



# Integrated Agro-Meteorological Advisory Services

ICAR Research Complex for NEH Region, Arunachal Pradesh Centre

West Siang, Basar – 791 101



(East Kameng)

No:-58/2013-14/Fri

Dated: 22<sup>nd</sup> November, 2013

## Weather during the period

### Rainfall: -

- Seppa -NA

### Weather Forecast

• <u>Rainfall</u> – Clear/Sunny weather fcted for next 2-3 days with shallow morning fog
• <u>Temperature</u> - The temperature is likely to be in the range of 4-13 °C.
• <u>Relative Humidity</u> - The RH is likely to be in the range of 37-92 %.

## Weather Based Agro-meteorological Advisories Bulletin

Crop	Stage	Pest/Disease	Precautionary Practices to be followed
VEGETABLE CROPS			
Cauliflower/ Cabbage/ Broccoli/ Knolkhol	Vegetative		<ul style="list-style-type: none"><li>• <b>Need Based irrigation</b></li><li>• <b>Light weeding is advised,</b></li></ul>
FIELD CROPS			
WRC rice – Main crop ( <i>Mipun</i> )	Maturing/ Harvesting	Rat	<ul style="list-style-type: none"><li>• <b>Threshing/Drying of harvested crop in proper way</b></li><li>• Wherever rat menace is there, install rat trap,</li><li>• When severity is high use aluminium phosphide pellets for fumigating the rat burrows,</li><li>• Herein, farmers are advised not to kill snakes as far as possible, as they are the main biological agent which check rodent population,</li></ul>
Potato	Planting/ Vegetative		<ul style="list-style-type: none"><li>• Earthing-up of sprouted potato</li><li>• Monitor the crop against attack of Cutworm,</li></ul>
Turmeric and ginger	Maturing/ harvesting	Soft rot,  Shoot borer	<ul style="list-style-type: none"><li>• To control soft rot drench soil with Dithane M-45 @ 3 g/litre at 15 days interval.</li><li>• Spray Rogor @ 0.05% if infestation is observed,</li></ul>
Mustard	Sowing/ Vegetative	Leaf eating catterpillar	<ul style="list-style-type: none"><li>• Need based irrigation for those in flowering stage</li><li>• Monitor the crop against attack of leaf eating caterpillars,</li><li>• Thinning may be done to maintain proper plant count,</li></ul>
Winter Maize	Vegetative	Cut worm	<ul style="list-style-type: none"><li>• Monitor for attack of cut worm in the germinated fields,</li><li>• Manual collection of larvae during the evening hours may be done, (If damage level is not serious). Use of Carbaryl dust in severely damaged fields may be done,</li></ul>
Pea	Field preparation Sowing		
FRUIT CROPS			
Khasi Mandarin	Fruit development	Trunk borer, Ants Lichen/ Mosses Fruit fly	<ul style="list-style-type: none"><li>• <b>In present weather conditions regularly collect and dispose off fallen fruits,</b></li><li>• In trunk borer attacked trees, cleaning of entry hole and treatment with Dichlorvos dipped cotton swabs is advised.</li><li>• Use of light trap to attract adults is also advised.</li><li>• Farmers are advised to use <i>Jaggary</i>/Malathion traps or pheromone traps to monitor the pest population and collect and destroy the adult insects. Installation of pheromone traps may also be done,</li></ul>
Honey bee			<ul style="list-style-type: none"><li>• Cover hives with insulating materials/reduce hive entrance/provide adequate ventilation/keep in sunny place</li></ul>
LIVESTOCKS			
Livestock	Stage	Disease	Precautionary Practices to be followed
Poultry	All stages		<ul style="list-style-type: none"><li>• Keep coop well ventilated/provide plenty of clean water</li><li>• Maintain warmth by lighting filament bulb in the shed,</li><li>• In egg laying birds feed, add calcium,</li><li>• Schedule vaccination should be followed,</li></ul>

Pigs	All stages		<ul style="list-style-type: none"> <li>• Provide clean water free from ice/rapid or laboured breathing needs immediate attention &amp; treatment</li> <li>• Care pregnant animals,</li> </ul>
Cattle	All stages		<ul style="list-style-type: none"> <li>• Good time to handle parasites, consult vet for deworming/vaccinations</li> </ul>
Mithun	All stages	FMD Black quarter	<ul style="list-style-type: none"> <li>• Vaccination should be done post monsoon,</li> <li>• In young ones, BQ may be observed, vaccinate the animals,</li> </ul>
Dog	All stages	Rabies,	<ul style="list-style-type: none"> <li>• Vaccinate against rabies,</li> <li>• Deworming,</li> </ul>
Goat/Sheep	All stages	PPR	<ul style="list-style-type: none"> <li>• Vaccinate against the PPR,</li> <li>• Provide mineral mixture,</li> </ul>
<ul style="list-style-type: none"> <li>• <b>Contact Scientists (ICAR) or State Agril Staff or KVK staff for any queries/measures against adverse conditions or call at 03795226247/37</b></li> </ul>			

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

Agrometeorological Field Unit  
ICAR, BASAR



# Integrated Agro-Meteorological Advisory Services

ICAR Research Complex for NEH Region, Arunachal Pradesh Centre

West Siang, Basar – 791 101



(East Siang)

No:-58/2013-14/Fri

Dated: 22<sup>nd</sup> November, 2013

## Weather during the period

- Maximum temperature: NA
- Minimum Temperature: NA
- Rainfall:  
Pasighat – NA
- Relative humidity (%): NA

## Weather Forecast

• <u>Rainfall</u> – Clear/Sunny weather fcted for next 2-3 days with shallow morning fog
• <u>Temperature</u> – Temperature will vary between 15-28°C
• <u>Relative Humidity</u> - The RH is likely to be in the range of 32-82 %.

