



# Integrated Agro-Meteorological Advisory Services

ICAR Research Complex for NEH Region, Arunachal Pradesh Centre

West Siang, Basar – 791 101



(Changlang)

No:-55/2013-14/Fri

Dated: 25<sup>th</sup> October, 2013

## Weather during the period

- **Rainfall:** -
  - Changlang –6.0 mm
  - Miao – 11.4 mm

## Weather Forecast

• <b>Rainfall</b> –Partially cloudy/clear weather forecasted for next 3-4 days.
• <b>Temperature</b> - The temperature is likely to be in the range of 18-29 °C.
• <b>Relative Humidity</b> - The RH is likely to be in the range of 43-100 %.

## Weather Based Agro-meteorological Advisories Bulletin

Crop	Stage	Pest/Disease	Precautionary Practices to be followed
VEGETABLE CROPS			
Cauliflower/ Cabbage/ Radish	Transplanting /Vegetative	Leaf eating caterpillars        Wirestem	<ul style="list-style-type: none"><li>• In present weather conditions severe attack of leaf eating caterpillars has been reported. Spray <b><i>Chlorpyrifos/Imidacloprid</i></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><li>• Farmers are advised to manually collect and destroy the larvae, wherever population is not large.</li><li>• In present weather conditions severe attack of wirestem disease is reported from different part. Drenching with Carbendazim 50 % WP @ 1 grams per litre of water is advised,</li></ul>
Radish	Vegetative Harvesting	Leaf eating caterpillars	<ul style="list-style-type: none"><li>• <b>Sowing of good quality treated seed may be done,</b></li><li>• Light interculture operations may be done,</li><li>• Spray Chlorpyrifhos/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)	Grain filling / Ripening/ Maturing	<b><u>Gundhi bug</u></b>        <b><u>Rat</u></b>	<ul style="list-style-type: none"><li>• In present weather conditions large scale attack of Gundhi bug has been reported from rice field. If damage level is high, use Malathion dust 5%,</li><li>• Wherever rat menace is there, install rat trap,</li><li>• <b>When severity is high use aluminium phosphide pellets for fumigating the rat burrows,</b></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	Field preparation/ Planting/ Vegetative		<ul style="list-style-type: none"><li>• Seed dipping with Dithane M45 @2.5 grams per litre of water for 30 minutes is advised before planting,</li><li>• Monitor the crop against attack of Cutworm,</li></ul>
Turmeric and ginger	Growing	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	Vegetative	Leaf eating catterpillar	<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		<ul style="list-style-type: none"><li>• In present weather conditions farmers are advised to clean the basin along with dropped fruits.</li></ul>

		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 <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>
<b>LIVESTOCKS</b>			
Livestock	Stage	Disease	Precautionary Practices to be followed
Poultry	All stages		<ul style="list-style-type: none"> <li>• Maintain warmth by lighting filament bulb in the shed,</li> <li>• Adults: Close the ventilation during the night hours with gunny bags/polythene sheets,</li> <li>• Provide anticoccidial medicines along with feeds,</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>• Wherever wounds are there treat with local preparation</li> <li>• Feeds: Properly cook the feed, avoid feeding half cooked feeds,</li> <li>• Piglets: Provide warmth by lighting with filament bulb/cushioning material,</li> <li>• Care pregnant animals,</li> </ul>
Cattle	All stages		<ul style="list-style-type: none"> <li>• Lighting to maintain warmth in the shade,</li> <li>• Deworming,</li> <li>• As green feeds supply will decrease, provide quality feeds,</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:-55/2013-14/Fri

Dated: 25<sup>th</sup> October, 2013

## Weather during the period

- **Rainfall:** -
  - Roing – 31.1 mm
  - Anini – 49.0 mm

## Weather Forecast

- **Rainfall** – Partly cloudy/clear with light rains in isolated places fcst-next 2/3 days.
- **Temperature** – Temperature will vary between 11-20°C.
- **Relative Humidity** - The RH is likely to be in the range of 36-97 %.

