ICAR Research Complex for NEH Region, Arunachal Pradesh Centre



# (East Siang)

#### No:-64/2013-14/Tue

#### Dated: 17<sup>th</sup> December, 2013

#### Weather during the period

- Maximum temperature:23.7° C
- Minimum Temperature: 11.0 ° C
- <u>Rainfall</u>:
  - Pasighat 3.9 mm
- <u>Relative humidity (%)</u>: 61-93

#### Weather Forecast

• <u>Rainfall</u> – Clear weather-next 2/3 days with occasional thin clouds forecasted.

- <u>**Temperature**</u> Temperature will vary between 10-24° C
- <u>**Relative Humidity</u>** The RH is likely to be in the range of 21-84 %.</u>

Crop	Stage	Pest/Disease	Precautionary Practices to be followed
			/EGETABLE CROPS
Cauliflower/ Cabbage/ Brocolli/ Knolkhol	Vegetative/ Maturing/ Harvest	Cut worm	<ul> <li>Harvest mature crop,</li> <li>Weeding may be done,</li> <li>In late sown crop, monitor the crop against attack of cut worm,</li> </ul>
French bean	Vegetative Fruiting	Cercospora Leaf Spot	• If symptoms appear spraying of Dithane M45 @ 2.5 grams per litre of water is advised,
	T	Γ	FIELD CROPS
Potato Mustard	Tuber formation Flowering/ Pod formation	Powdery mildew/ Downy mildew	<ul> <li>Monitor the crop against attack of late blight and other abnormal development,</li> <li>Present weather conditions are highly favourable for attack of diseases. Closely monitor the crop,</li> <li>If severity of diseases is high apply Redomil MZ @2.5 grams</li> </ul>
Honey bee		IIIIdew	<ul> <li>per litre of water,</li> <li>In late sown crop, thinning may be done to maintain proper plant count,</li> <li>Cover hives with insulating materials/reduce hive entrance /keep in sunny place,</li> <li>Provide sugar solution or honey at the entrance of the hive,</li> </ul>
Khasi			FRUIT CROPS
Mandarin	Harvesting	Trunk borer/ Fruit fly	<ul> <li>Harvest the fruit maintaining some leaves. Also, as far as possible avoid damage to the fruit,</li> <li>In present weather conditions regularly collect and dispose off fallen fruits to reduce fruit fly population,</li> <li>Bordeaux pasting,</li> </ul>
Banana	All stages	Pseudostem weevil	<ul><li>Removal of heavily infested plants and deep burial in the pits,</li><li>Cleaning around the crop,</li></ul>
		LIVESTO	CKS and VETERINARY ASPECT
Livestock	Stage	Disease	Precautionary Practices to be followed
Poultry	All stages		<ul> <li>Properly dispose carcass of poultry brought from market as they are the main cause of diseases. As New Year and other functions are being celebrated all around, the demand for chicken is high which is meet with from supply outside. These poultry carry the diseases to the local birds of the state.</li> <li>Newly born chicks-Provide heat source/limit ventilation,</li> <li>Schedule vaccination should be followed,</li> </ul>
Pigs	All stages		<ul> <li>Add ferrous sulphate to the udder of the mother to supplement the iron demand of the new borns,</li> <li>Provide paddy straw to the newly born to ward off extreme cold,</li> </ul>
Cattle	All stages		<ul> <li>Deworming/vaccinations</li> <li>Provide paddy straws for cushioning to the newly born calves,</li> <li>Lighting to maintain warmth in the shade,</li> </ul>





		• As green feeds supply will decrease, provide quality feeds,		
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,		
		• Harvest of mature fish,		
• Contact Scientists (ICAR) or State Agril Staff or KVK staff for any queries/measures against adverse conditions or call at 03795226247/37				



ICAR Research Complex for NEH Region, Arunachal Pradesh Centre

West Siang, Basar – 791 101

# (<u>Lohit</u>)

#### No:-64/2013-14/Tue

# Weather during the period

Dated: 17<sup>th</sup> December, 2013

- <u>Rainfall</u>: -
  - Tezu 1.0 mm
    - Namsai 1.6 mm

#### Weather Forecast

- <u>**Rainfall</u>**: Clear/dry weather-next 2/3 days with thick fog/cold morning & thereafter partially cloudy weather-few places forecasted.</u>
- <u>**Temperature**</u> –The temperature is likely to be in the range of 5-23°C.
- **<u>Relative Humidity</u>** The RH is likely to be in the range of 23-87 %.

