

ISSUED ON 18th February 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

Value Added forecast for NORTH-DISTRICT for next five days

Parameter/Date	19/02/2020	20/02/2020	21/02/2020	22/02/2020	23/02/2020
Rainfall (mm)	Very light rainfall	Light rainfall	Light rainfall	Very light rainfall	Light rainfall
Max Temp (⁰ C)	18	15	16	17	17
Min Temp (⁰ C)	10	08	08	09	09
Sky condition	Generally cloudy	Generally cloudy	Generally cloudy	Generally cloudy	Generally cloudy
Max RH (%)	90	93	92	90	91
Min RH (%)	70	82	75	72	75
Wind Speed (KmpH)	003	003	003	002	002
Wind Direction (deg)	SE	SE	S	Ε	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	Date Rainfall Max. Temp Min. Temp					
	(mm)	(°C)	(°C)			
15-2-2020	000	15.3	10.6			
16-2-2020	000	20.3	09.6			
17-2-2020	000	17.3	11.1			

- > There is probability of light rainfall on coming days.
- > Max temp may be varying from 15-18°C, whereas, Min temp may vary from 8-10°C
- > Sky will remain generally cloudy.
- > Max RH is likely to be 90-93%, whereas, Min RH may vary from 70-82 %
- > Wind speed may likely vary from 2-3 km/hr.
- > Wind direction may blow from southeasterly direction
- > Weekly cumulative rainfall= 025.0 mm