## Weather Based Agro-meteorological Advisories Bulletin

Crop	Stage	Pest/Disease	Precautionary Practices to be followed
VEGETABLE CROPS			
Cauliflower/ Cabbage/ Radish	Transplanting /Vegetative	Leaf eating caterpillars          Wirestem	<ul style="list-style-type: none"><li>• In present weather conditions severe attack of leaf eating caterpillars has been reported. Spray <b><i>Chlorpyriphos/Imidacloprid</i></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><li>• Farmers are advised to manually collect and destroy the larvae, wherever population is not large.</li><li>• In present weather conditions severe attack of wirestem disease is reported from different part. Drenching with Carbendazim 50 % WP @ 1 grams per litre of water is advised,</li></ul>
Radish	Vegetative Harvesting	Leaf eating caterpillars	<ul style="list-style-type: none"><li>• <b>Sowing of good quality treated seed may be done,</b></li><li>• Light interculture operations may be done,</li><li>• Spray Chlorpyriphos/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)	Grain filling / Ripening/ Maturing	<b><u>Gundhi bug</u></b>          <b><u>Rat</u></b>	<ul style="list-style-type: none"><li>• In present weather conditions large scale attack of Gundhi bug has been reported from rice field. If damage level is high, use Malathion dust 5%,</li><li>• Wherever rat menace is there, install rat trap,</li><li>• <b>When severity is high use aluminium phosphide pellets for fumigating the rat burrows,</b></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	Field preparation/ Planting/ Vegetative		<ul style="list-style-type: none"><li>• Seed dipping with Dithane M45 @2.5 grams per litre of water for 30 minutes is advised before planting,</li><li>• Monitor the crop against attack of Cutworm,</li></ul>
Turmeric and ginger	Growing	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	Vegetative	Leaf eating catterpillar	<ul style="list-style-type: none"><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	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 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>
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 and VETERINARY ASPECT</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>• Maintain warmth by lighting filament bulb in the shed,</li> <li>• Adults: Close the ventilation during the night hours with gunny bags/polythene sheets,</li> <li>• Provide anticoccidial medicines along with feeds,</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>• Wherever wounds are there treat with local preparation</li> <li>• Feeds: Properly cook the feed, avoid feeding half cooked feeds,</li> <li>• Piglets: Provide warmth by lighting with filament bulb/cushioning material,</li> <li>• Care pregnant animals,</li> </ul>
Cattle	All stages		<ul style="list-style-type: none"> <li>• Lighting to maintain warmth in the shade,</li> <li>• Deworming,</li> <li>• As green feeds supply will decrease, provide quality feeds,</li> </ul>
Rabbits	All stages	Snuffles	<ul style="list-style-type: none"> <li>• Keep strict vigil</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



(East Kameng)

No:-55/2013-14/Fri

Dated: 25<sup>th</sup> October, 2013

## Weather during the period

### Rainfall: -

- Seppa – 0.0 mm

### Weather Forecast

- Rainfall – Partly cloudy/cloudy with scattered rains fcst-next 2/3 days.
- Temperature - The temperature is likely to be in the range of 16-26 °C.
- Relative Humidity - The RH is likely to be in the range of 51-97 %.

## Weather Based Agro-meteorological Advisories Bulletin

Crop	Stage	Pest/Disease	Precautionary Practices to be followed
VEGETABLE CROPS			
Cauliflower/ Cabbage/ Radish	Transplanting /Vegetative	Leaf eating caterpillars          Wirestem	<ul style="list-style-type: none"><li>• In present weather conditions severe attack of leaf eating caterpillars has been reported. Spray <i>Chlorpyriphos/Imidacloprid</i> 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><li>• Farmers are advised to manually collect and destroy the larvae, wherever population is not large.</li><li>• In present weather conditions severe attack of wirestem disease is reported from different part. Drenching with Carbendazim 50 % WP @ 1 grams per litre of water is advised,</li></ul>
Radish	Vegetative Harvesting	Leaf eating caterpillars	<ul style="list-style-type: none"><li>• <b>Sowing of good quality treated seed may be done</b>,</li><li>• Light interculture operations may be done,</li><li>• Spray Chlorpyriphos/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 ( <i>Mipun</i> )	Grain filling / Ripening/ Maturing	<b><u>Gundhi bug</u></b>          <b><u>Rat</u></b>	<ul style="list-style-type: none"><li>• In present weather conditions large scale attack of Gundhi bug has been reported from rice field. If damage level is high, use Malathion dust 5%,</li><li>• Wherever rat menace is there, install rat trap,</li><li>• <b>When severity is high use aluminium phosphide pellets for fumigating the rat burrows</b>,</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	Field preparation/ Planting/ Vegetative		<ul style="list-style-type: none"><li>• Seed dipping with Dithane M45 @2.5 grams per litre of water for 30 minutes is advised before planting,</li><li>• Monitor the crop against attack of Cutworm,</li></ul>
Mustard	Vegetative	Leaf eating catterpillar	<ul style="list-style-type: none"><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	Vegetative		
FRUIT CROPS			
Khasi Mandarin	Fruit development	Trunk borer, Ants Lichen/	<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></ul>

		Mosses Fruit fly	<ul style="list-style-type: none"> <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>
<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>Maintain warmth by lighting filament bulb in the shed,</li> <li>Adults: Close the ventilation during the night hours with gunny bags/polythene sheets,</li> <li>Provide anticoccidial medicines along with feeds,</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>Wherever wounds are there treat with local preparation</li> <li>Feeds: Properly cook the feed, avoid feeding half cooked feeds,</li> <li>Piglets: Provide warmth by lighting with filament bulb/cushioning material,</li> <li>Care pregnant animals,</li> </ul>
Cattle	All stages		<ul style="list-style-type: none"> <li>Lighting to maintain warmth in the shade,</li> <li>Deworming,</li> <li>As green feeds supply will decrease, provide quality feeds,</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>
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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# Integrated Agro-Meteorological Advisory Services

