

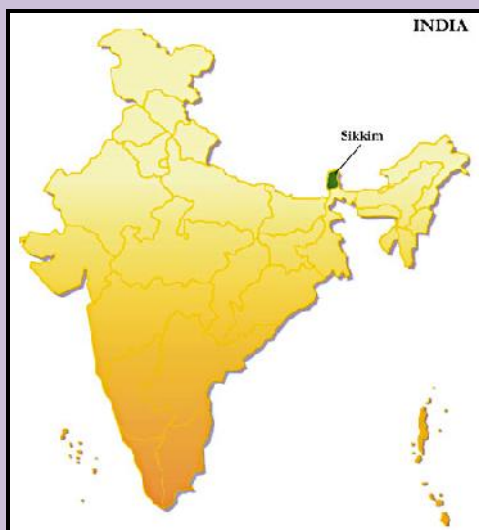


AGRO-MET ADVISORY BULLETIN FOR THE DISTRICT OF NORTH SIKKIM

PERIOD:

27th NOVEMBER' to 1st DECEMBER' 2019

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



ISSUED ON 26th November 2019

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

Issued by: Santanu Das, SMS (Agril. Meteorology), ICAR-KVK, East Sikkim, Ranipool

Value Added forecast for NORTH-DISTRICT for next five days

Parameter/Date	27/11/2019	28/11/2019	29/11/2019	30/11/2019	01/12/2019
Rainfall (mm)	No rain	No rain	No rain	No rain	No rain
Max Temp ($^{\circ}\text{C}$)	20	21	22	21	20
Min Temp ($^{\circ}\text{C}$)	13	13	13	13	12
Sky condition	Generally cloudy	Generally cloudy	Generally cloudy	Generally cloudy	Generally cloudy
Max RH (%)	89	85	85	90	92
Min RH (%)	78	75	80	82	85
Wind Speed (Kmph)	004	004	003	004	004
Wind Direction (deg)	SE	SE	SE	SE	SE

Northerly- **N**, North-Easterly- **N-E**, Easterly- **E**, South-Easterly- **S-E**, Southerly- **S**, South-Westerly- **S-W**, Westerly- **W**, North-westerly- **N-W**.

Weather for preceding week			
Date	Rainfall	Max. Temp	Min. Temp
	(mm)	($^{\circ}\text{C}$)	($^{\circ}\text{C}$)
23/11/2019	000	22.0	13.4
24/11/2019	000	19.1	14.3
25/11/2019	000	20.8	14.0

Weather forecast valid up to 01st December 2019

- Probability of no rain.
- Max temp may be varying from 20-22 $^{\circ}\text{C}$, whereas, Min temp may vary from 12-13 $^{\circ}\text{C}$
- Sky will remain generally cloudy.
- Max RH is likely to be 85-92 %, whereas, Min RH may vary from 75-85 %
- Wind speed may likely vary from 3-4 km/hr.
- Wind direction may blow from southeasterly direction.
- Weekly cumulative rainfall= 000.0 mm

AGRO-METEOREOLOGICAL ADVISORIES

General Advisories for all the crops/ livestock

- ➡ Complete the sowing of rabi crops as early as possible before residual soil moisture lost.
- ➡ Harvest mature crops before unexpected rain.
- ➡ While selecting site for construction of animal shed a site that allows sun light exposure as well as good wind control is preferable

Name of the crop/Animal	Stage	Cultural practices/ Pest/ Diseases	Agro-Met Advisories
<i>Agricultural and Horticultural crops:</i>			
Rice	Harvesting		<ul style="list-style-type: none">◆ Drain out water completely 10 days before harvesting.◆ Harvesting should start when the crops are 80-90% mature◆ Maintain seed moisture about 8-10 % for storage.
Rjmash	Pod development		<ul style="list-style-type: none">◆ Spray neem oil @ 5ml/liter (1500 ppm) for quality seed production.
Potato	Planting		<ul style="list-style-type: none">◆ Potato tubers should be healthy, medium sized and diseased free.◆ Prepare well seed bad for proper tuberization of potato crop.◆ Maintain spacing at 50-60 cm × 20-25 cm and select tuber size of 40-50 g◆ Apply well decompose FYM or compost @ 15 t/ha + vermicompost @ 3 t/ha and neem cake @ 2 t/ha during field preparation.
Field pea	Sowing		<ul style="list-style-type: none">◆ Just after harvesting of rice, pea can be grown under zero tillage practice at 30 cm row to row distance with 15 cm plant to plant distance.
Rapeseed- Mustard/Toria	Sowing		<ul style="list-style-type: none">◆ Late variety can be grown at zero/ reduced tillage after rice or maize harvest at residual soil moisture.
Cole crops	Nursery preparation		<ul style="list-style-type: none">◆ After transplanting, apply light irrigation at alternate days for better of crop growth.◆ Apply mulching just after irrigation to conserve soil moisture.
<i>Animal Sciences and livestock management</i>			
Sheep/goat			<ul style="list-style-type: none">◆ During winter months special care should be taken for sheep, goat for external parasites.