AGRO-METEREOLOGICAL ADVISORIES

General Advisories for all the crops/ livestock

Pod formation

Field pea

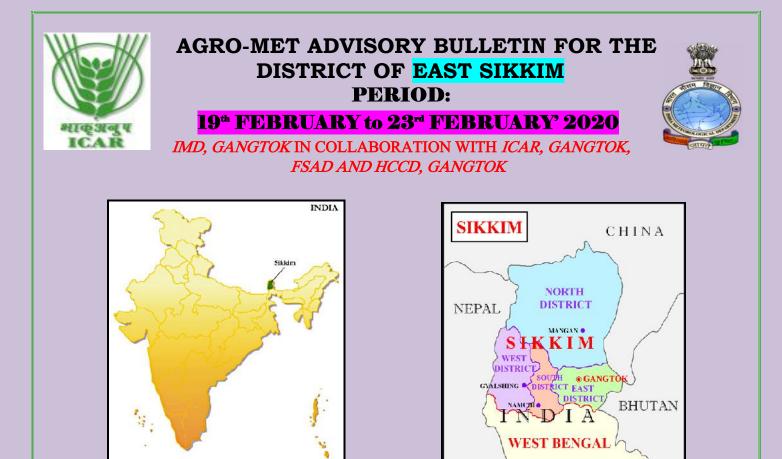
- Apply irrigation if temperature falls down below 4-5°C. If dry condition prevails on field for longer time, apply water keep the field moist. While selecting site for construction of animal shed a site that allows sun light exposure as well as good wind control is preferable.
 Suitable soil water conservation technique should be maintained at the field; however, secondary source of irrigation should be available for vegetable crops. 🖕 सिँचाइ लागु गर्नुहोस यदि तापक्रम ४-५ डिग्री सेल्सियस तल झरे पिछ। 🖕 यदि संख्खां अवस्था लामो समयसम्म खेतमा रहन्छ भने पानी प्रयोग गर्नुहोस् खेतलाई चिसो राखनहीस। 🖕 जनावेरहरूको निर्माणको लागि जगा छानदा सूर्य प्रकाशका साथै रामो हावा नियन्त्रन हुने हेर्नुस् 💶 ख़ेती मा पानी संरक्षण गरनुको लागि तकनिक गरेर राख्नुपर्छ; यद्यपि तरकारी बालीका लागि सिचाडको दोसो स्रोत उपलब्ध हन्पदछ। Cultural practices/ **Agro-Met Advisories** Name of the Stage crop/Animal **Pest/ Diseases** Agricultural and Horticultural crops: **S** As a rule, soil must keep wet but Potato Vegetative hardening or too wet condition must stage 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. At 40-45 DAS little hoeing / earthing up should be done. **Infected** plants with late blight disease must be destroyed as soon as detected. Spray Blitox @ 2.5 g/l at 7-10 days interval to control Late blight disease. नियमको 10 एक माटा भिजेको हुन्पर्दछ तर कडा हँदै छ वा धेरै भिजेको अवस्थाबाट टाढा रहन् पछे। दिन बाद बालीमा सिँचाइ 30--34 र उपलब्ध गर्नुहोस माटोको नमि लाई 64% मा कायम (ASM) राखनुहोस आल्लाई जारोबाट बचाउन यसमा हल्का सिंचाई लगाउनुहोस्। र्खनिमा ४०-४५दिनको बाद माटो उठाएर लगाउन परछ। लेटब्लइट रोग संक्रमित हून् बित्तिकै आलु पत्ता लाई नष्ट गर्दीन पर्दछ। लेट ब्लाईट रोग नियन्त्रण गर्न 7-10 दिनको मध्यान्तरमा ब्लिटक्स @ 2.5 g/1 स्प्रे गर्नहोस।
 - 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.
	-	बात गंगागु संदुट. माट्रोको नमि राम्रो ब्रांद्र उत्पादनको
		लागि कायम गर्नूपर्दछ। े एक वा दर्ड हल्का र एकसमान सिंचा
Depagood	Emiting	फूल र फलेफूल चरणमा दिन पर्छ। Flowering and siliqua formation
Rapeseed- Mustard/Toria	Fruiting	stages are critical for irrigation. S
Widstard/ 1011a		two irrigation at pre-bloom and po
		formation stage are beneficial. In Sikkim condition mulchin
		materials like maize stover and ric
		straw can be used to conserve so moisture.
		For management of aphid, spray neer
	-	oil (1500 ppm) @ 4ml/l.
		फूल फूल्ने र सिंग्लिक्वा गठन चरणहरू सिंचाडुको लागि महत्त्वपूर्ण छ।
		त्यसीभए फूल-फूलले. र. फ्रॅंस, न्यमने
		चरणमा दई सिंचाई लाभदायक छन्। - सिक्किमको अवस्थामा मकै को बो
		(सुकेक़ो) र चामल पराल जम्ब
		मुलचिंग सामग्रीहरू माटोको सरक्षण गर्न प्रयोग गर्न सकिन्छ।
		🖪 एफिडको व्यवस्थापनका लागि,न्प्रमुको
		तेल (1500 पीपीएम) @ 4ml मिले / एल स्प्रे गर्नहोस
Cole crops	Head formation	During head initiation of an
		development stages proper moistur
		level of soil should be maintained.Cole crops should be harvest either o
		afternoon or early in the morning.
		Being a shallow crops earthing u must be carried on cole crops.
	-	Avoid stagnant water in the field.
		प्रमुख पहलको क्रममा र विकार चरणहरूमा माटोको उचित ओस त
		कायम राख्न्पर्दछ।
		auliflower and broccoli)या त दिउस
		वा बिहान सबेरै उठाउून पर्छ।
		हल्का जरा बाली भएको कोल बालीमा माटो उठाएर लगाउन पर्छ।
		🖪 खेतमा ज़ामेको पानीलाई हटान्श।
Tomato	Fruiting	Strict monitoring of crop agains
		attack of late blight. Cover the crop during night to protect
		from frost.
		Apply irrigation at the base of plan whenever required.
		🖣 लेटब्लइट, आक्रमण, रोकनोको लगि
		नियन्त्रन रेख देख गर्नुस्। शीतबाट बचाउन रातमा बार्ल
		ढाक्नहोस।
		आवश्यकता अनुशार बिरुवाको फेदम सिंचाई प्रयोग गर्नुहोस।
	Anim	al Sciences and livestock management

Sheep/goat		:	During winter months special care should be taken for sheep, goat for external parasites.
		۵ 🔇	जाडो महिनाहरूमा भेडा र बाखा हरुलाई
		,	परजीवीहरू बाटा ब्चाउनु लागि विशेष
		1	ध्यान राख्नु पर्छ।
Poultry/chicken	 	(Keep the Vanaraja chicks in warm condition (32-33 [°] C) during the first four weeks.
		1	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.
			पहिलो चार हप्ताहरूमा भानाराजा चल्लाहरू न्यानो अवस्थामा (३२-३३०C) राख्नहोम
		- 7	राख्नूहोस चिसो तनावका कारण कुखराहरूको मृत्युलाई रोक्न कम गर्नुको लागि सस्तो
			पंश प्पालन गृह बनाउन् पर्छ। पश पालन गृह तापमान कायम गर्नको लागि लगातार बिजुली प्रयोग गर्नुस ८ आपतकालिनको लागि सिगिरि अथबा बुखारी
		1	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			



