

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



### (Changlang)

No: -18/2013-14/Tue Dated: 11<sup>th</sup> June, 2013

# Weather during the period

- Rainfall: -
  - Changlang –NA
  - Miao- 8.7 mm

#### **Weather Forecast**

- Rainfall Clear warm and dry weather is forecasted for next 3/4 days.
- <u>Temperature</u> The temperature is likely to be in the range of 20-34°C.
- Relative Humidity The RH is likely to be in the range of 35-85 %.

BQ&HS

### Weather Based Agro-meteorological Advisories Bulletin

Crop	Stage	Pest/Disease	Precautionary Practices to be followed
			EGETABLE CROPS
		T -	apply protective irrigation to the vegetable crops.
Cucurbits	Flowering/ Fruiting/ Harvesting	Fruit Fly	<ul> <li>Mulching with locally available weeds to conserve moisture,</li> <li>Interculture operations</li> <li>Collection and deep burying of infected fruit. Installation of pheromone traps.</li> <li>It is advised to avoid allowing fruit to come in direct contact with the soil as it may attract insects and diseases.</li> </ul>
Tomato Brinjal	Nursery Transplanting	Damping off	Transplanting of mature seedlings maintaining proper moisture level in the soil,
Beans/ French Bean	Fruiting/ Harvesting		<ul> <li>Mulching with locally available weeds to conserve moisture,</li> <li>Light interculture and earthing up,</li> </ul>
Ladies Finger	Flowering/ Fruiting		Light interculture operations,
		1	FIELD CROPS
WRC rice- early crop	Transplant	Blast Yellow stem borer	<ul> <li>Spraying of crop with Carbandazim 50 WP @ 1 grams per litre of water both in nursery and in main crop is advised,</li> <li>Collection and destruction of egg masses (Yellow cottony mass) is advised. Cut off the tips of the seedlings to kill the egg masses.</li> </ul>
Maize	Vegetative/ Cob formation	Cob borer Stem borer	<ul> <li>Regular monitoring against attack of cob borer,</li> <li>Spraying with</li> </ul>
Green gram	Vegetative	Beetle/	<ul><li>Spraying with a contact insecticide on a clear day,</li><li>Interculture operations,</li></ul>
			FRUIT CROPS
Lemon/other citrus fruits	Fruiting Nursery	Trunk Borer Citrus butterfly	<ul> <li>In present weather conditions, trunk borer adults can be seen in the tree. Manually collect and destroy the adults,</li> <li>Intercropping with any pulse crop is advised,</li> <li>Interculture operations,</li> <li>Bordeaux pasting of the trunk,</li> <li>Hand picking of larvae and its destruction,</li> <li>LIVESTOCKS</li> </ul>
Livestock	Stage	Disease	Precautionary Practices to be followed
	Stage		•
Poultry	All stages	Ranikhet	<ul> <li>Provide adequate clean drinking water to the birds,</li> <li>Provide multivitamin,</li> <li>Proper vaccination with Briben Plus at recommended dose,</li> </ul>
Pigs	All stages	Swine fever	<ul> <li>Wallowing should be encouraged,</li> <li>New Born - Provide cushioning material,</li> <li>Vaccination against swine fever,</li> </ul>
Cattle	All stages	FMD	<ul> <li>Provide adequate clean drinking water to the birds,</li> </ul>

Vaccination against FMD,

		Ecto-parasite Digestive problems		Regular monitoring, Ruchamax at recommended dose,
Goat/Sheep	All stages	Digestive problems	•	Ruchamax at recommended dose,

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



# (Dibang Valley)

No: -18/2013-14/Tue Dated: 11<sup>th</sup> June, 2013

# Weather during the period

- Rainfall: -
  - Roing NA
  - Anini 0.0 mm

#### **Weather Forecast**

- Rainfall Clear and dry weather is forecasted for next 3/4 days.
- <u>Temperature</u> The temperature is likely to be in the range of 15-30 °C.
- **Relative Humidity** The RH is likely to be in the range of 26-90%.

### Weather Based Agro-meteorological Advisories Bulletin

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Crop	Stage	Pest/Disease		Precautionary Practices to be followed
				GETABLE CROPS
		_•	app	ply protective irrigation to the vegetable crops.
Cucurbits	Flowering/ Fruiting/ Harvesting	Fruit Fly	•	Mulching with locally available weeds to conserve moisture, Interculture operations Collection and deep burying of infected fruit. Installation of pheromone traps. It is advised to avoid allowing fruit to come in direct contact
Tomato Brinjal	Nursery Transplanting	Damping off	•	with the soil as it may attract insects and diseases.  Transplanting of mature seedlings maintaining proper moisture level in the soil,
Beans/ French Bean Ladies Finger	Fruiting/ Harvesting Flowering/		•	Mulching with locally available weeds to conserve moisture, Light interculture and earthing up, Light interculture operations,
	Fruiting			EIELD ODORG
Jhum Rice	Vegetative	Blast		FIELD CROPS  Servering of comparable Control of Control
Jnum Rice	vegetative	Yellow stem borer	•	Spraying of crop with Carbandazim 50 WP @ 1 grams per litre of water is advised, Collection of egg masses (Yellow cottony mass) is advised.
WRC rice-	Transplant	Blast	•	Interculture operations, Spraying of crop with Carbandazim 50 WP @ 1 grams per
early crop	Transplant	Yellow stem borer	•	litre of water both in nursery and in main crop is advised, Collection and destruction of egg masses (Yellow cottony mass) is advised. Cut off the tips of the seedlings to kill the egg masses.
Maize	Vegetative/ Cob formation	Cob borer Stem borer	•	Regular monitoring against attack of cob borer,
Soybean	Vegetative		•	Interculture operations,
Black gram	Vegetative	Beetle/	•	Spraying with a contact insecticide, Interculture operations,
Green gram	Vegetative	Beetle/	•	Spraying with a contact insecticide on a clear day, Interculture operations,
Potato	Tuber formation	Late blight	•	Monitoring the crop against attack of late blight, Proper drainage facility should be insured, FRUIT CROPS
Khasi	Fruiting	Trunk Borer	•	
Mandarin	Nursery	Citrus butterfly	•	In present weather conditions, trunk borer adults can be seen in the tree. Manually collect and destroy the adults, Intercropping with any pulse crop is advised, Interculture operations,
			•	Bordeaux pasting of the trunk, Hand picking of larvae and its destruction,
Apple	Fruiting	Wooly Aphid	•	Application of paradiclorobenzene at 2 meter away from the