Agro-Met Advisory member of ICAR-NOFRI and KVK- East Sikkim

Name	Designation	Department
<i>Dr. R. K. Avasthe</i>	Joint Director	Soil Science
<i>Dr. Raghavendra Singh</i>	Senior scientist and Head (I/C)	Agronomy
<i>Dr. P. K. Pathak</i>	SMS	Animal science
<i>Dr. J.K. Singh</i>	SMS	Plant Breeding
<i>Dr. Manoj Kumar</i>	SMS	Agronomy
<i>Sh. Boniface Lepcha</i>	SMS	Horticulture
<i>Sh. Santanu Das</i>	SMS	Agril. Meteorology
<i>Miss Tirtha Kumari Chettri</i>	Met. Observer	Biochemistry

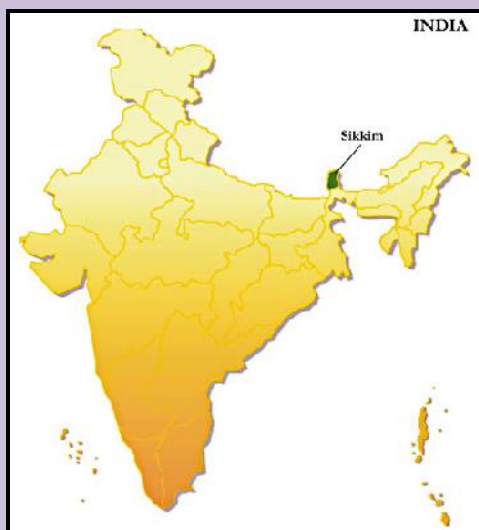


AGRO-MET ADVISORY BULLETIN FOR THE DISTRICT OF EAST SIKKIM

PERIOD:

27th NOVEMBER' to 1st DECEMBER' 2019

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



ISSUED ON 26th November 2019

Meteorological Sub-division of Sikkim

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

Issued by: Santanu Das, SMS (Agril. Meteorology), ICAR-KVK, East Sikkim, Ranipool

Value Added forecast for EAST-DISTRICT for next five days

Parameter/Date	27/11/2019	28/11/2019	29/11/2019	30/11/2019	01/12/2019
Rainfall (mm)	No rain	No rain	No rain	No rain	No rain
Max Temp (°C)	16	17	18	17	16
Min Temp (°C)	11	11	12	12	11
Sky condition	Generally cloudy	Generally cloudy	Generally cloudy	Generally cloudy	Generally cloudy
Max RH (%)	90	85	87	90	90
Min RH (%)	82	78	77	84	85
Wind Speed (Kmph)	003	003	004	005	004
Wind Direction (deg)	NE	NE	NE	NE	NE

Northerly- N, North-Easterly- N-E, Easterly- E, South-Easterly- S-E, Southerly- S, South-Westerly- S-W, Westerly- W, North-westerly- N-W.

Weather for preceding week			
Date	Rainfall	Max. Temp	Min. Temp
23/11/2019	Trace	17.4	11.2
24/11/2019	000	14.8	11.7
25/11/2019	000	16.7	11.5

Weather forecast valid up to 01st December 2019

- There is no probability of rainfall.
- Max temp may be varying from 16-18°C, whereas, Min temp may vary from 11-12 °C
- Sky will remain generally cloudy
- Max RH is likely to be 85-90 %, whereas, Min RH may vary from 77-85 %
- Wind speed may likely vary from 3-5 km/hr.
- Wind direction may blow from northeasterly
- Weekly cumulative rainfall= 000.0 mm

AGRO-METEREOLOGICAL ADVISORIES

General Advisories for all the crops/ livestock

- Complete the sowing of rabi crops as early as possible before residual soil moisture lost.
- Harvest mature crops before unexpected rain.
- While selecting site for construction of animal shed a site that allows sun light exposure as well as good wind control is preferable.