Crop	Stage	Pest/Disease	Precautionary Practices to be followed
<b>^</b>			GETABLE CROPS
Cauliflower/ Cabbage/ Brocolli/ Knolkhol	Vegetative/ Maturing/ Harvest	Cut worm	<ul> <li>Harvest mature crop,</li> <li>Weeding may be done,</li> <li>In late sown crop, monitor the crop against attack of cut worm,</li> </ul>
French bean	Vegetative Fruiting	Cercospora Leaf Spot	<ul> <li>If symptoms appear spraying of Dithane M45 @ 2.5 grams per litre of water is advised,</li> <li>FIELD CROPS</li> </ul>
Potato	Tuber formation		• Monitor the crop against attack of late blight and other abnormal development,
Mustard	Flowering/ Pod formation	Powdery mildew/ Downy mildew	<ul> <li>Present weather conditions are highly favourable for attack of diseases. Closely monitor the crop,</li> <li>If severity of diseases is high apply Redomil MZ @2.5 grams per litre of water,</li> <li>In late sown crop, thinning may be done to maintain proper plant count,</li> </ul>
Honey bee			<ul> <li>Cover hives with insulating materials/reduce hive entrance /keep in sunny place,</li> <li>Provide sugar solution or honey at the entrance of the hive, FRUIT CROPS</li> </ul>
Khasi Mandarin	Harvesting	Trunk borer/ Fruit fly	<ul> <li>Harvest the fruit maintaining some leaves. Also, as far as possible avoid damage to the fruit,</li> <li>In present weather conditions regularly collect and dispose off fallen fruits to reduce fruit fly population,</li> <li>Bordeaux pasting,</li> </ul>
Banana	All stages	Pseudostem weevil	<ul> <li>Removal of heavily infested plants and deep burial in the pits,</li> <li>Cleaning around the crop,</li> </ul>
		LIVESTOC	KS and VETERINARY ASPECT
Livestock	Stage	Disease	Precautionary Practices to be followed
Poultry	All stages		<ul> <li>Properly dispose carcass of poultry brought from market as they are the main cause of diseases. As New Year and other functions are being celebrated all around, the demand for chicken is high which is meet with from supply outside. These poultry carry the diseases to the local birds of the state.</li> <li>Newly born chicks-Provide heat source/limit ventilation,</li> <li>Schedule vaccination should be followed,</li> </ul>
Pigs	All stages		<ul> <li>Add ferrous sulphate to the udder of the mother to supplement the iron demand of the new borns,</li> <li>Provide paddy straw to the newly born to ward off extreme cold,</li> </ul>
Cattle	All stages		<ul><li>Deworming/vaccinations</li><li>Provide paddy straws for cushioning to the newly born</li></ul>



		<ul><li>calves,</li><li>Lighting to maintain warmth in the shade,</li><li>As green feeds supply will decrease, provide quality feeds,</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> <li>Harvest of mature fish,</li> </ul>
	Scientists (ICAR) or Sta is or call at 0379522624	ate Agril Staff or KVK staff for any queries/measures against adverse 7/37



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



# (Lower Subansiri)

#### No:-64/2013-14/Tue

# Dated: 17th December, 2013Weather during the period

- <u>Rainfall</u>: -
  - 1. Ziro 7.0 mm

#### Weather Forecast

• <u>**Rainfall**</u> – Clear/dry weather-next 2/3 days with fog/cold morning & thereafter partially cloudy weather-few places forecasted.

• **<u>Temperature</u>** - The temperature is likely to be in the range of 0-10°C.

• <u>**Relative Humidity</u>** - The RH is likely to be in the range of 27-90 %.</u>

Crop	Stage	Pest/Disease	Precautionary Practices to be followed
	1		GETABLE CROPS
Cauliflower/ Cabbage/ Brocolli/ Knolkhol	Vegetative/ Maturing/ Harvest	Cut worm	<ul> <li>Harvest mature crop,</li> <li>Weeding may be done,</li> <li>In late sown crop, monitor the crop against attack of cut worm,</li> </ul>
French bean	Vegetative Fruiting	Cercospora Leaf Spot	• If symptoms appear spraying of Dithane M45 @ 2.5 grams per litre of water is advised,
	-		FIELD CROPS
Potato	Tuber formation		• Monitor the crop against attack of late blight and other abnormal development,
Mustard	Flowering/ Pod formation	Powdery mildew/ Downy mildew	<ul> <li>Present weather conditions are highly favourable for attack of diseases. Closely monitor the crop,</li> <li>If severity of diseases is high apply Redomil MZ @2.5 grams per litre of water,</li> <li>In late sown crop, thinning may be done to maintain proper about second.</li> </ul>
Honey bee			<ul> <li>plant count,</li> <li>Cover hives with insulating materials/reduce hive entrance /keep in sunny place,</li> <li>Provide sugar solution or honey at the entrance of the hive,</li> </ul>
			FRUIT CROPS
Khasi Mandarin	Harvesting	Trunk borer/ Fruit fly	<ul> <li>Harvest the fruit maintaining some leaves. Also, as far as possible avoid damage to the fruit,</li> <li>In present weather conditions regularly collect and dispose off fallen fruits to reduce fruit fly population,</li> <li>Bordeaux pasting,</li> </ul>
Banana	All stages	Pseudostem weevil	<ul> <li>Removal of heavily infested plants and deep burial in the pits,</li> <li>Cleaning around the crop,</li> </ul>
		LIVESTOC	KS and VETERINARY ASPECT
Livestock	Stage	Disease	Precautionary Practices to be followed
Poultry	All stages		<ul> <li>Properly dispose carcass of poultry brought from market as they are the main cause of diseases. As New Year and other functions are being celebrated all around, the demand for chicken is high which is meet with from supply outside. These poultry carry the diseases to the local birds of the state.</li> <li>Newly born chicks-Provide heat source/limit ventilation,</li> <li>Schedule vaccination should be followed,</li> </ul>
Pigs	All stages		<ul> <li>Add ferrous sulphate to the udder of the mother to supplement the iron demand of the new borns,</li> <li>Provide paddy straw to the newly born to ward off extreme cold,</li> </ul>
Cattle	All stages		<ul> <li>Deworming/vaccinations</li> <li>Provide paddy straws for cushioning to the newly born calves,</li> </ul>

		•	Lighting to maintain warmth in the shade, As green feeds supply will decrease, provide quality feeds,	
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,	
		•	Harvest of mature fish,	
<ul> <li>Contact Scientists (ICAR) or State Agril Staff or KVK staff for any queries/measures against adverse conditions or call at 03795226247/37</li> </ul>				