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Meteorological Sub-division of Sikkim

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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

Value Added forecast for EAST-DISTRICT for next five days

Parameter/Date	19/02/2020	20/02/2020	21/02/2020	22/02/2020	23/02/2020
Rainfall (mm)	Very light rainfall	Light rainfall	No rain	Very light rainfall	Light rainfall
Max Temp (⁰ C)	14	12	13	13	13
Min Temp (⁰ C)	09	07	07	07	08
Sky condition	Generally cloudy	Generally cloudy	Generally cloudy	Generally cloudy	Generally cloudy
Max RH (%)	90	92	90	90	92
Min RH (%)	70	80	70	70	72
Wind Speed (KmpH)	002	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	Date Rainfall Max. Temp Min. Temp					
	(mm)	(°C)	(°C)			
15-2-2020	001	11.7	08.0			
16-2-2020	000	15.3	07.8			
17-2-2020	000	13.7	08.4			

- > There is probability of very light rainfall on coming days.
- > Max temp may be varying from 12-14°C, whereas, Min temp may vary from 7-9°C
- > Sky will remain generally cloudy.
- > Max RH is likely to be 90-92%, whereas, Min RH may vary from 70-80 %
- >> Wind speed may likely vary from 2-3 km/hr.
- > Wind direction may blow from northeasterly direction
- > Weekly cumulative rainfall= 012.0 mm

AGRO-METEREOLOGICAL ADVISORIES

General Advisories for all the crops/ livestock

- 4 Apply irrigation if temperature falls down below $4-5^{\circ}$ C.
- 4 If dry condition prevails on field for longer time, apply water keep the field moist.
- **4** While selecting site for construction of animal shed a site that allows sun light exposure as well as good wind control is preferable.
- Suitable soil water conservation technique should be maintained at the field; however, secondary source of irrigation should be available for vegetable crops.
- 4 सिँचाइ लागू गर्नुहोस यदि तापक्रम ४-७ डिग्री सेल्सियस तल झरे पिछ।
- 4 यदि सुख्खा अवस्था लामो समयसम्म खेतमा रहन्छ भने पानी प्रय ग गर्नुहोस् खेतलाई चिसो राख्नुहोस्।
- 🖶 जनावरहरूको निर्माणको लागि जग़ा छानदा सूर्य प्रकाशका साथै राम्रो हावा नियन्त्रन हुने हेर्नुस् ।
- अंती मा पानी संरक्षण गरनुको लागि तकनिक गरेर राख्नुपर्छ; यद्यपि तरकारी बालीका लागि सिंचाइको दोस्रो स्रोत उपलब्ध हन्पर्दछ।

