

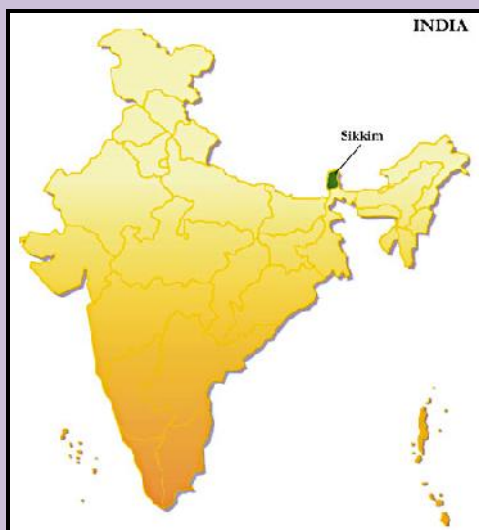


AGRO-MET ADVISORY BULLETIN FOR THE DISTRICT OF NORTH SIKKIM

PERIOD:

14th DECEMBER' to 18th DECEMBER' 2019

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



ISSUED ON 13th December 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	14/12/2019	15/12/2019	16/12/2019	17/12/2019	18/12/2019
Rainfall (mm)	Light rainfall	Very Light rainfall	No rain	No rain	No rain
Max Temp (⁰ C)	17	16	18	19	18
Min Temp (⁰ C)	09	08	08	08	09
Sky condition	Generally cloudy	Overcast	Generally cloudy	Generally cloudy	Generally cloudy
Max RH (%)	91	92	90	85	87
Min RH (%)	71	75	70	68	69
Wind Speed (KmpH)	004	004	005	004	004
Wind Direction (deg)	S	SE	SE	S	S

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)	(⁰ C)	(⁰ C)
10/12/2019	000	N/A	08.6
11/12/2019	000	17.0	10.3
12/12/2019	000	14.9	10.3

Weather forecast valid up to 18th December 2019

- Probability of rainfall on Saturday and Sunday.
- Max temp may be varying from 16-19 °C, whereas, Min temp may vary from 8-9°C
- Sky will remain generally cloudy.
- Max RH is likely to be 87-92 %, whereas, Min RH may vary from 68-71 %
- Wind speed may likely vary from 4-5 km/hr.
- Wind direction may blow from southerly direction.
- Weekly cumulative rainfall= 006.0 mm

AGRO-METEOROLOGICAL 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
- ➡ बाँकी माटोको नमिमा चाँडो भन्दा चाँडो हिउँदोको फसल बिरुवा रोपन पूरा गर्नुहोस्
- ➡ अचानक पानी पर्नु भन्दा अगारि पाकेको फसल काटनुश
- ➡ जनावरहरूको निर्माणको लागि जग्गा छानदा सूर्य प्रकाशका साथै राम्रो हावा नियन्त्रण हुने हेर्नुस्

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.
			<ul style="list-style-type: none">◆ फसल काटनु भन्दा १० दिन पहिले पानी बाहिर निकाल्नुहोस्।◆ फसल ८०-९०% पाकेको भएपछि फसल काटन सुरु गर्नुस्◆ बीउ राख्नुको लागि ८-१०% नमि कायम राख्नुहोस्
Rjmarsh	Pod development		<ul style="list-style-type: none">◆ Spray neem oil @ 5ml/liter (1500 ppm) for quality seed production.
			<ul style="list-style-type: none">◆ राम्रो सग बीउ २ दिनको लागि नीमको तेल @ 5 ml\litre (1500 ppm) लगाउनुस्।
Potato	Planting		<ul style="list-style-type: none">◆ Potato tubers should be healthy, medium sized and diseased free.◆ Prepare well seed bed 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.
			<ul style="list-style-type: none">◆ आलुका दाना स्वस्थ, मध्यम आकार र रोगमुक्त हुनुपर्दछ।◆ आलु बीउको उचित tuberazition को लागि राम्रासग बार तयार गर्नुहोस्।◆ 40-50 g आलु को बीउ 50-60 cm × 20-25 cm अन्तरमा रापनुस्।◆ पूरा कृणको FYM or compost @ 15 t/ha + vermicompost @ 3 t/ha आनि neem cake @ 2 t/ha बार तयार गदा लगाउनुस्।