trunk is advised,

			- wake proper dramage racinty in the crop area;			
Banana	All stages	Scary beetles	<ul> <li>Apply Malathion dust 5D inside the whorl of the plant,</li> <li>Bagging with 5 % perforated polythene bags,</li> <li>Planting of new saplings may be done in present weather,</li> </ul>			
LIVESTOCKS						
Livestock	Stage	Disease	Precautionary Practices to be followed			
Poultry	All stages	Ranikhet	<ul> <li>Provide adequate clean drinking water to the birds,</li> <li>Provide multivitamin,</li> <li>Proper vaccination with Briben Plus at recommended dose,</li> </ul>			
Pigs	All stages	Swine fever	<ul> <li>Wallowing should be encouraged,</li> <li>New Born - Provide cushioning material,</li> <li>Vaccination against swine fever,</li> </ul>			
Cattle	All stages	FMD BQ&HS Ecto-parasite Digestive problems	<ul> <li>Provide adequate clean drinking water to the birds,</li> <li>Vaccination against FMD,</li> <li>Regular monitoring,</li> <li>Ruchamax at recommended dose,</li> </ul>			
Goat/Sheep	All stages	Digestive problems	Ruchamax at recommended dose,			
Contact Sci	C C					

Hand collection of the insects and its destruction,

Make proper drainage facility in the crop area,

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Kiwi

Flowering

Fruiting

call at 03795226247/37

Leaf eating

beetle







### (East Kameng)

No: -18/2013-14/Tue Dated: 11<sup>th</sup> June, 2013

### Weather during the period

Rainfall: -

• Seppa – 43.0 mm

#### **Weather Forecast**

- <u>Rainfall</u> Clear, hot and dry weather is forecasted for next 1/2 days and thereafter overcast weather with moderate rains is forecasted
- **Temperature** The temperature is likely to be in the range of 22-35°C.
- Relative Humidity The RH is likely to be in the range of 42-84 %.

Crop	Stage	Pest/Disease	Precautionary Practices to be followed		
<b>F</b>	· · · · · · · · · · · · · · · · ·		EGETABLE CROPS		
Wherever i	rrigation facil	ity is available,	apply protective irrigation to the vegetable crops.		
Cucurbits	Flowering/ Fruiting/ Harvesting	Fruit Fly	<ul> <li>Mulching with locally available weeds to conserve moisture,</li> <li>Interculture operations</li> <li>Collection and deep burying of infected fruit. Installation of pheromone traps.</li> <li>It is advised to avoid allowing fruit to come in direct contact</li> </ul>		
Beans/ French Bean	Fruiting/ Harvesting		<ul> <li>with the soil as it may attract insects and diseases.</li> <li>Mulching with locally available weeds to conserve moisture,</li> <li>Light interculture and earthing up,</li> </ul>		
Ladies Finger	Flowering/ Fruiting		Light interculture operations,		
		_ :	FIELD CROPS		
Jhum Rice	Vegetative	Blast Yellow stem borer	<ul> <li>Spraying of crop with Carbandazim 50 WP @ 1 grams per litre of water is advised,</li> <li>Collection of egg masses (Yellow cottony mass) is advised.</li> <li>Interculture operations,</li> </ul>		
WRC rice- early crop	Transplant	Blast Yellow stem borer	<ul> <li>Spraying of crop with Carbandazim 50 WP @ 1 grams per litre of water both in nursery and in main crop is advised,</li> <li>Collection and destruction of egg masses (Yellow cottony mass) is advised. Cut off the tips of the seedlings to kill the egg masses.</li> <li>FRUIT CROPS</li> </ul>		
Khasi	Fruiting	Trunk Borer	• In present weather conditions, trunk borer adults can be		
Mandarin Banana	Nursery  All stages	Citrus butterfly  Scary beetles	<ul> <li>seen in the tree. Manually collect and destroy the adults,</li> <li>Intercropping with any pulse crop is advised,</li> <li>Interculture operations,</li> <li>Bordeaux pasting of the trunk,</li> <li>Hand picking of larvae and its destruction,</li> <li>Apply Malathion dust 5D inside the whorl of the plant,</li> <li>Bagging with 5 % perforated polythene bags,</li> <li>Planting of new saplings may be done in present weather,</li> </ul>		
LIVESTOCKS					
Livestock	Stage	Disease	Precautionary Practices to be followed		
Poultry	All stages	Ranikhet	<ul> <li>Provide adequate clean drinking water to the birds,</li> <li>Provide multivitamin,</li> <li>Proper vaccination with Briben Plus at recommended dose,</li> </ul>		
Pigs	All stages	Swine fever	<ul> <li>Wallowing should be encouraged,</li> <li>New Born - Provide cushioning material,</li> <li>Vaccination against swine fever,</li> </ul>		

Cattle	All stages	FMD BQ&HS Ecto-parasite Digestive problems	•	Provide adequate clean drinking water to the birds, Vaccination against FMD, Regular monitoring, Ruchamax at recommended dose,
Goat/Sheep	All stages	Digestive problems	•	Ruchamax at recommended dose,

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



### (East Siang)

Dated: 11th June, 2013 No: -18/2013-14/Tue

# Weather during the period

Maximum temperature: 34.6°C Minimum Temperature: 23.9 °C

Rainfall:

Pasighat -24.3 mm Relative humidity (%): 57-93

#### **Weather Forecast**

- Rainfall Clear, hot and dry weather is forecasted for next 3/4 days.
- <u>Temperature</u> The temperature is likely to be in the range of 21-35°C.
- Relative Humidity The RH is likely to be in the range of 36-74 %.

