

ICAR Research Complex for NEH Region, Arunachal Pradesh Centre
West Siang, Basar – 791 101



## (Changlang)

No:-75/2013-14/Fri Dated: 24<sup>th</sup> January, 2014

## Weather during the period

- Rainfall: -
  - Changlang –NA
  - Miao –NA

New born

#### **Weather Forecast**

- Rainfall: Clear/sunny/dry weather-next 3-4 days with occasional cloudy sky & cold morning fcst.
- <u>Temperature</u> The temperature is likely to be in the range of 10-26°C
- **Relative Humidity** The RH is likely to be in the range of 16-60%.

## Weather Based Agro-meteorological Advisories Bulletin

Crop	Stage	Pest/Disease	Precautionary Practices to be followed
•		VI	EGETABLE CROPS
French bean	Sowing	Cut worm	Sowing of good quality treated seeds may be done.
			Monitor seedlings against attack of cut worm.
			• Soil drenching with Chlorpyriphos 20EC@2 ml/litre of
			water
			<ul> <li>Manual picking of larvae in the dusk hours,</li> </ul>
			FIELD CROPS
Potato/	Tuber	Aphid	• Harvest mature crop,
Tomato	formation/	Ret Ant	• For aphid management, spray Dimethoate 30EC (
	Maturity/		3m1/litre of water,
	Harvest		• For ret ant, soil drenching with Chlorpyriphos 20 EC @
			2ml/litre of water is advised. Granular Chlorpyriphos ma
	<del></del>		also be applied.
Mustard	Flowering/	Aphid	• Spray Dimethoate 30EC @ 3ml/litre of water during th
	Pod formation		afternoon hours is advised so that pollinators are no
Maize			harmed.
Maize	Land preparation		• Land preparation for sowing of upland early crop of maiz
	preparation		may be done,
			Deep ploughing,  Apply well decomposed EVM or durg.
			Apply well decomposed FYM or dung      Drawing good quality contified goods
Pea	Pod	Rat	Procure good quality certified seeds,  Lies of least method of rat control may be followed.
1 Ca	formation	Kat	• Use of local method of rat control may be followed,  If damage is high use Zing phosphide boit in wheat floor
	Maturity/	Powdery	<ul> <li>If damage is high, use Zinc phosphide bait in wheat floor,</li> <li>Spraying of Sulfax @ 3gram per litre of water is advised,</li> </ul>
	Harvest	mildew	• Spraying of Sulfax @ 3gram per litre of water is advised,
		Rust	• Spraying of Thiovit @ 3 ml/litre of water,
			FRUIT CROPS
Khasi	Harvest/	Trunk borer	Base drenching with Dichlorvos @ 4ml/litre of water,
Mandarin	Post harvest		Prune the diseased portion of the plant and thereafter apply
			Blitox (50WP)/Bordeaux paste,
			• In present weather conditions regularly collect and dispose
			off fallen fruits to reduce fruit fly population,
			<ul> <li>Cleaning of lichens/mosses using gunny bag gently,</li> </ul>
Banana	All stages	Banana	Swabbing with Malathion/Chlorpyriphos,
		Pseudostem	
		borer	
	T	LIVESTOC	KS and VETERINARY ASPECT
Livestock	Stage	Disease	Precautionary Practices to be followed
Poultry	All stages		<ul> <li>Provide anti coccideal drugs on priority basis,</li> </ul>
			• Newly born chicks-Provide heat source/limit ventilation,
			Schedule vaccination should be followed,
			Check litter material,
Pigs	All stages		• Provide heat source to the newly born piglets,

Avoid dampening of bedding material,

Cattle	All stages	Poisonous weeds	•	Deworming/vaccinations As green feeds supply will decrease, provide quality feeds, Check poisonous weeds in collected fodder Cook the feed,
Fish	All stages		•	Maintain adequate water level in the pond,
			•	Decrease the quantity of feed due to low activities or else provide feed in the warm hours,

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Contact: - IAAS.BASAR@gmail.com, Phone Number: - 03795-226247/37, -96 (Fax)



Pigs

All stages

New born

# **Integrated Agro-Meteorological Advisory Services**

ICAR Research Complex for NEH Region, Arunachal Pradesh Centre
West Siang, Basar – 791 101



## (Dibang Valley)

No:-75/2013-14/Fri Dated: 24<sup>th</sup> January, 2014

## Weather during the period

- Rainfall: -
  - Roing –NA
  - Anini NA

### **Weather Forecast**

- Rainfall: Clear/sunny/dry weather-next 3-4 days with occasional cloudy sky & foggy/cold morning fcst. Light showers may be there at few places.
- <u>Temperature</u> Temperature will vary between 6-22°C.
- Relative Humidity The RH is likely to be in the range of 23-98 %.