ICAR Research Complex for NEH Region, Arunachal Pradesh Centre

West Siang, Basar – 791 101



(East Siang)

No:-55/2013-14/Fri

Dated: 25<sup>th</sup> October, 2013

## Weather during the period

- Maximum temperature: 29.6 °C
- Minimum Temperature: 18.6 °C
- Rainfall:  
Pasighat – 23.4 mm
- Relative humidity (%): 63-93

## Weather Forecast

- Rainfall – Partly cloudy/clear weather fct-next 2/3 days. Light rains may occur in isolated places.
- Temperature – Temperature will vary between 19-29 °C.
- Relative Humidity - The RH is likely to be in the range of 37-95 %.

## Weather Based Agro-meteorological Advisories Bulletin

Crop	Stage	Pest/Disease	Precautionary Practices to be followed
VEGETABLE CROPS			
Cauliflower/ Cabbage/ Radish	Transplanting /Vegetative	Leaf eating caterpillars          Wirestem	<ul style="list-style-type: none"> <li>• In present weather conditions severe attack of leaf eating caterpillars has been reported. Spray <i>Chlorpyriphos/ Imidacloprid</i> 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> <li>• Farmers are advised to manually collect and destroy the larvae, wherever population is not large.</li> <li>• In present weather conditions severe attack of wirestem disease is reported from different part. Drenching with Carbendazim 50 % WP @ 1 grams per litre of water is advised,</li> </ul>
Radish	Vegetative Harvesting	Leaf eating caterpillars	<ul style="list-style-type: none"> <li>• <b>Sowing of good quality treated seed may be done</b>,</li> <li>• Light interculture operations may be done,</li> <li>• Spray Chlorpyriphos/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)	Grain filling / Ripening/ Maturing	<u>Gundhi bug</u>          <u>Rat</u>	<ul style="list-style-type: none"> <li>• In present weather conditions large scale attack of Gundhi bug has been reported from rice field. If damage level is high, use Malathion dust 5%,</li> <li>• Wherever rat menace is there, install rat trap,</li> <li>• <b>When severity is high use aluminium phosphide pellets for fumigating the rat burrows</b>,</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	Field preparation/ Planting/ Vegetative		<ul style="list-style-type: none"> <li>• Seed dipping with Dithane M45 @2.5 grams per litre of water for 30 minutes is advised before planting,</li> <li>• Monitor the crop against attack of Cutworm,</li> </ul>
Mustard	Vegetative	Leaf eating catterpillar	<ul style="list-style-type: none"> <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	Vegetative		
FRUIT CROPS			
Khasi Mandarin	Fruit development	Trunk borer,	<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</li> </ul>

		Ants Lichen/ Mosses Fruit fly	treatment with Dichlorvos dipped cotton swabs is advised. <ul style="list-style-type: none"> <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>
<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>• Maintain warmth by lighting filament bulb in the shed,</li> <li>• Adults: Close the ventilation during the night hours with gunny bags/polythene sheets,</li> <li>• Provide anticoccidial medicines along with feeds,</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>• Wherever wounds are there treat with local preparation</li> <li>• Feeds: Properly cook the feed, avoid feeding half cooked feeds,</li> <li>• Piglets: Provide warmth by lighting with filament bulb/cushioning material,</li> <li>• Care pregnant animals,</li> </ul>
Cattle	All stages		<ul style="list-style-type: none"> <li>• Lighting to maintain warmth in the shade,</li> <li>• Deworming,</li> <li>• As green feeds supply will decrease, provide quality feeds,</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>
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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# Integrated Agro-Meteorological Advisory Services

ICAR Research Complex for NEH Region, Arunachal Pradesh Centre

West Siang, Basar – 791 101



(Lohit)

No:-55/2013-14/Fri

Dated: 25<sup>th</sup> October, 2013

## Weather during the period

- Rainfall: -
  - Tezu – 12 mm
  - Namsai – 10.6 mm

## Weather Forecast

- Rainfall: Partly cloudy/cloudy with scattered rains fct-next 2/3 days.
- Temperature –The temperature is likely to be in the range of 16-29°C.
- Relative Humidity - The RH is likely to be in the range of 43-99 %.