### Weather Based Agro-meteorological Advisories Bulletin

Cross	Stage -	Pest/Disease	Dragautionary Dragticas to be followed
Crop	Stage		Precautionary Practices to be followed EGETABLE CROPS
Wherever	irrigation facil		apply protective irrigation to the vegetable crops.
Cucurbits	Flowering/	Fruit Fly	Mulching with locally available weeds to conserve
040415115	Fruiting/	11010111	moisture,
	Harvesting		<ul> <li>Interculture operations</li> </ul>
			Collection and deep burying of infected fruit. Installation of
			pheromone traps.
			It is advised to avoid allowing fruit to come in direct
			contact with the soil as it may attract insects and diseases.
Tomato	Nursery	Damping off	Transplanting of mature seedlings maintaining proper
Brinjal	Transplanting		moisture level in the soil,
Beans/	Fruiting/		<ul> <li>Mulching with locally available weeds to conserve</li> </ul>
French Bean	Harvesting		moisture,
			Light interculture and earthing up,
Ladies Finger	Flowering/		Light interculture operations,
	Fruiting		EVEL D OD ODG
Jhum Rice	Vacatativa	Dloot	FIELD CROPS
Jnum Rice	Vegetative	Blast	• Spraying of crop with Carbandazim 50 WP @ 1 grams per litre of water is advised,
		Yellow stem	<ul> <li>Collection of egg masses (Yellow cottony mass) is advised.</li> </ul>
		borer	<ul> <li>Interculture operations,</li> </ul>
WRC rice-	Transplant	Blast	<ul> <li>Spraying of crop with Carbandazim 50 WP @ 1 grams per</li> </ul>
early crop	Tunspun	Diast	litre of water both in nursery and in main crop is advised,
		Yellow stem	<ul> <li>Collection and destruction of egg masses (Yellow cottony</li> </ul>
		borer	mass) is advised. Cut off the tips of the seedlings to kill the
			egg masses.
WRC rice –	Nursery		Maintain adequate moisture level in the nursery,
Main (Mipun)			Before sowing, treat seeds with solution of Carbandazim
			50WP @ 1 grams in one litre of water per kilogram of
			seeds.
Maize	Vegetative/	Cob borer	Regular monitoring against attack of cob borer,
	Cob	Stem borer	
Soybean	formation Vegetative		- Internality of an austion of
		D (1 /	Interculture operations,
Black gram	Vegetative	Beetle/	Spraying with a contact insecticide,
	<b>T7</b>	D 41 /	Interculture operations,
Green gram	Vegetative	Beetle/	Spraying with a contact insecticide on a clear day,  Let a series a series as a serie
			• Interculture operations,
Khasi	Emitina	Tarranta Domain	FRUIT CROPS
Knası Mandarin	Fruiting Nursery	Trunk Borer	• In present weather conditions, trunk borer adults can be
manuann	ruiscry	Citrus	<ul> <li>seen in the tree. Manually collect and destroy the adults,</li> <li>Intercropping with any pulse crop is advised.</li> </ul>
		butterfly	Therefore with any passe crop is an incom,
		2 dittilly	• Interculture operations,

			Bordeaux pasting of the trunk,				
			Hand picking of larvae and its destruction,				
Banana	All stages	Scary beetles	• Apply Malathion dust 5D inside the whorl of the plant,				
			• Bagging with 5 % perforated polythene bags,				
			• Planting of new saplings may be done in present weather,				
	LIVESTOCKS						
Livestock	Stage	Disease	Precautionary Practices to be followed				
Poultry	All stages	Ranikhet	Provide adequate clean drinking water to the birds,				
			Provide multivitamin,				
			• Proper vaccination with Briben Plus at recommended dose,				
Pigs	All stages	Swine fever	Wallowing should be encouraged,				
			• New Born - Provide cushioning material,				
			• Vaccination against swine fever,				
Cattle	All stages	FMD	• Provide adequate clean drinking water to the birds,				
		BQ&HS	• Vaccination against FMD,				
		Ecto-parasite	• Regular monitoring,				
		Digestive problems	• Ruchamax at recommended dose,				
Goat/Sheep	All stages	Digestive problems	Ruchamax at recommended dose,				

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



### (Lohit)

No: -18/2013-14/Tue Dated: 11<sup>th</sup> June, 2013

# Weather during the period

- Rainfall: -
  - Tezu 5.0 mm
  - Namsai 5.4 mm

#### **Weather Forecast**

- Rainfall Clear, hot and dry weather is forecasted for next 3/4 days.
- <u>Temperature</u> The temperature is likely to be in the range of 20-32°C.

Ecto-parasite •

• Relative Humidity - The RH is likely to be in the range of 39-88 %.