### Weather Based Agro-meteorological Advisories Bulletin

	<u>Weat</u>	<u>her Based Agro</u>	o-meteorological Advisories Bulletin
Crop	Stage	Pest/Disease	Precautionary Practices to be followed
French bean	Sowing	Cut worm	<ul> <li>Sowing of good quality treated seeds may be done.</li> <li>Monitor seedlings against attack of cut worm.</li> <li>Soil drenching with Chlorpyriphos 20EC@2 ml/litre of water</li> <li>Manual picking of larvae in the dusk hours,</li> </ul>
			FIELD CROPS
Potato/ Tomato	Tuber formation/ Maturity/ Harvest	Aphid Ret Ant	<ul> <li>Harvest mature crop,</li> <li>For aphid management, spray Dimethoate 30EC @ 3ml/litre of water,</li> <li>For ret ant, soil drenching with Chlorpyriphos 20 EC @ 2ml/litre of water is advised. Granular Chlorpyriphos may also be applied.</li> </ul>
Mustard	Flowering/ Pod formation	Aphid	• Spray Dimethoate 30EC @ 3ml/litre of water during the afternoon hours is advised so that pollinators are not harmed.
Maize	Land preparation		<ul> <li>Land preparation for sowing of upland early crop of maize may be done,</li> <li>Deep ploughing,</li> <li>Apply well decomposed FYM or dung</li> <li>Procure good quality certified seeds,</li> </ul>
Pea	Pod formation Maturity/ Harvest	Rat Powdery mildew Rust	<ul> <li>Use of local method of rat control may be followed,</li> <li>If damage is high, use Zinc phosphide bait in wheat floor,</li> <li>Spraying of Sulfax @ 3gram per litre of water is advised,</li> <li>Spraying of Thiovit @ 3 ml/litre of water,</li> </ul>
			FRUIT CROPS
Khasi Mandarin	Harvest/ Post harvest	Trunk borer	<ul> <li>Base drenching with Dichlorvos @ 4ml/litre of water,</li> <li>Prune the diseased portion of the plant and thereafter apply Blitox (50WP)/Bordeaux paste,</li> <li>In present weather conditions regularly collect and dispose off fallen fruits to reduce fruit fly population,</li> <li>Cleaning of lichens/mosses using gunny bag gently,</li> </ul>
Banana	All stages	Banana Pseudostem borer	Swabbing with Malathion/Chlorpyriphos,
Pineapple	Maturity	Rat	Apply Zinc Phosphide bait,
		LIVESTO	CKS and VETERINARY ASPECT
Livestock	Stage	Disease	Precautionary Practices to be followed
Poultry	All stages		<ul> <li>Provide anti coccideal drugs on priority basis,</li> <li>Newly born chicks-Provide heat source/limit ventilation,</li> <li>Schedule vaccination should be followed,</li> <li>Check litter material,</li> </ul>
D'	A 11	1	

Provide heat source to the newly born piglets,

Avoid dampening of bedding material,

Cattle	All stages	Poisonous weeds	<ul> <li>Deworming/vaccinations</li> <li>As green feeds supply will decrease, provide quality feeds,</li> <li>Check poisonous weeds in collected fodder</li> <li>Cook the feed,</li> </ul>
Fish	All stages		<ul> <li>Maintain adequate water level in the pond,</li> <li>Decrease the quantity of feed due to low activities or else provide feed in the warm hours,</li> </ul>

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## (East Kameng)

No:-75/2013-14/Fri
Weather during the period

Dated: 24th January, 2014

#### Rainfall: -

• Seppa -NA

#### **Weather Forecast**

- Rainfall: Clear/sunny/dry weather-next 3-4 days with occasional cloudy sky & foggy/cold morning fcst.Light showers may be there at few places.
- <u>Temperature</u> The temperature is likely to be in the range of 5-19 °C.
- Relative Humidity The RH is likely to be in the range of 40-100 %.

#### Weather Based Agro-meteorological Advisories Bulletin

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Crop	Stage	Pest/Disease	Precautionary Practices to be followed			
		V	EGETABLE CROPS			
French bean	Sowing	Cut worm	<ul> <li>Sowing of good quality treated seeds may be done.</li> <li>Monitor seedlings against attack of cut worm.</li> <li>Soil drenching with Chlorpyriphos 20EC@2 ml/litre of water</li> <li>Manual picking of larvae in the dusk hours,</li> <li>FIELD CROPS</li> </ul>			
Potato/	Tuber	ال الماس ٨				
Tomato	formation/ Maturity/ Harvest	Aphid Ret Ant	<ul> <li>Harvest mature crop,</li> <li>For aphid management, spray Dimethoate 30EC @ 3ml/litre of water,</li> <li>For ret ant, soil drenching with Chlorpyriphos 20 EC @ 2ml/litre of water is advised. Granular Chlorpyriphos may also be applied.</li> </ul>			
Mustard	Flowering/ Pod formation	Aphid	• Spray Dimethoate 30EC @ 3ml/litre of water during the afternoon hours is advised so that pollinators are not harmed.			
Maize	Land preparation		<ul> <li>Land preparation for sowing of upland early crop of maize may be done,</li> <li>Deep ploughing,</li> <li>Apply well decomposed FYM or dung</li> <li>Procure good quality certified seeds,</li> </ul>			
Pea	Pod formation Maturity/ Harvest	Rat Powdery mildew Rust	<ul> <li>Use of local method of rat control may be followed,</li> <li>If damage is high, use Zinc phosphide bait in wheat floor,</li> <li>Spraying of Sulfax @ 3gram per litre of water is advised,</li> <li>Spraying of Thiovit @ 3 ml/litre of water,</li> <li>FRUIT CROPS</li> </ul>			
Khasi Mandarin	Harvest/ Post harvest	Trunk borer	<ul> <li>Base drenching with Dichlorvos @ 4ml/litre of water,</li> <li>Prune the diseased portion of the plant and thereafter apply Blitox (50WP)/Bordeaux paste,</li> <li>In present weather conditions regularly collect and dispose off fallen fruits to reduce fruit fly population,</li> <li>Cleaning of lichens/mosses using gunny bag gently,</li> </ul>			
Banana	All stages	Banana Pseudostem borer	Swabbing with Malathion/Chlorpyriphos,			
Pineapple	Maturity	Rat	Apply Zinc Phosphide bait,			
Kiwi	Post harvest stage	Beetle Tussock moth caterpillar	opinying with Comorphou,			
	LIVESTOCKS and VETERINARY ASPECT					
Livestock	Stage	Disease	Precautionary Practices to be followed			
Poultry	All stages		<ul> <li>Provide anti coccideal drugs on priority basis,</li> </ul>			

Newly born chicks-Provide heat source/limit ventilation,

			Schedule vaccination should be followed,
			• Check litter material,
Pigs	All stages		Provide heat source to the newly born piglets,
	New born		<ul> <li>Avoid dampening of bedding material,</li> </ul>
Cattle	All stages	Poisonous	Deworming/vaccinations
		weeds	• As green feeds supply will decrease, provide quality feeds,
			Check poisonous weeds in collected fodder
			Cook the feed,
Fish	All stages		Maintain adequate water level in the pond,
			• Decrease the quantity of feed due to low activities or else provide feed in the warm hours,

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West Siang, Basar – 791 101



### (East Siang)

<u>No:-75/2013-14/Fri</u> <u>Dated: 24<sup>th</sup> January, 2014</u>

## Weather during the period

Maximum temperature: NAMinimum Temperature: NA

• Rainfall:

Pasighat – NA

• Relative humidity (%): NA

### **Weather Forecast**

- Rainfall Clear/sunny/dry weather-next 3-4 days with occasional cloudy sky & cold morning fcst.
- <u>Temperature</u> Temperature will vary between 14-27°C
- Relative Humidity The RH is likely to be in the range of 28-88 %.