## Weather Based Agro-meteorological Advisories Bulletin

Crop	Stage	Pest/Disease	Precautionary Practices to be followed
VEGETABLE CROPS			
Cauliflower/ Cabbage/ Broccoli/ Knolkhol	Vegetative		<ul style="list-style-type: none"><li>• <b>Need based irrigation</b></li><li>• <b>Earthing-up and Light weeding is advised,</b></li></ul>
Spinach	Sowing/ Vegetative		<ul style="list-style-type: none"><li>• Harvest mature crops,</li><li>• Sowing of certified/locally available seeds in well prepared nursery may be done,</li><li>• <b>Light interculture operations should be done,</b></li></ul>
FIELD CROPS			
WRC rice – Main crop (Mipun)	Maturing	Rat	<ul style="list-style-type: none"><li>• <b>Threshing/Drying of harvested crop in proper way</b></li><li>• Wherever rat menace is there, install rat trap,</li><li>• When severity is high use aluminium phosphide pellets for fumigating the rat burrows,</li><li>• Herein, farmers are advised not to kill snakes as far as possible, as they are the main biological agent which check rodent population,</li></ul>
Potato	Planting/ Vegetative		<ul style="list-style-type: none"><li>• Earthing-up of sprouted potato</li><li>• Monitor the crop against attack of Cutworm,</li></ul>
Turmeric and ginger	Maturing/ harvesting	Soft rot,  Shoot borer	<ul style="list-style-type: none"><li>• To control soft rot drench soil with Dithane M-45 @ 3 g/litre at 15 days interval.</li><li>• Spray Rogor @ 0.05% if infestation is observed,</li></ul>
Mustard	Sowing/ Vegetative	Leaf eating catterpillar	<ul style="list-style-type: none"><li>• Need based irrigation for those in flowering stage</li><li>• Monitor the crop against attack of leaf eating caterpillars,</li><li>• Thinning may be done to maintain proper plant count,</li></ul>
Winter Maize	Vegetative	Cut worm	<ul style="list-style-type: none"><li>• Monitor for attack of cut worm in the germinated fields,</li><li>• Manual collection of larvae during the evening hours may be done, (If damage level is not serious). Use of Carbaryl dust in severely damaged fields may be done,</li></ul>
Pea	Sowing/ Vegetative		
FRUIT CROPS			
Khasi Mandarin	Fruit development	Trunk borer, Ants Lichen/ Mosses Fruit fly	<ul style="list-style-type: none"><li>• <b>In present weather conditions regularly collect and dispose off fallen fruits,</b></li><li>• In trunk borer attacked trees, cleaning of entry hole and treatment with Dichlorvos dipped cotton swabs is advised.</li><li>• Use of light trap to attract adults is also advised.</li><li>• Farmers are advised to use <i>Jaggary</i>/Malathion traps or pheromone traps to monitor the pest population and collect and destroy the adult insects. Installation of pheromone traps may also be done,</li></ul>
LIVESTOCKS and VETERINARY ASPECT			
Livestock	Stage	Disease	Precautionary Practices to be followed
Poultry	All stages		<ul style="list-style-type: none"><li>• Keep coop well ventilated/provide plenty of clean water</li><li>• In egg laying birds feed, add calcium,</li><li>• Schedule vaccination should be followed,</li></ul>

Pigs	All stages		<ul style="list-style-type: none"><li>• Provide clean water free from ice/rapid or laboured breathing needs immediate attention &amp; treatment</li><li>• Care pregnant animals,</li></ul>
Cattle	All stages		<ul style="list-style-type: none"><li>• Good time to handle parasites, consult vet for deworming/vaccinations</li></ul>
Mithun	All stages	FMD Black quarter	<ul style="list-style-type: none"><li>• Vaccination should be done post monsoon,</li><li>• In young ones, BQ may be observed, vaccinate the animals,</li></ul>
Goat/Sheep	All stages	PPR	<ul style="list-style-type: none"><li>• Vaccinate against the PPR,</li><li>• Provide mineral mixture,</li></ul>
Fish	All stages		<ul style="list-style-type: none"><li>• Maintain adequate water level in the pond,</li><li>• Pond sides should be properly cleaned,</li><li>• Harvest of mature fish,</li></ul>
<ul style="list-style-type: none"><li>• <b>Contact Scientists (ICAR) or State Agril Staff or KVK staff for any queries/measures against adverse conditions or call at 03795226247/37</b></li></ul>			

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Agro Meteorological Field Unit  
ICAR, BASAR



# Integrated Agro-Meteorological Advisory Services

ICAR Research Complex for NEH Region, Arunachal Pradesh Centre

West Siang, Basar – 791 101



(Lohit)

No:-58/2013-14/Fri

Dated: 22<sup>nd</sup> November, 2013

## Weather during the period

- Rainfall: -
  - Tezu – NA
  - Namsai – NA

## Weather Forecast

• <u>Rainfall</u> : – Clear/Sunny weather fctsted for next 2-3 days with shallow morning fog
• <u>Temperature</u> –The temperature is likely to be in the range of 10-28°C.
• <u>Relative Humidity</u> - The RH is likely to be in the range of 28-83 %.

## Weather Based Agro-meteorological Advisories Bulletin

Crop	Stage	Pest/Disease	Precautionary Practices to be followed
<b>VEGETABLE CROPS</b>			
Cauliflower/ Cabbage/ Broccoli/ Knolkhol	Vegetative		<ul style="list-style-type: none"> <li>• Earthing-up and Light weeding is advised,</li> <li>• Need based light irrigation</li> </ul>
Spinach	Sowing/ Vegetative		<ul style="list-style-type: none"> <li>• Harvest mature crops,</li> <li>• Sowing of certified/locally available seeds in well prepared nursery may be done,</li> <li>• Light interculture operations should be done,</li> </ul>
<b>FIELD CROPS</b>			
WRC rice – Main crop (Mipun)	Maturing	Rat	<ul style="list-style-type: none"> <li>• Threshing/Drying of harvested crop in proper way</li> <li>• Wherever rat menace is there, install rat trap,</li> <li>• When severity is high use aluminium phosphide pellets for fumigating the rat burrows,</li> <li>• <i>Herein, farmers are advised not to kill snakes as far as possible, as they are the main biological agent which check rodent population,</i></li> </ul>
Potato	Planting/ Vegetative		<ul style="list-style-type: none"> <li>• Earthing-up of sprouted potato</li> <li>• Monitor the crop against attack of Cutworm,</li> </ul>
Mustard	Sowing/ Vegetative	Leaf eating catterpillar	<ul style="list-style-type: none"> <li>• Need based irrigation for those in flowering stage</li> <li>• Monitor the crop against attack of leaf eating caterpillars,</li> <li>• Thinning may be done to maintain proper plant count,</li> </ul>
<b>FRUIT CROPS</b>			
Khasi Mandarin	Fruit development	Trunk borer, Ants Lichen/ Mosses Fruit fly	<ul style="list-style-type: none"> <li>• In trunk borer attacked trees, cleaning of entry hole and treatment with Dichlorvos dipped cotton swabs is advised.</li> <li>• Use of light trap to attract adults is also advised.</li> <li>• Farmers are advised to use Jaggary/Malathion traps or pheromone traps to monitor the pest population and collect and destroy the adult insects. Installation of pheromone traps may also be done,</li> </ul>
<b>LIVESTOCKS</b>			
Livestock	Stage	Disease	Precautionary Practices to be followed
Poultry	All stages		<ul style="list-style-type: none"> <li>• Keep coop well ventilated/provide plenty of clean water</li> <li>• In egg laying birds feed, add calcium,</li> <li>• Schedule vaccination should be followed,</li> </ul>
Pigs	All stages		<ul style="list-style-type: none"> <li>• Provide clean water free from ice/rapid or laboured breathing needs immediate attention &amp; treatment</li> <li>• Care pregnant animals,</li> </ul>
Cattle	All stages		<ul style="list-style-type: none"> <li>• Good time to handle parasites, consult vet for deworming/vaccinations</li> </ul>
<ul style="list-style-type: none"> <li>• <b>Contact Scientists (ICAR) or State Agril Staff or KVK staff for any queries/measures against adverse conditions or call at 03795226247/37</b></li> </ul>			

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Agrometeorological Field Unit  
ICAR, BASAR





# Integrated Agro-Meteorological Advisory Services

ICAR Research Complex for NEH Region, Arunachal Pradesh Centre

West Siang, Basar – 791 101



(Lower Subansiri)

No:-58/2013-14/Fri

Dated: 22<sup>nd</sup> November, 2013

## Weather during the period

- Rainfall: -  
1. Ziro – NA

## Weather Forecast

• <u>Rainfall</u> – Clear/Sunny weather fcted for next 2-3 days with shallow morning fog
• <u>Temperature</u> - The temperature is likely to be in the range of 2-12°C.
• <u>Relative Humidity</u> - The RH is likely to be in the range of 40-89 %.