ICAR Research Complex for NEH Region, Arunachal Pradesh Centre

West Siang, Basar – 791 101



# (Papum Pare)

#### No:-64/2013-14/Tue

Dated: 17<sup>th</sup> December, 2013

- Weather during the period
- Maximum temperature: 24.8 °C
- Minimum Temperature: 8.0°C
- Relative Humidity (%):76-94
- <u>Rainfall</u>: -

•

- 1. Itanagar -0.0 mm
  - 2. Naharlagun -2.0 mm

#### Weather Forecast

- **Rainfall:** Clear/dry weather-next 2/3 days with fog/cold morning & thereafter partially cloudy weather-few places forecasted.
- <u>**Temperature**</u> The temperature is likely to be in the range of 6-25°C.
  - **<u>Relative Humidity</u>** The RH is likely to be in the range of 27-79 %.

Crop	Stage	Pest/Disease	Precautionary Practices to be followed
<b>^</b>		V	EGETABLE CROPS
Cauliflower/ Cabbage/ Brocolli/ Knolkhol	Vegetative/ Maturing/ Harvest	Cut worm	<ul> <li>Harvest mature crop,</li> <li>Weeding may be done,</li> <li>In late sown crop, monitor the crop against attack of cut worm,</li> </ul>
French bean	Vegetative Fruiting	Cercospora Leaf Spot	• If symptoms appear spraying of Dithane M45 @ 2.5 grams per litre of water is advised,
	1	Γ	FIELD CROPS
Potato	Tuber formation		• Monitor the crop against attack of late blight and other abnormal development,
Mustard	Flowering/ Pod formation	Powdery mildew/ Downy mildew	<ul> <li>Present weather conditions are highly favourable for attack of diseases. Closely monitor the crop,</li> <li>If severity of diseases is high apply Redomil MZ @2.5 grams per litre of water,</li> <li>In late sown crop, thinning may be done to maintain proper plant count,</li> </ul>
Honey bee			<ul> <li>Cover hives with insulating materials/reduce hive entrance /keep in sunny place,</li> <li>Provide sugar solution or honey at the entrance of the hive, FRUIT CROPS</li> </ul>
Khasi Mandarin	Harvesting	Trunk borer/ Fruit fly	<ul> <li>Harvest the fruit maintaining some leaves. Also, as far as possible avoid damage to the fruit,</li> <li>In present weather conditions regularly collect and dispose off fallen fruits to reduce fruit fly population,</li> <li>Bordeaux pasting,</li> </ul>
Banana	All stages	Pseudostem weevil	<ul> <li>Removal of heavily infested plants and deep burial in the pits,</li> <li>Cleaning around the crop,</li> </ul>
		LIVESTO	CKS and VETERINARY ASPECT
Livestock	Stage	Disease	Precautionary Practices to be followed
Poultry	All stages		<ul> <li>Properly dispose carcass of poultry brought from market as they are the main cause of diseases. As New Year and other functions are being celebrated all around, the demand for chicken is high which is meet with from supply outside. These poultry carry the diseases to the local birds of the state.</li> <li>Newly born chicks-Provide heat source/limit ventilation,</li> <li>Schedule vaccination should be followed,</li> </ul>
Pigs	All stages		<ul> <li>Add ferrous sulphate to the udder of the mother to supplement the iron demand of the new borns,</li> <li>Provide paddy straw to the newly born to ward off extreme cold,</li> </ul>

Cattle	All stages	Deworming/vaccinations	
		• Provide paddy straws for cushioning to the newly born calves,	
		• Lighting to maintain warmth in the shade,	
		• As green feeds supply will decrease, provide quality feeds,	
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,	
		• Harvest of mature fish,	
• Contact Scientists (ICAR) or State Agril Staff or KVK staff for any queries/measures against adverse			

• Contact Scientists (ICAR) or State Agril Stati or KVK stati for any queries/measure conditions or call at 03795226247/37

Issued jointly by ICAR-RC for NEH Region, Arunachal Pradesh Centre, Basar and India Meteorological Department Contact: - <u>IAAS.BASAR@gmail.com</u>, Phone Number: - 03795-226247/37, -96 (Fax)

ICAR Research Complex for NEH Region, Arunachal Pradesh Centre

<u>West Siang, Basar – 791 101</u>



## (Tawang)

Weather during the period

#### No:-64/2013-14/Tue

#### Dated: 17<sup>th</sup> December, 2013

• <u>Rainfall</u>: -1. Tawang -11.0 mm

#### Weather Forecast

- <u>Rainfall-</u> Clear/dry weathers-next 2/3 days with thick fog/cold morning & thereafter partially cloudy weather-few places fcst.
- <u>**Temperature**</u> The temperature is likely to be in the range of 0-10°C.
- <u>**Relative Humidity</u>** The RH is likely to be in the range of 45-89 %.</u>