## Weather Based Agro-meteorological Advisories Bulletin

Crop	Stage	Pest/Disease	Precautionary Practices to be followed
VEGETABLE CROPS			
Cauliflower/ Cabbage/ Radish	Transplanting /Vegetative	Leaf eating caterpillars          Wirestem	<ul style="list-style-type: none"><li>• <b>In present weather conditions severe attack of leaf eating caterpillars has been reported.</b> Spray <b><i>Chlorpyrifos/Imidacloprid</i></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><li>• Farmers are advised to manually collect and destroy the larvae, wherever population is not large.</li><li>• In present weather conditions severe attack of wirestem disease is reported from different part. Drenching with Carbendazim 50 % WP @ 1 grams per litre of water is advised,</li></ul>
Radish	Vegetative Harvesting	Leaf eating caterpillars	<ul style="list-style-type: none"><li>• <b>Sowing of good quality treated seed may be done,</b></li><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)	Grain filling / Ripening/ Maturing	<b><u>Gundhi bug</u></b>          <b><u>Rat</u></b>	<ul style="list-style-type: none"><li>• In present weather conditions large scale attack of Gundhi bug has been reported from rice field. If damage level is high, use Malathion dust 5%,</li><li>• Wherever rat menace is there, install rat trap,</li><li>• <b>When severity is high use aluminium phosphide pellets for fumigating the rat burrows,</b></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	Field preparation/ Planting/ Vegetative		<ul style="list-style-type: none"><li>• Seed dipping with Dithane M45 @2.5 grams per litre of water for 30 minutes is advised before planting,</li><li>• Monitor the crop against attack of Cutworm,</li></ul>
Turmeric and ginger	Growing	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	Vegetative	Leaf eating catterpillar	<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		<ul style="list-style-type: none"><li>• In present weather conditions farmers are advised to clean the basin along with dropped fruits.</li></ul>

		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 <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			
Livestock	Stage	Disease	Precautionary Practices to be followed
Poultry	All stages		<ul style="list-style-type: none"> <li>• Maintain warmth by lighting filament bulb in the shed,</li> <li>• Adults: Close the ventilation during the night hours with gunny bags/polythene sheets,</li> <li>• Provide anticoccidial medicines along with feeds,</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>• Wherever wounds are there treat with local preparation</li> <li>• Feeds: Properly cook the feed, avoid feeding half cooked feeds,</li> <li>• Piglets: Provide warmth by lighting with filament bulb/cushioning material,</li> <li>• Care pregnant animals,</li> </ul>
Cattle	All stages		<ul style="list-style-type: none"> <li>• Lighting to maintain warmth in the shade,</li> <li>• Deworming,</li> <li>• As green feeds supply will decrease, provide quality feeds,</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:-55/2013-14/Fri

Dated: 25<sup>th</sup> October, 2013

## Weather during the period

- Rainfall: -  
1. Ziro – NA

## Weather Forecast

• <u>Rainfall</u> – Partly cloudy/cloudy with scattered rains fctst-next 2/3 days.
• <u>Temperature</u> - The temperature is likely to be in the range of 6-15°C.
• <u>Relative Humidity</u> - The RH is likely to be in the range of 66-95 %.

## Weather Based Agro-meteorological Advisories Bulletin

Crop	Stage	Pest/Disease	Precautionary Practices to be followed
VEGETABLE CROPS			
Cauliflower/ Cabbage/ Radish	Transplanting /Vegetative	Leaf eating caterpillars  Wirestem	<ul style="list-style-type: none"><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><li>• Farmers are advised to manually collect and destroy the larvae, wherever population is not large.</li><li>• In present weather conditions severe attack of wirestem disease is reported from different part. Drenching with Carbendazim 50 % WP @ 1 grams per litre of water is advised,</li></ul>
Radish	Vegetative Harvesting	Leaf eating caterpillars	<ul style="list-style-type: none"><li>• <b>Sowing of good quality treated seed may be done</b>,</li><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>• <b>Light interculture operations should be done</b>,</li></ul>
FIELD CROPS			
WRC rice – Main crop (Mipun)	Grain filling / Ripening/ Maturing	<b>Gundhi bug</b>  <b>Rat</b>	<ul style="list-style-type: none"><li>• In present weather conditions large scale attack of Gundhi bug has been reported from rice field. If damage level is high, use Malathion dust 5%,</li><li>• Wherever rat menace is there, install rat trap,</li><li>• <b>When severity is high use aluminium phosphide pellets for fumigating the rat burrows</b>,</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 <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			
Livestock	Stage	Disease	Precautionary Practices to be followed
Poultry	All stages		<ul style="list-style-type: none"><li>• Maintain warmth by lighting filament bulb in the shed,</li><li>• Adults: Close the ventilation during the night hours with gunny bags/polythene sheets,</li><li>• Provide anticoccidial medicines along with feeds,</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>• Wherever wounds are there treat with local preparation</li><li>• Feeds: Properly cook the feed, avoid feeding half cooked feeds,</li><li>• Piglets: Provide warmth by lighting with filament bulb/cushioning material,</li><li>• Care pregnant animals,</li></ul>
Cattle	All stages		<ul style="list-style-type: none"><li>• Lighting to maintain warmth in the shade,</li><li>• Deworming,</li><li>• As green feeds supply will decrease, provide quality feeds,</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>• <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