### Weather Based Agro-meteorological Advisories Bulletin

Crop	Stage	Pest/Disease	Precautionary Practices to be followed
		V	EGETABLE CROPS
	rrigation facil		apply protective irrigation to the vegetable crops.
Cucurbits	Flowering/ Fruiting/ Harvesting	Fruit Fly	<ul> <li>Mulching with locally available weeds to conserve moisture,</li> <li>Interculture operations</li> <li>Collection and deep burying of infected fruit. Installation of pheromone traps.</li> <li>It is advised to avoid allowing fruit to come in direct contact with the soil as it may attract insects and diseases.</li> </ul>
Tomato Brinjal	Nursery Transplanting	Damping off	Transplanting of mature seedlings maintaining proper moisture level in the soil,
Beans/ French Bean Ladies Finger	Fruiting/ Harvesting Flowering/		<ul> <li>Mulching with locally available weeds to conserve moisture,</li> <li>Light interculture and earthing up,</li> <li>Light interculture operations,</li> </ul>
	Fruiting		
			FIELD CROPS
WRC rice- early crop	Transplant	Blast Yellow stem borer	<ul> <li>Spraying of crop with Carbandazim 50 WP @ 1 grams per litre of water both in nursery and in main crop is advised,</li> <li>Collection and destruction of egg masses (Yellow cottony mass) is advised. Cut off the tips of the seedlings to kill the</li> </ul>
Maize	Vegetative/ Cob formation	Cob borer Stem borer	<ul> <li>egg masses.</li> <li>Regular monitoring against attack of cob borer,</li> <li>Spraying with</li> </ul>
Green gram	Vegetative	Beetle/	<ul> <li>Spraying with a contact insecticide on a clear day,</li> <li>Interculture operations,</li> <li>FRUIT CROPS</li> </ul>
Lemon/other citrus fruits	Fruiting Nursery	Citrus butterfly	<ul> <li>In present weather conditions, trunk borer adults can be seen in the tree. Manually collect and destroy the adults,</li> <li>Intercropping with any pulse crop is advised,</li> <li>Interculture operations,</li> <li>Bordeaux pasting of the trunk,</li> <li>Hand picking of larvae and its destruction,</li> </ul>
			LIVESTOCKS
Livestock	Stage	Disease	Precautionary Practices to be followed
Poultry	All stages	Ranikhet	<ul> <li>Provide adequate clean drinking water to the birds,</li> <li>Provide multivitamin,</li> <li>Proper vaccination with Briben Plus at recommended dose,</li> </ul>
Pigs	All stages	Swine fever	<ul> <li>Wallowing should be encouraged,</li> <li>New Born - Provide cushioning material,</li> <li>Vaccination against swine fever,</li> </ul>
Cattle	All stages	FMD BQ&HS	<ul> <li>Provide adequate clean drinking water to the birds,</li> <li>Vaccination against FMD,</li> </ul>

Regular monitoring,

		Digestive problems	Ruchamax at recommended dose,
Goat/Sheep	All stages	Digestive problems	Ruchamax at recommended dose,

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ICAR Research Complex for NEH Region, Arunachal Pradesh Centre

West Siang, Basar – 791 101



### (Lower Subansiri)

No: -18/2013-14/Tue Dated: 11<sup>th</sup> June, 2013

### Weather during the period

• Rainfall: -

1. Ziro -NA

#### **Weather Forecast**

- Rainfall Clear, hot and dry weather is forecasted for next 3/4 days.
- <u>Temperature</u> The temperature is likely to be in the range of 19-32°C.

Ecto-parasite •

• Relative Humidity - The RH is likely to be in the range of 42-90 %.

#### Weather Based Agro-meteorological Advisories Bulletin

Crop	Stage	Pest/Disease		Precautionary Practices to be followed
*		V	EG	ETABLE CROPS
Wherever	irrigation facil	ity is available,	appl	ly protective irrigation to the vegetable crops.
Cucurbits	Flowering/ Fruiting/ Harvesting	Fruit Fly	•	Mulching with locally available weeds to conserve moisture, Interculture operations Collection and deep burying of infected fruit. Installation of
			•	pheromone traps. It is advised to avoid allowing fruit to come in direct contact with the soil as it may attract insects and diseases.
Tomato Brinjal	Nursery Transplanting	Damping off	•	Transplanting of mature seedlings maintaining proper moisture level in the soil,
				FIELD CROPS
Jhum Rice	Vegetative	Blast	•	Spraying of crop with Carbandazim 50 WP @ 1 grams per litre of water is advised,
		Yellow stem borer	•	Collection of egg masses (Yellow cottony mass) is advised. Interculture operations,
WRC rice- early crop	Transplant	Blast	•	Spraying of crop with Carbandazim 50 WP @ 1 grams per litre of water both in nursery and in main crop is advised,
		Yellow stem borer	•	Collection and destruction of egg masses (Yellow cottony mass) is advised. Cut off the tips of the seedlings to kill the egg masses.
Potato	Tuber formation	Late blight	•	Monitoring the crop against attack of late blight, Proper drainage facility should be insured,
				FRUIT CROPS
Khasi	Fruiting	Trunk Borer	•	In present weather conditions, trunk borer adults can be
Mandarin	Nursery			seen in the tree. Manually collect and destroy the adults,
		Citrus	•	Intercropping with any pulse crop is advised,
		butterfly	•	Interculture operations,
			•	Bordeaux pasting of the trunk,
			•	Hand picking of larvae and its destruction,
Apple	Fruiting	Wooly Aphid	•	Application of paradiclorobenzene at 2 meter away from th trunk is advised,
Kiwi	Flowering	Leaf eating	•	Hand collection of the insects and its destruction,
	Fruiting	beetle	•	Make proper drainage facility in the crop area,  LIVESTOCKS
Livestock	Stage	Disease		Precautionary Practices to be followed
Poultry	All stages	Ranikhet	•	Provide adequate clean drinking water to the birds, Provide multivitamin,
Dias	A 11 ata asa	Cyrina farras	•	Proper vaccination with Briben Plus at recommended dose,
Pigs	All stages	Swine fever	•	Wallowing should be encouraged,  New Born - Provide cushioning material,  Vaccination against swing forces
Cattle	All stages	FMD BQ&HS	•	Vaccination against swine fever,  Provide adequate clean drinking water to the birds,  Vaccination against FMD,

Regular monitoring,

		Digestive problems	Ruchamax at recommended dose,
Goat/Sheep	All stages	Digestive problems	Ruchamax at recommended dose,

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



# (Papum Pare)

No: -18/2013-14/Tue Dated: 11<sup>th</sup> June, 2013

### Weather during the period

Maximum temperature: 33.2 °C
Minimum Temperature: 24.3 °C
Relative Humidity (%):63-95

• Rainfall: -

Itanagar – 8.6 mm
 Naharlagun – 7.7 mm

### **Weather Forecast**

- Rainfall Clear, hot and dry weather is forecasted for next 2/3 days.
- <u>Temperature</u> The temperature is likely to be in the range of 24-36°C.
- Relative Humidity The RH is likely to be in the range of 45-91 %.