### Weather Based Agro-meteorological Advisories Bulletin

Crop	Stage	Pest/Disease	Precautionary Practices to be followed
•	3		EGETABLE CROPS
French bean	Sowing	Cut worm	<ul> <li>Sowing of good quality treated seeds may be done.</li> <li>Monitor seedlings against attack of cut worm.</li> <li>Soil drenching with Chlorpyriphos 20EC@2 ml/litre of water</li> <li>Manual picking of larvae in the dusk hours,</li> <li>FIELD CROPS</li> </ul>
Potato/ Tomato	Tuber formation/ Maturity/ Harvest	Aphid Ret Ant	<ul> <li>Harvest mature crop,</li> <li>For aphid management, spray Dimethoate 30EC @ 3ml/litro of water,</li> <li>For ret ant, soil drenching with Chlorpyriphos 20 EC @ 2ml/litre of water is advised. Granular Chlorpyriphos may also be applied.</li> </ul>
Mustard	Flowering/ Pod formation	Aphid	• Spray Dimethoate 30EC @ 3ml/litre of water during the afternoon hours is advised so that pollinators are not harmed.
Maize	Land preparation		<ul> <li>Land preparation for sowing of upland early crop of maize may be done,</li> <li>Deep ploughing,</li> <li>Apply well decomposed FYM or dung</li> </ul>
	D 1	<b>.</b>	Procure good quality certified seeds,
Pea	Pod formation Maturity/ Harvest	Rat Powdery mildew	<ul> <li>Use of local method of rat control may be followed,</li> <li>If damage is high, use Zinc phosphide bait in wheat floor,</li> <li>Spraying of Sulfax @ 3gram per litre of water is advised,</li> </ul>
		Rust	• Spraying of Thiovit @ 3 ml/litre of water,
TZ1 '			FRUIT CROPS
Khasi Mandarin	Harvest/ Post harvest	Trunk borer	<ul> <li>Base drenching with Dichlorvos @ 4ml/litre of water,</li> <li>Prune the diseased portion of the plant and thereafter apply Blitox (50WP)/Bordeaux paste,</li> <li>In present weather conditions regularly collect and dispose off fallen fruits to reduce fruit fly population,</li> <li>Cleaning of lichens/mosses using gunny bag gently,</li> </ul>
Banana	All stages	Banana Pseudostem borer	Swabbing with Malathion/Chlorpyriphos,
Pineapple	Maturity	Rat	Apply Zinc Phosphide bait,
Kiwi	Post harvest stage	Beetle Tussock moth caterpillar	opinying with Comorphou,
		, , , , , , , , , , , , , , , , , , , ,	CKS and VETERINARY ASPECT
<b>Livestock</b> Poultry	Stage All stages	Disease	<ul> <li>Precautionary Practices to be followed</li> <li>Provide anti coccideal drugs on priority basis,</li> </ul>

Newly born chicks-Provide heat source/limit ventilation,

Pigs	All stages		<ul> <li>Schedule vaccination should be followed,</li> <li>Check litter material,</li> <li>Provide heat source to the newly born piglets,</li> </ul>
00	New born		<ul> <li>Avoid dampening of bedding material,</li> </ul>
Cattle	All stages	Poisonous weeds	<ul> <li>Deworming/vaccinations</li> <li>As green feeds supply will decrease, provide quality feeds,</li> <li>Check poisonous weeds in collected fodder</li> <li>Cook the feed,</li> </ul>
Fish	All stages		<ul> <li>Maintain adequate water level in the pond,</li> <li>Decrease the quantity of feed due to low activities or else provide feed in the warm hours,</li> </ul>

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West Siang, Basar – 791 101



## (Lohit)

<u>No:-75/2013-14/Fri</u> <u>Dated: 24<sup>th</sup> January, 2014</u>

# Weather during the period

- Rainfall: -
  - Tezu NA
  - Namsai NA

#### **Weather Forecast**

- Rainfall: Clear/sunny/dry weather-next 3-4 days with occasional cloudy sky & cold morning fcst.
- <u>Temperature</u> –The temperature is likely to be in the range of 8-25 °C.
- Relative Humidity The RH is likely to be in the range of 17-87 %.

Crop	Stage	Pest/Disease	Precautionary Practices to be followed
		VI	EGETABLE CROPS
French bean	Sowing	Cut worm	<ul> <li>Sowing of good quality treated seeds may be done.</li> <li>Monitor seedlings against attack of cut worm.</li> <li>Soil drenching with Chlorpyriphos 20EC@2 ml/litre of water</li> <li>Manual picking of larvae in the dusk hours,</li> </ul>
Datata /	T1	A1. • 1	FIELD CROPS
Potato/ Tomato	Tuber formation/ Maturity/ Harvest	Aphid Ret Ant	<ul> <li>Harvest mature crop,</li> <li>For aphid management, spray Dimethoate 30EC @ 3ml/litre of water,</li> <li>For ret ant, soil drenching with Chlorpyriphos 20 EC @ 2ml/litre of water is advised. Granular Chlorpyriphos may also be applied.</li> </ul>
Mustard	Flowering/ Pod formation	Aphid	• Spray Dimethoate 30EC @ 3ml/litre of water during the afternoon hours is advised so that pollinators are not harmed.
Maize	Land preparation		<ul> <li>Land preparation for sowing of upland early crop of maize may be done,</li> <li>Deep ploughing,</li> <li>Apply well decomposed FYM or dung</li> <li>Procure good quality certified seeds,</li> </ul>
Pea	Pod formation Maturity/ Harvest	Rat Powdery mildew Rust	<ul> <li>Use of local method of rat control may be followed,</li> <li>If damage is high, use Zinc phosphide bait in wheat floor,</li> <li>Spraying of Sulfax @ 3gram per litre of water is advised,</li> </ul>
		Rust	FRUIT CROPS
Khasi Mandarin	Harvest/ Post harvest	Trunk borer	<ul> <li>Base drenching with Dichlorvos @ 4ml/litre of water,</li> <li>Prune the diseased portion of the plant and thereafter apply Blitox (50WP)/Bordeaux paste,</li> <li>In present weather conditions regularly collect and dispose off fallen fruits to reduce fruit fly population,</li> <li>Cleaning of lichens/mosses using gunny bag gently,</li> </ul>
Banana	All stages	Banana Pseudostem borer	Swabbing with Malathion/Chlorpyriphos,
	•		KS and VETERINARY ASPECT
Livestock	Stage	Disease	Precautionary Practices to be followed
Poultry	All stages		<ul> <li>Provide anti coccideal drugs on priority basis,</li> <li>Newly born chicks-Provide heat source/limit ventilation,</li> <li>Schedule vaccination should be followed,</li> <li>Check litter material,</li> </ul>
Pigs	All stages New born		<ul> <li>Provide heat source to the newly born piglets,</li> <li>Avoid dampening of bedding material,</li> </ul>