(Papum Pare)

No:-55/2013-14/Fri

Dated: 25<sup>th</sup> October, 2013

## Weather during the period

- Maximum temperature: 32.6 °C
- Minimum Temperature: 17.8°C
- Relative Humidity (%):74-93
- Rainfall: -
  - Itanagar – 2.0 mm
  - Naharlagun – 2.2 mm

## Weather Forecast

- Rainfall** – Clear/partly cloudy weather forecasted for next 3-4 days.Light rain may occur in isolated places.
- Temperature** - The temperature is likely to be in the range of 18-31°C.
- Relative Humidity** - The RH is likely to be in the range of 49-93 %.

## Weather Based Agro-meteorological Advisories Bulletin

Crop	Stage	Pest/Disease	Precautionary Practices to be followed
VEGETABLE CROPS			
Cauliflower/ Cabbage/ Radish	Transplanting /Vegetative	Leaf eating caterpillars	<ul style="list-style-type: none"><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><li>• Farmers are advised to manually collect and destroy the larvae, wherever population is not large.</li><li>• In present weather conditions severe attack of wirestem disease is reported from different part. Drenching with Carbendazim 50 % WP @ 1 grams per litre of water is advised,</li></ul>
		Wirestem	
Radish	Vegetative Harvesting	Leaf eating caterpillars	<ul style="list-style-type: none"><li>• <b>Sowing of good quality treated seed may be done</b>,</li><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)	Grain filling / Ripening/ Maturing	<b>Gundhi bug</b>  <b>Rat</b>	<ul style="list-style-type: none"><li>• In present weather conditions large scale attack of Gundhi bug has been reported from rice field. If damage level is high, use Malathion dust 5%,</li><li>• Wherever rat menace is there, install rat trap,</li><li>• <b>When severity is high use aluminium phosphide pellets for fumigating the rat burrows</b>,</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	Field preparation/ Planting/ Vegetative		<ul style="list-style-type: none"><li>• Seed dipping with Dithane M45 @2.5 grams per litre of water for 30 minutes is advised before planting,</li><li>• Monitor the crop against attack of Cutworm,</li></ul>
Mustard	Vegetative	Leaf eating catterpillar	<ul style="list-style-type: none"><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></ul>
Pea	Vegetative		<ul style="list-style-type: none"><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>
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 <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>
<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>• Maintain warmth by lighting filament bulb in the shed,</li> <li>• Adults: Close the ventilation during the night hours with gunny bags/polythene sheets,</li> <li>• Provide anticoccidial medicines along with feeds,</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>• Wherever wounds are there treat with local preparation</li> <li>• Feeds: Properly cook the feed, avoid feeding half cooked feeds,</li> <li>• Piglets: Provide warmth by lighting with filament bulb/cushioning material,</li> <li>• Care pregnant animals,</li> </ul>
Cattle	All stages		<ul style="list-style-type: none"> <li>• Lighting to maintain warmth in the shade,</li> <li>• Deworming,</li> <li>• As green feeds supply will decrease, provide quality feeds,</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>
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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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:-55/2013-14/Fri

Dated: 25<sup>th</sup> October, 2013

## Weather during the period

- Rainfall: -  
1. Tawang –2.0 mm

## Weather Forecast

• <u>Rainfall</u> - Partly cloudy/cloudy with scattered rains fcst-next 2/3 days.
• <u>Temperature</u> - The temperature is likely to be in the range of 5-15 °C.
• <u>Relative Humidity</u> - The RH is likely to be in the range of 52-90 %.

## 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>• 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>
Mustard (leafy vegetables)	Sowing Vegetative		<ul style="list-style-type: none"><li>• <b>Sowing of good quality seeds for leafy vegetable purpose may be done,</b></li></ul>
LIVESTOCKS			
Livestock	Stage	Disease	Precautionary Practices to be followed
Poultry	All stages		<ul style="list-style-type: none"><li>• Maintain warmth by lighting filament bulb in the shed,</li><li>• Adults: Close the ventilation during the night hours with gunny bags/polythene sheets,</li><li>• Provide anticoccidial medicines along with feeds,</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>• Deworming,</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>

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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



(Tirap)

No:-55/2013-14/Fri

Dated: 25<sup>th</sup> October, 2013

## Weather during the period

- Rainfall: -
  - Khonsa –NA
  - Deomali –8.0 mm

## Weather Forecast

- Rainfall – Clear/partly cloudy weather forecasted for next 3-4 days. High humid conditions during first half forecasted.
- Temperature - The temperature is likely to be in the range of 19-29°C.
- Relative Humidity - The RH is likely to be in the range of 48-100 %.