Crop	Stage	Pest/Disease	Precautionary Practices to be followed
			EGETABLE CROPS
			apply protective irrigation to the vegetable crops.
Cucurbits	Flowering/ Fruiting/ Harvesting	Fruit Fly	<ul> <li>Mulching with locally available weeds to conserve moisture,</li> <li>Interculture operations</li> <li>Collection and deep burying of infected fruit. Installation of pheromone traps.</li> <li>It is advised to avoid allowing fruit to come in direct contact with the soil as it may attract insects and diseases.</li> </ul>
Tomato Brinjal	Nursery Transplanting	Damping off	• Transplanting of mature seedlings maintaining proper moisture level in the soil,
Beans/ French Bean	Fruiting/ Harvesting		<ul> <li>Mulching with locally available weeds to conserve moisture,</li> <li>Light interculture and earthing up,</li> </ul>
Ladies Finger	Flowering/ Fruiting		Light interculture operations,
			FIELD CROPS
Jhum Rice	Vegetative	Blast Yellow stem borer	<ul> <li>Spraying of crop with Carbandazim 50 WP @ 1 grams per litre of water is advised,</li> <li>Collection of egg masses (Yellow cottony mass) is advised.</li> <li>Interculture operations,</li> </ul>
WRC rice- early crop	Transplant	Blast Yellow stem borer	<ul> <li>Spraying of crop with Carbandazim 50 WP @ 1 grams per litre of water both in nursery and in main crop is advised,</li> <li>Collection and destruction of egg masses (Yellow cottony mass) is advised. Cut off the tips of the seedlings to kill the egg masses.</li> </ul>
WRC rice – Main ( <i>Mipun</i> )	Nursery		<ul> <li>Maintain adequate moisture level in the nursery,</li> <li>Before sowing, treat seeds with solution of Carbandazim 50WP @ 1 grams in one litre of water per kilogram of seeds.</li> </ul>
Maize	Vegetative/ Cob formation	Cob borer Stem borer	Regular monitoring against attack of cob borer,
Potato	Tuber formation	Late blight	<ul> <li>Monitoring the crop against attack of late blight,</li> <li>Proper drainage facility should be insured,</li> <li>FRUIT CROPS</li> </ul>
Khasi	Fruiting	Trunk Borer	• In present weather conditions, trunk borer adults can be
Mandarin	Nursery	Citrus butterfly	<ul> <li>seen in the tree. Manually collect and destroy the adults,</li> <li>Intercropping with any pulse crop is advised,</li> <li>Interculture operations,</li> <li>Bordeaux pasting of the trunk,</li> <li>Hand picking of larvae and its destruction,</li> </ul>
Kiwi	Flowering	Leaf eating	Hand collection of the insects and its destruction,

	Fruiting	beetle	Make proper drainage facility in the crop area,
Banana	All stages	Scary beetles	<ul> <li>Apply Malathion dust 5D inside the whorl of the plant,</li> <li>Bagging with 5 % perforated polythene bags,</li> <li>Planting of new saplings may be done in present weather,</li> </ul>
			LIVESTOCKS
Livestock	Stage	Disease	Precautionary Practices to be followed
Poultry	All stages	Ranikhet	<ul> <li>Provide adequate clean drinking water to the birds,</li> <li>Provide multivitamin,</li> <li>Proper vaccination with Briben Plus at recommended dose,</li> </ul>
Pigs	All stages	Swine fever	<ul> <li>Wallowing should be encouraged,</li> <li>New Born - Provide cushioning material,</li> <li>Vaccination against swine fever,</li> </ul>
Cattle	All stages	FMD BQ&HS Ecto-parasite Digestive problems	<ul> <li>Provide adequate clean drinking water to the birds,</li> <li>Vaccination against FMD,</li> <li>Regular monitoring,</li> <li>Ruchamax at recommended dose,</li> </ul>
Goat/Sheep	All stages	Digestive problems	Ruchamax at recommended dose,

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



### (Tawang)

No: -18/2013-14/Tue Dated: 11<sup>th</sup> June, 2013

### Weather during the period

- Rainfall: -
  - 1. Tawang 6.0 mm

### **Weather Forecast**

- Rainfall Clear/partially cloudy weather for next 2/3 days and thereafter light rains are forecasted.
- <u>Temperature</u> The temperature is likely to be in the range of 10-20°C.
- Relative Humidity The RH is likely to be in the range of 43-89 %.

#### Weather Based Agro-meteorological Advisories Bulletin

Crop	Stage	Pest/Disease	Precautionary Practices to be followed		
Apple	Fruiting	Wooly Aphid	• Application of paradiclorobenzene at 2 meter away from the trunk is advised,		
Kiwi	Flowering	Leaf eating	Hand collection of the insects and its destruction,		
	Fruiting	beetle	Make proper drainage facility in the crop area,		
Potato	Tuber	Late blight	Monitoring the crop against attack of late blight,		
	formation		Proper drainage facility should be insured,		
LIVESTOCKS					
Livestock	Stage	Disease	Precautionary Practices to be followed		
Poultry	All stages	Ranikhet	• Provide adequate clean drinking water to the birds,		
			Provide multivitamin,		
			Proper vaccination with Briben Plus at recommended dose,		
Cattle	All stages	FMD	• Provide adequate clean drinking water to the birds,		
		BQ&HS	Vaccination against FMD,		
		Ecto-parasite	Regular monitoring,		
		Digestive problems	Ruchamax at recommended dose,		
Goat/Sheep	All stages	Digestive problems	Ruchamax at recommended dose,		

Contact Scientists (ICAR) or State Agril Staff or KVK staff for measures against adverse conditions or call at 03795222247 (KVK, West Siang)

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West Siang, Basar – 791 101



### (Tirap)

No: -18/2013-14/Tue Dated: 11<sup>th</sup> June, 2013

# Weather during the period

- Rainfall: -
  - Khonsa –NA
  - <u>Deomali</u> –31.8 mm

### **Weather Forecast**

- Rainfall Clear, hot and dry weather is forecasted for next 3/4 days.
- <u>Temperature</u> The temperature is likely to be in the range of 20-35°C.