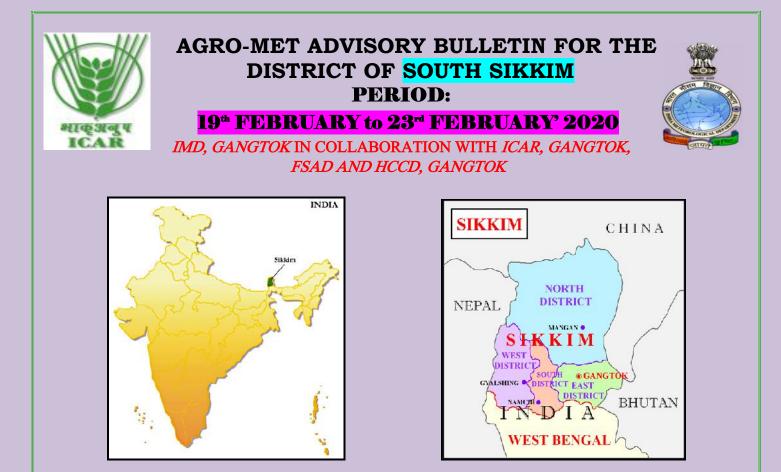
מוויי ומעוקאי גומו מות שמפע ציישיגטו					
Name of the	Stage	Cultural practices/	Agro-Met Advisories		
crop/Animal		Pest/ Diseases			
	Agric	ultural and Horticult	ural crops:		
Potato	Vegetative		■ As a rule, soil must keep wet but hardening or too wet condition must		
	stage		 Inright the crop at 30-35 DAS and maintain the available soil moisture (ASM) at about 75 %. To protect the potato from chilling injury apply light irrigation on it. At 40-45 DAS little hoeing / earthing up should be done. Infected plants with late blight disease must be destroyed as soon as detected. Spray Blitox @ 2.5 g/l at 7-10 days interval to control Late blight disease. 		
			 एक नियमको रू माटो भिजेको हुनपर्दछ तर कडा हँदै छ वा धेरै भिजेको अवस्थाबाट टाढा रहन् पर्छ। ३०३५ दिन बाद बालीमा सिँचाइ गर्नहोस र उपलब्ध माटोको नमि (ASM) लाई ७५% मा कायम राख्न्होस् आल्लाई जारोबाट बचाउन यसमा हल्का सिंचाई लगाउन्होस्। अल्लाई जारोबाट बचाउन यसमा हल्का सिंचाई लगाउन्होस्। ४०-४५दिनको बाद खेतिमा ३ उठाएर लगाउन परछ। लेटब्लइट रोग संक्रमित हन् बित्तिकै 		

		आल् पत्ता लाई नष्ट गरदीन पदेछ। २०२० व्लाइंट रोग नियन्त्रण गर्न २-१० दिनको मध्यान्तरमा ब्लिटक्स @ 2.5 g/l स्त्र should be mu
Field pea	Pod formation	 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. माटोको नॉमे रॉमो ब्रोदे र उत्पादनको लागि कायम गर्नुपर्दछ।
		एक वा दई हल्का र एकसमान सिंचाइ फूल र फलेफूल चरणमा दिन पर्छ।
Rapeseed- Mustard/Toria	Fruiting	 Flowering and siliqua formation stages are critical for irrigation. So two irrigation at pre-bloom and pod formation stage are beneficial. 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.
		 फूल फूल र मिलिक्वा गठन चरणहरू सिंचाइको लगि महत्त्वपूर्ण छ। त्यसाभए फूल-फूलने र फल लागने चुरूणमा दुई सिंचाई लाभदायुक छन्।
		 सिक्किमको अवस्थामा मकै को बोट (सूकेको) र चामल पराल जम्म मलचिंग सामग्रीहरू माटोको सरक्षण गर्न प्रयोग गर्न सकिन्छ। एफिडको व्यवस्थापनका लागि, की
		तेल (1500 पीपीएम) @ 4ml मिलि / एल स्प्रे गर्नुहोस् During boad in
Cole crops	Head formation	 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.
		Avoid stagnant water in the field. प्रमुख पहलको क्रममा र विकास चरणहरूमा माटोको उचित आस तब कायम राख्नुपर्दछ।
		auliflower and broccoli)या त दिउँसो वा बिहान सबरे उठाउून पूछ।
		 हल्का जरा बाली भएको कोल बालीमा माटो उठाएर लगाउन पर्छ। खेतमा जामेको पानीलाई हटानुश।
Tomato	Fruiting	 Strict monitoring of crop against attack of late blight. Cover the crop during night to protect
		from frost. Apply irrigation at the base of plant whenever required.
		 लेटब्लइट आकमण रोकनोको लगि नियन्त्रन रेख देख गर्नुस्। शीतबाट बचाउन रातमा बा^{लीलाई}
		4

			ढाक्न्होस्। • आवश्यकता अनुशार बिरुवाको फेदग सिंचाई प्रयोग गर्नुहोस।
	Animal Scie	ences and livestock man	nagement
Sheep/goat			During winter months special care should be taken for sheep, goat for external parasites.
		1	🕸 जाडो महिनाहरूमा भेडा र बाखा हरुलाई
			परजीवीहरू बाटा ब्चाउनु लागि विशेष ध्यान राख्नु पर्छ।
Poultry/chicken			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.
			पहिलो चार हप्ताहरूमा भानाराजा चल्लाहर न्याना अवस्थामा (३२-३३०C) प्राप्ताने प्राप्ता के प्रा के प्राप्ता के ज्या के प्राप्ता के प्राप्त
			राख्न्होस बिसो तनावका कारण क्खराहरूको मृत्युलाई रोक्न कम गर्नुको लगि सस्तो
			पंश प्पालन गृह बनाउन पछे। पश पालन गृह तापमान कायम गर्नको लागि लगातार बिजली प्रयोग गर्न्स (आपतकालिनको लागि सिगिरि अथबा बुखारी प्रयोग गर्न सकिन्छ।