## Weather Based Agro-meteorological Advisories Bulletin

Crop	Stage	Pest/Disease	Precautionary Practices to be followed
VEGETABLE CROPS			
Cauliflower/ Cabbage/ Broccoli/ Knolkhol	Vegetative		<ul style="list-style-type: none"><li>• Need based irrigation by monitoring soil</li><li>• Light weeding and earthing-up advised</li></ul>
Spinach	Sowing/ Vegetative		<ul style="list-style-type: none"><li>• Harvest mature crops,</li><li>• Sowing of certified/locally available seeds in well prepared nursery may be done,</li><li>• Light interculture operations should be done,</li></ul>
FIELD CROPS			
WRC rice – Main crop (Mipun)	Maturing	Rat	<ul style="list-style-type: none"><li>• Threshing/Drying of harvested crop in proper way</li><li>• Wherever rat menace is there, install rat trap,</li><li>• When severity is high use aluminium phosphide pellets for fumigating the rat burrows,</li><li>• Herein, farmers are advised not to kill snakes as far as possible, as they are the main biological agent which check rodent population,</li></ul>
FRUIT CROPS			
Khasi Mandarin	Fruit development	Trunk borer, Ants Lichen/ Mosses Fruit fly	<ul style="list-style-type: none"><li>• In present weather conditions farmers are advised to clean the basin along with dropped fruits.</li><li>• In trunk borer attacked trees, cleaning of entry hole and treatment with Dichlorvos dipped cotton swabs is advised.</li><li>• Use of light trap to attract adults is also advised.</li><li>• Farmers are advised to use Jaggary/Malathion traps or pheromone traps to monitor the pest population and collect and destroy the adult insects. Installation of pheromone traps may also be done,</li></ul>
Honey bee			<ul style="list-style-type: none"><li>• Cover hives with insulating materials/reduce hive entrance/provide adequate ventilation/keep in sunny place</li></ul>
LIVESTOCKS			
Livestock	Stage	Disease	Precautionary Practices to be followed
Poultry	All stages		<ul style="list-style-type: none"><li>• Keep coop well ventilated/provide plenty of clean water</li><li>• In egg laying birds feed, add calcium,</li><li>• Schedule vaccination should be followed,</li></ul>
Pigs	All stages		<ul style="list-style-type: none"><li>• Provide clean water free from ice/rapid or laboured breathing needs immediate attention &amp; treatment</li><li>• Care pregnant animals,</li></ul>
Cattle	All stages		<ul style="list-style-type: none"><li>• Good time to handle parasites, consult vet for deworming/vaccinations</li></ul>
Mithun	All stages	FMD Black quarter	<ul style="list-style-type: none"><li>• Vaccination should be done post monsoon,</li><li>• In young ones, BQ may be observed, vaccinate the animals,</li></ul>
<ul style="list-style-type: none"><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>			

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Agrometeorological Field Unit  
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# Integrated Agro-Meteorological Advisory Services

ICAR Research Complex for NEH Region, Arunachal Pradesh Centre

West Siang, Basar – 791 101



(Papum Pare)

No:-58/2013-14/Fri

Dated: 22<sup>nd</sup> November, 2013

## Weather during the period

- Maximum temperature: NA
- Minimum Temperature: NA
- Relative Humidity (%):NA
- Rainfall: -
  1. Itanagar -NA
  2. Naharlagun -NA

## Weather Forecast

- Rainfall – Clear/Sunny weather fcted for next 2-3 days with shallow morning fog
- Temperature - The temperature is likely to be in the range of 11-28°C.
- Relative Humidity - The RH is likely to be in the range of 36-91 %.

## Weather Based Agro-meteorological Advisories Bulletin

Crop	Stage	Pest/Disease	Precautionary Practices to be followed
VEGETABLE CROPS			
Cauliflower/ Cabbage/ Broccoli/ Knolkhol	Vegetative		<ul style="list-style-type: none"><li>• Need based irrigation by monitoring soil</li><li>• Light weeding and earthing-up advised,</li></ul>
Radish	Vegetative Harvesting	Leaf eating caterpillars	<ul style="list-style-type: none"><li>• Light interculture operations may be done,</li><li>• Spray Chlorpyrifos/Imidacloprid in recommended dose.</li></ul>
Spinach	Sowing/ Vegetative		<ul style="list-style-type: none"><li>• Harvest mature crops,</li><li>• Sowing of certified/locally available seeds in well prepared nursery may be done,</li><li>• Light interculture operations should be done,</li></ul>
FIELD CROPS			
WRC rice – Main crop (Mipun)	Maturing	Rat	<ul style="list-style-type: none"><li>• Threshing/Drying of harvested crop in proper way</li><li>• Wherever rat menace is there, install rat trap,</li><li>• When severity is high use aluminium phosphide pellets for fumigating the rat burrows,</li><li>• Herein, farmers are advised not to kill snakes as far as possible, as they are the main biological agent which check rodent population,</li></ul>
Potato	Planting/ Vegetative		<ul style="list-style-type: none"><li>• Earthing-up of sprouted potato</li><li>• Monitor the crop against attack of Cutworm,</li></ul>
Mustard	Sowing/ Vegetative	Leaf eating catterpillar	<ul style="list-style-type: none"><li>• Need based irrigation for those in flowering stage</li><li>• Monitor the crop against attack of leaf eating caterpillars,</li><li>• Thinning may be done to maintain proper plant count,</li></ul>
FRUIT CROPS			
Khasi Mandarin	Fruit development	Trunk borer, Ants Lichen/ Mosses Fruit fly	<ul style="list-style-type: none"><li>• In present weather conditions regularly collect and dispose off fallen fruits,</li><li>• In trunk borer attacked trees, cleaning of entry hole and treatment with Dichlorvos dipped cotton swabs is advised.</li><li>• Use of light trap to attract adults is also advised.</li><li>• Farmers are advised to use Jaggary/Malathion traps or pheromone traps to monitor the pest population and collect and destroy the adult insects. Installation of pheromone traps may also be done,</li></ul>
Banana	All stages	Pseudostem weevil	<ul style="list-style-type: none"><li>• Removal of heavily infested plants and deep burial in the pits,</li><li>• Cleaning around the crop,</li></ul>
Honey bee			<ul style="list-style-type: none"><li>• Cover hives with insulating materials/reduce hive entrance/provide adequate ventilation/keep in sunny place</li></ul>
LIVESTOCKS			
Livestock	Stage	Disease	Precautionary Practices to be followed
Poultry	All stages		<ul style="list-style-type: none"><li>• Keep coop well ventilated/provide plenty of clean water</li></ul>