## Weather Based Agro-meteorological Advisories Bulletin

Crop	Stage	Pest/Disease	Precautionary Practices to be followed
<b>VEGETABLE CROPS</b>			
Cauliflower/ Cabbage/ Radish	Transplanting /Vegetative	Leaf eating caterpillars  Wirestem	<ul style="list-style-type: none"> <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> <li>• Farmers are advised to manually collect and destroy the larvae, wherever population is not large.</li> <li>• In present weather conditions severe attack of wirestem disease is reported from different part. Drenching with Carbendazim 50 % WP @ 1 grams per litre of water is advised,</li> </ul>
Radish	Vegetative Harvesting	Leaf eating caterpillars	<ul style="list-style-type: none"> <li>• <b>Sowing of good quality treated seed may be done,</b></li> <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>
<b>FIELD CROPS</b>			
WRC rice – Main crop (Mipun)	Grain filling / Ripening/ Maturing	<b>Gundhi bug</b>  <b>Rat</b>	<ul style="list-style-type: none"> <li>• In present weather conditions large scale attack of Gundhi bug has been reported from rice field. If damage level is high, use Malathion dust 5%,</li> <li>• Wherever rat menace is there, install rat trap,</li> <li>• <b>When severity is high use aluminium phosphide pellets for fumigating the rat burrows,</b></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	Field preparation/ Planting/ Vegetative		<ul style="list-style-type: none"> <li>• Seed dipping with Dithane M45 @2.5 grams per litre of water for 30 minutes is advised before planting,</li> <li>• Monitor the crop against attack of Cutworm,</li> </ul>
Turmeric and ginger	Growing	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	Vegetative	Leaf eating catterpillar	<ul style="list-style-type: none"> <li>• Monitor for attack of cut worm in the germinated fields,</li> </ul>
Pea	Field preparation Sowing		<ul style="list-style-type: none"> <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>
<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>
LIVESTOCKS			
Livestock	Stage	Disease	Precautionary Practices to be followed
Poultry	All stages		<ul style="list-style-type: none"> <li>• Maintain warmth by lighting filament bulb in the shed,</li> <li>• Adults: Close the ventilation during the night hours with gunny bags/polythene sheets,</li> <li>• Provide anticoccidial medicines along with feeds,</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>• Wherever wounds are there treat with local preparation</li> <li>• Feeds: Properly cook the feed, avoid feeding half cooked feeds,</li> <li>• Piglets: Provide warmth by lighting with filament bulb/cushioning material,</li> <li>• Care pregnant animals,</li> </ul>
Cattle	All stages		<ul style="list-style-type: none"> <li>• Lighting to maintain warmth in the shade,</li> <li>• Deworming,</li> <li>• As green feeds supply will decrease, provide quality feeds,</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



(Upper Siang)

No:-55/2013-14/Fri

Dated: 25<sup>th</sup> October, 2013

## Weather during the period

- Rainfall: -  
N Tuting – 2.8 mm

## Weather Forecast

• <u>Rainfall</u> – Partly cloudy/cloudy with scattered rains fcst-next 2/3 days.
• <u>Temperature</u> - The temperature is likely to be in the range of 12-21°C.
• <u>Relative Humidity</u> - The RH is likely to be in the range of 41-92 %.

## Weather Based Agro-meteorological Advisories Bulletin

Crop	Stage	Pest/Disease	Precautionary Practices to be followed
<b>VEGETABLE CROPS</b>			
Cauliflower/ Cabbage/ Radish	Transplanting /Vegetative	Leaf eating caterpillars	<ul style="list-style-type: none"> <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> <li>• Farmers are advised to manually collect and destroy the larvae, wherever population is not large.</li> <li>• In present weather conditions severe attack of wirestem disease is reported from different part. Drenching with Carbendazim 50 % WP @ 1 grams per litre of water is advised,</li> </ul>
		Wirestem	
Radish	Vegetative Harvesting	Leaf eating caterpillars	<ul style="list-style-type: none"> <li>• <b>Sowing of good quality treated seed may be done,</b></li> <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>
<b>FIELD CROPS</b>			
WRC rice – Main crop (Mipun)	Grain filling / Ripening/ Maturing	<b>Gundhi bug</b>	<ul style="list-style-type: none"> <li>• In present weather conditions large scale attack of Gundhi bug has been reported from rice field. If damage level is high, use Malathion dust 5%,</li> <li>• Wherever rat menace is there, install rat trap,</li> <li>• <b>When severity is high use aluminium phosphide pellets for fumigating the rat burrows,</b></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>
		<b>Rat</b>	
Potato	Field preparation/ Planting/ Vegetative		<ul style="list-style-type: none"> <li>• Seed dipping with Dithane M45 @2.5 grams per litre of water for 30 minutes is advised before planting,</li> <li>• Monitor the crop against attack of Cutworm,</li> </ul>
Mustard	Vegetative	Leaf eating catterpillar	<ul style="list-style-type: none"> <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		
<b>FRUIT CROPS</b>			
Khasi Mandarin	Fruit development	Trunk borer, Ants Lichen/	<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> </ul>