Cattle	All stages	Poisonous weeds	•	Deworming/vaccinations As green feeds supply will decrease, provide quality feeds, Check poisonous weeds in collected fodder Cook the feed,
Fish	All stages		•	Maintain adequate water level in the pond,
			•	Decrease the quantity of feed due to low activities or else provide feed in the warm hours,

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West Siang, Basar – 791 101



## (Lower Subansiri)

No:-75/2013-14/Fri Dated: 24<sup>th</sup> January, 2014

### Weather during the period

• Rainfall: -

1. Ziro – NA

#### **Weather Forecast**

- <u>Rainfall</u> Clear/sunny/dry weather-next 3-4 days with occasional cloudy sky & foggy/cold morning fcst. Light showers may be there at few places.
- <u>Temperature</u> The temperature is likely to be in the range of 7-18°C.
- Relative Humidity The RH is likely to be in the range of 40-96 %.

#### Weather Based Agro-meteorological Advisories Bulletin

Crop	Stage	Pest/Disease	Precautionary Practices to be followed
•		V	EGETABLE CROPS
French bean	Sowing	Cut worm	<ul> <li>Sowing of good quality treated seeds may be done.</li> <li>Monitor seedlings against attack of cut worm.</li> <li>Soil drenching with Chlorpyriphos 20EC@2 ml/litre of water</li> <li>Manual picking of larvae in the dusk hours,</li> </ul>
	1		FIELD CROPS
Potato/ Tomato	Tuber formation/ Maturity/ Harvest	Aphid Ret Ant	<ul> <li>Harvest mature crop,</li> <li>For aphid management, spray Dimethoate 30EC @ 3ml/litre of water,</li> <li>For ret ant, soil drenching with Chlorpyriphos 20 EC @ 2ml/litre of water is advised. Granular Chlorpyriphos may also be applied.</li> </ul>
Mustard	Flowering/ Pod formation	Aphid	• Spray Dimethoate 30EC @ 3ml/litre of water during the afternoon hours is advised so that pollinators are not harmed.
Maize	Land preparation		<ul> <li>Land preparation for sowing of upland early crop of maize may be done,</li> <li>Deep ploughing,</li> <li>Apply well decomposed FYM or dung</li> <li>Procure good quality certified seeds,</li> </ul>
Pea	Pod formation Maturity/ Harvest	Rat Powdery mildew Rust	<ul> <li>Use of local method of rat control may be followed,</li> <li>If damage is high, use Zinc phosphide bait in wheat floor,</li> <li>Spraying of Sulfax @ 3gram per litre of water is advised,</li> <li>Spraying of Thiovit @ 3 ml/litre of water,</li> </ul>
			FRUIT CROPS
Khasi Mandarin	Harvest/ Post harvest	Trunk borer	<ul> <li>Base drenching with Dichlorvos @ 4ml/litre of water,</li> <li>Prune the diseased portion of the plant and thereafter apply Blitox (50WP)/Bordeaux paste,</li> <li>In present weather conditions regularly collect and dispose off fallen fruits to reduce fruit fly population,</li> <li>Cleaning of lichens/mosses using gunny bag gently,</li> </ul>
Banana	All stages	Banana Pseudostem borer	Swabbing with Malathion/Chlorpyriphos,
Pineapple	Maturity	Rat	Apply Zinc Phosphide bait,
Kiwi	Post harvest stage	Beetle Tussock moth caterpillar LIVESTOC	<ul> <li>Malathion dusting,</li> <li>Spraying with Quinolphos,</li> </ul> KS and VETERINARY ASPECT
Livestock	Stage	Disease	Precautionary Practices to be followed
Poultry	All stages	Discuse	<ul> <li>Provide anti coccideal drugs on priority basis,</li> <li>Newly born chicks-Provide heat source/limit ventilation,</li> </ul>

• Schedule vaccination should be followed,

			•	Check litter material,
Pigs	All stages		•	Provide heat source to the newly born piglets,
	New born		•	Avoid dampening of bedding material,
Cattle	All stages	Poisonous	•	Deworming/vaccinations
		weeds	•	As green feeds supply will decrease, provide quality feeds,
			•	Check poisonous weeds in collected fodder
			•	Cook the feed,
Fish	All stages		•	Maintain adequate water level in the pond,
			•	Decrease the quantity of feed due to low activities or else
				provide feed in the warm hours,

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ICAR Research Complex for NEH Region, Arunachal Pradesh Centre

West Siang, Basar – 791 101



## (Papum Pare)

No:-75/2013-14/Fri Dated: 24<sup>th</sup> January, 2014

### Weather during the period

Maximum temperature: NAMinimum Temperature: NARelative Humidity (%):NA

Rainfall: -

Itanagar -NA
 Naharlagun -NA

#### **Weather Forecast**

- Rainfall: Clear/sunny/dry weather-next 3-4 days with occasional cloudy sky & foggy/cold morning fcst. Light showers may be there at few places.
- <u>Temperature:</u> The temperature is likely to be in the range of 5-26 °C.
- Relative Humidity: The RH is likely to be in the range of 36-94 %.