			<ul style="list-style-type: none"> <li>• In egg laying birds feed, add calcium,</li> <li>• Schedule vaccination should be followed,</li> </ul>
Pigs	All stages		<ul style="list-style-type: none"> <li>• Provide clean water free from ice/rapid or laboured breathing needs immediate attention &amp; treatment</li> <li>• Care pregnant animals,</li> </ul>
Cattle	All stages		<ul style="list-style-type: none"> <li>• Good time to handle parasites, consult vet for deworming/vaccinations</li> </ul>
Mithun	All stages	FMD Black quarter	<ul style="list-style-type: none"> <li>• Vaccination should be done post monsoon,</li> <li>• In young ones, BQ may be observed, vaccinate the animals,</li> </ul>
Dog	All stages	Rabies,	<ul style="list-style-type: none"> <li>• Vaccinate against rabies,</li> <li>• Deworming,</li> </ul>
Goat/Sheep	All stages	PPR	<ul style="list-style-type: none"> <li>• Vaccinate against the PPR,</li> <li>• Provide mineral mixture,</li> </ul>
<ul style="list-style-type: none"> <li>• <b>Contact Scientists (ICAR) or State Agril Staff or KVK staff for any queries/measures against adverse conditions or call at 03795226247/37</b></li> </ul>			

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Agrometeorological Field Unit  
ICAR, BASAR





# Integrated Agro-Meteorological Advisory Services

ICAR Research Complex for NEH Region, Arunachal Pradesh Centre

West Siang, Basar – 791 101



(Tawang)

No:-58/2013-14/Fri

Dated: 22<sup>nd</sup> November, 2013

## Weather during the period

- Rainfall: -  
1. Tawang –NA

## Weather Forecast

• <u>Rainfall</u> - – Clear/Sunny weather fcted for next 2-3 days with shallow morning fog.
• <u>Temperature</u> - The temperature is likely to be in the range of 1-12 °C.
• <u>Relative Humidity</u> - The RH is likely to be in the range of 35-88 %.

## Weather Based Agro-meteorological Advisories Bulletin

Crop	Stage	Pest/Disease	Precautionary Practices to be followed
FRUITS			
Apple	Harvesting		<ul style="list-style-type: none"><li>• Do not cut/prune the three: may cause icing</li><li>• Monitor fruit fly damage,</li></ul>
VEGETABLE CROPS			
Cauliflower / Cabbage/ Radish	Harvesting	Cutworm  Diamond back moth	<ul style="list-style-type: none"><li>• <b>Monitor crop against attack of cutworm in the field,</b></li><li>• In present weather conditions, monitor the crop against attack of DBM caterpillars,</li><li>• If damage level is high, spraying of <i>Bt</i> formulation may be done,</li></ul>
Mustard (leafy vegetables)	Sowing Vegetative		<ul style="list-style-type: none"><li>• <b>Need based irrigation</b></li></ul>
LIVESTOCKS			
Livestock	Stage	Disease	Precautionary Practices to be followed
Poultry	All stages		<ul style="list-style-type: none"><li>• Keep coop well ventilated/provide plenty of clean water</li><li>• In egg laying birds feed, add calcium,</li><li>• Schedule vaccination should be followed,</li></ul>
Cattle	All stages		<ul style="list-style-type: none"><li>• Lighting to maintain warmth in the shade,</li><li>• Good time to handle parasites, consult vet for deworming/vaccinations</li></ul>
Goat/Sheep	All stages	PPR	<ul style="list-style-type: none"><li>• Vaccinate against the PPR,</li><li>• Provide mineral mixture,</li></ul>
Pigs	All stages	Swine fever	<ul style="list-style-type: none"><li>• Provide clean water free from ice/rapid or laboured breathing needs immediate attention &amp; treatment</li><li>• Care pregnant animals,</li></ul>

**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



(Tirap)

No:-58/2013-14/Fri

Dated: 22<sup>nd</sup> November, 2013

## Weather during the period

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

## Weather Forecast

• <u>Rainfall</u> : Clear/Sunny weather fcsted for next 2-3 days with shallow morning fog.
• <u>Temperature</u> - The temperature is likely to be in the range of 13-27°C.
• <u>Relative Humidity</u> - The RH is likely to be in the range of 32-90 %.

## Weather Based Agro-meteorological Advisories Bulletin

Crop	Stage	Pest/Disease	Precautionary Practices to be followed
VEGETABLE CROPS			
Cauliflower/ Cabbage/ Broccoli/ Knolkhol	Vegetative		<ul style="list-style-type: none"><li>• Need based irrigation by monitoring soil</li><li>• Light weeding and earthing-up advised,</li></ul>
FIELD CROPS			
WRC rice – Main crop (Mipun)	Maturing	Rat	<ul style="list-style-type: none"><li>• Threshing/Drying of harvested crop in proper way</li><li>• Wherever rat menace is there, install rat trap,</li><li>• When severity is high use aluminium phosphide pellets for fumigating the rat burrows,</li><li>• Herein, farmers are advised not to kill snakes as far as possible, as they are the main biological agent which check rodent population,</li></ul>
Potato	Planting/ Vegetative		<ul style="list-style-type: none"><li>• Earthing-up of sprouted potato</li><li>• Monitor the crop against attack of Cutworm,</li></ul>
Mustard	Sowing/ Vegetative	Leaf eating catterpillar	<ul style="list-style-type: none"><li>• Need based irrigation for those in flowering stage</li><li>• Monitor the crop against attack of leaf eating caterpillars,</li><li>• Thinning may be done to maintain proper plant count,</li></ul>
FRUIT CROPS			
Khasi Mandarin	Fruit development	Trunk borer, Ants Lichen/ Mosses Fruit fly	<ul style="list-style-type: none"><li>• In present weather conditions farmers are advised to clean the basin along with dropped fruits.</li><li>• In trunk borer attacked trees, cleaning of entry hole and treatment with Dichlorvos dipped cotton swabs is advised.</li><li>• Use of light trap to attract adults is also advised.</li><li>• Farmers are advised to use Jaggary/Malathion traps or pheromone traps to monitor the pest population and collect and destroy the adult insects. Installation of pheromone traps may also be done,</li></ul>
Honey bee			<ul style="list-style-type: none"><li>• Cover hives with insulating materials/reduce hive entrance/provide adequate ventilation/keep in sunny place</li></ul>
LIVESTOCKS			
Livestock	Stage	Disease	Precautionary Practices to be followed
Poultry	All stages		<ul style="list-style-type: none"><li>• Keep coop well ventilated/provide plenty of clean water</li><li>• In egg laying birds feed, add calcium,</li><li>• Schedule vaccination should be followed,</li></ul>
Pigs	All stages		<ul style="list-style-type: none"><li>• Provide clean water free from ice/rapid or laboured breathing needs immediate attention &amp; treatment</li><li>• Care pregnant animals,</li></ul>
Cattle	All stages		Good time to handle parasites, consult vet for deworming/vaccinations
• Contact Scientists (ICAR) or State Agril Staff or KVK staff for any queries/measures against adverse conditions or call at 03795226247/37			

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Agrometeorological Field Unit  
ICAR, BASAR



# Integrated Agro-Meteorological Advisory Services

ICAR Research Complex for NEH Region, Arunachal Pradesh Centre

West Siang, Basar – 791 101



(Upper Siang)

No:-58/2013-14/Fri

Dated: 22<sup>nd</sup> November, 2013

## Weather during the period

- Rainfall: -  
N Tuting – NA

## Weather Forecast

- Rainfall – Clear/Sunny weather fcted for next 2-3 days with shallow morning fog
- Temperature - The temperature is likely to be in the range of 5-20°C.
- Relative Humidity - The RH is likely to be in the range of 29-87 %.

