

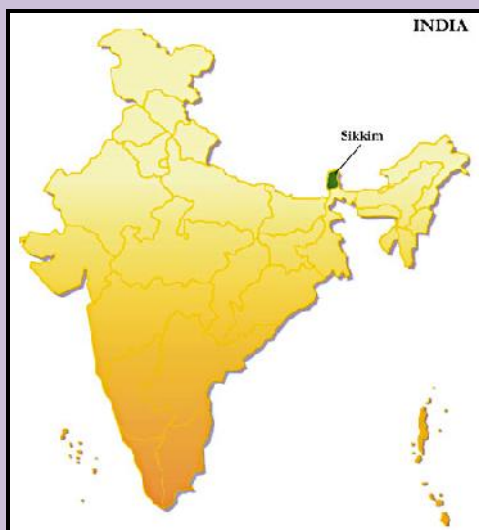


AGRO-MET ADVISORY BULLETIN FOR THE DISTRICT OF NORTH SIKKIM

PERIOD:

22nd JANUARY to 26th JANUARY 2020

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



ISSUED ON 21st January 2020

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	22/01/2020	23/01/2020	24/01/2020	25/01/2020	26/01/2020
Rainfall (mm)	No rain	No rain	Very light rainfall	Very light rainfall	No rain
Max Temp (°C)	15	15	14	13	14
Min Temp (°C)	06	06	05	05	05
Sky condition	Generally cloudy	Generally cloudy	Generally cloudy	Generally cloudy	Generally cloudy
Max RH (%)	80	80	85	85	80
Min RH (%)	76	76	78	78	76
Wind Speed (Kmph)	003	003	004	002	003
Wind Direction (deg)	S	E	SW	SW	SW

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 (mm)	Max. Temp (°C)	Min. Temp (°C)
18-1-2020	005	14.3	08.6
19-1-2020	000	17.6	07.9
20-1-2020	000	17.3	05.6

Weather forecast valid up to 26th January 2020

- Probability of very rainfall on coming days.
- Max temp may be varying from 13-15 °C, whereas, Min temp may vary from 5-6°C
- Sky will remain generally cloudy.
- Max RH is likely to be 80-85 %, whereas, Min RH may vary from 76-78 %
- Wind speed may likely vary from 2-4 km/hr.
- Wind direction may blow from southwesterly direction.
- Weekly cumulative rainfall= 004.0 mm.

AGRO-METEOROLOGICAL ADVISORIES

General Advisories for all the crops/ livestock

- ❖ Apply irrigation if temperature falls down below 4-5°C.
- ❖ If dry condition prevails on field for longer time, apply water keep the field moist.
- ❖ While selecting site for construction of animal shed a site that allows sun light exposure as well as good wind control is preferable.
- ❖ सिँचाई लागू गर्नुहोस् यदि तापक्रम ४-५ डिग्री सेल्सियस तल झरेपछि।
- ❖ यदि सुख्खा अवस्था लामो समयसम्म खेतमा रहन्छ भने पानी प्रयोग गर्नुहोस् खेतलाई चिसो राख्नुहोस्।
- ❖ 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>			
Potato	Vegetative stage		<ul style="list-style-type: none"> ■ As a rule, soil must keep wet but hardening or too wet condition must be avoided. ■ Irrigate the crop at 30-35 DAS and maintain the available soil moisture (ASM) at about 75 %. ■ To protect the potato from chilling injury apply light irrigation on it. ■ Spray Blitox @ 2.5 g/l at 7-10 days interval to control Late blight disease.
			<ul style="list-style-type: none"> ❖ एक तिगमको जग्गामा, माटो भिजेको हुनुपर्दछ तर कडा हुँदै छ वा धेरै भिजेको अवस्थाबाट टाढा रहनु पर्छ। ❖ ३०-३५ दिन बाद बालीमा सिँचाई गर्नुहोस् र उपलब्ध माटोको नमि (ASM) लाई ७५% मा कायम राख्नुहोस्। ❖ आललाई जारोबाट बचाउन यसमा हल्को सिँचाई लगाउनुहोस्। ❖ लेट ब्लाइट रोग नियन्त्रण गर्न ७-१० दिनको मध्यान्तरमा ब्लिटक्स @ २.५ g/l स्प्रे गर्नुहोस्।
Field pea	Pod formation		<ul style="list-style-type: none"> ■ Soil moisture should be maintained for good growth and yield. ■ One or two light and uniform irrigation should be given at flowering and fruiting stage.
			<ul style="list-style-type: none"> ❖ माटोको नमि यसो नै राख्नु उत्पादनको लागि कायम गर्नुपर्दछ। ❖ एक वा दुई हल्का र एकसमान सिँचाई फुल र फलफूल चरणमा दिनु पर्छ।
Rapeseed-Mustard/Toria	Fruiting		<ul style="list-style-type: none"> ■ Flowering and siliqua formation stages are critical for irrigation. So two irrigation at pre-bloom and pod formation stage are