Agro-Met Advísor	i member o	f ICAR-NO	FRI and KVK-	East Sikkim
5 191 0 5 100 5 100 1501				

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



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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

Value Added forecast for SOUTH-DISTRICT for next five days

Parameter/Date	19/02/2020	20/02/2020	21/02/2020	22/02/2020	23/02/2020
Rainfall (mm)	No rain	Very light rainfall	No rain	No rain	No rain
Max Temp (⁰ C)	19	16	17	18	17
Min Temp (⁰ C)	10	08	08	09	09
Sky condition	Generally cloudy	Generally cloudy	Generally cloudy	Generally cloudy	Generally cloudy
Max RH (%)	82	90	84	80	85
Min RH (%)	60	70	68	62	65
Wind Speed (KmpH)	002	002	003	002	002
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)	
15-2-2020	N/A	15.7	09.5	
16-2-2020	N/A	18.9	08.6	
17-2-2020	N/A	18.8	09.1	

- > There is probability of no rainfall on coming days.
- > Max temp may be varying from 16-19°C, whereas, Min temp may vary from 8-10°C
- > Sky will remain generally cloudy.
- > Max RH is likely to be 82-90%, whereas, Min RH may vary from 60-70 %
- >> Wind speed may likely vary from 2-3 km/hr.
- > Wind direction may blow from northeasterly direction
- > Weekly cumulative rainfall= 002.0 mm

AGRO-METEREOLOGICAL ADVISORIES

General Advisories for all the crops/ livestock

- 4 Apply irrigation if temperature falls down below $4-5^{\circ}$ C.
- 4 If dry condition prevails on field for longer time, apply water keep the field moist.
- **4** While selecting site for construction of animal shed a site that allows sun light exposure as well as good wind control is preferable.
- Suitable soil water conservation technique should be maintained at the field; however, secondary source of irrigation should be available for vegetable crops.
- 4 सिँचाइ लागू गर्नुहोस यदि तापक्रम ४-७ डिग्री सेल्सियस तल झरे पिछ।
- 4 यदि सुख्खा अवस्था लामो समयसम्म खेतमा रहन्छ भने पानी प्रयोग गर्नुहोस् खेतलाई चिसो राख्नुहोस्।
- 🖶 जनावरहरूको निर्माणको लागि जग़ा छानदा सूर्य प्रकाशका साथै राम्रो हावा नियन्त्रन हुने हेर्नुस् ।
- अंती मा पानी संरक्षण गरनुको लागि तकनिक गरेर राख्नुपर्छ; यद्यपि तरकारी बालीका लागि सिंचाइको दोस्रो स्रोत उपलब्ध हनुपर्दछ।