		Mosses Fruit fly	<ul style="list-style-type: none"> <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>
<b>LIVESTOCKS and VETERINARY ASPECT</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>• Maintain warmth by lighting filament bulb in the shed,</li> <li>• Adults: Close the ventilation during the night hours with gunny bags/polythene sheets,</li> <li>• Provide anticoccidial medicines along with feeds,</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>• Wherever wounds are there treat with local preparation</li> <li>• Feeds: Properly cook the feed, avoid feeding half cooked feeds,</li> <li>• Piglets: Provide warmth by lighting with filament bulb/cushioning material,</li> <li>• Care pregnant animals,</li> </ul>
Cattle	All stages		<ul style="list-style-type: none"> <li>• Lighting to maintain warmth in the shade,</li> <li>• Deworming,</li> <li>• As green feeds supply will decrease, provide quality feeds,</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)

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:-55/2013-14/Fri

Dated: 25<sup>th</sup> October, 2013

## Weather during the period

- Rainfall: -
  - Daporijo- 2.0 mm

## Weather Forecast

• <u>Rainfall</u> – Partly cloudy/cloudy with scattered rains fcst-next 2/3 days.
• <u>Temperature</u> - The temperature is likely to be in the range of 12-24°C.
• <u>Relative Humidity</u> - The RH is likely to be in the range of 55-94 %.

## Weather Based Agro-meteorological Advisories Bulletin

Crop	Stage	Pest/Disease	Precautionary Practices to be followed
<b>VEGETABLE CROPS</b>			
Cauliflower/ Cabbage/ Radish	Transplanting /Vegetative	Leaf eating caterpillars          Wirestem	<ul style="list-style-type: none"> <li>• <b>In present weather conditions severe attack of leaf eating caterpillars has been reported.</b> 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> <li>• Farmers are advised to manually collect and destroy the larvae, wherever population is not large.</li> <li>• In present weather conditions severe attack of wirestem disease is reported from different part. Drenching with Carbendazim 50 % WP @ 1 grams per litre of water is advised,</li> </ul>
Radish	Vegetative Harvesting	Leaf eating caterpillars	<ul style="list-style-type: none"> <li>• <b>Sowing of good quality treated seed may be done,</b></li> <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>
<b>FIELD CROPS</b>			
WRC rice – Main crop (Mipun)	Grain filling / Ripening/ Maturing	<b>Gundhi bug</b>          <b>Rat</b>	<ul style="list-style-type: none"> <li>• In present weather conditions large scale attack of Gundhi bug has been reported from rice field. If damage level is high, use Malathion dust 5%,</li> <li>• Wherever rat menace is there, install rat trap,</li> <li>• <b>When severity is high use aluminium phosphide pellets for fumigating the rat burrows,</b></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	Field preparation/ Planting/ Vegetative		<ul style="list-style-type: none"> <li>• Seed dipping with Dithane M45 @2.5 grams per litre of water for 30 minutes is advised before planting,</li> <li>• Monitor the crop against attack of Cutworm,</li> </ul>
Turmeric and ginger	Growing	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	Vegetative	Leaf eating catterpillar	<ul style="list-style-type: none"> <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> </ul>
Pea	Field preparation Sowing		<ul style="list-style-type: none"> <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>
<b>FRUIT CROPS</b>			
Khasi Mandarin	Fruit development		<ul style="list-style-type: none"> <li>• In present weather conditions farmers are advised to clean the basin along with dropped fruits.</li> </ul>

		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 <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>
<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>• Maintain warmth by lighting filament bulb in the shed,</li> <li>• Adults: Close the ventilation during the night hours with gunny bags/polythene sheets,</li> <li>• Provide anticoccidial medicines along with feeds,</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>• Wherever wounds are there treat with local preparation</li> <li>• Feeds: Properly cook the feed, avoid feeding half cooked feeds,</li> <li>• Piglets: Provide warmth by lighting with filament bulb/cushioning material,</li> <li>• Care pregnant animals,</li> </ul>
Cattle	All stages		<ul style="list-style-type: none"> <li>• Lighting to maintain warmth in the shade,</li> <li>• Deworming,</li> <li>• As green feeds supply will decrease, provide quality feeds,</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:-55/2013-14/Fri

Dated: 25<sup>th</sup> October, 2013

## Weather during the period

- Rainfall: - Bomdila –0.0 mm  
Bhalokpung – 63.4 mm

## Weather Forecast

- Rainfall- Partly cloudy/cloudy with scattered rains fct-next 2/3 days.
- Temperature - The temperature is likely to be in the range of 9-21°C.
- Relative Humidity - The RH is likely to be in the range of 52-96 %.