Crop	Stage	Pest/Disease	Precautionary Practices to be followed		
VEGETABLE CROPS					
French bean	Sowing	Cut worm	<ul> <li>Sowing of good quality treated seeds may be done.</li> <li>Monitor seedlings against attack of cut worm.</li> <li>Soil drenching with Chlorpyriphos 20EC@2 ml/litre of water</li> <li>Manual picking of larvae in the dusk hours,</li> <li>FIELD CROPS</li> </ul>		
Potato/	Tuber	Aphid			
Tomato	formation/ Maturity/ Harvest	Ret Ant	<ul> <li>Harvest mature crop,</li> <li>For aphid management, spray Dimethoate 30EC @ 3ml/litre of water,</li> <li>For ret ant, soil drenching with Chlorpyriphos 20 EC @ 2ml/litre of water is advised. Granular Chlorpyriphos may also be applied.</li> </ul>		
Mustard	Flowering/ Pod formation	Aphid	• Spray Dimethoate 30EC @ 3ml/litre of water during the afternoon hours is advised so that pollinators are not harmed.		
Maize	Land preparation		<ul> <li>Land preparation for sowing of upland early crop of maize may be done,</li> <li>Deep ploughing,</li> <li>Apply well decomposed FYM or dung</li> <li>Procure good quality certified seeds,</li> </ul>		
Pea	Pod formation Maturity/ Harvest	Rat Powdery mildew Rust	<ul> <li>Use of local method of rat control may be followed,</li> <li>If damage is high, use Zinc phosphide bait in wheat floor,</li> <li>Spraying of Sulfax @ 3gram per litre of water is advised,</li> <li>Spraying of Thiovit @ 3 ml/litre of water,</li> </ul>		
TZ1 '	TT ./	m 11	FRUIT CROPS		
Khasi Mandarin	Harvest/ Post harvest	Trunk borer	<ul> <li>Base drenching with Dichlorvos @ 4ml/litre of water,</li> <li>Prune the diseased portion of the plant and thereafter apply Blitox (50WP)/Bordeaux paste,</li> <li>In present weather conditions regularly collect and dispose off fallen fruits to reduce fruit fly population,</li> <li>Cleaning of lichens/mosses using gunny bag gently,</li> </ul>		
Banana	All stages	Banana Pseudostem borer	Swabbing with Malathion/Chlorpyriphos,		
Pineapple	Maturity	Rat	• Apply Zinc Phosphide bait,		
Kiwi	Post harvest stage	Beetle Tussock moth caterpillar	<ul> <li>Malathion dusting,</li> <li>Spraying with Quinolphos,</li> </ul>		
_	LIVESTOCKS and VETERINARY ASPECT				
Livestock	Stage	Disease	Precautionary Practices to be followed		

Poultry	All stages		Provide anti coccideal drugs on priority basis,
			• Newly born chicks-Provide heat source/limit ventilation,
			Schedule vaccination should be followed,
			Check litter material,
Pigs	All stages		Provide heat source to the newly born piglets,
	New born		Avoid dampening of bedding material,
Cattle	All stages	Poisonous	Deworming/vaccinations
		weeds	• As green feeds supply will decrease, provide quality feeds,
			Check poisonous weeds in collected fodder
			Cook the feed,
Fish	All stages		Maintain adequate water level in the pond,
			• Decrease the quantity of feed due to low activities or else provide feed in the warm hours,

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ICAR Research Complex for NEH Region, Arunachal Pradesh Centre West Siang, Basar – 791 101



### (Tawang)

No:-75/2013-14/Fri Dated: 24<sup>th</sup> January, 2014

## Weather during the period

- Rainfall: -
  - 1. Tawang –NA

### **Weather Forecast**

- Rainfall- Clear/sunny/dry weather-next 3-4 days with occasional cloudy sky & cold morning fcst.
- <u>Temperature</u> The temperature is likely to be in the range of 2-12°C.
- **Relative Humidity** The RH is likely to be in the range of 33-96 %.

Weather Based Agro-meteorological Advisories Bulletin

	<u>w ea</u>		Fineteorological Advisories Dulletin			
Crop	Stage	Pest/Disease	Precautionary Practices to be followed			
	FRUITS					
Apple	Lean period		• <i>Pruning of the trees</i> and application of Chaubatia			
			paste/Bordeaux paste is advised,			
			LIVESTOCKS			
Livestock	Stage	Disease	Precautionary Practices to be followed			
Poultry	All stages		<ul> <li>Provide anti coccideal drugs on priority basis,</li> <li>Newly born chicks-Provide heat source/limit ventilation,</li> <li>Schedule vaccination should be followed,</li> <li>Check litter material,</li> </ul>			
Pigs	All stages New born		<ul><li>Provide heat source to the newly born piglets,</li><li>Avoid dampening of bedding material,</li></ul>			
Cattle	All stages	Poisonous weeds	<ul> <li>Deworming/vaccinations</li> <li>As green feeds supply will decrease, provide quality feeds,</li> <li>Check poisonous weeds in collected fodder</li> <li>Cook the feed,</li> </ul>			
Fish	All stages		<ul> <li>Maintain adequate water level in the pond,</li> <li>Decrease the quantity of feed due to low activities or else provide feed in the warm hours,</li> </ul>			

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ICAR Research Complex for NEH Region, Arunachal Pradesh Centre
West Siang, Basar – 791 101



## (Tirap)

<u>No:-75/2013-14/Fri</u> <u>Dated: 24<sup>th</sup> January, 2014</u>

# Weather during the period

- Rainfall: -
  - Khonsa –NA
  - Deomali –NA

#### **Weather Forecast**

- Rainfall: Clear/sunny/dry weather-next 3-4 days with occasional cloudy sky & cold morning fcst.
- <u>Temperature</u> The temperature is likely to be in the range of 7-22°C.
- **Relative Humidity** The RH is likely to be in the range of 25-100 %.