			<p>beneficial.</p> <ul style="list-style-type: none"> In Sikkim condition mulching materials like maize stover and rice straw can be used to conserve soil moisture. For management of aphid, spray neem oil (1500 ppm) @ 4ml/l.
			<ul style="list-style-type: none"> फल फुल्न र मासुत्वा गठन चरणहरू सिचाईको लागि महत्त्वपूर्ण छ। त्यसोभए फल-फुलने र फल लाग्ने चरणमा देई सिचाई लाभदायक छन्। सिक्किमको अवस्थामा मकै को बोट (सकेको) र चामल पराल जस्ता मलचिग सामग्रीहरू माटोको ओस संरक्षण गर्न प्रयोग गर्न सकिन्छ। एफिडको व्यवस्थापनका लागि, नीमको तेल (1500 पीपीएम) @ 4ml मिलि / एल स्प्रे गर्नहोस
Cole crops	Head formation		<ul style="list-style-type: none"> During head initiation of and development stages proper moisture level of soil should be maintained. Cole crops should be harvest either on afternoon or early in the morning. Being a shallow crops earthing up must be carried on cole crops.
			<ul style="list-style-type: none"> प्रमुख गहलको जसमा र ब्रोकली चरणहरूमा माटोको खित ओस तह कायम राख्नुपर्दछ। कोल बालीहरू (cabbage, cauliflower and broccoli) या त दिउसा वा बिहान सबै उठाउनु पर्छ। हल्का जरा बाली भएको कोल बालीमा माटो उठाएर लगाउनु पर्छ।
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 महिनाहरूमा 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"> ❖ नहिना चार हप्ताहरूमा भानाराजा चलाहरू न्यानो अवस्थामा (३२-३३°C) राख्नुहोस् ❖ चिसो तनावको कारण कखराहरूको मृत्युलाई रोक्न कम गर्नको लागि सस्तो पशु प्पालन गृह बनाउनु पर्छ। ❖ पशु पालन गृह तापमान कायम गर्नको लागि लगातार बिजली प्रयोग गर्नु र आपतकालिनको लागि सिगिरि अथवा बुखारी प्रयोग गर्न सकिन्छ।

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

Name	Designation	Department
Dr. R. K. Avasthe	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

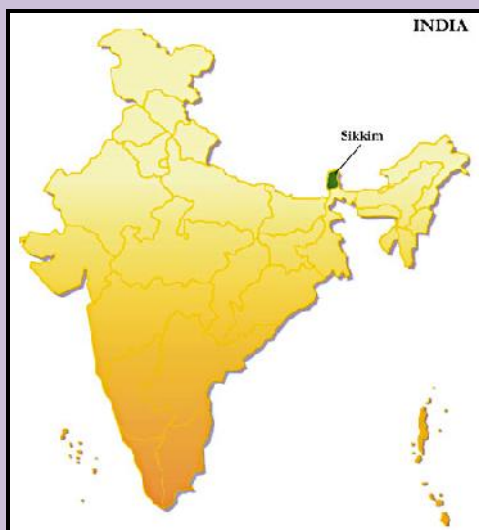


AGRO-MET ADVISORY BULLETIN FOR THE DISTRICT OF EAST SIKKIM

PERIOD:

22nd JANUARY to 26th JANUARY 2020

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



ISSUED ON 21st January 2020

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	22/01/2020	23/01/2020	24/01/2020	25/01/2020	26/01/2020
Rainfall (mm)	No rainfall	No rainfall	Very light rainfall	Very light rainfall	No rainfall
Max Temp (⁰ C)	12	12	10	09	10
Min Temp (⁰ C)	05	05	04	04	04
Sky condition	Generally cloudy	Partially clear	Generally cloudy	Generally cloudy	Generally cloudy
Max RH (%)	80	78	85	86	80
Min RH (%)	75	73	78	78	75
Wind Speed (Kmph)	003	003	002	002	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
18-1-2020	005	12.7	06.8
19-1-2020	000	13.4	06.3
20-1-2020	000	12.7	03.7

Weather forecast valid up to 26th January 2020

- There is a probability of very light rainfall on coming days.
- Max temp may be varying from 09-12°C, whereas, Min temp may vary from 04-05 °C
- Sky will remain generally cloudy.
- Max RH is likely to be 78-85 %, whereas, Min RH may vary from 73-78 %
- Wind speed may likely vary from 2-3 km/hr.
- Wind direction may blow from northeasterly
- Weekly cumulative rainfall= 004.0 mm

AGRO-METEREOLOGICAL ADVISORIES

General Advisories for all the crops/ livestock

- ❖ Apply irrigation if temperature falls down below 4-5°C.
- ❖ If dry condition prevails on field for longer time, apply water keep the field moist.
- ❖ While selecting site for construction of animal shed a site that allows sun light exposure as well as good wind control is preferable.
- ❖ सिँचाई लागू गर्नुहोस् यदि तापक्रम ४-५ डिग्री सेल्सियस तल झरे पिछ्छ।
- ❖ यदि सुख्खा अवस्था लामो समयसम्म खेतमा रहन्छ भने पानी प्रयोग गर्नुहोस् खेतलाई चिसो राख्नुहोस्।
- ❖ 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>			
Potato	Vegetative stage		<ul style="list-style-type: none"> ■ As a rule, soil must keep wet but hardening or too wet condition must be avoided. ■ Irrigate the crop at 30-35 DAS and maintain the available soil moisture (ASM) at about 75 %. ■ To protect the potato from chilling injury apply light irrigation on it. ■ Spray Blitox @ 2.5 g/l at 7-10 days interval to control Late blight disease.
			<ul style="list-style-type: none"> ❖ एक जग्गाको लागि माटो भिजेको हुनुपर्दछ तर कडा हुँदै छ वा धेरै भिजेको अवस्थाबाट टाढा रहनु पर्छ। ❖ ३०-३५ दिन बाद बालीमा सिँचाई गर्नुहोस् र उपलब्ध माटोको नमि (ASM) लाई ७५% मा कायम राख्नुहोस्। ❖ आललाई जारोबाट बचाउन यसमा हल्को सिँचाई लगाउनुहोस्। ❖ लेट ब्लाइट रोग नियन्त्रण गर्न ७-१० दिनको मध्यान्तरमा ब्लिटक्स @ २.५ g/l स्प्रे गर्नुहोस्।
Field pea	Pod formation		<ul style="list-style-type: none"> ■ Soil moisture should be maintained for good growth and yield. ■ One or two light and uniform irrigation should be given at flowering and fruiting stage.
			<ul style="list-style-type: none"> ❖ माटोको नमि कायम राख्नु उत्पादनको लागि कायम गर्नुपर्दछ। ❖ एक वा दुई हल्का र एकसमान सिँचाई फल र फलफूल चरणमा दिनु पर्छ।
Rapeseed- Mustard/Toria	Fruiting		<ul style="list-style-type: none"> ■ Flowering and siliqua formation stages are critical for irrigation. So two irrigation at pre-bloom and pod formation stage are