## Weather Based Agro-meteorological Advisories Bulletin

Crop	Stage	Pest/Disease	Precautionary Practices to be followed
FRUITS			
Apple	Harvesting	Fruit Fly	<ul style="list-style-type: none"><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></ul>
		Trunk Borer	<ul style="list-style-type: none"><li>• Urgent/immediate treatment of affected parts of trees,</li></ul>
VEGETABLE CROPS			
Cauliflower / Cabbage/ Radish	Harvesting	Cutworm	<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>
		Diamond back moth	
Radish	Vegetative Maturity		<ul style="list-style-type: none"><li>• <b>Harvest,</b></li></ul>
Mustard (leafy vegetables)	Sowing Vegetative		<ul style="list-style-type: none"><li>• <b>Sowing of good quality seeds for leafy vegetable purpose may be done,</b></li></ul>
LIVESTOCKS			
Livestock	Stage	Disease	Precautionary Practices to be followed
Poultry	All stages		<ul style="list-style-type: none"><li>• Maintain warmth by lighting filament bulb in the shed,</li><li>• Adults: Close the ventilation during the night hours with gunny bags/polythene sheets,</li><li>• Provide anticoccidial medicines along with feeds,</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>• Deworming,</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>

**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:-55/2013-14/Fri

Dated: 25<sup>th</sup> October, 2013

## Weather during the period

- During the period weather was clear,sunny and dry.
- Maximum temperature: **29.0°C**
- Minimum Temperature: **15.0°C**
- Rainfall: **31.5 mm**
- Evapotranspiration: - -
- Relative Humidity (%):-**68-91 %**
- Soil moisture (m<sup>2</sup>/ m<sup>2</sup>):**0.24**
- Prominent Wind Direction: **North East (Morning hours) & Variable (Afternoon)**
- Average Wind Speed: **0.6 metres per second**
- Average Sunshine hours : **6.6 hours**

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

## Weather Forecast

- |  |
|--|
| • <u>Rainfall</u> :Partly cloudy/cloudy with scattered rains fcst-next 2/3 days. |
| • <u>Temperature</u> – Temperature will vary between 14-26°C.                    |
| • <u>Relative Humidity</u> - The RH is likely to be in the range of 45-94 %.     |

## Weather Based Agro-meteorological Advisories Bulletin

Crop	Stage	Pest/Disease	Precautionary Practices to be followed
VEGETABLE CROPS			
Cauliflower/ Cabbage/ Radish	Transplanting /Vegetative	Leaf eating caterpillars	<ul style="list-style-type: none"><li>• <b>In present weather conditions severe attack of leaf eating caterpillars has been reported.</b> 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><li>• Farmers are advised to manually collect and destroy the larvae, wherever population is not large.</li><li>• In present weather conditions severe attack of wirestem disease is reported from different part. Drenching with Carbendazim 50 % WP @ 1 grams per litre of water is advised,</li></ul>
		Wirestem	
Radish	Vegetative Harvesting	Leaf eating caterpillars	<ul style="list-style-type: none"><li>• <b>Sowing of good quality treated seed may be done,</b></li><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)	Grain filling / Ripening/ Maturing	<b>Gundhi bug</b>  <b>Rat</b>	<ul style="list-style-type: none"><li>• In present weather conditions large scale attack of Gundhi bug has been reported from rice field. If damage level is high, use Malathion dust 5%,</li><li>• Wherever rat menace is there, install rat trap,</li><li>• <b>When severity is high use aluminium phosphide pellets for fumigating the rat burrows,</b></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	Field preparation/ Planting/ Vegetative		<ul style="list-style-type: none"><li>• Seed dipping with Dithane M45 @2.5 grams per litre of water for 30 minutes is advised before planting,</li><li>• Monitor the crop against attack of Cutworm,</li></ul>



Turmeric and ginger	Growing	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	Vegetative	Leaf eating catterpillar	<ul style="list-style-type: none"><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	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 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>
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>Maintain warmth by lighting filament bulb in the shed,</li><li>Adults: Close the ventilation during the night hours with gunny bags/polythene sheets,</li><li>Provide anticoccidial medicines along with feeds,</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>Wherever wounds are there treat with local preparation</li><li>Feeds: Properly cook the feed, avoid feeding half cooked feeds,</li><li>Piglets: Provide warmth by lighting with filament bulb/cushioning material,</li><li>Care pregnant animals,</li></ul>
Cattle	All stages		<ul style="list-style-type: none"><li>Lighting to maintain warmth in the shade,</li><li>Deworming,</li><li>As green feeds supply will decrease, provide quality feeds,</li></ul>
Rabbits	All stages	Snuffles	<ul style="list-style-type: none"><li>Keep strict vigil</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>Contact Scientists (ICAR) or State Agril Staff or KVK staff for any queries/measures against adverse conditions or call at 03795226247/37</li></ul>			