Crop	Stage	Pest/Disease	Precautionary Practices to be followed
French bean	Sowing	Cut worm	<ul> <li>Sowing of good quality treated seeds may be done.</li> <li>Monitor seedlings against attack of cut worm.</li> <li>Soil drenching with Chlorpyriphos 20EC@2 ml/litre of water</li> </ul>
			Manual picking of larvae in the dusk hours,     FIELD CROPS
Potato/	Tuber	Aphid	Harvest mature crop,
Tomato	formation/ Maturity/ Harvest	Ret Ant	<ul> <li>For aphid management, spray Dimethoate 30EC @ 3ml/litre of water,</li> <li>For ret ant, soil drenching with Chlorpyriphos 20 EC @ 2ml/litre of water is advised. Granular Chlorpyriphos may also be applied.</li> </ul>
Mustard	Flowering/ Pod formation	Aphid	• Spray Dimethoate 30EC @ 3ml/litre of water during the afternoon hours is advised so that pollinators are not harmed.
Maize	Land preparation		<ul> <li>Land preparation for sowing of upland early crop of maize may be done,</li> <li>Deep ploughing,</li> <li>Apply well decomposed FYM or dung</li> <li>Procure good quality certified seeds,</li> </ul>
Pea	Pod formation Maturity/ Harvest	Rat Powdery mildew Rust	<ul> <li>Use of local method of rat control may be followed,</li> <li>If damage is high, use Zinc phosphide bait in wheat floor,</li> <li>Spraying of Sulfax @ 3gram per litre of water is advised,</li> <li>Spraying of Thiovit @ 3 ml/litre of water,</li> </ul>
			FRUIT CROPS
Khasi Mandarin	Harvest/ Post harvest	Trunk borer	<ul> <li>Base drenching with Dichlorvos @ 4ml/litre of water,</li> <li>Prune the diseased portion of the plant and thereafter apply Blitox (50WP)/Bordeaux paste,</li> <li>In present weather conditions regularly collect and dispose off fallen fruits to reduce fruit fly population,</li> <li>Cleaning of lichens/mosses using gunny bag gently,</li> </ul>
Banana	All stages	Banana Pseudostem borer LIVESTOC	Swabbing with Malathion/Chlorpyriphos,  KS and VETERINARY ASPECT
Livestock	Stage	Disease	Precautionary Practices to be followed
Poultry	All stages	Discuse	<ul> <li>Provide anti coccideal drugs on priority basis,</li> <li>Newly born chicks-Provide heat source/limit ventilation,</li> <li>Schedule vaccination should be followed,</li> <li>Check litter material,</li> </ul>
Pigs	All stages New born		<ul> <li>Provide heat source to the newly born piglets,</li> <li>Avoid dampening of bedding material,</li> </ul>

Cattle	All stages	Poisonous weeds	•	Deworming/vaccinations As green feeds supply will decrease, provide quality feeds, Check poisonous weeds in collected fodder Cook the feed,
Fish	All stages		•	Maintain adequate water level in the pond,
			•	Decrease the quantity of feed due to low activities or else provide feed in the warm hours,

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ICAR Research Complex for NEH Region, Arunachal Pradesh Centre
West Siang, Basar – 791 101



## (Upper Siang)

No:-75/2013-14/Fri

Weather during the period

Dated: 24<sup>th</sup> January, 2014

## • Rainfall: -

 $\tilde{N}$  Tuting – NA

### **Weather Forecast**

- Rainfall Clear/sunny/dry weather-next 3-4 days with occasional cloudy sky & foggy/cold morning fcst. Light showers may be there at few places.
- <u>Temperature</u> The temperature is likely to be in the range of 6-18°C.
- Relative Humidity The RH is likely to be in the range of 29-91 %.

Crop	Stage	Pest/Disease	Precautionary Practices to be followed	
Стор	Stage		GETABLE CROPS	
French bean	Sowing	Cut worm	Sowing of good quality treated seeds may be done.	
	3		<ul> <li>Monitor seedlings against attack of cut worm.</li> </ul>	
			• Soil drenching with Chlorpyriphos 20EC@2 ml/litre of	
			water	
			Manual picking of larvae in the dusk hours,	
			FIELD CROPS	
Potato/	Tuber	Aphid	• For aphid management, spray Dimethoate 30EC @	
Tomato	formation/	Ret Ant	3ml/litre of water,	
	Maturity		• For ret ant, soil drenching with Chlorpyriphos 20 EC @	
	,		2ml/litre of water is advised. Granular Chlorpyriphos may	
			also be applied.	
Mustard	Flowering/	Aphid	• Spray Dimethoate 30EC @ 3ml/litre of water during the	
	Pod	•	afternoon hours is advised so that pollinators are not	
	formation		harmed.	
Maize	Land		• Land preparation for sowing of upland early crop of maize	
	preparation		may be done,	
			Deep ploughing,	
			<ul> <li>Apply well decomposed FYM or dung</li> </ul>	
			Procure good quality certified seeds,	
Pea	Pod	Rat	Use of local method of rat control may be followed,	
	formation		• If damage is high, use Zinc phosphide bait in wheat floor,	
	Maturity/	Powdery	• Spraying of Sulfax @ 3gram per litre of water is advised,	
	Harvest	mildew		
		Rust	• Spraying of Thiovit @ 3 ml/litre of water,	
Wheat	Land		• Land preparation for sowing of wheat may be initiated,	
	preparation			
Black gram	Land		• Land preparation for sowing may be initiated	
Green gram	preparation		• Procure quality seeds,	
			FRUIT CROPS	
Khasi	Harvest/	Trunk borer	• Base drenching with Dichlorvos @ 4ml/litre of water,	
Mandarin	Post harvest		• Prune the diseased portion of the plant and thereafter apply Blitox (50WP)/Bordeaux paste,	
			• In present weather conditions regularly collect and dispose	
			off fallen fruits to reduce fruit fly population,	
			• Cleaning of lichens/mosses using gunny bag gently,	
Banana	All stages	Banana	Swabbing with Malathion/Chlorpyriphos,	
		Pseudostem	·	
		borer		
Pineapple	Maturity	Rat	• Apply Zinc Phosphide bait,	
Kiwi	Post harvest	Beetle	Malathion dusting,	
	stage	Tussock moth		
	<i>0</i> -	caterpillar	op-ajing man comorphoo,	
LIVESTOCKS and VETERINARY ASPECT				
Livestock	Stage	Disease	Precautionary Practices to be followed	