			<p>beneficial.</p> <ul style="list-style-type: none"> In Sikkim condition mulching materials like maize stover and rice straw can be used to conserve soil moisture. For management of aphid, spray neem oil (1500 ppm) @ 4ml/l.
			<ul style="list-style-type: none"> फूल फुलने र फल लाग्ने चरणहरूमा सिचाईको लागि महत्त्वपूर्ण छ। त्यसोभए फल-फुलने र फल लाग्ने चरणमा दई सिचाई लाभदायक छन्। सिक्किमको अवस्थामा मकै को बाट (सूकेको) र चामल पुराल जस्ता मलचिग सामग्रीहरू माटोको ओस संरक्षण गर्न प्रयोग गर्न सकिन्छ। एफिडको व्यवस्थापनका लागि, नीमको तेल (1500 पीपीएम) @ 4ml मिलि / एल स्प्रे गर्नहोस्
Cole crops	Head formation		<ul style="list-style-type: none"> During head initiation of a and development stages proper moisture level of soil should be maintained. Cole crops should be harvest either on afternoon or early in the morning. Being a shallow crops earthing up must be carried on cole crops.
			<ul style="list-style-type: none"> समृद्ध मृदाहरूमा फल-फुलने र फल लाग्ने चरणहरूमा माटोको रचित ओस तह कायम राख्नुपर्दछ। कोल बालीहरू (cabbage, cauliflower and broccoli) मा न दिउसो वा बिहान सबै उठाउनु पर्छ। हल्का जरा बाली भएको कोल बालीमा माटो उठाएर लगाउनु पर्छ।

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 महिनाहरूमा 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 (32-33°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"> ❖ नहिना चार हन्नाहरूमा भानाराजा चल्लाहरू न्यानो अवस्थामा (३२-३३°C) राख्नुहोस् ❖ चिसो तनावका कारण कखुराहरूको मृत्युलाई रोक्न कम गर्नेको लागि सस्तो पशु प्पालन गृह बनाउनु पर्छ। ❖ पशु पालन गृह तापमान कायम गर्नेको लागि लगातार बिजुली प्रयोग गर्नु र आपतकालिनको लागि सिगिरि अथवा बुखारी प्रयोग गर्न सकिन्छ।

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

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

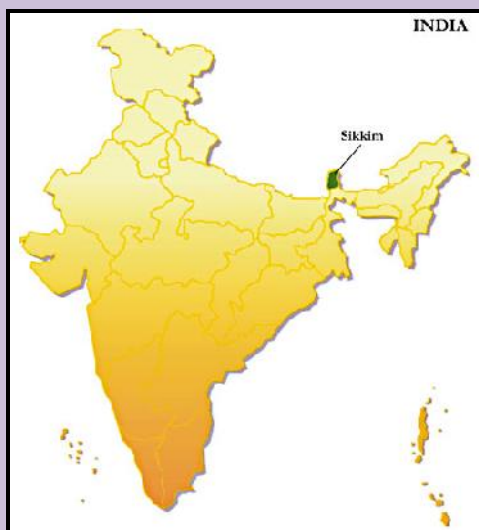


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- 1) North District with HQ at Mangan
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- 3) West District with HQ at Gyalsing
- 4) South District with HQ at Namchi

