

ISSUED ON "FRIDAY 17TH JULY 2015

Meteorological Sub-division of Sikkim

As per India Meteorological Department's classification, Sikkim is a part of Met Sub-Division of Sub Himalayan West Bengal & Sikkim (SHWB & SKM) and is divided into four (4) Districts:

- 1) North District with HQ at Mangan
- 2) East District with HQ at Gangtok
- 3) West District with HQ at Gyalsing
- 4) South District with HQ at Namchi

	Mangan (PTO)			North Sikkim Forecast							
				Day → Parameter↓	Day 1	Day 2	Day 3	Day 4	Day 5		
Date	Rainfall	Max. Temp	Min. Temp (°C)	Sky Condition	Generally Cloudy	Generally Cloudy	Generally Cloudy	Generally Cloudy	Generally Cloudy		
Date	(mm)	(°C)		Rainfall	Moderate	Light	Moderate	Moderate	Moderate		
14-7-2015	068	28.4	21.6	Wind (Km/Hr) (Speed/ Dir)	2(E)	2(E)	2(E)	2(SW)	2(WSW)		
15-7-2015	005	27.3	20.7	Temperature (Min-Max)	20 - 29°C	20 - 28°C	20 - 27°C	20 - 28°C	20 - 28°C		
16-7-2015	007	27.4	18.4	RH (Min- Max)	75 - 88%	78 - 90%	78 - 93%	82 - 95%	82 - 95%		

	Gangtok			East Sikkim Forecast							
				Day → Parameter↓	Day 1	Day 2	Day 3	Day 4	Day 5		
	Date	Rainfall	Max. Temp	Min. Temp	Sky Condition	Generally Cloudy	Generally Cloudy	Generally Cloudy	Generally Cloudy	Generally Cloudy	
	Date	(mm)	(°C)	(°C)	Rainfall	Moderate	Moderate	Moderate	Moderate	Moderate	
	14-7-2015	011	21.5	19.6	Wind (Km/Hr) (Speed/ Dir)	3(ESE)	3(ESE)	2(SE)	2(S)	2(SW)	
	15-7-2015	052	20.3	19.4	Temperature (Min-Max)	18 - 23°C	18 - 23°C	18 - 22°C	18 - 22°C	18 - 22°C	
	16-7-2015	035	20.0	18.5	RH (Min- Max)	78 - 92%	76 - 90%	80 - 90%	85 - 95%	85 - 96%	

_											
	Namthang			South Sikkim Forecast							
				Day → Parameter↓	Day 1	Day 2	Day 3	Day 4	Day 5		
	Date	Rainfall	Max. Temp	Min. Temp	Sky Condition	Generally Cloudy	Generally Cloudy	Generally Cloudy	Generally Cloudy	Generally Cloudy	
	(mm) (°C)	(°C)	(°C)	Rainfall	Moderate	Moderate	Moderate	Moderate	Moderate		
	14-7-2015	001	28.0	25.0	Wind (Km/Hr) (Speed/ Dir)	3(E)	3(E)	2(ESE)	2(S)	2(SW)	
	15-7-2015	057	27.5	21.5	Temperature (Min-Max)	20 - 28°C	20 - 28°C	20 - 27°C	20 - 26°C	20 - 26°C	
	16-7-2015	010	25.9	20.5	RH (Min- Max)	70 - 87%	75 - 86%	78 - 92%	82 - 95%	82 - 96%	

			West Sikkim Forecast							
	Gyalshing (AWS)			Day → Parameter↓	Day 1	Day 2	Day 3	Day 4	Day 5	
Date	Rainfall	Max. Temp	Min. Temp	Sky Condition	Generally Cloudy	Generally Cloudy	Generally Cloudy	Generally Cloudy	Generally Cloudy	
Date	(mm)	(°C) (°C)	(°C)	Rainfall	Light	Light	Moderate	Light	Moderate	
14-7-2015	033	22.6	19.4	Wind (Km/Hr) (Speed/ Dir)	3(ENE)	4(ENE)	3(E)	2(S)	2(WSW)	
15-7-2015	004	N/A	19.4	Temperature (Min-Max)	18 - 27°C	18 - 26°C	18 - 25°C	18 - 26°C	18 - 25°C	
16-7-2015	007	23.4	18.4	RH (Min- Max)	73 - 88%	75 - 90%	78 - 90%	80 - 92%	85 - 95%	