#### Weather Based Agro-meteorological Advisories Bulletin

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>Properly dispose carcass of poultry brought from marke as they are the main cause of diseases. As New Year and other functions are being celebrated all around, the demand for chicken is high which is meet with from supply outside. These poultry carry the diseases to the local birds of the state.</li> <li>Newly born chicks-Provide heat source/limit ventilation,</li> <li>Schedule vaccination should be followed,</li> </ul>		
Cattle	All stages		<ul> <li>Deworming/vaccinations</li> <li>Provide paddy straws for cushioning to the newly born calves,</li> <li>Lighting to maintain warmth in the shade,</li> <li>As green feeds supply will decrease, provide quality feeds,</li> </ul>		
Goat/Sheep	All stages	PPR	<ul><li>Vaccinate against the PPR,</li><li>Provide mineral mixture,</li></ul>		
Pigs	All stages		<ul> <li>Add ferrous sulphate to the udder of the mother to supplement the iron demand of the new borns,</li> <li>Provide paddy straw or any cushioning material to th newly born to ward off extreme cold,</li> </ul>		

#### conditions or call at 03795222247 (KVK, West Siang)

Issued jointly by ICAR-RC for NEH Region, Arunachal Pradesh Centre, Basar and India Meteorological Department Contact: - <u>IAAS.BASAR@gmail.com</u>, Phone Number: - 03795-226247/37, -96 (Fax)



ICAR Research Complex for NEH Region, Arunachal Pradesh Centre

<u>West Siang, Basar – 791 101</u>



# (<u>Tirap</u>)

Weather during the period

#### No:-64/2013-14/Tue

Dated: 17<sup>th</sup> December, 2013

- <u>Rainfall</u>: -
  - <u>Khonsa</u>–NA
    - <u>Deomali</u> –0.8 mm

#### Weather Forecast

- **<u>Rainfall</u>**: Clear/dry weather-next 2/3 days with thick fog/cold morning & thereafter partially cloudy weather-few places forecasted.
- <u>**Temperature</u>** The temperature is likely to be in the range of 5-23°C.</u>
- **<u>Relative Humidity</u>** The RH is likely to be in the range of 33-99 %.

Crop	Stage	Pest/Disease		Precautionary Practices to be followed
		VI	EG	ETABLE CROPS
Cauliflower/ Cabbage/ Brocolli/ Knolkhol	Vegetative/ Maturing/ Harvest	Cut worm	•	Harvest mature crop, Weeding may be done, In late sown crop, monitor the crop against attack of cut worm,
French bean	Vegetative Fruiting	Cercospora Leaf Spot	•	If symptoms appear spraying of Dithane M45 @ 2.5 grams per litre of water is advised,
	Γ	T		FIELD CROPS
Potato	Tuber formation		•	Monitor the crop against attack of late blight and other abnormal development,
Mustard	Flowering/ Pod formation	Powdery mildew/ Downy mildew	•	Present weather conditions are highly favourable for attack of diseases. Closely monitor the crop, If severity of diseases is high apply Redomil MZ @2.5 grams per litre of water, In late sown crop, thinning may be done to maintain proper plant count,
Honey bee			•	Cover hives with insulating materials/reduce hive entrance /keep in sunny place, Provide sugar solution or honey at the entrance of the hive,
			-	FRUIT CROPS
Khasi Mandarin	Harvesting	Trunk borer/ Fruit fly	•	Harvest the fruit maintaining some leaves. Also, as far as possible avoid damage to the fruit, <b>In present weather conditions regularly collect and</b> <b>dispose off fallen fruits to reduce fruit fly population,</b> Bordeaux pasting,
Banana	All stages	Pseudostem weevil	•	Removal of heavily infested plants and deep burial in the pits, Cleaning around the crop,
		LIVESTOC	KS	and VETERINARY ASPECT
Livestock	Stage	Disease		Precautionary Practices to be followed
Poultry	All stages		•	Properly dispose carcass of poultry brought from market as they are the main cause of diseases. As New Year and other functions are being celebrated all around, the demand for chicken is high which is meet with from supply outside. These poultry carry the diseases to the local birds of the state. Newly born chicks-Provide heat source/limit ventilation, Schedule vaccination should be followed,
Pigs	All stages		•	Add ferrous sulphate to the udder of the mother to supplement the iron demand of the new borns, Provide paddy straw to the newly born to ward off extreme cold,
Cattle	All stages		•	Deworming/vaccinations Provide paddy straws for cushioning to the newly born

		<ul><li>calves,</li><li>Lighting to maintain warmth in the shade,</li><li>As green feeds supply will decrease, provide quality feeds,</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> <li>Harvest of mature fish,</li> </ul>		
	<ul> <li>Contact Scientists (ICAR) or State Agril Staff or KVK staff for any queries/measures against adverse conditions or call at 03795226247/37</li> </ul>			



ICAR Research Complex for NEH Region, Arunachal Pradesh Centre

<u>West Siang, Basar – 791 101</u>



#### (Upper Siang)

No:-64/2013-14/Tue

## Weather during the period

Dated: 17<sup>th</sup> December, 2013

• <u>Rainfall</u>: -

 $\tilde{N}$  Tuting – 0.0 mm

#### Weather Forecast

- <u>Rainfall</u> Clear/dry weather-next 1/2 days with fog/cold morning & thereafter partially cloudy weather/light rains-few places forecasted.
- <u>**Temperature**</u> The temperature is likely to be in the range of 2-16°C.

• **<u>Relative Humidity</u>** - The RH is likely to be in the range of 16-90 %.

