crilli Se	eus can ger	minate and	grow norm	ally at Soll to	emperature			ours direct s			an tolerate i	noderately	cold soll ter	nperatures	01 13 6 10	15 G.		
Favorable environmenta	l conditions	for incoate	and disco							71(10			dilligiti poi	T								
Mites	ii conditions	IOI IIISECIS	allu ulsea	N						r optimal cor	ditions (25°C	C and high re	lative humidi	ty); Minimum	Temp.: 12 to	14°C;The p	revailing high	temperature	and low rela	ative humidity	in absence	of rainfall favored the
Aphids						velopment of high tempe				nonulation	huildun of :	anhide		1								
Артіцэ													ains more									
Thrips	Grow minimum temperature 9.7°C and maximum temperatures, 33.0°C; Population remains more abundant during prolonged dry conditions than in moist rainy periods; Heavy rainfall reduces population																					
White fly	Population increases at high temperatures; white fly population is low at humidity ≤45% and ≥85% and abundant at 70–85% RH																					
Fruit Borer								aroun	nd 24–27 °C	); RH: 85%	to ≤35%.		J			·	•	•		•	00 .	ae, and pupae are
Leaf curl				d	evelopment	t favored by	certain rain	nfall			•	. ,					•	•				ecreased; Disease
Die back/Anthracnose						28 °C to 32 ed leaf wetn					2°C to 25°C	for disease	developme	ent; Initial in	fection requi	red 95% or	above rela	tive humidit	ty for 24 hrs	; Frequent	rainy and w	arm weather alone
Weather Warning											<u> </u>		<u> </u>				<u> </u>	<u> </u>				
Rainfall														Early	rainfall (10	to 15 mm p	er day)					
Cloudy weather				1							Clo	oudy weathe		- d 117	7.1- 40 1 1							
Drought  Duration of staying wet													to moderat	e arought (	7 to 10 days)							
Duration of staying wet Hailstorm	+											2 to 3 days			ailstorms wi	Olan and a series	- f - II					

February

March

Life span 150-160 days

April

Windspeed	≤20 Km/hr
Temperature	Germination and growth decreases at lower temperature (10°C). Fruit set is adversely affected at temperatures above 35 °C