Ecto-parasite •

• **Relative Humidity** - The RH is likely to be in the range of 32-81 %.

### Weather Based Agro-meteorological Advisories Bulletin

			o-meteorological Advisories Dunetin
Crop	Stage	Pest/Disease	Precautionary Practices to be followed
			EGETABLE CROPS
			apply protective irrigation to the vegetable crops.
Cucurbits	Flowering/ Fruiting/ Harvesting	Fruit Fly	<ul> <li>Mulching with locally available weeds to conserve moisture,</li> <li>Interculture operations</li> <li>Collection and deep burying of infected fruit. Installation of pheromone traps.</li> <li>It is advised to avoid allowing fruit to come in direct contact</li> </ul>
Tomato Brinjal	Nursery Transplanting	Damping off	<ul> <li>with the soil as it may attract insects and diseases.</li> <li>Transplanting of mature seedlings maintaining proper moisture level in the soil,</li> </ul>
Beans/ French Bean	Fruiting/ Harvesting		<ul> <li>Mulching with locally available weeds to conserve moisture,</li> <li>Light interculture and earthing up,</li> </ul>
Ladies Finger	Flowering/ Fruiting		Light interculture operations,
			FIELD CROPS
WRC rice- early crop	Transplant	Blast Yellow stem borer	<ul> <li>Spraying of crop with Carbandazim 50 WP @ 1 grams per litre of water both in nursery and in main crop is advised,</li> <li>Collection and destruction of egg masses (Yellow cottony mass) is advised. Cut off the tips of the seedlings to kill the egg masses.</li> </ul>
Maize	Vegetative/ Cob formation	Cob borer Stem borer	<ul> <li>Regular monitoring against attack of cob borer,</li> <li>Spraying with</li> </ul>
Green gram	Vegetative	Beetle/	<ul> <li>Spraying with a contact insecticide on a clear day,</li> <li>Interculture operations,</li> <li>FRUIT CROPS</li> </ul>
Lemon/other	Fruiting	Trunk Borer	
citrus fruits	Nursery	Citrus butterfly	<ul> <li>seen in the tree. Manually collect and destroy the adults,</li> <li>Intercropping with any pulse crop is advised,</li> <li>Interculture operations,</li> <li>Bordeaux pasting of the trunk,</li> <li>Hand picking of larvae and its destruction,</li> <li>LIVESTOCKS</li> </ul>
<b>.</b>	C.	D'	
Livestock	Stage	Disease	Precautionary Practices to be followed
Poultry	All stages	Ranikhet	<ul> <li>Provide adequate clean drinking water to the birds,</li> <li>Provide multivitamin,</li> <li>Proper vaccination with Briben Plus at recommended dose,</li> </ul>
Pigs	All stages	Swine fever	<ul> <li>Wallowing should be encouraged,</li> <li>New Born - Provide cushioning material,</li> <li>Vaccination against swine fever,</li> </ul>
Cattle	All stages	FMD BQ&HS	<ul> <li>Provide adequate clean drinking water to the birds,</li> <li>Vaccination against FMD,</li> </ul>

Regular monitoring,

		Digestive problems	Ruchamax at recommended dose,
Goat/Sheep	All stages	Digestive problems	• Ruchamax at recommended dose,

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



### (Upper Siang)

No: -18/2013-14/Tue Dated: 11<sup>th</sup> June, 2013

# Weather during the period

- Rainfall: -
  - Tuting 81.5 mm

### **Weather Forecast**

- Rainfall Clear, hot and dry weather is forecasted for next 3/4 days.
- <u>Temperature</u> The temperature is likely to be in the range of 17-30°C.
- Relative Humidity The RH is likely to be in the range of 30-88 %.

Crop	Stage	Pest/Disease	Precautionary Practices to be followed
- <b>-</b>			EGETABLE CROPS
Wherever i	rrigation facil		apply protective irrigation to the vegetable crops.
Cucurbits	Flowering/ Fruiting/ Harvesting	Fruit Fly	<ul> <li>Mulching with locally available weeds to conserve moisture,</li> <li>Interculture operations</li> <li>Collection and deep burying of infected fruit. Installation of pheromone traps.</li> <li>It is advised to avoid allowing fruit to come in direct contact</li> </ul>
Tomato Brinjal	Nursery Transplanting	Damping off	<ul> <li>with the soil as it may attract insects and diseases.</li> <li>Transplanting of mature seedlings maintaining proper moisture level in the soil,</li> </ul>
Beans/ French Bean Ladies Finger	Fruiting/ Harvesting Flowering/		<ul> <li>Mulching with locally available weeds to conserve moisture,</li> <li>Light interculture and earthing up,</li> <li>Light interculture operations,</li> </ul>
	Fruiting		
п Б.	<b>17</b>	T)1 .	FIELD CROPS
Jhum Rice	Vegetative	Blast Yellow stem borer	<ul> <li>Spraying of crop with Carbandazim 50 WP @ 1 grams per litre of water is advised,</li> <li>Collection of egg masses (Yellow cottony mass) is advised.</li> </ul>
WRC rice- early crop	Transplant	Blast Yellow stem borer	<ul> <li>Interculture operations,</li> <li>Spraying of crop with Carbandazim 50 WP @ 1 grams per litre of water both in nursery and in main crop is advised,</li> <li>Collection and destruction of egg masses (Yellow cottony mass) is advised. Cut off the tips of the seedlings to kill the</li> </ul>
WRC rice – Main ( <i>Mipun</i> )	Nursery		<ul> <li>egg masses.</li> <li>Maintain adequate moisture level in the nursery,</li> <li>Before sowing, treat seeds with solution of Carbandazim 50WP @ 1 grams in one litre of water per kilogram of seeds.</li> </ul>
Maize	Vegetative/ Cob formation	Cob borer Stem borer	Regular monitoring against attack of cob borer,
			FRUIT CROPS
Khasi Mandarin	Fruiting Nursery	Citrus butterfly	<ul> <li>In present weather conditions, trunk borer adults can be seen in the tree. Manually collect and destroy the adults,</li> <li>Intercropping with any pulse crop is advised,</li> <li>Interculture operations,</li> <li>Bordeaux pasting of the trunk,</li> <li>Hand picking of larvae and its destruction,</li> </ul>
Kiwi	Flowering Fruiting	Leaf eating beetle	<ul> <li>Hand collection of the insects and its destruction,</li> <li>Make proper drainage facility in the crop area,</li> </ul>
Banana	All stages	Scary beetles	<ul> <li>Apply Malathion dust 5D inside the whorl of the plant,</li> <li>Bagging with 5 % perforated polythene bags,</li> <li>Planting of new saplings may be done in present weather,</li> </ul>
			LIVESTOCKS