Crop	Stage	Pest/Disease		Precautionary Practices to be followed
		V	EG	ETABLE CROPS
Cauliflower/ Cabbage/ Brocolli/ Knolkhol	Vegetative/ Maturing/ Harvest	Cut worm	•	Harvest mature crop, Weeding may be done, In late sown crop, monitor the crop against attack of cut worm,
French bean	Vegetative Fruiting	Cercospora Leaf Spot	•	If symptoms appear spraying of Dithane M45 @ 2.5 grams per litre of water is advised,
				FIELD CROPS
Potato	Tuber formation		•	Monitor the crop against attack of late blight and other abnormal development,
Mustard	Flowering/ Pod	Powdery mildew/	•	Present weather conditions are highly favourable for attack of diseases. Closely monitor the crop,
	formation	Downy mildew	•	If severity of diseases is high apply Redomil MZ @2.5 grams per litre of water,
			•	In late sown crop, thinning may be done to maintain proper plant count,
Honey bee			•	Cover hives with insulating materials/reduce hive entrance /keep in sunny place,
			•	Provide sugar solution or honey at the entrance of the hive,
T71 '	TT /	1	1	FRUIT CROPS
Khasi Mandarin	Harvesting		•	Harvest the fruit maintaining some leaves. Also, as far as possible avoid damage to the fruit,
		Trunk borer/ Fruit fly	•	In present weather conditions regularly collect and dispose off fallen fruits to reduce fruit fly population, Bordeaux pasting,
Banana	All stages	Pseudostem weevil	•	Removal of heavily infested plants and deep burial in the pits,
			•	Cleaning around the crop,
		LIVESTOC	CKS	and VETERINARY ASPECT
Livestock	Stage	Disease		Precautionary Practices to be followed
Poultry	All stages		•	Properly dispose carcass of poultry brought from market as they are the main cause of diseases. As New Year and other functions are being celebrated all around, the demand for chicken is high which is meet with from supply outside. These poultry carry the diseases to the local birds of the state. Newly born chicks-Provide heat source/limit ventilation, Schedule vaccination should be followed,
Pigs	All stages All stages		•	Add ferrous sulphate to the udder of the mother to supplement the iron demand of the new borns, Provide paddy straw to the newly born to ward off extreme cold, Deworming/vaccinations
Catut	i in suges		•	Provide paddy straws for cushioning to the newly born calves, Lighting to maintain warmth in the shade,

		•	As green feeds supply will decrease, provide quality feeds,		
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,		
		•	Harvest of mature fish,		
<ul> <li>Contact Scientists (ICAR) or State Agril Staff or KVK staff for any queries/measures against adverse conditions or call at 03795226247/37</li> </ul>					



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

(<u>Upper Subansiri</u>)



#### <u>No:-64/2013-14/Tue</u>

# Dated: 17th December, 2013

#### Weather during the period

- <u>Rainfall</u>: -
  - Daporijo- 12.4 mm

#### Weather Forecast

• <u>**Rainfall**</u> – Clear/dry weather-next 1/2 days with fog/cold morning hours & thereafter partially cloudy weather with light rains in few places forecasted.

• <u>**Temperature</u>** - The temperature is likely to be in the range of 2-15°C.</u>

• **<u>Relative Humidity</u>** - The RH is likely to be in the range of 22-91 %.

Crop	Stage	Pest/Disease		Precautionary Practices to be followed
	-	VE	EGE	ETABLE CROPS
Cauliflower/ Cabbage/ Brocolli/ Knolkhol	Vegetative/ Maturing/ Harvest	Cut worm	•	Harvest mature crop, Weeding may be done, In late sown crop, monitor the crop against attack of cut worm,
French bean	Vegetative Fruiting	Cercospora Leaf Spot	•	If symptoms appear spraying of Dithane M45 @ 2.5 grams per litre of water is advised,
			F	FIELD CROPS
Potato	Tuber formation		•	Monitor the crop against attack of late blight and other abnormal development,
Mustard	Flowering/ Pod	Powdery mildew/	•	Present weather conditions are highly favourable for attack of diseases. Closely monitor the crop,
	formation	Downy mildew	•	If severity of diseases is high apply Redomil MZ @2.5 grams per litre of water,
			•	In late sown crop, thinning may be done to maintain proper plant count,
Honey bee			•	Cover hives with insulating materials/reduce hive entrance /keep in sunny place,
			• F	Provide sugar solution or honey at the entrance of the hive, FRUIT CROPS
Khasi Mandarin	Harvesting		•	Harvest the fruit maintaining some leaves. Also, as far as possible avoid damage to the fruit,
		Trunk borer/ Fruit fly	•	In present weather conditions regularly collect and dispose off fallen fruits to reduce fruit fly population, Bordeaux pasting,
Banana	All stages	Pseudostem weevil	•	Removal of heavily infested plants and deep burial in the pits,
			•	Cleaning around the crop,
	1	LIVESTOC	KS	and VETERINARY ASPECT
Livestock	Stage	Disease		Precautionary Practices to be followed
Poultry	All stages		•	Properly dispose carcass of poultry brought from market
				as they are the main cause of diseases. As New Year and
				other functions are being celebrated all around, the
				demand for chicken is high which is meet with from supply outside. These poultry carry the diseases to the
				local birds of the state.
			•	Newly born chicks-Provide heat source/limit ventilation,
			•	Schedule vaccination should be followed,
Pigs	All stages		•	Add ferrous sulphate to the udder of the mother to
				supplement the iron demand of the new borns,
			•	Provide paddy straw to the newly born to ward off extreme
	A 11			cold,
Cattle	All stages		•	Deworming/vaccinations
			•	
			•	,
Cutie	7 in stages			Provide paddy straws for cushioning to the newly calves, Lighting to maintain warmth in the shade,

		•	As green feeds supply will decrease, provide quality feeds,
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, Harvest of mature fish,
	ientists (ICAR or call at 0379	, 0	aff or KVK staff for any queries/measures against adverse



