



# Integrated Agro-Meteorological Advisory Services

ICAR Research Complex for NEH Region, Arunachal Pradesh Centre

West Siang, Basar – 791 101



(Changlang)

No:-54/2013-14/Tue

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

## Weather during the period

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

## Weather Forecast

- **Rainfall** – Clear weather forecasted for next 3-4 days.
- **Temperature** - The temperature is likely to be in the range of 14-24 °C.
- **Relative Humidity** - The RH is likely to be in the range of 54-99 %.

## Weather Based Agro-meteorological Advisories Bulletin

| Crop  | Stage  | Pest/Disease                        | Precautionary Practices to be followed  |
|---|--|-------------------------------------|---|
| <b>VEGETABLE CROPS</b>                      |  |                                     |   |
| Cauliflower/<br>Cabbage/<br>Radish          | Transplanting<br>/Vegetative                     | Leaf eating<br>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. 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<br>Harvesting                         | Leaf eating<br>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/<br>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 –<br>Main crop<br>( <i>Mipun</i> ) | Grain filling /<br>Ripening/<br>Maturing         | <b>Gundhi bug</b><br><br><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<br>preparation/<br>Planting/<br>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<br>ginger                      | Growing  | Soft rot,<br><br>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<br>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<br>preparation<br>Sowing                   |                                     |   |
| <b>FRUIT CROPS</b>                          |  |                                     |   |
| Khasi<br>Mandarin                           | Fruit<br>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<br>Lichen/<br>Mosses<br>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> |
|--|------------|--|--|
| 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> |            |  |  |

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:-54/2013-14/Tue

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

## Weather during the period

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

## Weather Forecast

|  |
|--|
| • <b>Rainfall</b> – Clear and dry weather forecasted for next 3-4 days.      |
| • <b>Temperature</b> – Temperature will vary between 6-18°C.                 |
| • <b>Relative Humidity</b> - The RH is likely to be in the range of 28-79 %. |

## Weather Based Agro-meteorological Advisories Bulletin

| Crop  | Stage  | Pest/Disease                        | Precautionary Practices to be followed   |
|---|--|-------------------------------------|--|
| VEGETABLE CROPS                             |  |                                     |  |
| Cauliflower/<br>Cabbage/<br>Radish          | Transplanting<br>/Vegetative                     | Leaf eating<br>caterpillars         | <ul style="list-style-type: none"><li>• In present weather conditions severe attack of leaf eating caterpillars has been reported. Spray <b>Chlorpyriphos/Imidacloprid</b> in recommended dose in the next one or two days. 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<br>Harvesting                         | Leaf eating<br>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/<br>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 –<br>Main crop<br>( <i>Mipun</i> ) | Grain filling /<br>Ripening/<br>Maturing         | <b>Gundhi bug</b><br><br><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<br>preparation/<br>Planting/<br>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<br>ginger                      | Growing  | Soft rot,<br><br>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<br>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<br>Mandarin                           | Fruit<br>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,<br>Ants<br>Lichen/<br>Mosses<br>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 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<br>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:-54/2013-14/Tue

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

## Weather during the period

### Rainfall: -

- Seppa – NA

### Weather Forecast

- Rainfall – Clear weather forecasted for next 3-4 days.
- Temperature - The temperature is likely to be in the range of 6-17 °C.
- Relative Humidity - The RH is likely to be in the range of 46-96 %.

## Weather Based Agro-meteorological Advisories Bulletin

| Crop  | Stage  | Pest/Disease  | Precautionary Practices to be followed  |
|---|--|---|---|
| VEGETABLE CROPS                             |  |   |   |
| Cauliflower/<br>Cabbage/<br>Radish          | Transplanting<br>/Vegetative                     | Leaf eating<br>caterpillars<br><br><br><br><br><br>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. 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<br>Harvesting                         | Leaf eating<br>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/<br>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 –<br>Main crop<br>( <i>Mipun</i> ) | Grain filling /<br>Ripening/<br>Maturing         | <b><u>Gundhi bug</u></b><br><br><br><br><br><br><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<br>preparation/<br>Planting/<br>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<br>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<br>Mandarin                           | Fruit<br>development                             | Trunk borer,<br>Ants<br>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<br>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<br>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  
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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:-54/2013-14/Tue

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

## Weather during the period

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

## Weather Forecast

- Rainfall – Clear weather forecasted for next 3-4 days.
- Temperature – Temperature will vary between 18-29 °C.
- Relative Humidity - The RH is likely to be in the range of 32-91 %.