## Weather Based Agro-meteorological Advisories Bulletin

Crop	Stage	Pest/Disease	Precautionary Practices to be followed
<b>VEGETABLE CROPS</b>			
Cauliflower/ Cabbage/ Broccoli/ Knolkhol	Vegetative		<ul style="list-style-type: none"> <li>• Need based irrigation by monitoring soil</li> <li>• Light weeding and earthing-up advised</li> </ul>
Spinach	Sowing/ Vegetative		<ul style="list-style-type: none"> <li>• Harvest mature crops,</li> <li>• Sowing of certified/locally available seeds in well prepared nursery may be done,</li> <li>• Light interculture operations should be done,</li> </ul>
<b>FIELD CROPS</b>			
WRC rice – Main crop (Mipun)	Maturing	Rat	<ul style="list-style-type: none"> <li>• Threshing/Drying of harvested crop in proper way</li> <li>• Wherever rat menace is there, install rat trap,</li> <li>• When severity is high use aluminium phosphide pellets for fumigating the rat burrows,</li> <li>• Herein, farmers are advised not to kill snakes as far as possible, as they are the main biological agent which check rodent population,</li> </ul>
Potato	Planting/ Vegetative		<ul style="list-style-type: none"> <li>• Earthing-up of sprouted potato</li> <li>• Monitor the crop against attack of Cutworm,</li> </ul>
Mustard	Sowing/ Vegetative	Leaf eating catterpillar	<ul style="list-style-type: none"> <li>• Need based irrigation for those in flowering stage</li> <li>• Monitor the crop against attack of leaf eating caterpillars,</li> <li>• Thinning may be done to maintain proper plant count,</li> </ul>
Winter Maize	Vegetative	Cut worm	<ul style="list-style-type: none"> <li>• Monitor for attack of cut worm in the germinated fields,</li> <li>• Manual collection of larvae during the evening hours may be done, (If damage level is not serious). Use of Carbaryl dust in severely damaged fields may be done,</li> </ul>
Honey bee			<ul style="list-style-type: none"> <li>• Cover hives with insulating materials/reduce hive entrance/provide adequate ventilation/keep in sunny place</li> </ul>
<b>FRUIT CROPS</b>			
Khasi Mandarin	Fruit development	Trunk borer, Ants Lichen/ Mosses Fruit fly	<ul style="list-style-type: none"> <li>• In present weather conditions regularly collect and dispose off fallen fruits,</li> <li>• In trunk borer attacked trees, cleaning of entry hole and treatment with Dichlorvos dipped cotton swabs is advised.</li> <li>• Use of light trap to attract adults is also advised.</li> <li>• Farmers are advised to use Jaggary/Malathion traps or pheromone traps to monitor the pest population and collect and destroy the adult insects. Installation of pheromone traps may also be done,</li> </ul>
Banana	All stages	Pseudostem weevil	<ul style="list-style-type: none"> <li>• Removal of heavily infested plants and deep burial in the pits,</li> <li>• Cleaning around the crop,</li> </ul>
<b>LIVESTOCKS</b>			
Livestock	Stage	Disease	Precautionary Practices to be followed
Poultry	All stages		<ul style="list-style-type: none"> <li>• Keep coop well ventilated/provide plenty of clean water</li> <li>• Schedule vaccination should be followed,</li> </ul>
Pigs	All stages	Swine fever	<ul style="list-style-type: none"> <li>• Provide clean water free from ice/rapid or laboured breathing needs immediate attention &amp; treatment</li> </ul>

			<ul style="list-style-type: none"><li>Care pregnant animals,</li></ul>
Cattle	All stages		<ul style="list-style-type: none"><li>Provide paddy straws for cushioning to the newly born calves,</li><li>Good time to handle parasites, consult vet for deworming/vaccinations</li></ul>
Mithun	All stages	FMD Black quarter	<ul style="list-style-type: none"><li>Vaccination should be done post monsoon,</li><li>In young ones, BQ may be observed, vaccinate the animals,</li></ul>
Dog	All stages	Rabies,	<ul style="list-style-type: none"><li>Vaccinate against rabies,</li><li>Deworming,</li></ul>
Goat/Sheep	All stages	PPR	<ul style="list-style-type: none"><li>Vaccinate against the PPR,</li><li>Provide mineral mixture,</li></ul>
<ul style="list-style-type: none"><li><b>Contact Scientists (ICAR) or State Agril Staff or KVK staff for any queries/measures against adverse conditions or call at 03795226247/37</b></li></ul>			

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Agro Meteorological Field Unit  
ICAR, BASAR



# Integrated Agro-Meteorological Advisory Services

ICAR Research Complex for NEH Region, Arunachal Pradesh Centre

West Siang, Basar – 791 101



(Upper Subansiri)

No:-58/2013-14/Fri

Dated: 22<sup>nd</sup> November, 2013

## Weather during the period

- Rainfall: -
  - Daporijo- NA

## Weather Forecast

- Rainfall** – Clear/Sunny weather fcsted for next 2-3 days with shallow morning fog
- Temperature** - The temperature is likely to be in the range of 2-11°C<sub>2</sub>
- Relative Humidity** - The RH is likely to be in the range of 38-87 %.