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

# (West Kameng)



#### No:-64/2013-14/Tue

#### Weather during the period

Dated: 17<sup>th</sup> December, 2013

Rainfall: - Bomdila -0.0 mm

Bhalokpung -0.0 mm

Weather Forecast

- Rainfall- Clear/dry weather-next 2/3 days with thick fog/cold morning & thereafter partially cloudy • weather-few places fcst.
- **<u>Temperature</u>** The temperature is likely to be in the range of 2-13°C. •
- **<u>Relative Humidity</u>** The RH is likely to be in the range of 31-86 %. •

#### Weather Based Agro-meteorological Advisories Bulletin

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>Properly dispose carcass of poultry brought from market as they are the main cause of diseases. As New Year an other functions are being celebrated all around, th demand for chicken is high which is meet with from supply outside. These poultry carry the diseases to th local birds of the state.</li> <li>Newly born chicks-Provide heat source/limit ventilation,</li> <li>Schedule vaccination should be followed,</li> </ul>			
Cattle	All stages		<ul> <li>Deworming/vaccinations</li> <li>Provide paddy straws for cushioning to the newly bor calves,</li> <li>Lighting to maintain warmth in the shade,</li> <li>As green feeds supply will decrease, provide quality feeds,</li> </ul>			
Goat/Sheep	All stages	PPR	<ul><li>Vaccinate against the PPR,</li><li>Provide mineral mixture,</li></ul>			
Pigs	All stages		<ul> <li>Add ferrous sulphate to the udder of the mother to supplement the iron demand of the new borns,</li> <li>Provide paddy straw or any cushioning material to the newly born to ward off extreme cold,</li> </ul>			

conditions or call at 03795222247 (KVK, West Siang) Issued jointly by ICAR-RC for NEH Region, Arunachal Pradesh Centre, Basar and India Meteorological Department

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

ICAR Research Complex for NEH Region, Arunachal Pradesh Centre

West Siang, Basar – 791 101



# (West Siang)

No:-64/2013-14/Tue

## Weather during the period

Dated: 17<sup>th</sup> December, 2013

- During the period weather was clear and dry during day time with fog during morning hours. Weather was partially cloudy and rain was recorded during 14<sup>th</sup>.
- Maximum temperature: 19.5°C
- Minimum Temperature: <u>3.2°C</u>
- Rainfall: 3.5 mm
- Evapotranspiration: -
- Relative Humidity (%): 37-99%
- Soil moisture (m<sup>2</sup>/ m<sup>2</sup>): 0.25
- Prominent Wind Direction: North East (Morning hours) & South West (Afternoon)
- Average Wind Speed: 1.3 metres per second
- Average Sunshine hours : 4.1 hours (Source-Agromet Observatory, Research Farm, Gori, ICAR RC for NEH Region, AP Centre, Basar)

#### Weather Forecast

- <u>Rainfall:</u> Clear/dry weather-next 1/2 days with fog/cold morning hours & thereafter partially cloudy weather with light rains in few places forecasted.
- <u>**Temperature**</u> Temperature will vary between 4-20 °C.
- **<u>Relative Humidity</u>** The RH is likely to be in the range of 20-89 %.

Crop	Stage	Pest/Disease	Precautionary Practices to be followed
		V	EGETABLE CROPS
Cauliflower/ Cabbage/ Brocolli/ Knolkhol	Vegetative/ Maturing/ Harvest	Cut worm	<ul> <li>Harvest mature crop,</li> <li>Weeding may be done,</li> <li>In late sown crop, monitor the crop against attack of cut worm,</li> </ul>
French bean	Vegetative Fruiting	Cercospora Leaf Spot	• If symptoms appear spraying of Dithane M45 @ 2.5 grams per litre of water is advised,
	<b>T</b> 1		FIELD CROPS
Potato	Tuber formation		• Monitor the crop against attack of late blight and other abnormal development,
Mustard	Flowering/ Pod formation	Powdery mildew/ Downy mildew	<ul> <li>Present weather conditions are highly favourable for attack of diseases. Closely monitor the crop,</li> <li>If severity of diseases is high apply Redomil MZ @2.5 grams per litre of water,</li> <li>In late sown crop, thinning may be done to maintain proper plant count,</li> </ul>
Honey bee			<ul> <li>Cover hives with insulating materials/reduce hive entrance /keep in sunny place,</li> <li>Provide sugar solution or honey at the entrance of the hive,</li> </ul>
771 '	<b>TT</b> .•		FRUIT CROPS
Khasi Mandarin	Harvesting	Trunk borer/ Fruit fly	<ul> <li>Harvest the fruit maintaining some leaves. Also, as far as possible avoid damage to the fruit,</li> <li>In present weather conditions regularly collect and dispose off fallen fruits to reduce fruit fly population,</li> <li>Bordeaux pasting,</li> </ul>
Banana	All stages	Pseudostem weevil	<ul><li>Removal of heavily infested plants and deep burial in the pits,</li><li>Cleaning around the crop,</li></ul>
		LIVESTO	CKS and VETERINARY ASPECT
Livestock	Stage	Disease	Precautionary Practices to be followed
Poultry	All stages		• Properly dispose carcass of poultry brought from market as they are the main cause of diseases. As New Year and other functions are being celebrated all around, the demand for chicken is high which is meet with from supply outside.