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

Value Added forecast for SOUTH-DISTRICT for next five days

Parameter/Date	22/01/2020	23/01/2020	24/01/2020	25/01/2020	26/01/2020
Rainfall (mm)	000	000	000	000	000
Max Temp ($^{\circ}\text{C}$)	17	16	14	14	16
Min Temp ($^{\circ}\text{C}$)	06	06	05	05	06
Sky condition	5	4	5	5	4
Max RH (%)	80	78	80	80	78
Min RH (%)	75	74	75	75	74
Wind Speed (Kmph)	003	004	003	004	004
Wind Direction (deg)	NE	NE	E	E	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)	($^{\circ}\text{C}$)	($^{\circ}\text{C}$)
18-1-2020	N/A	16.6	08.5
19-1-2020	N/A	16.3	07.0
20-1-2020	N/A	16.9	05.0

Weather forecast valid up to 26th January 2020

- There is probability of no rainfall on coming days.
- Max temp may be varying from 14-17 $^{\circ}\text{C}$, whereas, Min temp may vary from 5-6 $^{\circ}\text{C}$
- Sky will remain generally cloudy.
- Max RH is likely to be 78-80 %, whereas, Min RH may vary from 74-75 %
- Wind speed may likely vary from 3-4 km/hr.
- Wind direction may blow from northeasterly direction
- Weekly cumulative rainfall= 000.0 mm

AGRO-METEREOLOGICAL ADVISORIES

General Advisories for all the crops/ livestock

- ❖ Apply irrigation if temperature falls down below 4-5°C.
- ❖ If dry condition prevails on field for longer time, apply water keep the field moist.
- ❖ While selecting site for construction of animal shed a site that allows sun light exposure as well as good wind control is preferable.
- ❖ सिँचाई लागू गर्नुहोस् यदि तापक्रम ४-५ डिग्री सेल्सियस तल झरेपछि।
- ❖ यदि सुख्खा अवस्था लामो समयसम्म खेतमा रहन्छ भने पानी प्रयोग गर्नुहोस् खेतलाई चिसो राख्नुहोस्।
- ❖ जनावरहरूको निर्माणको लागि जग्गा छानदा सूर्य प्रकाशका साथै राम्रो हावा नियन्त्रण हुने हेर्नुहोस्।

Name of the crop/Animal	Stage	Cultural practices/ Pest/ Diseases	Agro-Met Advisories
<i>Agricultural and Horticultural crops:</i>			
Potato	Vegetative stage		<ul style="list-style-type: none"> ■ As a rule, soil must keep wet but hardening or too wet condition must be avoided. ■ Irrigate the crop at 30-35 DAS and maintain the available soil moisture (ASM) at about 75 %. ■ To protect the potato from chilling injury apply light irrigation on it. ■ Spray Blitox @ 2.5 g/l at 7-10 days interval to control Late blight disease.
			<ul style="list-style-type: none"> ❖ एक तिम्सिमा, माटो भित्रको हनुपदेखि तर कडा हुँदै छ वा धेरै भित्रको अवस्थाबाट टाढा रहनु पर्छ। ❖ ३०-३५ दिन बाद बालीमा सिँचाई गर्नुहोस् र उपलब्ध माटोको नमि (ASM) लाई ७५% मा कायम राख्नुहोस्। ❖ आलुलाई जारोबाट बचाउन यसमा हल्को सिँचाई लगाउनुहोस्। ❖ लेट ब्लाइट रोग नियन्त्रण गर्न ७-१० दिनको मध्यान्तरमा ब्लिटक्स @ २.५ g/l स्प्रे गर्नुहोस्।
Field pea	Pod formation		<ul style="list-style-type: none"> ■ Soil moisture should be maintained for good growth and yield. ■ One or two light and uniform irrigation should be given at flowering and fruiting stage.
			<ul style="list-style-type: none"> ❖ माटोको नमि राम्रो राख्नु र उत्पादनको लागि कायम गर्नुपर्दछ। ❖ एक वा दुई हल्का र एकसमान सिँचाई फूल र फलफूल चरणमा दिनु पर्छ।
Rapeseed- Mustard/Toria	Fruiting		<ul style="list-style-type: none"> ■ Flowering and siliqua formation stages are critical for irrigation. So two irrigation at pre-bloom and pod formation stage are