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.
			<ul style="list-style-type: none"> धानका बाला काटन बात्तक पाछ मटर (zero tillage) शून्य खेतीको अनुसार at 30 cm row to row distance with 15 cm plant to plant distance मा गर्नु सकिन्छ ।
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.
			<ul style="list-style-type: none"> ढिला रापन बरुवाहरू धानका मकैको बालीनाली पछि (zero tillage) शून्य खेतीको अनुसार कम जताइमा माटामा बाँकी भएको नमिम उब्जाउन सकिन्छ ।
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.
			<ul style="list-style-type: none"> बरुवा रापपाछ बरुवालाई राम्रा बनाउन २-३ दिनमा हल्का पनिको प्रयोग गर्नुहोस । माटोको नमी बचाय राख्न को लागि पानी लगाय पाछ मात्र मलाचग लगाउनुहोस ।
Animal Sciences and livestock management			
Sheep/goat			<ul style="list-style-type: none"> During winter months special care should be taken for sheep, goat for external parasites.
			<ul style="list-style-type: none"> जाडो माहेनाहरूमा भेडा र बाख्रा हरुलाई परजीवीहरू बाटा ब्याउनु लागि विशेष ध्यान राख्नु पर्छ ।
Poultry/chicken			<ul style="list-style-type: none"> Keep the Vanaraja chicks in warm condition (32-33°C) during the first four weeks. Low cost brooder should be made to prevent chick mortality due to cold stress. Maintain brooding temperature through continuous electricity supply and for emergency Sigiri/Bukhari can be used.
			<ul style="list-style-type: none"> पोहेली चार हप्ताहरूमा भानाराजा चल्लाहरू न्यानो अवस्थाम (३२-३३°C) राख्नुहोस चिसो तनावका कारण कुखुराहरूको मृत्युलाई रोक्न कम गर्नुको लागि सस्तो पशु प्पालन गृह बनाउनु पर्छ । पशु पालन गृह तापमान कायम गर्नुको लागि लगातार बिजुली प्रयोग गर्नुस र आपतकालिनको लागि सिगार अथवा बुखारो प्रयोग गर्न सकिन्छ ।

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

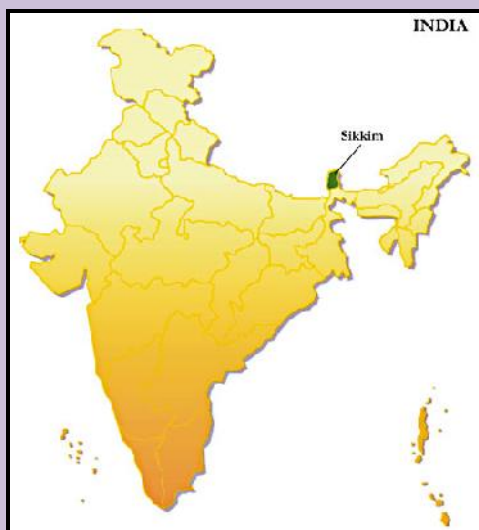


AGRO-MET ADVISORY BULLETIN FOR THE DISTRICT OF EAST SIKKIM

PERIOD:

14th DECEMBER' to 18th DECEMBER' 2019

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



ISSUED ON 13th December 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 EAST-DISTRICT for next five days

Parameter/Date	14/12/2019	15/12/2019	16/12/2019	17/12/2019	18/12/2019
Rainfall (mm)	Very light rainfall	Very light rainfall	No rain	No rain	No rain
Max Temp (°C)	13	12	14	15	14
Min Temp (°C)	07	06	06	07	07
Sky condition	Generally cloudy	Overcast	Generally cloudy	Generally cloudy	Generally cloudy
Max RH (%)	92	91	87	85	89
Min RH (%)	72	75	70	68	69
Wind Speed (Kmph)	002	003	004	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
10/12/2019	000	14.7	06.4
11/12/2019	000	10.9	07.7
12/12/2019	002	11.0	06.6