## Weather Based Agro-meteorological Advisories Bulletin

Crop	Stage	Pest/Disease	Precautionary Practices to be followed
VEGETABLE CROPS			
Cauliflower/ Cabbage/ Broccoli/ Knolkhol	Vegetative		<ul style="list-style-type: none"><li>• <b>Need based irrigation by monitoring soil</b></li><li>• <b>Light weeding and earthing-up advised</b></li></ul>
Spinach	Sowing/ Vegetative		<ul style="list-style-type: none"><li>• Harvest mature crops,</li><li>• Sowing of certified/locally available seeds in well prepared nursery may be done,</li><li>• <b>Light interculture operations should be done,</b></li></ul>
FIELD CROPS			
WRC rice – Main crop ( <i>Mipun</i> )	Maturing	Rat	<ul style="list-style-type: none"><li>• <b>Threshing/Drying of harvested crop in proper way</b></li><li>• Wherever rat menace is there, install rat trap,</li><li>• When severity is high use aluminium phosphide pellets for fumigating the rat burrows,</li><li>• Herein, farmers are advised not to kill snakes as far as possible, as they are the main biological agent which check rodent population,</li></ul>
Potato	Planting/ Vegetative		<ul style="list-style-type: none"><li>• Earthing-up of sprouted potato</li><li>• Monitor the crop against attack of Cutworm,</li></ul>
Turmeric and ginger	Maturing/ harvesting	Soft rot,  Shoot borer	<ul style="list-style-type: none"><li>• To control soft rot drench soil with Dithane M-45 @ 3 g/litre at 15 days interval.</li><li>• Spray Rogor @ 0.05% if infestation is observed,</li></ul>
Mustard	Sowing/ Vegetative	Leaf eating catterpillar	<ul style="list-style-type: none"><li>• Need based irrigation for those in flowering stage</li><li>• Monitor the crop against attack of leaf eating caterpillars,</li><li>• Thinning may be done to maintain proper plant count,</li></ul>
Winter Maize	Vegetative	Cut worm	<ul style="list-style-type: none"><li>• Monitor for attack of cut worm in the germinated fields,</li><li>• Manual collection of larvae during the evening hours may be done, (If damage level is not serious). Use of Carbaryl dust in severely damaged fields may be done,</li></ul>
Pea	Field preparation Sowing		
FRUIT CROPS			
Khasi Mandarin	Fruit development	Trunk borer, Ants Lichen/ Mosses Fruit fly	<ul style="list-style-type: none"><li>• <b>In present weather conditions regularly collect and dispose off fallen fruits,</b></li><li>• In trunk borer attacked trees, cleaning of entry hole and treatment with Dichlorvos dipped cotton swabs is advised.</li><li>• Use of light trap to attract adults is also advised.</li><li>• Farmers are advised to use <i>Jaggary</i>/Malathion traps or pheromone traps to monitor the pest population and collect and destroy the adult insects. Installation of pheromone traps may also be done,</li></ul>
Banana	All stages	Pseudostem weevil	<ul style="list-style-type: none"><li>• Removal of heavily infested plants and deep burial in the pits,</li><li>• Cleaning around the crop,</li></ul>
Honey bee			<ul style="list-style-type: none"><li>• Cover hives with insulating materials/reduce hive entrance/provide adequate ventilation/keep in sunny place</li></ul>
LIVESTOCKS			
Livestock	Stage	Disease	Precautionary Practices to be followed



Poultry	All stages		<ul style="list-style-type: none"> <li>Keep coop well ventilated/provide plenty of clean water</li> <li>In egg laying birds feed, add calcium,</li> <li>Schedule vaccination should be followed,</li> </ul>
Pigs	All stages		<ul style="list-style-type: none"> <li>Provide clean water free from ice/rapid or laboured breathing needs immediate attention &amp; treatment</li> <li>Piglets: Provide warmth by lighting with filament bulb/cushioning material,</li> <li>Vaccinate against the swine fever,</li> <li>Care pregnant animals,</li> </ul>
Cattle	All stages		<ul style="list-style-type: none"> <li>Good time to handle parasites, consult vet for deworming/vaccinations</li> </ul>
Mithun	All stages	FMD Black quarter	<ul style="list-style-type: none"> <li>Vaccination should be done post monsoon,</li> <li>In young ones, BQ may be observed, vaccinate the animals,</li> </ul>
Dog	All stages	Rabies,	<ul style="list-style-type: none"> <li>Vaccinate against rabies,</li> <li>Deworming,</li> </ul>
Goat/Sheep	All stages	PPR	<ul style="list-style-type: none"> <li>Vaccinate against the PPR,</li> <li>Provide mineral mixture,</li> </ul>
<ul style="list-style-type: none"> <li><b>Contact Scientists (ICAR) or State Agril Staff or KVK staff for any queries/measures against adverse conditions or call at 03795226247/37</b></li> </ul>			

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Agro Meteorological Field Unit  
 ICAR, BASAR



# Integrated Agro-Meteorological Advisory Services

ICAR Research Complex for NEH Region, Arunachal Pradesh Centre

West Siang, Basar – 791 101



(West Kameng)

No:-58/2013-14/Fri

Dated: 22<sup>nd</sup> November, 2013

## Weather during the period

- Rainfall: - Bomdila –NA  
Bhalokpung – NA

## Weather Forecast

- Rainfall- Sunny/dry/cold weather forecasted next 3-4 days with morning fog
- Temperature - The temperature is likely to be in the range of 5-15°C.
- Relative Humidity - The RH is likely to be in the range of 36-88 %.

## Weather Based Agro-meteorological Advisories Bulletin

Crop	Stage	Pest/Disease	Precautionary Practices to be followed
FRUITS			
Apple	Harvesting	Fruit Fly  Trunk Borer	<ul style="list-style-type: none"><li>• Do not cut/prune the three: may cause icing</li><li>• Monitor fruit fly damage,</li><li>• Collection/deep burying (Atleast 4 feet deep) of infected fruit,</li><li>• If extreme damage is noticed, spraying of Malathion @ 3ml per litre of water is advised,</li><li>• Installation of light traps to capture adults.</li><li>• Urgent/immediate treatment of affected parts of trees,</li></ul>
VEGETABLE CROPS			
Cauliflower / Cabbage/ Radish	Harvesting	Cutworm  Diamond back moth	<ul style="list-style-type: none"><li>• <b>Monitor crop against attack of cutworm in the field,</b></li><li>• In present weather conditions, monitor the crop against attack of DBM caterpillars,</li><li>• If damage level is high, spraying of <i>Bt</i> formulation may be done,</li></ul>
Radish	Vegetative Maturity		<ul style="list-style-type: none"><li>• <b>Harvest,</b></li></ul>
LIVESTOCKS			
Livestock	Stage	Disease	Precautionary Practices to be followed
Poultry	All stages		<ul style="list-style-type: none"><li>• Keep coop well ventilated/provide plenty of clean water,</li><li>• Schedule vaccination should be followed,</li></ul>
Cattle	All stages		<ul style="list-style-type: none"><li>• Good time to handle parasites, consult vet for 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 style="list-style-type: none"><li>• Vaccinate against the PPR,</li><li>• Provide mineral mixture,</li></ul>
Pigs	All stages		<ul style="list-style-type: none"><li>• Provide clean water free from ice/rapid or laboured breathing needs immediate attention &amp; treatment</li><li>• Care pregnant animals,</li></ul>

**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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**Agrometeorological Field Unit  
ICAR, BASAR**



# Integrated Agro-Meteorological Advisory Services

ICAR Research Complex for NEH Region, Arunachal Pradesh Centre

West Siang, Basar – 791 101



(West Siang)

No:-58/2013-14/Fri

Dated: 22<sup>nd</sup> November, 2013

## Weather during the period

- During the period weather was clear and dry with morning shallow fog.
- Maximum temperature: **25.0°C**
- Minimum Temperature: **10.0°C**
- Rainfall: **0.0 mm**
- Evapotranspiration: - -
- Relative Humidity (%):-**38-93%**
- Soil moisture ( $m^2 / m^2$ ):**0.28**
- Prominent Wind Direction: **West North (Morning hours) & Variable (Afternoon)**
- Average Wind Speed: **0.01 metres per second**
- Average Sunshine hours : **6.3 hours**

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

## Weather Forecast

- Rainfall: Clear/Sunny weather fcted for next 2-3 days with shallow morning fog
- Temperature – Temperature will vary between 9-24 °C.
- Relative Humidity - The RH is likely to be in the range of 36-88 %.