			<p>beneficial.</p> <ul style="list-style-type: none"> In Sikkim condition mulching materials like maize stover and rice straw can be used to conserve soil moisture. For management of aphid, spray neem oil (1500 ppm) @ 4ml/l.
			<ul style="list-style-type: none"> फूल फुलने र फल लाग्ने चरणहरू सिचाइको लागि महत्त्वपूर्ण छ। त्यसोभए फल-फुलने र फल लाग्ने चरणमा देई सिचाई लाभदायक छन्। सिक्किमको अवस्थामा मकै को बोट (सुकेको) र चामल पराल जस्ता मलचिग सामग्रीहरू माटोको ओस संरक्षण गर्न प्रयोग गर्न सकिन्छ। एफिडको व्यवस्थापनका लागि, नीमको तेल (1500 पीपीएम) @ 4ml मिलि / एल स्प्रे गर्नुहोस्
Cole crops	Head formation		<ul style="list-style-type: none"> During head initiation of and development stages proper moisture level of soil should be maintained. Cole crops should be harvest either on afternoon or early in the morning. Being a shallow crops earthing up must be carried on cole crops.
			<ul style="list-style-type: none"> समृद्ध मलचिग सामग्रीहरू चरणहरूमा माटोको उचित ओस तह कायम राख्नुपर्दछ। कोल बालीहरू (cabbage, cauliflower and broccoli) मा त दिउसी वा बिहान सबै उठाउनु पर्छ। हल्का जरा बाली भएको कोल बालीमा माटो उठाएर लगाउनु पर्छ।

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 महिनाहरूमा 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 (32-33°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"> ❖ नहिना चार हल्हाहरूमा भानाराजा चल्लाहरू न्यानी अवस्थामा (३२-३३°C) राख्नहोस ❖ चिसो तनावको कारण कखराहरूको मृत्युलाई रोक्न कम गर्नको लागि सस्तो पशु प्पालन गृह बनाउन पछि। ❖ पशु पालन गृह तापमान कायम गर्नको लागि लगातार बिजली प्रयोग गर्नस र आपतकालिनको लागि सिगिरि अथवा ब्खारी प्रयोग गर्न सकिन्छ।

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

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

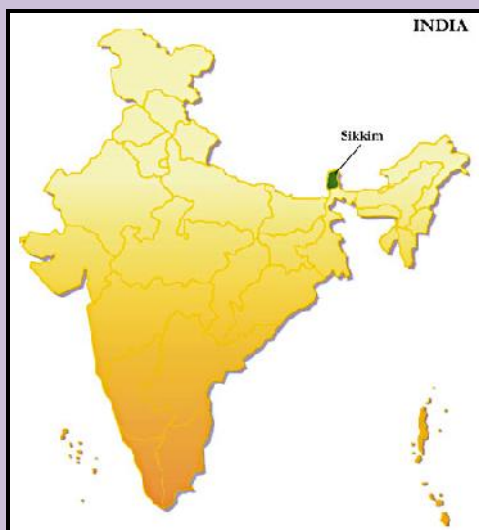


AGRO-MET ADVISORY BULLETIN FOR THE DISTRICT OF WEST SIKKIM

PERIOD:

22nd JANUARY to 26th JANUARY 2020

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



ISSUED ON 21st January 2020

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	22/01/2020	23/01/2020	24/01/2020	25/01/2020	26/01/2020
Rainfall (mm)	000	000	000	000	000
Max Temp (°C)	15	15	13	13	14
Min Temp (°C)	05	05	04	04	05
Sky condition	Generally cloudy	Partially clear	Generally cloudy	Generally cloudy	Generally cloudy
Max RH (%)	81	79	86	86	81
Min RH (%)	76	74	78	78	75
Wind Speed (Kmph)	004	004	003	003	004
Wind Direction (deg)	W	NW	W	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)
18-1-2020	002	16.0	07.5
19-1-2020	000	16.0	06.0
20-1-2020	000	15.3	03.9

