Crop Weather Calendar of Rabi Chili: Sylhet Region (Districts: Sylhet, Molvi bazar, Habigonj, Sunamgonj) Bangladesh

Sylhet Region	Rabi Chili								Life span: 150-160 days													
Months	December January						Febru	February March 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)	0.5	4.5	1.0	4.0	0.0	0.5	0.5	1.0	2.5	4.0	8.0	11.5	11.0	10.5	17.5	34.0	48.5	65.5	59.0	78.5	85.5	
Max. Temp. (°C)	27.8	26.9	26.1	25.7	25.3	24.7	25.1	25.8	26.5	27.2	28.2	28.9	30.0	31.0	31.6	32.1	31.8	32.1	32.5	32.0	31.7	
Min. Temp. (°C)	14.3	13.7	12.6	12.0	11.4	11.3	11.3	11.1	12.1	12.6	13.7	14.4	15.4	16.7	18.0	19.2	20.0	20.8	21.4	21.8	21.8	
Mean Temp. (°C)	21.1	20.3	19.3	18.8	18.3	18.0	18.0	18.4	19.3	19.9	21.0	21.6	22.7	23.8	24.8	25.6	25.9	26.5	26.9	26.9	26.7	
RHmax (%)	94.7	95.7	95.3	96.1	95.8	96.1	95.5	94.9	94.3	92.9	92.8	92.5	91.7	90.9	90.7	90.2	91.7	92.3	92.2	93.1	93.2	
RHMin (%)	51.4	53.6	53.0	52.7	53.5	53.9	50.7	48.1	45.8	42.3	42.5	41.7	40.8	41.1	41.0	45.0	50.9	53.5	54.7	58.2	59.7	
RHmean (%)	73.0	74.6	74.2	74.4	74.6	75.0	73.1	71.5	70.1	67.6	67.7	67.1	66.2	66.0	65.8	67.6	71.3	72.9	73.5	75.6	76.5	
SShr (hrs)	55.5	50.5	51.5	50.5	51.0	45.0	48.0	51.0	50.5	55.0	53.5	55.5	56.0	55.0	56.0	51.0	47.0	50.5	51.0	48.5	46.5	
WD (deg)	177	186	191	203	200	211	213	219	213	218	217	208	219	203	214	194	190	188	185	166	155	
WS(Km/hr)	4.2	4.5	4.5	4.3	4.6	4.9	5.1	4.8	6.1	6.5	6.9	7.1	6.8	6.8	7.3	8.5	8.7	8.8	8.8	6.9	8.2	
Stage	Spouting & Seedling				vegetative growth				Flowering & fruiting					Harvesting								
Favorable Environn		Spouting	& Seediii	19	vegetative growth				Flowering & inditing					пагуезину								
Temperature	The idea				tures range ung parts,									vth decrea	ses at low	ver tempe	rature (10	°C); Fruit	set is adv	ersely a	ffected at temperatures	
Relative Humidity						Sensit	ive to exc	ess mois	ture and t	he high re	elative hur	midity;Th	e optimum									
Soil Temperature		Ch	ili seeds o	an germi	nate and g	row norm	ally at so	il tempera	atures of						nili can tol	erate mod	lerately co	old soil ter	nperature	s of 13°	C to 15°C.	
Sunshine Hour Favorable environm	ental co	nditions t	for insect	e and die	20200					At least	4 to 6 noi	urs airect	sunlight p	er day								
Mites	iciitai coi	ilaitions i	01 1113001	o una un	Maximun										ive humidity	y); Minimun	n Temp.: 1	2 to 14°C;	The prevail	ing high t	emperature and low relative	
Aphids					Moderat					umidity fa			h the peak a uildup of	abundance.								
7 tprillad					aphids Grow r	ninimum	tomporo	turo 0.7	°C and	mavimur	n tompo	raturas	33 U°C·									
Thrips	Grow minimum temperature Population remains more abun rainy periods; Heavy rainfall re						abundant Il reduces	nt during prolonged dry conditions than in moist es population														
White fly																						
Fruit Borer		The upper development threshold temperature for all stages is 37 °C, and 40 °C is lethal; The optimum temperatures for development of eggs, larvae, and pupae are around 24–27 °C; RH: 85% to ≤35%. Vector (White fly) population and virus transmission increased at 35 °C (max. temp.); Disease development correlated with relative humidity as the humidity decreased																				
Leaf curl					disease	incident o	lecreased	d; Disease	e develop	ment favo	red by ce	rtain rain	fall	. ,						•	•	
Die back/Anthracnose													to 25°C for red diseas			ent; Initial	ıntection	required	95% or a	bove rela	ative humidity for 24 hrs;	
Weather Warning																						
Rainfall														Early	rainfall (1	0 to 15 m	m per day	/)				

Cloudy weather	Cloudy weather								
Drought	Short to moderate drought (7 to 10 days)								
Duration of staying	2 to 3 days								
wet									
Hailstorm	Hailstorms with early rainfall								
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: Sylhet Region (Districts: Sylhet, Molvi bazar, Habigonj, Sunamgonj) Bangladesh