## Weather Based Agro-meteorological Advisories Bulletin

| Crop                               | Stage  | Pest/Disease  | Precautionary Practices to be followed  |
|------------------------------------|--|---|---|
| VEGETABLE CROPS                    |  |   |   |
| Cauliflower/<br>Cabbage/<br>Radish | Transplanting<br>/Vegetative                     | Leaf eating caterpillars<br><br><br><br><br><br><br><br><br><br>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. Dose-Imidacloprid 17SL @ 1-2 ml per litre depending upon the population,</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<br>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/<br>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 –<br>Main crop<br>(Mipun) | Grain filling /<br>Ripening/<br>Maturing         | <u><b>Gundhi bug</b></u><br><br><br><br><br><br><br><br><br><br><u><b>Rat</b></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<br>preparation/<br>Planting/<br>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<br>Mandarin                  | Fruit<br>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<br>Lichen/<br>Mosses<br>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<br>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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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:-54/2013-14/Tue

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

## Weather during the period

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

## Weather Forecast

- Rainfall: Clear weather forecasted for next 3-4 days. Occasional fog may be there.
- Temperature –The temperature is likely to be in the range of 18-29°C.
- Relative Humidity - The RH is likely to be in the range of 49-97 %.

## Weather Based Agro-meteorological Advisories Bulletin

| Crop                               | Stage  | Pest/Disease                                      | Precautionary Practices to be followed  |
|------------------------------------|--|---|---|
| <b>VEGETABLE CROPS</b>             |  |   |   |
| Cauliflower/<br>Cabbage/<br>Radish | Transplanting<br>/Vegetative                     | Leaf eating<br>caterpillars<br><br>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. 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<br>Harvesting                         | Leaf eating<br>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/<br>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 –<br>Main crop<br>(Mipun) | Grain filling /<br>Ripening/<br>Maturing         | <b><u>Gundhi bug</u></b><br><br><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<br>preparation/<br>Planting/<br>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<br>ginger             | Growing  | Soft rot,<br><br>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<br>catterpillar                       | <ul style="list-style-type: none"> <li>• Monitor for attack of cut worm in the germinated fields,</li> </ul>  |
| Pea                                | Field<br>preparation<br>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<br>Mandarin                  | Fruit<br>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<br>Lichen/<br>Mosses<br>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> |
|--|------------|--|--|
| 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:-54/2013-14/Tue

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

## Weather during the period

- Rainfall: -
  - Ziro – NA

## Weather Forecast

- Rainfall – Clear weather forecasted for next 3-4 days. Occasional fog may be there.
- Temperature - The temperature is likely to be in the range of 5-13°C.
- Relative Humidity - The RH is likely to be in the range of 44-92 %.

## Weather Based Agro-meteorological Advisories Bulletin

| Crop                               | Stage                                    | Pest/Disease   | Precautionary Practices to be followed  |
|------------------------------------|--|--|---|
| VEGETABLE CROPS                    |  |  |   |
| Cauliflower/<br>Cabbage/<br>Radish | Transplanting<br>/Vegetative             | Leaf eating<br>caterpillars<br><br>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. 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<br>Harvesting                 | Leaf eating<br>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/<br>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 –<br>Main crop<br>(Mipun) | Grain filling /<br>Ripening/<br>Maturing | <b>Gundhi bug</b><br><br><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<br>Mandarin                  | Fruit<br>development                     | Trunk borer,<br>Ants<br>Lichen/<br>Mosses<br>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<br>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:-54/2013-14/Tue

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

## Weather during the period

- Maximum temperature: NA
- Minimum Temperature: NA
- Relative Humidity (%):NA
- Rainfall: -
  - Itanagar – NA
  - Naharlagun – NA

## Weather Forecast

- Rainfall – Clear weather forecasted for next 3-4 days.
- Temperature - The temperature is likely to be in the range of 20-28°C.
- Relative Humidity - The RH is likely to be in the range of 41-94 %.

## Weather Based Agro-meteorological Advisories Bulletin

| Crop  | Stage  | Pest/Disease  | Precautionary Practices to be followed  |
|---|--|---|---|
| VEGETABLE CROPS                             |  |   |   |
| Cauliflower/<br>Cabbage/<br>Radish          | Transplanting<br>/Vegetative                     | Leaf eating caterpillars<br><br><br><br><br><br><br><br><br><br>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. 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<br>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/<br>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 –<br>Main crop<br>( <i>Mipun</i> ) | Grain filling /<br>Ripening/<br>Maturing         | <b><u>Gundhi bug</u></b><br><br><br><br><br><br><br><br><br><br><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<br>preparation/<br>Planting/<br>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<br>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,<br>Ants<br>Lichen/<br>Mosses<br>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<br>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:-54/2013-14/Tue

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

## Weather during the period

- Rainfall: -  
1. Tawang –NA

## Weather Forecast

- Rainfall- Clear/partially cloudy weather forecasted for next 3-4 days. Occasional fog may be there.
- Temperature - The temperature is likely to be in the range of 6-16 °C.
- Relative Humidity - The RH is likely to be in the range of 48-90 %.