		<ul> <li>These poultry carry the diseases to the local birds of the state.</li> <li>Newly born chicks-Provide heat source/limit ventilation,</li> <li>Schedule vaccination should be followed,</li> </ul>
Pigs	All stages	<ul> <li>Add ferrous sulphate to the udder of the mother to supplement the iron demand of the new borns,</li> <li>Provide paddy straw to the newly born to ward off extreme cold,</li> </ul>
Cattle	All stages	<ul> <li>Deworming/vaccinations</li> <li>Provide paddy straws for cushioning to the newly born calves,</li> <li>Lighting to maintain warmth in the shade,</li> <li>As green feeds supply will decrease, provide quality feeds,</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> <li>Harvest of mature fish,</li> </ul>
condition	s or call at 0379522624	te Agril Staff or KVK staff for any queries/measures against adverse 7/37



ICAR Research Complex for NEH Region, Arunachal Pradesh Centre

West Siang, Basar – 791 101





Weather during the period

#### No:-64/2013-14/Tue

Dated: 17<sup>th</sup> December, 2013

Rainfall: -

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- Changlang -0.0 mm . Miao - 0.6 mm

# Weather Forecast

- **<u>Rainfall</u>**: Clear/dry weather-next 2/3 days with thick fog/cold morning & thereafter partially cloudy • weather-few places forecasted.
- **<u>Temperature</u>** The temperature is likely to be in the range of 5-23 °C. •
- **<u>Relative Humidity</u>** The RH is likely to be in the range of 21-86 %. •

Crop	Stage	Pest/Disease		Precautionary Practices to be followed
		VE	G	ETABLE CROPS
Cauliflower/ Cabbage/ Brocolli/ Knolkhol	Vegetative/ Maturing/ Harvest	Cut worm	•	Harvest mature crop, Weeding may be done, In late sown crop, monitor the crop against attack of cut worm,
French bean	Vegetative Fruiting	Cercospora Leaf Spot	•	If symptoms appear spraying of Dithane M45 @ 2.5 grams per litre of water is advised, FIELD CROPS
Potato	Tuber formation		•	Monitor the crop against attack of late blight and other abnormal development,
Mustard	Flowering/ Pod formation	Powdery mildew/ Downy mildew	•	Present weather conditions are highly favourable for attack of diseases. Closely monitor the crop, If severity of diseases is high apply Redomil MZ @2.5 grams per litre of water, In late sown crop, thinning may be done to maintain proper plant count,
Honey bee			•	Cover hives with insulating materials/reduce hive entrance /keep in sunny place, Provide sugar solution or honey at the entrance of the hive,
			]	FRUIT CROPS
Khasi Mandarin	Harvesting	Trunk borer/ Fruit fly	•	Harvest the fruit maintaining some leaves. Also, as far as possible avoid damage to the fruit, In present weather conditions regularly collect and dispose off fallen fruits to reduce fruit fly population,
Banana	All stages	Pseudostem weevil	•	Bordeaux pasting, Removal of heavily infested plants and deep burial in the pits, Cleaning around the crop,
		LIVESTOC	KS	and VETERINARY ASPECT
Livestock	Stage	Disease		Precautionary Practices to be followed
Poultry	All stages		•	Properly dispose carcass of poultry brought from market as they are the main cause of diseases. As New Year and other functions are being celebrated all around, the demand for chicken is high which is meet with from supply outside. These poultry carry the diseases to the local birds of the state. Newly born chicks-Provide heat source/limit ventilation, Schedule vaccination should be followed,
Pigs	All stages		• •	Add ferrous sulphate to the udder of the mother to supplement the iron demand of the new borns, Provide paddy straw to the newly born to ward off extreme cold,
Cattle	All stages		•	Deworming/vaccinations Provide paddy straws for cushioning to the newly born

		<ul><li>calves,</li><li>Lighting to maintain warmth in the shade,</li><li>As green feeds supply will decrease, provide quality feeds,</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> <li>Harvest of mature fish,</li> </ul>			
	• Contact Scientists (ICAR) or State Agril Staff or KVK staff for any queries/measures against adverse conditions or call at 03795226247/37				



ICAR Research Complex for NEH Region, Arunachal Pradesh Centre

<u>West Siang, Basar – 791 101</u>



# (Dibang Valley)

Weather during the period

#### <u>No:-64/2013-14/Tue</u>

Dated: 17<sup>th</sup> December, 2013

- <u>Rainfall</u>: -
  - Roing –NA
    - Anini 6.0 mm

#### Weather Forecast

- **<u>Rainfall:</u>** Clear/dry weather-next 2/3 days with cold morning and partially cloudy weather on some days-fcst.
- <u>**Temperature**</u> Temperature will vary between 4-17°C.
- **<u>Relative Humidity</u>** The RH is likely to be in the range of 21-76 %.