## Crop Weather Calendar of Kharif Chili:Dinajpur Region (Districts:Dinajpur, Thakurgaon, Panchagaor) Bangladesh

Dinajpur Region	Kharif Chili									Life span: 150-160 days												
Months	April May													•		-	Augus	ugust				
Std.Week/Normal	14	15	16	17	18	19	20	21	22	23	24	25	26	July <b>27</b>	28	29	30	31	32	33	34	35
Rainfall (mm)	8.0	8.0	25.0	23.0	31.0	36.0	57.0	55.0	73.0	57.0	77.0	111.0	96.0	109.0	105.0	81.0	84.0	70.0	60.0	93.0	103.0	71.0
Max. Temp. (°C)	33.0	33.4	33.0	32.4	32.3	32.9	33.0	33.0	33.4	33.3	33.0	32.3	32.4	32.0	32.1	32.1	32.3	32.9	32.6	32.4	32.1	32.4
Min. Temp. (°C)	20.4	21.1	22.0	22.0	22.3	22.9	23.6	24.0	24.4	25.0	25.1	25.6	26.0	26.0	26.0	26.0	26.0	26.3	26.7	26.1	26.0	26.0
Mean Temp. (°C)	26.7	17.3	27.5	27.2	27.3	27.9	28.3	28.5	28.9	29.2	29.1	29.0	29.2	29.0	29.1	29.1	29.2	29.6	29.7	29.3	29.1	29.2
RHmax (%)	86.6	87.4	89.4	91.1	92.3	92.0	92.1	92.4	92.7	93.4	93.9	94.7	94.4	95.1	94.6	94.4	94.7	94.1	94.0	95.0	95.7	95.6
RHMin (%)	40.9	43.4	50.9	53.7	57.6	57.3	59.3	62.4	62.3	65.4	67.7	71.4	71.6	73.3	72.7	71.9	71.6	70.1	70.9	72.6	73.1	71.6
RHmean (%)	63.8	65.4	70.2	72.4	75.0	74.7	75.7	77.4	77.5	79.4	80.8	83.1	83.0	84.2	83.7	83.2	83.2	82.1	82.5	83.8	84.4	83.6
SShr (hrs)	52.0	55.0	49.0	50.0	49.0	51.0	48.0	44.0	42.0	40.0	35.0	27.0	31.0	27.0	29.0	31.0	36.0	36.0	37.0	34.0	34.0	37.0
WD (deg)	171	150	142	123	118	115	119	108	117	111	118	120	121	127	121	126	134	132	132	134	139	141
WS(Km/hr)	5.6	4.8	4.8	5.4	3.9	3.7	4.3	3.7	3.9	3.7	3.7	3.7	3.7	3.7	3.7	3.9	3.7	3.9	3.7	3.7	3.7	3.7
Stage	Spouting & Seedling																					
Favorable Environment		Spouling	a Seeding		vegetative growth						Flowering & fruiting						Harvesting					
Temperature	The ideal a	voroco mon	thly tompor	oturas ranga	hatryaan 21	°C and 20	C with an	overege of	19 °C: Cor	mination	and arous	th dooroos	as at large	r tamparatu	ra (10°C). I	Emit set is	advaraalv	offoatad	at tampa	esturos obc	vo 25 °C o	s wall as
remperature	wilting of y									mmation	and grow	iii uecieasi	es at lower	temperatu	ie (10 C), 1	Tuit set is	auversery	arrected	at temper	atures abo	Wess Ca	s well as
Relative Humidity		<u> </u>								ative hum	idity;The	optimum	relative hu	ımidity vari	es from 509	% to 70%.						
Soil Temperature			Chili seeds	can germin	ate and gro	w normally	at soil tem	peratures of						nili can tole	rate modera	ately cold s	soil tempe	ratures of	f 13°C to	15°C.		
Sunshine Hour									At least	4 to 6 ho	urs direct	sunlight p	er day									
Favorable environmental of	conditions for i	insects and	diseases			. 22.	250C D :			1	. 1 1	(250	2 11:1	1 4' 1	· 1'. \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \		10 . 14	100 77	'1' 1		, 11	1 4
Mites								red the popul						relative hum	ndity); Mini	mum 1emp	o.: 12 to 14	FC;The pr	evailing n	ign tempera	ature and lov	w relative
Aphids								nd relative l														
Thrips																						
White fly	Population increases at high temperatures; white fly 85% RH											humidity <	≤45% and	≥85% and a	abundant at	70-						
Fruit Borer		The upper development threshold temperature for all stages is 37 °C, and 40 °C is lethal; The optimum temperatures for the development of eggs, larvae, and pupae are around 24–27 °C; RH: 85% to ≤35%.										s for the										
Leaf curl								and virus tr		increase	d at 35 °C			ease develo					as the hu	ımidity de	creased the	e disease
Die back/Anthracnose					Max. Ten	np.: 28 °C t	o 32°C for		elopment; l	Mini. Ten	np.: 22°C			levelopmen	t; Initial inf	fection req	uired 95%	or above	e relative	humidity	for 24 hrs;	Frequent
Weather Warning					,								· · · · · · · · · · · · · · · · · · ·									
Rainfall				•				•				•		Ear	ly rainfall (	(10 to 15 n	nm per da	y)				•
Cloudy weather										Clo	udy weath											
Drought													derate dro	ught (7 to 1	0 days)							
Duration of staying wet										2	to 3 days											
Hailstorm															Hailstorms	with early	y rainfall					
Windspeed										<u> </u>	20 Km/hr											

Temperature	Germination and growth decreases at lower temperature (10°C), Fruit set is adversely affected at temperatures above 35 °C
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