Sylhet Region		Kharif Chili									Life span: 150-160 days												
Months	April	April May								June			July					August					
Std.Week/Normal	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	
Rainfall (mm)	65.5	59.0	78.5	85.5	102.5	107.5	122.0	116.5	148.5	152.0	168.0	129.5	137.5	130.0	110.0	129.5	129.0	123.5	103.0	118.5	105.0	96.0	
Max. Temp. (°C)	32.1	32.5	32.0	31.7	31.5	31.6	31.9	32.2	31.5	31.9	31.6	31.9	31.9	31.7	32.0	31.8	32.2	32.3	32.8	32.2	32.2	32.5	
Min. Temp. (°C)	20.8	21.4	21.8	21.8	22.0	22.7	23.2	23.6	24.0	24.4	24.9	25.0	25.0	25.0	25.2	25.0	25.0	25.1	25.3	25.2	25.0	25.0	
Mean Temp. (°C)	26.5	26.9	26.9	26.7	26.7	27.1	27.5	27.9	27.7	28.1	28.3	28.4	28.5	28.4	28.6	28.4	28.6	28.7	29.0	28.7	28.6	28.8	
RHmax (%)	92.3	92.2	93.1	93.2	94.0	94.6	94.7	94.9	95.2	95.8	96.0	96.2	96.0	95.9	96.0	96.1	96.2	96.4	96.2	96.4	96.3	96.3	
RHMin (%)	53.5	54.7	58.2	59.7	63.1	64.2	65.6	67.2	70.6	71.8	73.6	73.7	74.0	73.9	73.4	74.2	72.6	72.4	70.9	72.8	73.0	72.4	
RHmean (%)	72.9	73.5	75.6	76.5	78.5	79.4	80.2	81.0	82.9	83.8	84.8	84.9	85.0	84.9	84.7	85.1	84.4	84.4	83.5	84.6	84.6	84.4	
SShr (hrs)	50.5	51.0	48.5	46.5	45.0	43.5	43.5	38.5	33.5	31.5	26.0	27.5	23.5	25.0	27.0	26.0	30	33.0	33.5	29.5	32.5	33.5	
WD (deg)	188	185	166	155	153	163	160	158	162	161	164	157	161	166	166	160	165	173	171	169	182	176	
WS(Km/hr)	8.8	8.8	6.9	8.2	7.1	6.8	6.2	6.5	6.5	5.4	5.6	6.3	6.6	6.0	5.9	6.2	6.7	6.4	5.9	5.6	5.6	5.3	
	2																						
Stage	SI	pouting 8	& Seedli	ng	vegetative growth					Flowering & fruiting						Harvesting							
Favorable Environment																							
Temperature														d growth		s at lower	tempera	ture (10°0	C); Fruit s	et is adve	rsely affecte	ed at	
Relative Humidity															humidity v								
Soil Temperature		Chili se	eds can	germina	te and gr	ow norma	ally at soil	tempera	tures of 1						Chili can t	olerate m	oderately	cold soil	temperati	ures of 13	°C to 15°C		
Sunshine Hour	aanditiana fa		d d:							At least	4 to 6 hou	ırs direct	sunlight p	er day									
Favorable environmental	conditions to	rinsects	s and di	seases	Maximur	n temp : 3:	3 to 35°C:	Raise a g	eneration i	n 1 week i	ınder ontin	nal conditio	ns (25°C	and high re	elative hum	idity): Mini	imum Tem	ın : 12 to 1	4°C:The n	revailing hi	gh temperatu	ire and low	
Mites					relative h	numidity in	absence o	of rainfall fa	avored the	population	developm	ent of mite	s to reach	the peak a	abundance			ip 12 to 1	τ ο, πιο ρι	ovaning m	girtomporato	10 4114 1011	
Aphids									relative h														
Thrips					abunda	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						ion increa			ratures; v	vhite fly p	opulation	is low at	humidity	≤45% an	d ≥85%								
Fruit Borer										the dev	/elopmen	t of eggs,	larvae, a	nd pupae	are arou	nd 24–27	°C; RH: 8	85% to ≤	35%.	·	num temper		
Leaf curl					the dise	ase incid	ent decre	ased; Dis	sease dev	elopment	t favored	by certain	rainfall								humidity d		
Die back/Anthracnose															e develop developme		ial infection	on require	ed 95% or	above re	lative humid	dity for 24	
Weather Warning															•								
Rainfall														E	Early rainfa	all (10 to	15 mm pe	er day)					
Cloudy weather											Clou	ıdy weath	er										

Drought	Short to moderate drought (7 to 10 days)
Duration of staying wet	2 to 3 days
Hailstorm	Hailstorms with early rainfall
Windspeed	≤20 Km/hr
Temperature	Germination and growth decreases at lower temperature (10°C),Fruit set is adversely affected at temperatures above 35 °C