Crop	Stage	Pest/Disease		Precautionary Practices to be followed			
VEGETABLE CROPS							
Cauliflower/ Cabbage/ Brocolli/ Knolkhol	Vegetative/ Maturing/ Harvest	Cut worm	•	Harvest mature crop, Weeding may be done, In late sown crop, monitor the crop against attack of cut worm,			
French bean	Vegetative Fruiting	Cercospora Leaf Spot	•	If symptoms appear spraying of Dithane M45 @ 2.5 grams per litre of water is advised,			
				FIELD CROPS			
Potato	Tuber formation		•	Monitor the crop against attack of late blight and other abnormal development,			
Mustard	Flowering/ Pod formation	Powdery mildew/ Downy mildew	•	Present weather conditions are highly favourable for attack of diseases. Closely monitor the crop, If severity of diseases is high apply Redomil MZ @2.5 grams per litre of water, In late sown crop, thinning may be done to maintain proper plant count,			
Honey bee			•	Cover hives with insulating materials/reduce hive entrance /keep in sunny place, Provide sugar solution or honey at the entrance of the hive,			
				FRUIT CROPS			
Khasi Mandarin	Harvesting	Trunk borer/ Fruit fly	•	Harvest the fruit maintaining some leaves. Also, as far as possible avoid damage to the fruit, In present weather conditions regularly collect and dispose off fallen fruits to reduce fruit fly population,			
Banana	All stages	Pseudostem weevil	•	Bordeaux pasting, Removal of heavily infested plants and deep burial in the pits, Cleaning around the crop,			
		1	.N3	S and VETERINARY ASPECT			
Livestock	Stage	Disease		Precautionary Practices to be followed			
Poultry	All stages		•	Properly dispose carcass of poultry brought from market as they are the main cause of diseases. As New Year and other functions are being celebrated all around, the demand for chicken is high which is meet with from supply outside. These poultry carry the diseases to the local birds of the state. Newly born chicks-Provide heat source/limit ventilation, Schedule vaccination should be followed,			
Pigs	All stages		•	Add ferrous sulphate to the udder of the mother to supplement the iron demand of the new borns, Provide paddy straw to the newly born to ward off extreme cold,			
Cattle	All stages		•	Deworming/vaccinations Provide paddy straws for cushioning to the newly born calves,			

		•	Lightin	g to maintain warmth in the shade,
		•	As gree	n feeds supply will decrease, provide quality feeds,
Fish	All stages	•	Mainta	in adequate water level in the pond,
		•		se the quantity of feed due to low activities or else feed in the warm hours,
		•	Harves	t of mature fish,
<ul> <li>Contact Scientists (ICAR) or State Agril Staff or KVK staff for any queries/measures against adverse conditions or call at 03795226247/37</li> </ul>				



ICAR Research Complex for NEH Region, Arunachal Pradesh Centre

<u>West Siang, Basar – 791 101</u>



# (East Kameng)

<u>No:-64/2013-14/Tue</u>

#### Dated: 17<sup>th</sup> December, 2013

Rainfall: -

• Seppa -6.0 mm

#### Weather Forecast

Weather during the period

• **<u>Rainfall</u>**: Clear/dry weather-next 2/3 days with fog/cold morning & thereafter partially cloudy weather-few places fcst.

• <u>**Temperature**</u> The temperature is likely to be in the range of 2-11 °C.

• <u>**Relative Humidity</u>** - The RH is likely to be in the range of 27-84 %.</u>

Crop	Stage	Pest/Disease	Precautionary Practices to be followed
		V	EGETABLE CROPS
Cauliflower/	Vegetative/	Cut worm	• Harvest mature crop,
Cabbage/	Maturing/		• Weeding may be done,
Brocolli/	Harvest		• In late sown crop, monitor the crop against attack of cut
Knolkhol			worm,
French bean	Vegetative	Cercospora	• If symptoms appear spraying of Dithane M45 @ 2.5 grams
	Fruiting	Leaf Spot	per litre of water is advised,
			FIELD CROPS
Potato	Tuber		• Monitor the crop against attack of late blight and other
	formation		abnormal development,
Mustard	Flowering/	Powdery	• Present weather conditions are highly favourable for attack
	Pod	mildew/	of diseases. Closely monitor the crop,
	formation	Downy	• If severity of diseases is high apply Redomil MZ @2.5 grams
		mildew	per litre of water,
			• In late sown crop, thinning may be done to maintain proper
			plant count,
Honey bee			• Cover hives with insulating materials/reduce hive entrance
			/keep in sunny place,
			• Provide sugar solution or honey at the entrance of the hive,
		1	FRUIT CROPS
Khasi	Harvesting		• Harvest the fruit maintaining some leaves. Also, as far as
Mandarin		<b>T</b> 11 (	possible avoid damage to the fruit,
		Trunk borer/	• In present weather conditions regularly collect and dispose
		Fruit fly	off fallen fruits to reduce fruit fly population,
	A 44 .		Bordeaux pasting,
Banana	All stages	Pseudostem	• Removal of heavily infested plants and deep burial in the
		weevil	pits,
			Cleaning around the crop,
		LIVESTOC	KS and VETERINARY ASPECT
Livestock	Stage	Disease	Precautionary Practices to be followed
Poultry	All stages		• Properly dispose carcass of poultry brought from market as
			they are the main cause of diseases. As New Year and
			other functions are being celebrated all around, the
			demand for chicken is high which is meet with from
			supply outside. These poultry carry the diseases to the
			local birds of the state.
			• Newly born chicks-Provide heat source/limit ventilation,
			Schedule vaccination should be followed,
Pigs	All stages		• Add ferrous sulphate to the udder of the mother to
			supplement the iron demand of the new borns,
			• Provide paddy straw to the newly born to ward off extreme
			cold,
Cattle	All stages		Deworming/vaccinations
		1	• Provide paddy straws for cushioning to the newly born

		<ul> <li>calves,</li> <li>Lighting to maintain warmth in the shade,</li> <li>As green feeds supply will decrease, provide quality feeds,</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> <li>Harvest of mature fish,</li> </ul>
	Scientists (ICAR) or S s or call at 037952262	tate Agril Staff or KVK staff for any queries/measures against adverse 47/37