Name of the crop/Animal	Stage	Cultural practices/ Pest/ Diseases	Agro-Met Advisories
<i>Agricultural and Horticultural crops:</i>			
Rice	Harvesting		<ul style="list-style-type: none">◆ Drain out water completely 10 days before harvesting.◆ Harvesting should start when the crops are 80-90% mature◆ Maintain seed moisture about 8-10 % for storage.
Rjmash	Pod development		<ul style="list-style-type: none">◆ Spray neem oil @ 5ml/liter (1500 ppm) for quality seed production.
Potato	Planting		<ul style="list-style-type: none">◆ Potato tubers should be healthy, medium sized and diseased free.◆ Prepare well seed bad for proper tuberization of potato crop.◆ Maintain spacing at 50-60 cm × 20-25 cm and select tuber size of 40-50 g◆ Apply well decompose FYM or compost @ 15 t/ha + vermicompost @ 3 t/ha and neem cake @ 2 t/ha during field preparation.◆
Field pea	Sowing		<ul style="list-style-type: none">◆ Just after harvesting of rice, pea can be grown under zero tillage practice at 30 cm row to row distance with 15 cm plant to plant distance.
Rapeseed-Mustard/Toria	Sowing		<ul style="list-style-type: none">◆ Late variety can be grown at zero/reduced tillage after rice or maize harvest at residual soil moisture.
Cole crops	Nursery preparation		<ul style="list-style-type: none">◆ After transplanting, apply light irrigation at alternate days for better of crop growth.◆ Apply mulching just after irrigation to conserve soil moisture.
<i>Animal Sciences and livestock management</i>			
Sheep/goat			<ul style="list-style-type: none">◆ During winter months special care should be taken for sheep, goat for external parasites.

Agro-Met Advisory member of ICAR-NOFRI and KVK- East Sikkim

Name	Designation	Department
<i>Dr. R. K. Avasthe</i>	Joint Director	Soil Science
<i>Dr. Raghavendra Singh</i>	Senior scientist and Head (I/C)	Agronomy
<i>Dr. P. K. Pathak</i>	SMS	Animal science
<i>Dr. J.K. Singh</i>	SMS	Plant Breeding
<i>Dr. Manoj Kumar</i>	SMS	Agronomy
<i>Sh. Boniface Lepcha</i>	SMS	Horticulture
<i>Sh. Santanu Das</i>	SMS	Agril. Meteorology
<i>Miss Tirtha Kumari Chettri</i>	Met. Observer	Biochemistry

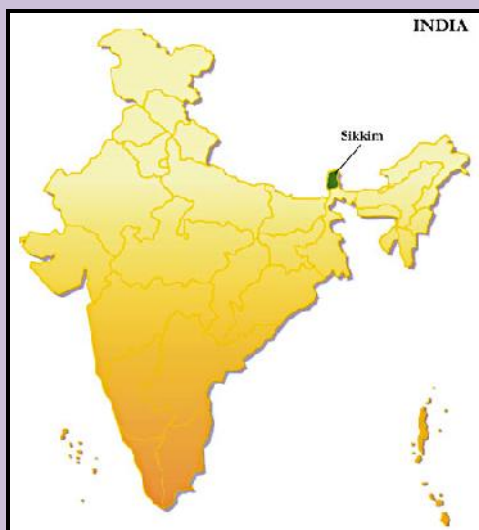


AGRO-MET ADVISORY BULLETIN FOR THE DISTRICT OF SOUTH SIKKIM PERIOD:



27th NOVEMBER' to 1st DECEMBER' 2019

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



ISSUED ON 26th November 2019

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- 3) West District with HQ at Gyalsing
- 4) South District with HQ at Namchi

Issued by: Santanu Das, SMS (Agril. Meteorology), ICAR-KVK, East Sikkim, Ranipool