<u>Part II</u>

AGRO-METEREOLOGICAL ADVISORIES

General Advisories for all the crops/ livestock

- Preventive spray and soil drenching with copper oxychloride @2.5 g/l of water at 7-10 days intervals.
- Spraying of plant protection biopesticides (neem based formulation @ 3-5ml/l of water and petroleum oil based agro spray @ 7ml/l) on bright sunny day.
- Ensure proper drainage to avoid water logging especially for ginger, turmeric and kharif vegetables.
- **Weeding should be done between 15-45 days after sowing/ planting of the crop.**
- Avoid feeding of damp and foul smelling feed to all livestock and poultry.
- De-worming with Fenbendazole @ 10 mg / kg body weight.

Name of the crop/Animal	Stage	Pest/ Disease	Agro-Met Advisories
Crops			
Maize	Harvesting		 Harvesting of maize for green cobs should be done in the morning hours. After harvest of green cobs, stover may be used as livestock fodder. Maintain proper drainage for maize crop being grown for grain and seed purpose.
Rice	Direct sowing/ Transplanting		 Land should be prepared for direct sowing/transplanting. Proper maintenance of field channel and bunds are necessary to utilize the rain water. Well decomposed FYM/poultry manure/ vermicompost or other available organic sources of nutrients may be broadcast and incorporated by ploughing. Maintain proper spacing of 20 x 15 cm for conventional rice and 20 x 20 cm under modified SRI. Weeding should be done where crop

		1	1	
				is in vegetative stage (20-25 days
				after planting).
				Uprooted weeds may be left in
				between rows to decompose in
				standing flood water. Weeds may be
				incorporated into the soil under SRI.
Rice bean	Vegetative stage	Blister Beetle	٨	Proper staking should be done.
			٨	Collection and destruction of Blister
		BACKLOHEN/		beetles and spraying of Neem oil
		and the second		@3ml/lit should be done.
		A 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4		
		The second second		
		Laguma nod horar		
		Legume pod borer		
Soybean	Sowing/		٨	Variety PK-1024 and PK-1042 may
				be used for the late sowing (upto 1 st
	Vegetative stage			fortnight of August)
			٨	Well decomposed FYM @ 5 t/ha or
				vermicompost @ 1 t/ha and dolomite
				@ 2 t/ha should be incorporated in
				the soil at the time last ploughing.
				Before sowing seed should be
				inoculated with <i>Rhizobium</i> culture @
				20 g/kg seed
			٨	Sowing on ridges is recommended.
Black gram/	Sowing/	Blister Beetle		Well decomposed FYM @ 5 t/ha or
U	vegetative stage			vermicompost @ 1 t/ha and dolomite
Green gram				@ 2 t/ha should be incorporated in
		A State of the		the soil at the time last ploughing.
		AND 5 1	٨	Before sowing seed should be
		The second was		inoculated with <i>Rhizobium</i> culture @
				20 g/kg seed.
			٨	Timely sowing on ridges is
				recommended.
			٨	Collection and destruction of Blister
				beetles and spraying of Neem oil
				@3ml/lit should be done.
Finger Millet	Transplanting			Land should be prepared for
				transplanting.
			٨	Proper maintenance of field channel
				and bunds are necessary to utilize the
				rain water.
			٨	Well decomposed FYM/poultry
				manure/ vermicompost or other
				available organic sources of nutrients
			1	