Weather forecast valid up to 26th January 2020

- There is probability of no rainfall.
- Max temp may be varying from 13-15°C, whereas, Min temp may vary from 4-5°C
- Sky will remain generally cloudy.
- Max RH is likely to be 79-86 %, whereas, Min RH may vary from 74-78 %
- Wind speed may likely vary from 3-4 km/hr.
- Wind direction may blow from northwesterly.
- Weekly cumulative rainfall= 000.0 mm

AGRO-METEOROLOGICAL ADVISORIES

General Advisories for all the crops/ livestock

- ❖ Apply irrigation if temperature falls down below 4-5°C.
- ❖ If dry condition prevails on field for longer time, apply water keep the field moist.
- ❖ While selecting site for construction of animal shed a site that allows sun light exposure as well as good wind control is preferable.
- ❖ सिँचाई लागू गर्नुहोस् यदि तापक्रम ४-५ डिग्री सेल्सियस तल झरेपछि।
- ❖ यदि सुख्खा अवस्था लामो समयसम्म खेतमा रहन्छ भने पानी प्रयोग गर्नुहोस् खेतलाई चिसो राख्नुहोस्।
- ❖ 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>			
Potato	Vegetative stage		<ul style="list-style-type: none"> ■ As a rule, soil must keep wet but hardening or too wet condition must be avoided. ■ Irrigate the crop at 30-35 DAS and maintain the available soil moisture (ASM) at about 75 %. ■ To protect the potato from chilling injury apply light irrigation on it. ■ Spray Blitox @ 2.5 g/l at 7-10 days interval to control Late blight disease.
			<ul style="list-style-type: none"> ❖ एक तिगमको जग्गामा, माटो भिजेको हुनुपर्दछ तर कडा हुँदै छ वा धेरै भिजेको अवस्थाबाट टाढा रहनु पर्छ। ❖ ३०-३५ दिन बाद बालीमा सिँचाई गर्नुहोस् र उपलब्ध माटोको नमि (ASM) लाई ७५% मा कायम राख्नुहोस्। ❖ आललाई जारोबाट बचाउन यसमा हल्को सिँचाई लगाउनुहोस्। ❖ लेट ब्लाइट रोग नियन्त्रण गर्न ७-१० दिनको मध्यान्तरमा ब्लिटक्स @ २.५ ग/ल स्प्रे गर्नुहोस्।
Field pea	Pod formation		<ul style="list-style-type: none"> ■ Soil moisture should be maintained for good growth and yield. ■ One or two light and uniform irrigation should be given at flowering and fruiting stage.
			<ul style="list-style-type: none"> ❖ माटोको नमि राम्रो नै हुनु : उत्पादनको लागि कायम गर्नुपर्दछ। ❖ एक वा दुई हल्का र एकसमान सिँचाई फुल र फलफूल चरणमा दिनु पर्छ।
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			<p>beneficial.</p> <ul style="list-style-type: none"> In Sikkim condition mulching materials like maize stover and rice straw can be used to conserve soil moisture. For management of aphid, spray neem oil (1500 ppm) @ 4ml/l.
			<ul style="list-style-type: none"> फल फुल्न र मासुत्वा गर्दा चरणहरू सिचाईको लागि महत्त्वपूर्ण छ। त्यसोभए फल-फुलने र फल लाग्ने चरणमा देई सिचाई लाभदायक छन्। सिक्किमको अवस्थामा मकै को बोट (सकेको) र चामल पराल जस्ता मलचिग सामग्रीहरू माटोको ओस संरक्षण गर्ने प्रयोग गर्न सकिन्छ। एफिडको व्यवस्थापनका लागि, नीमको तेल (1500 पीपीएम) @ 4ml मिलि / एल स्प्रे गर्नहोस
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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.
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<i>Sh. Santanu Das</i>	SMS	Agril. Meteorology
<i>Miss Tirtha Kumari Chettri</i>	Met. Observer	Biochemistry