Value Added forecast for SOUTH-DISTRICT for next five days

Parameter/Date	27/11/2019	28/11/2019	29/11/2019	30/11/2019	01/12/2019
Rainfall (mm)	No rain	No rain	No rain	No rain	No rain
Max Temp (°C)	21	21	22	21	20
Min Temp (°C)	11	11	11	12	12
Sky condition	Generally cloudy	Generally cloudy	Generally cloudy	Generally cloudy	Generally cloudy
Max RH (%)	85	84	85	90	90
Min RH (%)	75	72	75	78	82
Wind Speed (Kmph)	003	003	003	004	003
Wind Direction (deg)	NE	NE	NE	NE	NE

Northerly- **N**, North-Easterly- **N-E**, Easterly- **E**, South-Easterly- **S-E**, Southerly- **S**, South-Westerly- **S-W**, Westerly- **W**, North-westerly- **N-W**.

Weather for preceding week			
Date	Rainfall	Max. Temp	Min. Temp
	(mm)	(°C)	(°C)
23/11/2019	N/A	19.5	11.2
24/11/2019	N/A	19.8	12.6
25/11/2019	N/A	21.2	11.3

Weather forecast valid up to 01st December 2019

- There will be no rainfall
- Max temp may be varying from 20-21°C, whereas, Min temp may vary from 11-12°C
- Sky will remain generally cloudy.
- Max RH is likely to be 84-90 %, whereas, Min RH may vary from 75-82 %
- Wind speed may likely vary from 3-4 km/hr.
- Wind direction may blow from northeasterly direction
- Weekly cumulative rainfall= 000.0 mm

AGRO-METEOREOLOGICAL ADVISORIES

General Advisories for all the crops/ livestock

- Complete the sowing of rabi crops as early as possible before residual soil moisture lost.
- Harvest mature crops before unexpected rain.
- While selecting site for construction of animal shed a site that allows sun light exposure as well as good wind control is preferable

Name of the crop/Animal	Stage	Cultural practices/ Pest/ Diseases	Agro-Met Advisories
<i>Agricultural and Horticultural crops:</i>			
Rice	Harvesting		<ul style="list-style-type: none"> ◆ Drain out water completely 10 days before harvesting. ◆ Harvesting should start when the crops are 80-90% mature ◆ Maintain seed moisture about 8-10 % for storage.
Rjmash	Pod development		<ul style="list-style-type: none"> ◆ Spray neem oil @ 5ml/liter (1500 ppm) for quality seed production.
Potato	Planting		<ul style="list-style-type: none"> ◆ Potato tubers should be healthy, medium sized and diseased free. ◆ Prepare well seed bad for proper tuberization of potato crop. ◆ Maintain spacing at 50-60 cm × 20-25 cm and select tuber size of 40-50 g ◆ Apply well decompose FYM or compost @ 15 t/ha + vermicompost @ 3 t/ha and neem cake @ 2 t/ha during field preparation. ◆
Field pea	Sowing		<ul style="list-style-type: none"> ◆ Just after harvesting of rice, pea can be grown under zero tillage practice at 30 cm row to row distance with 15 cm plant to plant distance.
Rapeseed-Mustard/Toria	Sowing		<ul style="list-style-type: none"> ◆ Late variety can be grown at zero/ reduced tillage after rice or maize harvest at residual soil moisture.
Cole crops	Nursery preparation		<ul style="list-style-type: none"> ◆ After transplanting, apply light irrigation at alternate days for better of crop growth. ◆ Apply mulching just after irrigation to conserve soil moisture.
<i>Animal Sciences and livestock management</i>			
Sheep/goat			<ul style="list-style-type: none"> ◆ During winter months special care should be taken for sheep, goat for external parasites.