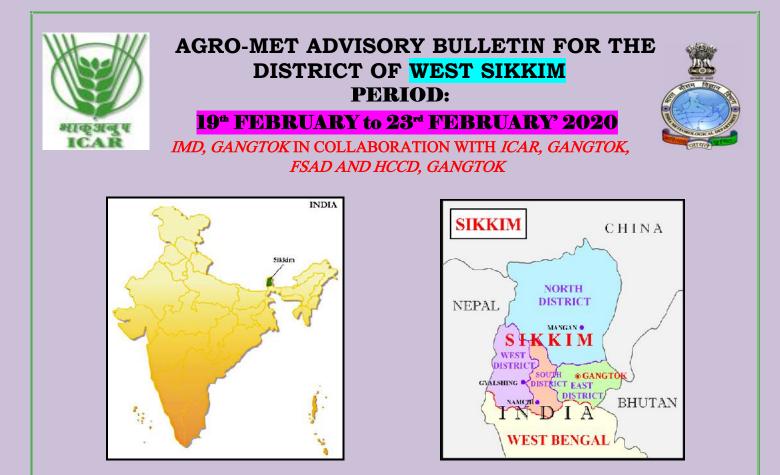
	लागि सियाइका दास्ना स्नात उपलब्ध हुनुपदछ।					
Name of the crop/Animal	Stage	Cultural practices/ Pest/ Diseases	Agro-Met Advisories			
	Agric	ultural and Horticult	ural crops:			
Potato	Vegetative stage		 As a rule, soil must keep wet but hardening or too wet condition must be avoided. Irrigate the crop 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. At 40-45 DAS little hoeing / earthing up should be done. Infected plants with late blight disease must be destroyed as soon as detected. Spray Blitox @ 2.5 g/l at 7-10 days interval to control Late blight disease. Ven नियमको रू माटो भिजेको हनपदछ तर कडा हॅंदै छ वा धेरे भिजेको अवस्थाबाट टाढा रहन् पछ। ३०३५ दिन बाद बालीमा सिँचाइ गर्नहोस र उपलब्ध माटोको नगि (ASM) लाई ७५% मा कायम राख्नहोस आल्लाई जारोबाट बचाउन यसमा हल्का सिंचाई लगाउन्होस। ४०-४५दिनको बाद खेतिमा २ उठाएर लगाउन परछ। 			
			लेटब्लइट रोग संक्रमित हन् बित्तिक			

		आलू पत्ता लाई नष्ट गरदीन पूर्दछ। २००० व्लाईट रोग नियन्त्रण गर्न २-१० दिनको मध्यान्तरमा ब्लिटक्स @ 2.5 g/l उस्प्र गर्नहोस।
Field pea	Pod formation	 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.
		 माटोको नॉमे रॉमो बंदि र उत्पादनको लागि कायम गर्नपर्दछ। एक वा दुई हल्का र एकसमान सिंचाइ
		फूल <u>र फलफूल चरणमा दिन पर्छ।</u>
Rapeseed- Mustard/Toria	Fruiting	 Flowering and siliqua formation stages are critical for irrigation. So two irrigation at pre-bloom and pod formation stage are beneficial. 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.
		सिंचाइको लागि महत्त्वपूर्ण छ। त्यसोभए फूल-फूल्स्ट्रे. र. फ्लू. न्स्राने, चुरुणमा दुई सिंचाई लाभदायुक छन्।
		सिक्किमको अवस्थामा मकै को बोट (सूकेको) र चामल पराल जम्म मलचिंग सामग्रीहरू माटोको अ संरक्षण गर्न प्रयोग गर्न सकिन्छ।
		एफिडको व्यवस्थापनका लागि, नीको
Cole crops	Head formation	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.
		Avoid stagnant water in the field. प्रमुख पहलको क्रममा र विकास चरणहरूमा माटोको उचित आस त कायम राख्नुपर्दछ।
		 कोल बालीह (cabbage. cauliflower and broccoli)या त दिउँसो वा बिहान सबेरे उठाउन पर्छ।
		 हल्का जरा बाली भएको कोल बालीमा मारो. उठाएर लगाउन पर्छ। खेतमा ज़ामेको पानीलाई हटानुश।
Tomato	Fruiting	 Strict monitoring of crop against attack of late blight.
		Cover the crop during night to protect from frost.Apply irrigation at the base of plant
		whenever required. ब लेटब्लइट आकमण रोकनोको लगि
		नियन्त्रन रेख देख गर्नुस्। • शीतबाट बचाउन रातमा बा ^{लीलाई}
		4

	दाक्नूहोस्। • आवश्यकता अनुशार बिरुवाको फेदम सिंचाई प्रयोग गर्नुहोस।
	Animal Sciences and livestock management
Sheep/goat	 During winter months special care should be taken for sheep, goat for external parasites.
	🗇 जाडो महिनाहरूमा भेडा र बाखा हरुलाई
	परजीवीहरू बाटा ब्चाउनु लागि विशेष ध्यान राख्नु पर्छ।
Poultry/chicken	 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.
	पहिलो चार हप्ताहरूमा भानाराजा चल्लाहरू न्यानो अवस्थामा (३२-३३०C) राखनुहोस
	 चिंसो तनावका कारण क्खराहरूको मृत्युलाई रोक्न कम गर्नुको लगि सस्तो पश प्पालन गृह बनाउन पर्छ। पश पालन गृह तापमान कायम गर्नुको लगि लगातार बिजुली प्रयोग गर्नुस (आपतकालिनको लगि सिगिरि अथबा ब्खारी प्रयोग गर्न सकिन्छ।