Weather forecast valid up to 18th December 2019

- There is a probability of rainfall on coming Saturday and Sunday
- Max temp may be varying from 12-15°C, whereas, Min temp may vary from 6-7 °C
- Sky will remain generally cloudy
- Max RH is likely to be 85-92 %, whereas, Min RH may vary from 68-75 %
- Wind speed may likely vary from 2-4 km/hr.
- Wind direction may blow from northeasterly
- Weekly cumulative rainfall= 003.0 mm

AGRO-METEOROLOGICAL 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.
- ➡ बाँकी माटोको नमिमा चाँडो भन्दा चाँडो हिउँदोको फसल बिरुवा रोपन पूरा गर्नुहोस्
- ➡ अचानक पानी पर्नु भन्दा अगारि पाकेको फसल काटनुश
- ➡ जनावरहरूको निर्माणको लागि जगा छानदा सूर्य प्रकाशका साथै राम्रो हावा नियन्त्रन हुने हेर्नुस्

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.
			<ul style="list-style-type: none"> ◆ फसल काटनु भन्दा १० दिन पहिले पानी बाहिर निकाल्नुहोस्। ◆ फसल ८०-९०% पाकेको भएपछि फसल काटन सुरु गर्नुस् ◆ बीउ राख्नुको लागि ८-१०% नमि कायम राख्नुहोस्
Rjmash	Pod development		<ul style="list-style-type: none"> ◆ Spray neem oil @ 5ml/liter (1500 ppm) for quality seed production.
			<ul style="list-style-type: none"> ◆ राम्रो सग बीउ उत्पदनको लागि नीमको तेल @ 5 ml/litre (1500 ppm) लगाउनुस्।
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.
			<ul style="list-style-type: none"> ◆ आलुका दाना स्वस्थ, मध्यम आकार र रोगमुक्त हुनुपर्दछ। ◆ आलु बीउको उचित tuberization को लागि राम्रोसग बार तयार गर्नुहोस्। ◆ 40-50 g आलु को बीउ 50-60 cm × 20-25 cm अन्तरमा राप्नुस्। ◆ पूरा कृएको FYM or compost @ 15 t/ha + vermicompost @ 3 t/ha आनि neem cake @ 2 t/ha बार तयार गदा लगाउनुस्।

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.
			<ul style="list-style-type: none"> धानका बाला काटन बातक पाछ मटर (zero tillage) शून्य खेतीको अनुसार at 30 cm row to row distance with 15 cm plant to plant distance मा गरनु साकन्छ ।
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.
			<ul style="list-style-type: none"> ढला रापन बरुवाहरू धानका वा मकका बालीनाली पछि (zero tillage) शून्य खेतीको अनुसार कम जुताइमा माटामा बाँकी भूमिमा उब्जाउन सकिन्छ ।
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.
			<ul style="list-style-type: none"> बरुवा राप्पाछ बरुवालाइ राम्रा बनाउन २-३ दिनमा हल्का पानिको प्रयोग गर्नुहोस । माटोको नमी बचाय राख्नु को लागि पानि लगाय पाछ मात्र मलाचग लगाउनुहास ।

Animal Sciences and livestock management

Sheep/goat			<ul style="list-style-type: none"> During winter months special care should be taken for sheep, goat for external parasites.
			<ul style="list-style-type: none"> जाडो माहेनाहरूमा भेडा र बाख्रा हरुलाई परजीवीहरू बाटा ब्याउनु लागि विशेष ध्यान राख्नु पर्छ ।
Poultry/chicken			<ul style="list-style-type: none"> Keep the Vanaraja chicks in warm condition (32-33°C) during the first four weeks. Low cost brooder should be made to prevent chick mortality due to cold stress. Maintain brooding temperature through continuous electricity supply and for emergency Sigiri/Bukhari can be used.
			<ul style="list-style-type: none"> पौहेली चार हप्ताहरूमा भानाराजा चलाहरू न्यानो अवस्थामा (३२-३३°C) राख्नुहोस चिसो तनावका कारण कुखुराहरूको मृत्युलाई रोक्न कम गर्नुको लागि सस्तो पशु प्पालन गृह बनाउनु पर्छ । पशु पालन गृह तापमान कायम गर्नुको लागि लगातार बिजुली प्रयोग गर्नु र आपतकालिनको लागि सिगार अथवा बुखारा प्रयोग गर्न साकन्छ ।