Poultry	All stages	Ranikhet	<ul> <li>Provide adequate clean drinking water to the birds,</li> <li>Provide multivitamin,</li> </ul>
			• Proper vaccination with Briben Plus at recommended dose,
Pigs	All stages	Swine fever	• Wallowing should be encouraged,
			• New Born - Provide cushioning material,
			• Vaccination against swine fever,
Cattle	All stages	FMD	• Provide adequate clean drinking water to the birds,
		BQ&HS	• Vaccination against FMD,
		Ecto-parasite	Regular monitoring,
		Digestive problems	• Ruchamax at recommended dose,
Goat/Sheep	All stages	Digestive	Ruchamax at recommended dose,
		problems	

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



## (Upper Subansiri)

No: -18/2013-14/Tue Dated: 11<sup>th</sup> June, 2013

## Weather during the period

- Rainfall: -
  - 1. Daporijo- NA

#### **Weather Forecast**

- Rainfall Clear, hot and dry weather is forecasted for next 3/4 days.
- <u>Temperature</u> The temperature is likely to be in the range of 19-30°C.
- Relative Humidity The RH is likely to be in the range of 43-90 %.

Crop	Stage	Pest/Disease		Precautionary Practices to be followed
				ETABLE CROPS
			app	ly protective irrigation to the vegetable crops/new saplings.
Cucurbits	Flowering/ Fruiting/ Harvesting	Fruit Fly	•	Mulching with locally available weeds to conserve moisture, Interculture operations Collection and deep burying of infected fruit. Installation of pheromone traps. It is advised to avoid allowing fruit to come in direct contact with the soil as it may attract insects and diseases.
Tomato Brinjal	Nursery Transplanting	Damping off	•	Transplanting of mature seedlings maintaining proper moisture level in the soil,
Beans/ French Bean	Fruiting/ Harvesting		•	Mulching with locally available weeds to conserve moisture, Light interculture and earthing up,
Ladies Finger	Flowering/ Fruiting		•	Light interculture operations,
Jhum Rice	Vegetative	Blast Yellow stem borer	•	FIELD CROPS  Spraying of crop with Carbandazim 50 WP @ 1 grams per litre of water is advised,  Collection of egg masses (Yellow cottony mass) is advised.  Interculture operations,
WRC rice- early crop	Transplant	Blast Yellow stem borer	•	Spraying of crop with Carbandazim 50 WP @ 1 grams per litre of water both in nursery and in main crop is advised, Collection and destruction of egg masses (Yellow cottony mass) is advised. Cut off the tips of the seedlings to kill the egg masses.
WRC rice – Main ( <i>Mipun</i> )	Nursery		•	Maintain adequate moisture level in the nursery, Before sowing, treat seeds with solution of Carbandazim 50WP @ 1 grams in one litre of water per kilogram of seeds.
Maize	Vegetative/ Cob formation	Cob borer Stem borer	•	Regular monitoring against attack of cob borer,
Soybean	Vegetative		•	Interculture operations,
				FRUIT CROPS
Khasi Mandarin	Fruiting Nursery	Trunk Borer Citrus butterfly	•	In present weather conditions, trunk borer adults can be seen in the tree. Manually collect and destroy the adults, Intercropping with any pulse crop is advised, Interculture operations, Bordeaux pasting of the trunk, Hand picking of larvae and its destruction,
Banana	All stages	Scary beetles	•	Apply Malathion dust 5D inside the whorl of the plant, Bagging with 5 % perforated polythene bags, Planting of new saplings may be done in present weather, LIVESTOCKS
		T		
Livestock	Stage	Disease		Precautionary Practices to be followed

			Provide multivitamin,
			• Proper vaccination with Briben Plus at recommended dose,
Pigs	All stages	Swine fever	• Wallowing should be encouraged,
			New Born - Provide cushioning material,
			Vaccination against swine fever,
Cattle	All stages	FMD	• Provide adequate clean drinking water to the birds,
		BQ&HS	Vaccination against FMD,
		Ecto-parasite	Regular monitoring,
		Digestive	Ruchamax at recommended dose,
		problems	
Goat/Sheep	All stages	Digestive	Ruchamax at recommended dose,
		problems	

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



### (West Kameng)

No: -18/2013-14/Tue Dated: 11<sup>th</sup> June, 2013

### Weather during the period

• Rainfall: - Bomdila – 17.0 mm Bhalokpung –25.4 mm

#### **Weather Forecast**

- Rainfall Clear and dry weather is forecasted for next 2/3days and thereafter light rains are forecasted.
- <u>Temperature</u> The temperature is likely to be in the range of 15-26°C.
- Relative Humidity The RH is likely to be in the range of 47-85 %.