Agro-Met Advísor	i member o	f ICAR-NO	FRI and KVK-	East Síkkím

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



ISSUED ON 18th February 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

Value Added forecast for WEST-DISTRICT for next five days

Parameter/Date	19/02/2020	20/02/2020	21/02/2020	22/02/2020	23/02/2020
Rainfall (mm)	Very light rainfall	Light rainfall	No rain	No rain	Light rainfall
Max Temp (⁰ C)	17	15	16	17	16
Min Temp (⁰ C)	09	07	07	07	08
Sky condition	Generally cloudy	Generally cloudy	Generally cloudy	Generally cloudy	Generally cloudy
Max RH (%)	90	92	90	88	90
Min RH (%)	65	80	75	65	70
Wind Speed (KmpH)	003	003	003	003	003
Wind Direction (deg)	NW	NW	NW	NW	NW

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

Weather for preceding week				
Date	Rainfall	Max. Temp	Min. Temp	
	(mm)	(°C)	(°C)	
15-2-2020	000	12.7	08.4	
16-2-2020	N/A	17.6	07.8	
17-2-2020	N/A	16.4	08.9	

- >> There is probability of light rainfall on coming days.
- > Max temp may be varying from 15-17°C, whereas, Min temp may vary from 7-9°C
- > Sky will remain generally cloudy.
- >> Max RH is likely to be 88-92 %, whereas, Min RH may vary from 65-80 %
- >> Wind speed may likely 3 km/hr.
- > Wind direction may blow from northwesterly.
- > Weekly cumulative rainfall= 007.0 mm

<u>AGRO-METEREOLOGICAL ADVISORIES</u>

General Advisories for all the crops/livestock

- 4 Apply irrigation if temperature falls down below 4-5°C.
- 4 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.
- Suitable soil water conservation technique should be maintained at the field; however, secondary source of irrigation should be available for vegetable crops.
- 🖶 सिँचाइ लागू गर्नुहोस यदि तापक्रम ४-७ डिग्री सेल्सियस तल झरे पिछ।
- 4 यदि सुख्खा अवस्था लामो समयसम्म खेतमा रहन्छ भने पानी प्रयोग गर्नुहोस् खेतलाई चिसो राख्नुहोस्।
- 🖶 जनावरहरूको निर्माणको लागि जग़ा छानदा सूर्य प्रकाशका साथै राम्रो हावा नियन्त्रन हुने हेर्नुस् ।
- 4 खेती मा पानी संरक्षण गरनुको लागि तकनिक गरेर राख्नुपर्छ; यद्यपि तरकारी बालीका लागि सिंचाइको दोस्रो स्रोत उपलब्ध हुनुपर्दछ।

	33				
Name of the	Stage	Cultural practices/	Agro-Met Advisories		
crop/Animal		Pest/ Diseases			
	1 dria	ultural and Hartiaultu	ural arapa		
	Agric	ultural and Horticultu	ital Clups.		
Potato	Vegetative		As a rule, soil must keep wet but hardening or too wet condition must		
	stage		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. At 40-45 DAS little hoeing / earthing		
			up should be done.		
			Infected plants with late blight		
			disease must be destroyed as soon as detected.		
			Spray Blitox @ 2.5 g/l at 7-10 days		
			interval to control Late blight disease.		
			एक नियमको रूँ. माटो भिजेको हुन्पर्दछ तर कडा हँदै छ वा		
			धेरै भिजेको अवस्थाबाट टाढा रहन्		
			पछे। ३०३५ दिन बाद बालीमा सिँचाड		
			गर्नुहोस र उपलब्ध माटोको नगि		
			(ASM) लाई ७५% मा कायम राख्नुहोस्		
			🔷 आलूलाई, ज़ारोबाट, बचाउन, यसमा		
			हल्का सिंचाई लगाउन्होस्। 🔷 ४०-४५दिनको बाद खेतिमा मार		
			अविकास कार्य कार्यना कार्य उठाएर लगाउन परछ।		
			🔷 लेटब्लइट रोग संक्रमित हन बित्तिकै		
			आल् पंत्ता लाई नष्ट गरदीन् पर्दछ।		
			3		