## Weather Based Agro-meteorological Advisories Bulletin

Crop	Stage	Pest/Disease	Precautionary Practices to be followed
VEGETABLE CROPS			
Cauliflower/ Cabbage/ Broccoli/ Knolkhol	Vegetative	Leaf eating/ Cabbage caterpillars	<ul style="list-style-type: none"><li>• <b>Need based irrigation by monitoring soil</b></li><li>• <b>Light weeding and earthing-up advised,</b></li><li>• In present weather conditions severe attack of leaf eating caterpillars has been reported. Spray <b>Chlorpyrifos/Imidacloprid</b> in recommended dose in the next one or two days when weather is clear. Dose-<b>Imidacloprid 17SL @ 1-2 ml per litre depending upon the population,</b></li></ul>
Radish	Vegetative Harvesting	Leaf eating caterpillars	<ul style="list-style-type: none"><li>• Light interculture operations may be done,</li><li>• Spray Chlorpyrifos/Imidacloprid in recommended dose.</li></ul>
Carrot	Vegetative		<ul style="list-style-type: none"><li>• Light interculture operations should be done,</li></ul>
Spinach	Sowing/ Vegetative		<ul style="list-style-type: none"><li>• Harvest mature crops,</li><li>• Sowing of certified/locally available seeds in well prepared nursery may be done,</li><li>• <b>Light interculture operations should be done,</b></li></ul>
FIELD CROPS			
WRC rice – Main crop (Mipun)	Maturing	Rat	<ul style="list-style-type: none"><li>• <b>Threshing/Drying of harvested crop in proper way</b></li><li>• Wherever rat menace is there, install rat trap,</li><li>• When severity is high use aluminium phosphide pellets for fumigating the rat burrows,</li><li>• Herein, farmers are advised not to kill snakes as far as possible, as they are the main biological agent which check rodent population,</li></ul>
Potato	Planting/ Vegetative		<ul style="list-style-type: none"><li>• Earthing-up of sprouted potato</li><li>• Monitor the crop against attack of Cutworm,</li></ul>
Turmeric and ginger	Maturing/ harvesting	Soft rot,  Shoot borer	<ul style="list-style-type: none"><li>• To control soft rot drench soil with Dithane M-45 @ 3 g/litre at 15 days interval.</li><li>• Spray Rogor @ 0.05% if infestation is observed,</li></ul>
Mustard	Sowing/ Vegetative	Leaf eating catterpillar	<ul style="list-style-type: none"><li>• Need based irrigation for those in flowering stage</li><li>• Monitor the crop against attack of leaf eating caterpillars,</li><li>• Thinning may be done to maintain proper plant count,</li></ul>
Honey bee			<ul style="list-style-type: none"><li>• Cover hives with insulating materials/reduce hive entrance/provide adequate ventilation/keep in sunny place</li></ul>

FRUIT CROPS			
Khasi Mandarin	Fruit development	Trunk borer, Ants Lichen/ Mosses Fruit fly	<ul style="list-style-type: none"> <li>• <b>In present weather conditions regularly collect and dispose off fallen fruits,</b></li> <li>• In trunk borer attacked trees, cleaning of entry hole and treatment with Dichlorvos dipped cotton swabs is advised.</li> <li>• Use of light trap to attract adults is also advised.</li> <li>• Farmers are advised to use <i>Jaggary</i>/Malathion traps or pheromone traps to monitor the pest population and collect and destroy the adult insects. Installation of pheromone traps may also be done,</li> </ul>
Banana	All stages	Pseudostem weevil	<ul style="list-style-type: none"> <li>• Removal of heavily infested plants and deep burial in the pits,</li> <li>• Cleaning around the crop,</li> </ul>
LIVESTOCKS and VETERINARY ASPECT			
Livestock	Stage	Disease	Precautionary Practices to be followed
Poultry	All stages		<ul style="list-style-type: none"> <li>• Keep coop well ventilated/provide plenty of clean water</li> <li>• In egg laying birds feed, add calcium,</li> <li>• Schedule vaccination should be followed,</li> </ul>
Pigs	All stages		<ul style="list-style-type: none"> <li>• Provide clean water free from ice/rapid or laboured breathing needs immediate attention &amp; treatment</li> <li>• Care pregnant animals,</li> </ul>
Cattle	All stages		<ul style="list-style-type: none"> <li>• Good time to handle parasites, consult vet for 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>
Rabbits	All stages	Snuffles	<ul style="list-style-type: none"> <li>• <b>Keep strict vigil</b></li> <li>• Consult experts,</li> </ul>
Mithun	All stages	FMD Black quarter	<ul style="list-style-type: none"> <li>• Vaccination should be done post monsoon,</li> <li>• In young ones, BQ may be observed, vaccinate the animals,</li> </ul>
Dog	All stages	Rabies,	<ul style="list-style-type: none"> <li>• Vaccinate against rabies,</li> <li>• Deworming,</li> </ul>
Goat/Sheep	All stages	PPR	<ul style="list-style-type: none"> <li>• Vaccinate against the PPR,</li> <li>• Provide mineral mixture,</li> </ul>
Fish	All stages		<ul style="list-style-type: none"> <li>• Maintain adequate water level in the pond,</li> <li>• Pond sides should be properly cleaned,</li> <li>• Harvest of mature fish,</li> </ul>
<ul style="list-style-type: none"> <li>• <b>Contact Scientists (ICAR) or State Agril Staff or KVK staff for any queries/ measures against adverse conditions or call at 03795226247/37</b></li> </ul>			

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Agro Meteorological Field Unit  
 ICAR, BASAR



# Integrated Agro-Meteorological Advisory Services

ICAR Research Complex for NEH Region, Arunachal Pradesh Centre

West Siang, Basar – 791 101



(Changlang)

No:-58/2013-14/Fri

Dated: 22<sup>nd</sup> November, 2013

## Weather during the period

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

## Weather Forecast

• <b>Rainfall</b> – Clear/Sunny weather fcted for next 2-3 days with shallow morning fog.
• <b>Temperature</b> - The temperature is likely to be in the range of 10-23 °C.
• <b>Relative Humidity</b> - The RH is likely to be in the range of 28-81 %.