### Weather Based Agro-meteorological Advisories Bulletin

Crop	Stage	Pest/Disease	Precautionary Practices to be followed		
Apple	Fruiting	Wooly Aphid	Application of paradiclorobenzene at 2 meter away from the		
			trunk is advised,		
Kiwi	Flowering	Leaf eating	Hand collection of the insects and its destruction,		
	Fruiting	beetle	Make proper drainage facility in the crop area,		
Potato	Tuber	Late blight	Monitoring the crop against attack of late blight,		
	formation		Proper drainage facility should be insured,		
LIVESTOCKS					
Livestock	Stage	Disease	Precautionary Practices to be followed		
Poultry	All stages	Ranikhet	• Provide adequate clean drinking water to the birds,		
			Provide multivitamin,		
			Proper vaccination with Briben Plus at recommended dose,		
Cattle	All stages	FMD	• Provide adequate clean drinking water to the birds,		
		BQ&HS	Vaccination against FMD,		
		Ecto-parasite	Regular monitoring,		
		Digestive	Ruchamax at recommended dose,		
		problems	,		
Goat/Sheep	All stages	Digestive	Ruchamax at recommended dose,		
		problems			

Contact Scientists (ICAR) or State Agril Staff or KVK staff for measures against adverse conditions or call at 03795222247 (KVK, West Siang)

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



### (West Siang)

No: -18/2013-14/Tue Dated: 11<sup>th</sup> June, 2013

## Weather during the period

• During the period weather was partially cloudy and rain was recorded.

Maximum temperature: 31.0°C
Minimum Temperature: 21.5°C

• Rainfall: 17.8 mm

Evapotranspiration: - Not AvailableRelative Humidity (%):- 92-100%

• Soil moisture ( $m^2/m^2$ ):-0.35

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

Average Wind Speed: 4.2 kmphAverage Sunshine hours: 0.2 hours

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

#### **Weather Forecast**

- Rainfall Clear, hot and dry weather is forecasted for next 3/4 days.
- <u>Temperature</u> The temperature is likely to be in the range of 21-33°C.
- Relative Humidity The RH is likely to be in the range of 42-82 %.

Crop	Stage	Pest/Disease	Precautionary Practices to be followed
			EGETABLE CROPS
Wherever	irrigation facil	ity is available,	apply protective irrigation to the vegetable crops.
Cucurbits	Flowering/ Fruiting/ Harvesting	Fruit Fly	<ul> <li>Mulching with locally available weeds to conserve moisture,</li> <li>Interculture operations</li> <li>Collection and deep burying of infected fruit. Installation of pheromone traps.</li> <li>It is advised to avoid allowing fruit to come in direct contact with the soil as it may attract insects and diseases.</li> </ul>
Tomato Brinjal	Nursery Transplanting	Damping off	Transplanting of mature seedlings maintaining proper moisture level in the soil,
Beans/ French Bean Ladies Finger	Fruiting/ Harvesting Flowering/		<ul> <li>Mulching with locally available weeds to conserve moisture,</li> <li>Light interculture and earthing up,</li> <li>Light interculture operations,</li> </ul>
Laules Filiger	Fruiting		1 ,
T Diag	<b>17</b> 4 - 4 : -	D14	FIELD CROPS
Jhum Rice	Vegetative	Blast Yellow stem borer	<ul> <li>Spraying of crop with Carbandazim 50 WP @ 1 grams per litre of water is advised,</li> <li>Collection of egg masses (Yellow cottony mass) is advised.</li> <li>Interculture operations,</li> </ul>
WRC rice- early crop	Transplant	Blast Yellow stem borer	<ul> <li>Spraying of crop with Carbandazim 50 WP @ 1 grams per litre of water both in nursery and in main crop is advised,</li> <li>Collection and destruction of egg masses (Yellow cottony mass) is advised. Cut off the tips of the seedlings to kill the egg masses.</li> </ul>
WRC rice – Main ( <i>Mipun</i> )	Nursery		<ul> <li>Maintain adequate moisture level in the nursery,</li> <li>Before sowing, treat seeds with solution of Carbandazim 50WP @ 1 grams in one litre of water per kilogram of seeds.</li> </ul>
Maize	Vegetative/ Cob formation	Cob borer Stem borer	Regular monitoring against attack of cob borer,
Soybean	Vegetative		Interculture operations,
Black gram	Vegetative	Beetle/	<ul><li>Spraying with a contact insecticide,</li><li>Interculture operations,</li></ul>
Green gram	Vegetative	Beetle/	<ul><li>Spraying with a contact insecticide on a clear day,</li><li>Interculture operations,</li></ul>

Potato	Tuber	Late blight	Monitoring the crop against attack of late blight,
	formation		Proper drainage facility should be insured,
			FRUIT CROPS
Khasi Mandarin	Fruiting Nursery	Trunk Borer  Citrus butterfly	<ul> <li>In present weather conditions, trunk borer adults can be seen in the tree. Manually collect and destroy the adults,</li> <li>Intercropping with any pulse crop is advised,</li> <li>Interculture operations,</li> <li>Bordeaux pasting of the trunk,</li> <li>Hand picking of larvae and its destruction,</li> </ul>
Apple	Fruiting	Wooly Aphid	• Application of paradiclorobenzene at 2 meter away from the trunk is advised,
Kiwi	Flowering Fruiting	Leaf eating beetle	<ul><li>Hand collection of the insects and its destruction,</li><li>Make proper drainage facility in the crop area,</li></ul>
Banana	All stages	Scary beetles	<ul> <li>Apply Malathion dust 5D inside the whorl of the plant,</li> <li>Bagging with 5 % perforated polythene bags,</li> <li>Planting of new saplings may be done in present weather,</li> <li>LIVESTOCKS</li> </ul>
T :41-	C4	Diagon	
Livestock	Stage	Disease	Precautionary Practices to be followed
Poultry	All stages	Ranikhet	<ul> <li>Provide adequate clean drinking water to the birds,</li> <li>Provide multivitamin,</li> <li>Proper vaccination with Briben Plus at recommended dose,</li> </ul>
Pigs	All stages	Swine fever	<ul> <li>Wallowing should be encouraged,</li> <li>New Born - Provide cushioning material,</li> <li>Vaccination against swine fever,</li> </ul>
Cattle	All stages	FMD BQ&HS Ecto-parasite Digestive problems	<ul> <li>Provide adequate clean drinking water to the birds,</li> <li>Vaccination against FMD,</li> <li>Regular monitoring,</li> <li>Ruchamax at recommended dose,</li> </ul>
Goat/Sheep	All stages	Digestive problems	Ruchamax at recommended dose,  Stoff or WWW stoff for management advance conditions on

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