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
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<i>Sh. Santanu Das</i>	SMS	Agril. Meteorology
<i>Miss Tirtha Kumari Chettri</i>	Met. Observer	Biochemistry

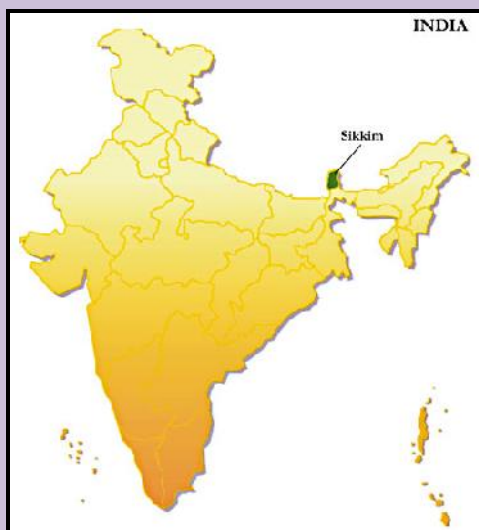


AGRO-MET ADVISORY BULLETIN FOR THE DISTRICT OF SOUTH SIKKIM PERIOD:



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ISSUED ON 13th December 2019

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- 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

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Value Added forecast for SOUTH-DISTRICT for next five days

Parameter/Date	14/12/2019	15/12/2019	16/12/2019	17/12/2019	18/12/2019
Rainfall (mm)	Very light rainfall	No rain	No rain	No rain	No rain
Max Temp (°C)	17	16	18	19	19
Min Temp (°C)	08	07	07	08	09
Sky condition	Generally cloudy	Generally cloudy	Generally cloudy	Generally cloudy	Generally cloudy
Max RH (%)	91	87	85	84	88
Min RH (%)	68	72	69	65	69
Wind Speed (Kmph)	002	004	004	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)
10/12/2019	N/A	17.3	07.2
11/12/2019	N/A	14.8	08.1
12/12/2019	N/A	15.8	07.5

Weather forecast valid up to 18th December 2019

- There is a probability of rainfall on coming Saturday.
- Max temp may be varying from 16-19°C, whereas, Min temp may vary from 7-9°C
- Sky will remain generally cloudy.
- Max RH is likely to be 60-80 %, whereas, Min RH may vary from 30-40 %
- Wind speed may likely vary from 2-4 km/hr.
- Wind direction may blow from northeasterly direction
- Weekly cumulative rainfall= 001.0 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
- बाँकी माटोको नमिमा चाँडो भन्दा चाँडो हिउँदोको फसल बिरुवा रोपन पूरा गर्नुहोस्
- अचानक पानी पर्नु भन्दा अगारि पाकेको फसल काटनुश
- जनावरहरूको निर्माणको लागि जग्गा छानदा सूर्य प्रकाशका साथै राम्रो हावा नियन्त्रन हुने हेर्नुस्

