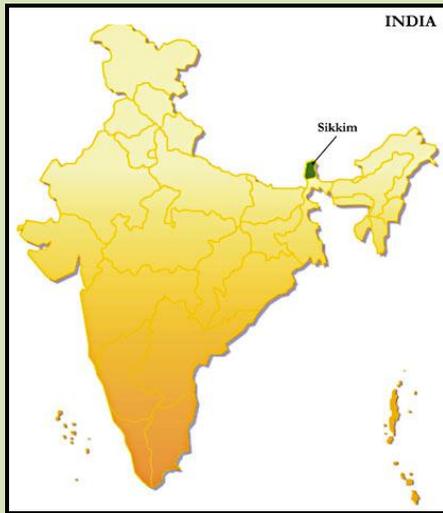




STATE COMPOSITE AGRO-MET ADVISORY BULLETIN FOR THE STATE OF SIKKIM PERIOD: 8th AUGUST – 11th AUGUST 2014



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



ISSUED ON FRIDAY 8th 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 05/8/14 TO 07/8/14

Weather Forecast for different districts for the period 08/8/14 to 12/8/14

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 8th August to 12th August is expected. ■ Light to moderate rain is expected during the period 8th August to 12th August. ■ Wind from south-easterly to southerly with an average speed of 2-4 km/hr is expected. ■ Maximum and minimum temperatures are expected to be around 28-32°C and 20°C respectively. ■ Maximum and minimum relative humidity is expected to be 92-95% and 75-85% respectively.
05-08-2014	019.0	28.1	20.3	
06-08-2014	009.0	29.4	19.9	
07-08-2014	000.0	31.4	20.9	

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 8th August to 12th August is expected. ■ Light to moderate rain is expected during the period 8th August to 12th 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 21-24°C and 18°C respectively. ■ Maximum and minimum relative humidity is expected to be 93-97% and 82-88% respectively.
05-08-2014	041.0	020.4	018.2	
06-08-2014	035.3	022.8	017.7	
07-08-2014	004.6	023.8	018.8	

Significant Past Weather in different districts during the period 05/8/14 TO 07/8/14

Weather Forecast for different districts for the period 08/8/14 to 12/8/14

South Sikkim

Namthang

South Sikkim

Date	Rainfall (mm)	Max. Temp (°C)	Min. Temp (°C)	
05-08-2014	030.0	30.4	21.5	<ul style="list-style-type: none"> ■ Generally Cloudy sky during the period 8th August to 12th August is expected. ■ Light to moderate rain is expected during the period 8th August to 12th 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 28-31°C and 20°C respectively. ■ Maximum and minimum relative humidity is expected to be 90-95% and 75-85% respectively.
06-08-2014	002.0	29.8	20	
07-08-2014	000.0	30.5	19	

West Sikkim

Gyalshing

West Sikkim

Date	Rainfall (mm)	Max. Temp (°C)	Min. Temp (°C)	
05-08-2014	002.0	018.2	021.3	<ul style="list-style-type: none"> ■ Generally Cloudy sky during the period 8th August to 12th August is expected. ■ Light to moderate rain is expected during the period 8th August to 12th 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 24-27°C and 18°C respectively. ■ Maximum and minimum relative humidity is expected to be 92-96% and 75-82% respectively.
06-08-2014	003.0	016.9	026.0	
07-08-2014	002.0	018.0	025.7	

Part II

AGRO-METEREOLOGICAL ADVISORIES

Name of the crop/Animal	Stage	Pest/ Disease	Agro-Met Advisories
Crops			
Upland rice	Seedling	Leaf folder	<ul style="list-style-type: none"> ✿ Weeding and thinning should be done. ✿ Spray phytoneem @ 3ml per litre of water.
Soybean	Vegetative		<ul style="list-style-type: none"> ✿ Earthing-up and thinning may be done. ✿ 1st hand weeding should be done at 15-20 days after sowing. ✿ Proper drainage should be maintained.
Rice bean	Sowing/ Vegetative		<ul style="list-style-type: none"> ✿ Thinning and gap filling 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. ✿ Excess water should be drained out.
Pahenlo dal (urd bean)	vegetative		<ul style="list-style-type: none"> ✿ Weeding and thinning should be done.
Blackgram	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. ✿ Excess water should be drained out.
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.
Maize	Harvesting		<ul style="list-style-type: none"> ✿ Harvest mature cobs and sundry. After proper drying, store grains/ seeds in well ventilated godown.

Rice	Tillering	Leaf folder and stem borer infestation may occur. 	<ul style="list-style-type: none"> * Spraying of neem formulation (1500 ppm) @ 3 ml/l. * 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.
Bean	Flowering	Blister beetle may occur and destroy flowers. 	<ul style="list-style-type: none"> * Handpicking is effective to control this pest.
Large cardamom	Tillering	Infestation of shoot fly and stem borer	<ul style="list-style-type: none"> * Collection and destruction of infested tillers. Spraying of neem formulation (1500 ppm) @ 3 ml/l.
Cucurbits	Fruiting		<ul style="list-style-type: none"> * Basin of plants should be cleaned.
Dalley Chilli	Flowering and Fruiting		<ul style="list-style-type: none"> * Field should be cleaned and weed free. * FYM should be applied, in case not applied in previous month.
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.

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 and 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 pasture/ 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.