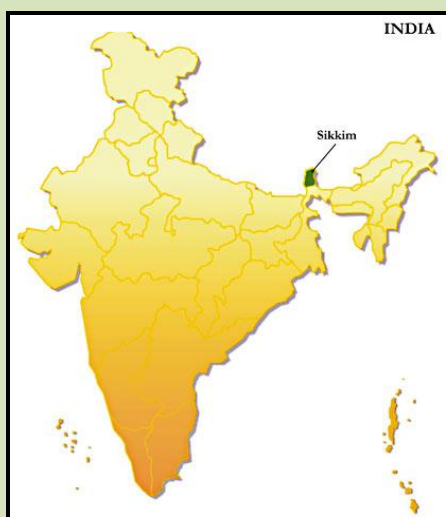




STATE COMPOSITE AGRO-MET ADVISORY BULLETIN FOR THE STATE OF SIKKIM PERIOD: 5th AUGUST – 7th AUGUST”2014



IMD, GANGTOK IN COLLABORATION WITH ICAR, GANGTOK, FSAD AND HCCD, GANGTOK



ISSUED ON TUESDAY 5th AUGUST’2014 BY

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

Part I: Weather

Significant Past Weather in different districts during the period 01/8/14 TO 04/8/14

Weather Forecast for different districts for the period 05/8/14 to 09/8/14

North Sikkim

Mangan (AWS)

North Sikkim

Date	Rainfall (mm)	Max. Temp (°C)	Min. Temp (°C)	<ul style="list-style-type: none"> Generally Cloudy sky during the period 5th August to 9th August is expected. Light to moderate rain is expected during the period 5th August to 9th August. Wind from south-easterly to south-south-westerly with an average speed of 2-3 km/hr is expected. Maximum and minimum temperatures are expected to be around 27-30°C and 20°C respectively. Maximum and minimum relative humidity is expected to be 90-95 % and 80-85 % respectively.
01-08-2014	000.0	29.7	21	
02-08-2014	003.0	29.7	20.6	
03-08-2014	023.0	29.7	20.6	
04-08-2014	003.0	25.6	20.3	

East Sikkim

Gangtok

East Sikkim

Date	Rainfall (mm)	Max. Temp (°C)	Min. Temp (°C)	<ul style="list-style-type: none"> Generally Cloudy sky during the period 5th August to 9th August is expected. Light to moderate rain is expected during the period 5th August to 9th August. Wind from south-easterly to south-westerly with an average speed of 2-3 km/hr is expected. Maximum and minimum temperatures are expected to be around 21-23°C and 18°C respectively. Maximum and minimum relative humidity is expected to be 92-97 % and 85-90 % respectively.
01-08-2014	000.1	024.8	018.4	
02-08-2014	005.1	024.0	018.8	
03-08-2014	004.2	023.2	019.1	
04-08-2014	009.6	021.9	018.5	

Significant Past Weather in different districts during the period 01/8/14 TO 04/8/14

Weather Forecast for different districts for the period 05/8/14 to 09/8/14

South Sikkim

Namthang

South Sikkim

Date	Rainfall (mm)	Max. Temp (°C)	Min. Temp (°C)	<ul style="list-style-type: none"> Generally Cloudy sky during the period 5th August to 9th August is expected. Light to moderate rain is expected during the period 5th August to 9th August. Wind from south-easterly to south-westerly with an average speed of 1-3 km/hr is expected. Maximum and minimum temperatures are expected to be around 26-29°C and 22°C respectively. Maximum and minimum relative humidity is expected to be 90-95% and 80-85% respectively.
01-08-2014	000.0	30	22	
02-08-2014	000.0	29.5	24.5	
03-08-2014	000.0	28	23	
04-08-2014	020.0	27	23.8	

West Sikkim

Gyalshing

West Sikkim

Date	Rainfall (mm)	Max. Temp (°C)	Min. Temp (°C)	<ul style="list-style-type: none"> Generally Cloudy sky during the period 5th August to 9th August is expected. Light to moderate rain is expected during the period 5th August to 9th August. Wind from south-easterly to southerly with an average speed of 1-3 km/hr is expected. Maximum and minimum temperatures are expected to be around 23-26°C and 18 °C respectively. Maximum and minimum relative humidity is expected to be 90-95 % and 80-85 % respectively.
01-08-2014	067.0	018.7	026.7	
02-08-2014	020.0	019.0	026.0	
03-08-2014	001.0	018.2	025.3	
04-08-2014	002.0	017.8	023.5	

Part II

AGRO-METEREOLOGICAL ADVISORIES

Name of the crop/Animal	Stage	Pest/ Disease	Agro-Met Advisories
Crops			
Urd bean			<ul style="list-style-type: none"> Complete sowing of Urd bean by this week.
Soybean	Vegetative		<ul style="list-style-type: none"> Complete sowing of soybean by this week. Critical period for crop weed competition is 20 -50 days after sowing; hence 1st hand weeding should be done at 15-20 days after sowing.
Rice	Vegetative		<ul style="list-style-type: none"> Critical period for crop weed competition is 15-30 DAT in case of transplanted rice and in direct seeded upland rice is 30-60DAS; hence one hand weeding should be done at 15 DAT/DAS. Maintain 2-3 cm water on the surface during initial crop period in transplanted rice to reduce the weed problem.
Finger millet	Vegetative		<ul style="list-style-type: none"> Gap filling and thinning should be completed as earliest. Critical period for crop weed competition is 20-40 days after sowing; hence 1st hand weeding should be done at 15-20 days after sowing.
Black gram	Sowing/ Vegetative		<ul style="list-style-type: none"> Sowing should be done on ridges as earliest. Thinning should be done as early as to maintain the proper plant population
Rice bean	Sowing/ Vegetative		<ul style="list-style-type: none"> For maintaining the proper plant population thinning and gap filling should be done.

			<ul style="list-style-type: none"> ■ Critical period for crop weed competition is 20-40 days after sowing; hence 1st hand weeding should be done at 15-20 days after sowing.
Cucurbits	Fruiting		<ul style="list-style-type: none"> ■ Harvesting should be done before onset of rain.
Dalley Chilli	Flowering and Fruiting		<ul style="list-style-type: none"> ■ Field should be cleaned and weed free ■ Light watering should be done, in case there is no rainfall.
Sikkim Mandarin	Fruit growth		<ul style="list-style-type: none"> ■ Basin of plants should be cleaned. ■ FYM should be applied, in case not applied in previous month.
Large cardamom		Occurrences of shoot fly and stem borer in large cardamom.	<ul style="list-style-type: none"> ■ One spray of neem based formulation 1500 ppm @ 3 ml/l is advisable to manage the pest problem.
Okra	Flowering and Fruiting	Blister Beetle	<ul style="list-style-type: none"> ■ Manually collect the beetle and buried in soil away from the main field. ■ Weeding should be done.

Animal Sciences

Tibetan Sheep	Full grown wool	Chances of soiling and picking infection	<ul style="list-style-type: none"> ■ Go for shearing of you Sheep followed by spraying or Dipping in ectoparasitic solution.
Yak, Tibetan Sheep, Goat Cattle	High humidity Moderate temperature	Favorable condition for ectoparasitic infection	<ul style="list-style-type: none"> ■ Go for deworming with fenbedazole @10mg/kg.
Cattle ,Sheep and Goat	Comfortable temperature	Plenty of green posture/fodder available in the field	<ul style="list-style-type: none"> ■ Chances of coming into estrus so 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.