		 लेट ब्लाइंट रोग नियन्त्रण गर्न 7-10 दिनको मध्यान्तरमा ब्लिटक्स @ 2.5 g/l:स्प्रे गर्नुहोस्।
Field pea	Pod formation	@ 2.5 g/l:स्प्रे गर्नहोस। ■ Soil moisture should be maintained for
	1 0 0 10111001011	good growth and yield.
		• One or two light and uniform
		irrigation should be given at flowering
		and fruiting stage.
		लगि कायम गर्नपर्दछ।
		एक वा दुई हल्का र एकसमान सिंचाइ फूल र फलफूल चरणमा दिन पर्छ।.
Rapeseed-	Fruiting	Flowering and siliqua formation
Mustard/Toria		stages are critical for irrigation. So
		two irrigation at pre-bloom and pod formation stage are beneficial.
		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.
		सिंचाडुको लागि महत्त्वपूर्ण छ।
		त्यसोभए फूल-फूलने र फूल लागुने
		चरणमा दुई सिंचाई लाभदायक छन्।
		(सकेको) र चामल पराल जन
		मेलेचिंग सामग्रीहरू माटोको ओस
		संरक्षण गर्न प्रयोग गर्न सकिन्छ।
		एफिडको व्यवस्थापनका लगि, नीमक तेल (1500 पीपीएम) @ 4ml मिलि /
		तल (1300 पापारन) ख 4mm नल / एल स्प्रे गर्नुहोस्
Cole crops	Head formation	■ 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.
		Avoid stagnant water in the field.
		प्रमुख पहलको क्रममा र विकास नगणद्र प्रायोको उनिन अपेग नग
		चरणहरूमा माटोको उचित ओस तः कायम राख्नुपर्दछ।
		🖪 कोल बाली। (cabbage.
		cauliflower and broccoli) या त दिउसो
		वा बिहान सबेरै उठाउन पर्छ। - हल्का जरा बाली भएको कोल बालीमा
		मारो उठाएर लगाउन् पर्छ।
		🖪 खेतमा ज़ामेको पानीलाई हटानुश।
Tomato	Fruiting	Strict monitoring of crop against
		attack of late blight.
		Cover the crop during night to protect from frost.
		Apply irrigation at the base of plant
		whenever required.
		 लेटब्लइट आकमण रोकनोको लागि नियन्त्रन रेख देख गर्नुस्।
		शीतबाट बचाउन रातमा बाले ^{ढाक्न्न्} होस।
		<u>and 1</u> 8141

	आवश्यकता अनुशार बिरुवा सिंचाई प्रयोग गर्नुहोस।	को फेदम
	Animal Sciences and livestock management	
Sheep/goat	During winter months specified	
	should be taken for sheep,	goat for
	external parasites.	
	🔷 जाडो महिनाहरूमा भेडा र बा	ख़ा हरुलाई
	परजीवीहरू बाटा ब्चाउनु ला	गি विशेष
	ध्यान राख्नु पर्छ।	
Poultry/chicken	♦ Keep the Vanaraja chicks	in warm
	condition (32-33 ⁰ C) during four weeks.	the first
	♦ Low cost brooder should be	e made to
	prevent chick mortality du	
	stress.	
		mperature
	through continuous electric and for emergency Sigiri/Bu	
	be used.	ikilari cali
	🔷 पहिलों चार ्हप्ताहरूमा	भानाराजा
	चल्लाहरू न्यानी अवस्थामा (३२-३३०C)
	राख्न्होस 🔷 चिसो <i>तू</i> नावका कारण व्	्याराहरूको
	मृत्युलाई रोकन कम गर्नुको ल	त्रगि सस्तो
	पंश प्पालन गह बनाउन पछे।	
	🔷 पशु पालन गृह तापमान कार	रम गृनेको
	लाग लगातार बिजुला प्रयोग भागवस्त्रिवन्ते वर्णि प्रिणी भा	गन्स र
	पशे पालन गृह तापमान कार लागि लगातार बिजुली प्रयोग आपतकालिनको लागि सिंगिरि अध प्रयोग गर्न सकिन्छ।	નેવા વૈજ્ઞારા

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