Agro-Met Advisory member of ICAR-NOFRI and KVK- East Sikkim

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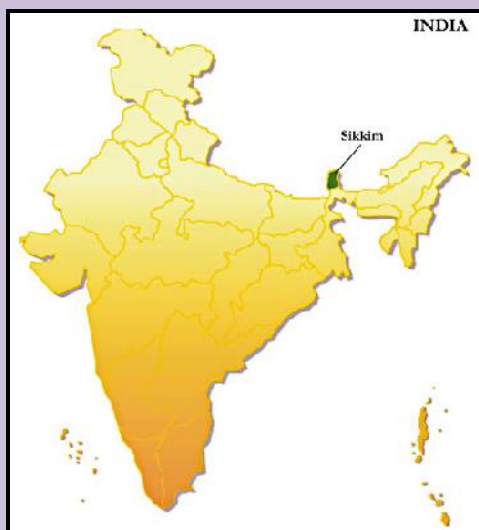


AGRO-MET ADVISORY BULLETIN FOR THE DISTRICT OF WEST SIKKIM

PERIOD:

27th NOVEMBER' to 1st DECEMBER' 2019

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Value Added forecast for WEST-DISTRICT for next five days

Parameter/Date	27/11/2019	28/11/2019	29/11/2019	30/11/2019	01/12/2019
Rainfall (mm)	No rain	No rain	No rain	No rain	No rain
Max Temp (°C)	18	19	20	19	18
Min Temp (°C)	11	11	11	12	12
Sky condition	Generally cloudy	Generally cloudy	Generally cloudy	Generally cloudy	Generally cloudy
Max RH (%)	85	82	86	90	90
Min RH (%)	75	72	74	80	19
Wind Speed (Kmph)	004	004	003	003	003
Wind Direction (deg)	NW	NW	NW	NW	NW

Northerly- N, North-Easterly- N-E, Easterly- E, South-Easterly- S-E, Southerly- S, South-Westerly- S-W, Westerly- W, North-westerly- N-W.

Weather for preceding week			
Date	Rainfall	Max. Temp	Min. Temp
	(mm)	(°C)	(°C)
23/11/2019	N/A	N/A	N/A
24/11/2019	000	N/A	N/A
25/11/2019	000	N/A	N/A

Weather forecast valid up to 01st December 2019

- Probability of no rainfall
- Max temp may be varying from 18-20°C, whereas, Min temp may vary from 11-12°C
- Sky will remain generally cloudy.
- Max RH is likely to be 82-90 %, whereas, Min RH may vary from 72-80 %
- Wind speed may likely vary from 3-4 km/hr.
- Wind direction may blow from northwesterly.
- Weekly cumulative rainfall= 000.0 mm

AGRO-METEOREOLOGICAL ADVISORIES

General Advisories for all the crops/ livestock (English)

- ➡ Complete the sowing of rabi crops as early as possible before residual soil moisture lost.
- ➡ Harvest mature crops before unexpected rain.
- ➡ While selecting site for construction of animal shed a site that allows sun light exposure as well as good wind control is preferable

Name of the crop/Animal	Stage	Cultural practices/ Pest/ Diseases	Agro-Met Advisories
<i>Agricultural and Horticultural crops:</i>			
Rice	Harvesting		<ul style="list-style-type: none">◆ Drain out water completely 10 days before harvesting.◆ Harvesting should start when the crops are 80-90% mature◆ Maintain seed moisture about 8-10 % for storage.
Rjmash	Pod development		<ul style="list-style-type: none">◆ Spray neem oil @ 5ml/liter (1500 ppm) for quality seed production.
Potato	Planting		<ul style="list-style-type: none">◆ Potato tubers should be healthy, medium sized and diseased free.◆ Prepare well seed bad for proper tuberization of potato crop.◆ Maintain spacing at 50-60 cm × 20-25 cm and select tuber size of 40-50 g◆ Apply well decompose FYM or compost @ 15 t/ha + vermicompost @ 3 t/ha and neem cake @ 2 t/ha during field preparation.
Field pea	Sowing		<ul style="list-style-type: none">◆ Just after harvesting of rice, pea can be grown under zero tillage practice at 30 cm row to row distance with 15 cm plant to plant distance.
Rapeseed- Mustard/Toria	Sowing		<ul style="list-style-type: none">◆ Late variety can be grown at zero/ reduced tillage after rice or maize harvest at residual soil moisture.
Cole crops	Nursery preparation		<ul style="list-style-type: none">◆ After transplanting, apply light irrigation at alternate days for better of crop growth.◆ Apply mulching just after irrigation to conserve soil moisture.
<i>Animal Sciences and livestock management</i>			
Sheep/goat			<ul style="list-style-type: none">◆ During winter months special care should be taken for sheep, goat for external parasites.

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