Poultry	All stages		•	Provide anti coccideal drugs on priority basis,
			•	Newly born chicks-Provide heat source/limit ventilation,
			•	Schedule vaccination should be followed,
			•	Check litter material,
Pigs	All stages		•	Provide heat source to the newly born piglets,
	New born		•	Avoid dampening of bedding material,
Cattle	All stages	Poisonous	•	Deworming/vaccinations
		weeds	•	As green feeds supply will decrease, provide quality feeds,
			•	Check poisonous weeds in collected fodder
			•	Cook the feed,
Fish	All stages		•	Maintain adequate water level in the pond,
			•	Decrease the quantity of feed due to low activities or else
				provide feed in the warm hours,

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ICAR Research Complex for NEH Region, Arunachal Pradesh Centre

West Siang, Basar – 791 101



## (Upper Subansiri)

<u>No:-75/2013-14/Fri</u> <u>Dated: 24<sup>th</sup> January, 2014</u>

## Weather during the period

- Rainfall: -
  - Daporijo- NA

### **Weather Forecast**

- <u>Rainfall</u> Clear/sunny/dry weather-next 3-4 days with occasional cloudy sky & foggy/cold morning fcst. Light showers may be there at few places.
- <u>Temperature</u> The temperature is likely to be in the range of 7-18°C.
- Relative Humidity The RH is likely to be in the range of 42-93 %.

	<u></u>	ner Basearigie		eteorological Advisories Bulletin
Crop	Stage	Pest/Disease		Precautionary Practices to be followed
		V]	E <b>G</b> ]	ETABLE CROPS
French bean	Sowing	Cut worm	•	Sowing of good quality treated seeds may be done.
			•	Monitor seedlings against attack of cut worm.
			•	Soil drenching with Chlorpyriphos 20EC@2 ml/litre of
				water
			•	Manual picking of larvae in the dusk hours,
			]	FIELD CROPS
Potato/	Tuber	Aphid	•	For aphid management, spray Dimethoate 30EC @
Tomato	formation/	Ret Ant		3ml/litre of water,
	Maturity		•	For ret ant, soil drenching with Chlorpyriphos 20 EC @
				2ml/litre of water is advised. Granular Chlorpyriphos may
				also be applied.
Mustard	Flowering/	Aphid	•	Spray Dimethoate 30EC @ 3ml/litre of water during the
	Pod			afternoon hours is advised so that pollinators are not
	formation			harmed.
Maize	Land		•	Land preparation for sowing of upland early crop of maize
	preparation			may be done,
			•	Deep ploughing,
			•	Apply well decomposed FYM or dung
			•	Procure good quality certified seeds,
Pea	Pod	Rat	•	Use of local method of rat control may be followed,
	formation	_	•	If damage is high, use Zinc phosphide bait in wheat floor,
	Maturity/ Harvest	Powdery mildew	•	Spraying of Sulfax @ 3gram per litre of water is advised,
		Rust	•	Spraying of Thiovit @ 3 ml/litre of water,
Wheat	Land preparation		•	Land preparation for sowing of wheat may be initiated,
Black gram	Land			I and propagation for covering may be initiated
Green gram	preparation		•	Land preparation for sowing may be initiated Procure quality seeds,
Green gram	preparation		1	FRUIT CROPS
Khasi	Harvest/	Trunk borer		
Mandarin	Post harvest	Trunk borer	•	Base drenching with Dichlorvos @ 4ml/litre of water,
Mandaini	1 Ost Haivest		•	Prune the diseased portion of the plant and thereafter apply Blitox (50WP)/Bordeaux paste,
			_	In present weather conditions regularly collect and dispose
			•	off fallen fruits to reduce fruit fly population,
			•	Cleaning of lichens/mosses using gunny bag gently,
Banana	All stages	Banana		Swabbing with Malathion/Chlorpyriphos,
Danana	1 III stages	Pseudostem	•	Swabbing with Malatinon/Cinorpyriphos,
		borer		
Pineapple	Maturity	Rat	•	Apply Zinc Phosphide bait,
		*	-	
Kiwi	Post harvest	Beetle	•	Malathion dusting,
	stage	Tussock moth	•	Spraying with Quinolphos,
		caterpillar		
		LIVESTOC	KS	and VETERINARY ASPECT
Livestock	Stage	Disease		Precautionary Practices to be followed

Poultry	All stages		Provide anti coccideal drugs on priority basis,
			• Newly born chicks-Provide heat source/limit ventilation,
			Schedule vaccination should be followed,
			Check litter material,
Pigs	All stages		<ul> <li>Provide heat source to the newly born piglets,</li> </ul>
	New born		<ul> <li>Avoid dampening of bedding material,</li> </ul>
Cattle	All stages	Poisonous	Deworming/vaccinations
		weeds	• As green feeds supply will decrease, provide quality feeds,
			Check poisonous weeds in collected fodder
			Cook the feed,
Fish	All stages		Maintain adequate water level in the pond,
			• Decrease the quantity of feed due to low activities or else
			provide feed in the warm hours,

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ICAR Research Complex for NEH Region, Arunachal Pradesh Centre

West Siang, Basar – 791 101



## (West Kameng)

No:-75/2013-14/Fri Dated: 24<sup>th</sup> January, 2014

## Weather during the period

<u>Rainfall</u>: - Bomdila –NA
 Bhalokpung -NA

#### **Weather Forecast**

- Rainfall- Clear/sunny/dry weather-next 3-4 days with occasional cloudy sky & cold morning fcst.
- <u>Temperature</u> The temperature is likely to be in the range of 5-13°C.
- Relative Humidity The RH is likely to be in the range of 39-98 %.