		1		
				may be broadcast and incorporated by
				ploughing.
				Maintain proper spacing of 20 x 15
				cm
Tomato	Flowering/	Late Blight		F
	fruiting			drenching/ spray with copper
	munnig			oxychloride @ 0.25 % or Bordeaux
			•	mixture @ 1%.
				Installation of para pheromone trap
				(cue lure) @ 16-20 traps/ha for fruit
				borer.
		Fruit borer	•	Spraying of Spinosad 45SC @ 0.3
		White fly		ml/l at 20 days interval for fruit
		white Hy		borers.
			V	Spraying of petroleum oil based agro
			۵	spray @ 7ml/l on bright sunny day. Harvesting of mature green tomato
			*	should be done for distant market and
				pinkish/ reddish for local market.
				plinkish/ reduish for local market.
Gourds (Bottle/	Flowering/	Fruit fly		Collection and destruction of infested
bitter/ sponge/	fruiting	I full fly	Ť	fruit.
ridge)	manning		٨	Installation of para pheromone trap
8-/				(cue lure) @ 16-20 traps/ha.
			٨	Regular harvesting should be done to
				improve the yield.
Dalley chilli/	Flowering/	Fruit fly	٨	Collection and destruction of infested
Red Cherry	fruiting			fruit.
pepper			۲	Installation of para pheromone trap
				(cue lure) @ 16-20 traps/ha.
				Regular harvesting should be done to
				improve the yield.
Large	Vegetative/			0
cardamom	floral bud formation		•	be done.
	Tormation			Apply well decomposed FYM @
				2kg/ vermicompost @ 200g and neem
				cake @ 150g per clump.
			V	Removal and burying of blight infected leaves.
			٨	Weeding/ removal of infected tillers
			×	should be done.
			٨	Removal of infected leaves/ plant and
			Ť	spray with copper oxychloride @ 0.25
				%.
			1	

Ginger	Vegetative	Soft rot		Weeding and second mulching is
				recommended.
			*	Second dose of organic manure may
				be applied along with earthing up.
			~	Removal of infected leaves/ plant and
				drenching/ spray with copper
				oxychloride @ 0.25 %.
Sikkim	Vegetative /	Scab		Basin should be weed free.
Mandarin	active fruit	NR 84. 4444		Avoid FYM application near the tree
	growth			trunk.
				To fertilize the crop, well decomposed
		CARDON & C		FYM @ 10-20kg /plant should be
				applied in the basin of trees.
				Removal of infected leaves and spray
				with copper oxychloride @ 0.25 %.
		Leaf miner		Spray of petroleum oil based agro
				spray @ 10ml/l for the management of
		Sugar De		aphid and leaf miner.
		Cont 10		Regular monitoring for trunk borer
				infestation.
		Antid		
		Aphid		
Kiwifruit	Vegetative /			
	active fruit			Regular weeding should be practiced.
	growth			Avoid FYM application near the tree
				trunk.
			۲	To fertilize the crop, well decomposed
				FYM @ 10-20kg /plant should be
				applied in the basin of trees.
			۲	Preventive spray with copper
				oxychloride @ 0.25 % and petroleum
				oil based agro spray @ 10 ml/l.
Animal Scien	nces	•		
Tibetan Sheep	Full wool grown		٨	Shearing is recommended on bright
	- un woor grown			sunny day.
			۲	Deworming of newly born lambs and
			Ť	ewes should be done with
				Fenbendazole @ 10mg/kg body
				weight.
				7

Yak	Full grown hair			Trimming of full grown coarse hair is
				recommended.
				Feeding of concentrate feed along
				with mineral mixture and salt.
Cattle, Sheep	All stages		٨	Chances of coming into estrus so
and Goat				farmers are advised to look for heat
				sign especially during early morning
				or late evening and ensure breeding
				of the animal after 12 hr of 1st heat
				observe.
			۲	Feeding of colostrums within 2 hrs
				of birth.
			٨	Feeding of concentrate feed along
				with jaggery, mineral mixture and
				salt.
				Periodic application of fly repellents
				and/ or netting of dung pit is
				recommended.
Poultry	All stages	Cocciodiosis		8 (
				should be provided to adult birds for
				optimum egg production.
				Frequent raking and liming of deep
				litter materials.
				Inclusion of turmeric powder @
				10g/kg feed for prevention of cocciodiosis.
			۲	Maintenance of brooder temperature
				for chicks with the help of electrical
				bulbs.
			۲	.1
				30 th day of age.
			۲	Calcium and multi vitamin
				supplementation is strongly
				recommended to optimize egg
				production.
Pig	All stages	Swine fever	 Image: A start of the start of	
			۲	Swine fever vaccine at the age of 8-
				10 week is recommended.
			۲	Critical heat detection in early
				morning and late evening is
				recommended.