## Weather Based Agro-meteorological Advisories Bulletin

Crop	Stage	Pest/Disease	Precautionary Practices to be followed
<b>VEGETABLE CROPS</b>			
Cauliflower/ Cabbage/ Broccoli/ Knolkhol	Vegetative	Leaf eating/ Cabbage caterpillars	<ul style="list-style-type: none"><li>• <b>Need based irrigation by monitoring soil</b></li><li>• <b>Light weeding and earthing-up advised,</b></li><li>• <b>Maintain strict monitoring against leaf eating caterpillars,</b></li></ul>
<b>FIELD CROPS</b>			
WRC rice – Main crop ( <i>Mipun</i> )	Maturing	Rat	<ul style="list-style-type: none"><li>• Threshing and proper drying is important</li><li>• Herein, farmers are advised not to kill snakes as far as possible, as they are the main biological agent which check rodent population,</li></ul>
Potato	Planting/ Vegetative		<ul style="list-style-type: none"><li>• Earthing up of sprouted potato ,</li></ul>
Mustard	Sowing/ Vegetative	Leaf eating catterpillar	<ul style="list-style-type: none"><li>• Need based irrigation for those in flowering stage</li><li>• Monitor the crop against attack of leaf eating caterpillars,</li><li>• Thinning may be done to maintain proper plant count,</li></ul>
<b>FRUIT CROPS</b>			
Khasi Mandarin	Fruit development	Trunk borer, Ants Lichen/ Mosses Fruit fly	<ul style="list-style-type: none"><li>• In present weather conditions farmers are advised to clean the basin along with dropped fruits.</li><li>• In trunk borer attacked trees, cleaning of entry hole and treatment with Dichlorvos dipped cotton swabs is advised.</li><li>• Use of light trap to attract adults is also advised.</li><li>• Farmers are advised to use <i>Jaggary</i>/Malathion traps or pheromone traps to monitor the pest population and collect and destroy the adult insects. Installation of pheromone traps may also be done,</li></ul>
Honey bee			<ul style="list-style-type: none"><li>• Cover hives with insulating materials/reduce hive entrance/provide adequate ventilation/keep in sunny place</li></ul>
<b>LIVESTOCKS</b>			
<b>Livestock</b>	<b>Stage</b>	<b>Disease</b>	<b>Precautionary Practices to be followed</b>
Poultry	All stages		<ul style="list-style-type: none"><li>• Keep coop well ventilated/provide plenty of clean water</li><li>• Maintain warmth by lighting filament bulb in the shed,</li><li>• In egg laying birds feed, add calcium,</li><li>• Schedule vaccination should be followed,</li></ul>
Pigs	All stages		<ul style="list-style-type: none"><li>• Provide clean water free from ice/rapid or laboured breathing needs immediate attention &amp; treatment</li></ul>
Cattle	All stages		<ul style="list-style-type: none"><li>• Good time to handle parasites, consult vet for deworming/vaccinations</li></ul>
<ul style="list-style-type: none"><li>• <b>Contact Scientists (ICAR) or State Agril Staff or KVK staff for any queries/measures against adverse conditions or call at 03795226247/37</b></li></ul>			

Issued jointly by ICAR-RC for NEH Region, Arunachal Pradesh Centre, Basar and India Meteorological Department

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

Agrometeorological Field Unit  
ICAR, BASAR





# Integrated Agro-Meteorological Advisory Services

ICAR Research Complex for NEH Region, Arunachal Pradesh Centre

West Siang, Basar – 791 101



(Dibang Valley)

No:-58/2013-14/Fri

Dated: 22<sup>nd</sup> November, 2013

## Weather during the period

- **Rainfall:** -
  - Roing – NA
  - Anini – NA

## Weather Forecast

• <b>Rainfall:</b> Clear/Sunny weather fcted for next 2-3 days with shallow morning fog
• <b>Temperature</b> – Temperature will vary between 4-19°C.
• <b>Relative Humidity</b> - The RH is likely to be in the range of 28-83 %.

## Weather Based Agro-meteorological Advisories Bulletin

Crop	Stage	Pest/Disease	Precautionary Practices to be followed
VEGETABLE CROPS			
Cauliflower/ Cabbage/ Brocolli/ Knolkhol	Vegetative		<ul style="list-style-type: none"><li>• Need based irrigation by monitoring soil</li><li>• Light weeding and earthing-up advised,</li></ul>
FIELD CROPS			
WRC rice – Main crop (Mipun)	Maturing	Rat	<ul style="list-style-type: none"><li>• Threshing/Drying of harvested crop in proper way</li><li>• Wherever rat menace is there, install rat trap,</li><li>• When severity is high use aluminium phosphide pellets for fumigating the rat burrows,</li><li>• Herein, farmers are advised not to kill snakes as far as possible, as they are the main biological agent which check rodent population,</li></ul>
Potato	Planting/ Vegetative		<ul style="list-style-type: none"><li>• Earthing-up of sprouted potato</li><li>• Monitor the crop against attack of Cutworm,</li></ul>
Mustard	Sowing/ Vegetative	Leaf eating catterpillar	<ul style="list-style-type: none"><li>• Need based irrigation for those in flowering stage</li><li>• Monitor the crop against attack of leaf eating caterpillars,</li><li>• Thinning may be done to maintain proper plant count,</li></ul>
Winter Maize	Vegetative	Cut worm	<ul style="list-style-type: none"><li>• Monitor for attack of cut worm in the germinated fields,</li><li>• Manual collection of larvae during the evening hours may be done, (If damage level is not serious). Use of Carbaryl dust in severely damaged fields may be done,</li></ul>
Pea	Sowing/ Vegetative		
FRUIT CROPS			
Khasi Mandarin	Fruit development	Trunk borer, Ants Lichen/ Mosses Fruit fly	<ul style="list-style-type: none"><li>• In present weather conditions regularly collect and dispose off fallen fruits,</li><li>• In trunk borer attacked trees, cleaning of entry hole and treatment with Dichlorvos dipped cotton swabs is advised.</li><li>• Use of light trap to attract adults is also advised.</li><li>• Farmers are advised to use Jaggary/Malathion traps or pheromone traps to monitor the pest population and collect and destroy the adult insects. Installation of pheromone traps may also be done,</li></ul>
Honey bee			<ul style="list-style-type: none"><li>• Cover hives with insulating materials/reduce hive entrance/provide adequate ventilation/keep in sunny place</li></ul>
LIVESTOCKS and VETERINARY ASPECT			
Livestock	Stage	Disease	Precautionary Practices to be followed
Poultry	All stages		<ul style="list-style-type: none"><li>• Keep coop well ventilated/provide plenty of clean water</li><li>• Maintain warmth by lighting filament bulb in the shed,</li><li>• In egg laying birds feed, add calcium,</li><li>• Schedule vaccination should be followed,</li></ul>
Pigs	All stages		<ul style="list-style-type: none"><li>• Provide clean water free from ice/rapid or laboured breathing needs immediate attention &amp; treatment</li><li>• Care pregnant animals,</li></ul>
Cattle	All stages		<ul style="list-style-type: none"><li>• Good time to handle parasites, consult vet for deworming/vaccinations</li></ul>
Mithun	All stages	FMD	<ul style="list-style-type: none"><li>• Vaccination should be done post monsoon,</li></ul>

		Black quarter	<ul style="list-style-type: none"><li>• In young ones, BQ may be observed, vaccinate the animals,</li></ul>
Goat/Sheep	All stages	PPR	<ul style="list-style-type: none"><li>• Vaccinate against the PPR,</li><li>• Provide mineral mixture,</li></ul>
Fish	All stages		<ul style="list-style-type: none"><li>• Maintain adequate water level in the pond,</li><li>• Pond sides should be properly cleaned,</li><li>• Harvest of mature fish,</li></ul>
<ul style="list-style-type: none"><li>• <b>Contact Scientists (ICAR) or State Agril Staff or KVK staff for any queries/measures against adverse conditions or call at 03795226247/37</b></li></ul>			

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