Weather Based Agro-meteorological Advisories Bulletin

Crop	Stage	Pest/Disease	Precautionary Practices to be followed				
	FRUITS						
Apple	Lean period		Pruning of the trees and application of Chaubatia				
			paste/Bordeaux paste is advised,				
			LIVESTOCKS				
Livestock	Stage	Disease	Precautionary Practices to be followed				
Poultry	All stages		<ul> <li>Provide anti coccideal drugs on priority basis,</li> <li>Newly born chicks-Provide heat source/limit ventilation,</li> <li>Schedule vaccination should be followed,</li> <li>Check litter material,</li> </ul>				
Pigs	All stages New born		<ul><li>Provide heat source to the newly born piglets,</li><li>Avoid dampening of bedding material,</li></ul>				
Cattle	All stages	Poisonous weeds	<ul> <li>Deworming/vaccinations</li> <li>As green feeds supply will decrease, provide quality feeds,</li> <li>Check poisonous weeds in collected fodder</li> <li>Cook the feed,</li> </ul>				
Fish	All stages	0:	<ul> <li>Maintain adequate water level in the pond,</li> <li>Decrease the quantity of feed due to low activities or else provide feed in the warm hours,</li> </ul>				

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### (West Siang)

No:-75/2013-14/Fri Dated: 24th January, 2014

## Weather during the period

• During the period weather was foggy/humid during morning hours and day was clear/sunny/dry.

Maximum temperature: 22.5°C
Minimum Temperature: 5.2°C

• Rainfall: 0.0 mm

• Evapotranspiration: - -

• Relative Humidity (%):46-100%

• Soil moisture (m<sup>2</sup>/ m<sup>2</sup>): **0.24** 

• Prominent Wind Direction: North East (Morning hours) & South East(Afternoon)

• Average Wind Speed: **0.4 metres per second** 

• Average Sunshine hours : 6.2 hours

(Source-Agromet Observatory, Research Farm, Gori, ICAR RC for NEH Region, AP Centre, Basar)

#### **Weather Forecast**

- Rainfall: Clear/sunny/dry weather-next 3-4 days with occasional cloudy sky & foggy/cold morning fcst. Light showers may be there at few places.
- <u>Temperature</u> Temperature will vary between 9-22 °C.
- Relative Humidity The RH is likely to be in the range of 38-85 %.

Crop	Stage	Pest/Disease	Precautionary Practices to be followed
		V	EGETABLE CROPS
French bean	Sowing	Cut worm	<ul> <li>Sowing of good quality treated seeds may be done.</li> <li>Monitor seedlings against attack of cut worm.</li> <li>Soil drenching with Chlorpyriphos 20EC@2 ml/litre of water</li> <li>Manual picking of larvae in the dusk hours,</li> </ul>
			FIELD CROPS
Potato/ Tomato	Tuber formation/ Maturity/ Harvest	Aphid Ret Ant	<ul> <li>Harvest mature crop,</li> <li>For aphid management, spray Dimethoate 30EC @ 3ml/litre of water,</li> <li>For ret ant, soil drenching with Chlorpyriphos 20 EC @ 2ml/litre of water is advised. Granular Chlorpyriphos may also be applied.</li> </ul>
Mustard	Flowering/ Pod formation	Aphid	• Spray Dimethoate 30EC @ 3ml/litre of water during the afternoon hours is advised so that pollinators are not harmed.
Maize	Land preparation		<ul> <li>Land preparation for sowing of upland early crop of maize may be done,</li> <li>Deep ploughing,</li> <li>Apply well decomposed FYM or dung</li> <li>Procure good quality certified seeds,</li> </ul>
Pea	Pod formation Maturity/ Harvest	Rat Powdery mildew Rust	<ul> <li>Use of local method of rat control may be followed,</li> <li>If damage is high, use Zinc phosphide bait in wheat floor,</li> <li>Spraying of Sulfax @ 3gram per litre of water is advised,</li> <li>Spraying of Thiovit @ 3 ml/litre of water,</li> </ul>
Wheat	Land preparation		Land preparation for sowing of wheat may be initiated,
Black gram Green gram	Land preparation		<ul> <li>Land preparation for sowing may be initiated</li> <li>Procure quality seeds,</li> <li>FRUIT CROPS</li> </ul>
Khasi Mandarin	Harvest/ Post harvest	Trunk borer	<ul> <li>Base drenching with Dichlorvos @ 4ml/litre of water,</li> <li>Prune the diseased portion of the plant and thereafter apply Blitox (50WP)/Bordeaux paste,</li> <li>In present weather conditions regularly collect and dispose off fallen fruits to reduce fruit fly population,</li> <li>Cleaning of lichens/mosses using gunny bag gently,</li> </ul>

Banana	All stages	Banana Pseudostem borer	Swabbing with Malathion/Chlorpyriphos,
Pineapple	Maturity	Rat	Apply Zinc Phosphide bait,
Kiwi	Post harvest stage	Beetle Tussock moth caterpillar	<ul><li>Malathion dusting,</li><li>Spraying with Quinolphos,</li></ul>
		LIVESTO	CKS and VETERINARY ASPECT
Livestock	Stage	Disease	Precautionary Practices to be followed
Poultry	All stages		<ul> <li>Provide anti coccideal drugs on priority basis,</li> <li>Newly born chicks-Provide heat source/limit ventilation,</li> <li>Schedule vaccination should be followed,</li> <li>Check litter material,</li> </ul>
Pigs	All stages New born		<ul><li>Provide heat source to the newly born piglets,</li><li>Avoid dampening of bedding material,</li></ul>
Cattle	All stages	Poisonous weeds	<ul> <li>Deworming/vaccinations</li> <li>As green feeds supply will decrease, provide quality feeds,</li> <li>Check poisonous weeds in collected fodder</li> <li>Cook the feed,</li> </ul>
Rabbitary	All stages	Snuffles	<ul><li>Care new born,</li><li>Monitor for snuffles,</li></ul>
Fish	All stages		<ul> <li>Maintain adequate water level in the pond,</li> <li>Decrease the quantity of feed due to low activities or else provide feed in the warm hours,</li> </ul>

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