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.
			<ul style="list-style-type: none">◆ फसल काटनु भन्दा १० दिन पहिले पानी बाहिर निकाल्नुहोस्।◆ फसल ८०-९०% पाकेको भएपछि फसल काटन सुरु गर्नुस्◆ बीउ राख्नुको लागि ८-१०% नमि कायम राख्नुहोस्
Rjmarsh	Pod development		<ul style="list-style-type: none">◆ Spray neem oil @ 5ml/liter (1500 ppm) for quality seed production.
			<ul style="list-style-type: none">◆ राम्रो सग बीज उत्पादनको लागि नीमको तेल @ 5 ml\litre (1500 ppm) लगाउनुस्।
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.
			<ul style="list-style-type: none">◆ आलुका दाना स्वस्थ, मध्यम आकार र रोगमुक्त हुनुपर्दछ।◆ आलु बीउको उचित tuberization को लागि राम्रासग बार तयार गर्नुहोस्।◆ 40-50 g आलु को बीउ 50-60 cm × 20-25 cm अन्तरमा राप्नुस्।◆ पूरा कृएको FYM or compost @ 15 t/ha + vermicompost @ 3 t/ha आनि neem cake @ 2 t/ha बार तयार गदा लगाउनुस्।

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.
			<ul style="list-style-type: none"> धानका बाला काटन बातक पाछ मटर (zero tillage) शून्य खेतीको अनुसार at 30 cm row to row distance with 15 cm plant to plant distance मा गरनु साकन्छ ।
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.
			<ul style="list-style-type: none"> ढला रापन बरुवाहरू धानका वा मकका बालीनाली पछि (zero tillage) शून्य खेतीको अनुसार कम जुताइमा माटामा बाँकी भए-नमिमा उब्जाउन सकिन्छ ।
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.
			<ul style="list-style-type: none"> बरुवा रापपाछ बरुवालाइ राम्रा बनाउन २-३ दिनमा हल्का पानिको प्रयोग गर्नुहोस । माटोको नमी बचाय राख्नु को लागि पानि लगाय पाछ मात्र मलाचग लगाउनुहास ।
Animal Sciences and livestock management			
Sheep/goat			<ul style="list-style-type: none"> During winter months special care should be taken for sheep, goat for external parasites.
			<ul style="list-style-type: none"> जाडो माहेनाहरूमा भेडा र बाख्रा हरुलाई परजीवीहरू बाटा बचाउनु लागि विशेष ध्यान राख्नु पर्छ ।
Poultry/chicken			<ul style="list-style-type: none"> Keep the Vanaraja chicks in warm condition (32-33⁰C) during the first four weeks. Low cost brooder should be made to prevent chick mortality due to cold stress. Maintain brooding temperature through continuous electricity supply and for emergency Sigiri/Bukhari can be used.
			<ul style="list-style-type: none"> पोहेली चार हप्ताहरूमा भानाराजा चलाहरू न्यानो अवस्थामा (३२-३३^०C) राख्नुहोस चिसो तनावका कारण कुखुराहरूको मृत्युलाई रोक्न कम गर्नुको लागि सस्तो पशु प्पालन गृह बनाउनु पर्छ । पशु पालन गृह तापमान कायम गर्नुको लागि लगातार बिजुली प्रयोग गर्नुस र आपतकालिनको लागि सिगार अथवा बुखारा प्रयोग गर्न साकन्छ ।

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
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<i>Sh. Boniface Lepcha</i>	SMS	Horticulture
<i>Sh. Santanu Das</i>	SMS	Agril. Meteorology
<i>Miss Tirtha Kumari Chettri</i>	Met. Observer	Biochemistry

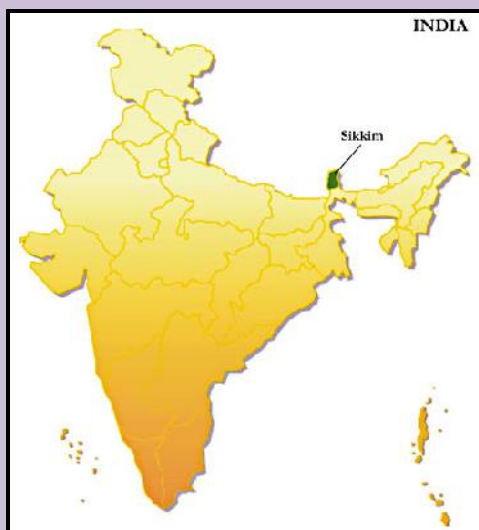


AGRO-MET ADVISORY BULLETIN FOR THE DISTRICT OF WEST SIKKIM

PERIOD:

14th DECEMBER' to 18th DECEMBER' 2019

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



ISSUED ON 13th December 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 WEST-DISTRICT for next five days

Parameter/Date	14/12/2019	15/12/2019	16/12/2019	17/12/2019	18/12/2019
Rainfall (mm)	Light rainfall	No rain	No rain	No rain	No rain
Max Temp ($^{\circ}\text{C}$)	15	14	16	17	17
Min Temp ($^{\circ}\text{C}$)	08	07	06	06	07
Sky condition	Generally cloudy	Generally cloudy	Generally cloudy	Generally cloudy	Generally cloudy
Max RH (%)	92	90	85	86	87
Min RH (%)	72	69	65	65	69
Wind Speed (Kmph)	003	004	004	004	003
Wind Direction (deg)	N	N	N	N	N

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)	($^{\circ}\text{C}$)	($^{\circ}\text{C}$)
10/12/2019	N/A	N/A	N/A
11/12/2019	N/A	N/A	N/A
12/12/2019	N/A	N/A	N/A

Weather forecast valid up to 18th December 2019

- There is a probability of rainfall on Saturday.
- Max temp may be varying from 15-17 $^{\circ}\text{C}$, whereas, Min temp may vary from 6-8 $^{\circ}\text{C}$
- Sky will remain generally cloudy.
- Max RH is likely to be 85-92 %, whereas, Min RH may vary from 65-72 %
- Wind speed may likely vary from 3-4 km/hr.
- Wind direction may blow from northerly.
- Weekly cumulative rainfall= 003.0 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
- ➡ बाँकी माटोको नमिमा चाँडो भन्दा चाँडो हिउँदोको फसल बिरुवा रोपन पूरा गर्नुहोस्
- ➡ अचानक पानी पर्नु भन्दा अगारि पाकेको फसल काटनुश
- ➡ जनावरहरूको निर्माणको लागि जग्गा छानदा सूर्य प्रकाशका साथै राम्रो हावा नियन्त्रन हुने हेर्नुस्

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.
			<ul style="list-style-type: none"> ◆ फसल काटनु भन्दा १० दिन पहिले पानी बाहिर निकाल्नुहोस्। ◆ फसल ८०-९०% पाकेको भएपछि फसल काटन सुरु गर्नुस् ◆ बीउ राख्नुको लागि ८-१०% नमि कायम राख्नुहोस्
Rjmash	Pod development		<ul style="list-style-type: none"> ◆ Spray neem oil @ 5ml/liter (1500 ppm) for quality seed production.
			<ul style="list-style-type: none"> ◆ राम्रो सग बीउ २ दिनको लागि नीमको तेल @ 5 ml\litre (1500 ppm) लगाउनुस्।
Potato	Planting		<ul style="list-style-type: none"> ◆ Potato tubers should be healthy, medium sized and diseased free. ◆ Prepare well seed bed 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.
			<ul style="list-style-type: none"> ◆ आलुका दाना स्वस्थ, मध्यम आकार र रोगमुक्त हुनुपर्दछ। ◆ आलु बीउको उचित tuberazition को लागि राम्रासग बार तयार गर्नुहोस्। ◆ 40-50 g आलु को बीउ 50-60 cm × 20-25 cm अन्तरमा रापनुस्। ◆ पूरा कएको FYM or compost @ 15 t/ha + vermicompost @ 3 t/ha आनि neem cake @ 2 t/ha बार तयार गदा लगाउनुस्।

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.
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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.
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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.
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Poultry/chicken			<ul style="list-style-type: none"> Keep the Vanaraja chicks in warm condition (32-33°C) during the first four weeks. Low cost brooder should be made to prevent chick mortality due to cold stress. Maintain brooding temperature through continuous electricity supply and for emergency Sigiri/Bukhari can be used.
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Agro-Met Advisory member of ICAR-NOFRI and KVK- East Sikkim

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