## Weather Based Agro-meteorological Advisories Bulletin

| Crop                                   | Stage               | Pest/Disease                     | Precautionary Practices to be followed  |
|--|---------------------|----------------------------------|---|
| FRUITS                                 |                     |                                  |   |
| Apple                                  | Harvesting          | Fruit Fly<br><br>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<br>/<br>Cabbage/<br>Radish | Harvesting          | Cutworm<br><br>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<br>(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



(Tirap)

No:-54/2013-14/Tue

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

## Weather during the period

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

## Weather Forecast

|   |
|---|
| • <u>Rainfall</u> – Clear weather forecasted for next 3-4 days.                 |
| • <u>Temperature</u> - The temperature is likely to be in the range of 18-28°C. |
| • <u>Relative Humidity</u> - The RH is likely to be in the range of 41-100 %.   |

## Weather Based Agro-meteorological Advisories Bulletin

| Crop                               | Stage  | Pest/Disease                 | Precautionary Practices to be followed   |
|------------------------------------|--|------------------------------|--|
| <b>VEGETABLE CROPS</b>             |  |                              |  |
| Cauliflower/<br>Cabbage/<br>Radish | Transplanting<br>/Vegetative                     | Leaf eating<br>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. Dose-Imidacloprid 17SL @ 1-2 ml per litre depending upon the population,</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<br>Harvesting                         | Leaf eating<br>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/<br>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 –<br>Main crop<br>(Mipun) | Grain filling /<br>Ripening/<br>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<br>preparation/<br>Planting/<br>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<br>ginger             | Growing  | Soft rot,<br><br>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<br>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<br>preparation<br>Sowing                   |                              |  |
| <b>FRUIT CROPS</b>                 |  |                              |  |
| Khasi<br>Mandarin                  | Fruit<br>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<br>Lichen/<br>Mosses<br>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> |
|--|------------|--|--|
| 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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 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



(Upper Siang)

No:-54/2013-14/Tue

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

## Weather during the period

- Rainfall: -  
N Tuting – NA

## Weather Forecast

- Rainfall – Clear weather forecasted for next 3-4 days.
- Temperature - The temperature is likely to be in the range of 16-23°C.
- Relative Humidity - The RH is likely to be in the range of 33-89 %.

## Weather Based Agro-meteorological Advisories Bulletin

| Crop                               | Stage  | Pest/Disease                              | Precautionary Practices to be followed   |
|------------------------------------|--|---|--|
| <b>VEGETABLE CROPS</b>             |  |   |  |
| Cauliflower/<br>Cabbage/<br>Radish | Transplanting<br>/Vegetative                     | Leaf eating<br>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. Dose-Imidacloprid 17SL @ 1-2 ml per litre depending upon the population,</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<br>Harvesting                         | Leaf eating<br>caterpillars               | <ul style="list-style-type: none"> <li>• Sowing of good quality treated seed may be done,</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/<br>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 –<br>Main crop<br>(Mipun) | Grain filling /<br>Ripening/<br>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>• 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>   |
|                                    |  | <b>Rat</b>                                |  |
| Potato                             | Field<br>preparation/<br>Planting/<br>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<br>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<br>preparation<br>Sowing                   |   |  |
| <b>FRUIT CROPS</b>                 |  |   |  |
| Khasi<br>Mandarin                  | Fruit<br>development                             | Trunk borer,<br>Ants<br>Lichen/<br>Mosses | <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</li> </ul>  |



|  |              |                      |   |
|--|--------------|----------------------|---|
|  |              | Fruit fly            | pheromone traps to monitor the pest population and collect and destroy the adult insects. Installation of pheromone traps may also be done,   |
| <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<br>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:-54/2013-14/Tue

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

## Weather during the period

- Rainfall: -
  - Daporijo- NA

## Weather Forecast

|  |
|--|
| • <u>Rainfall</u> – Clear/partially cloudy weather forecasted for next 3-4 days. |
| • <u>Temperature</u> - The temperature is likely to be in the range of 5-11°C.   |
| • <u>Relative Humidity</u> - The RH is likely to be in the range of 47-92 %.     |

## Weather Based Agro-meteorological Advisories Bulletin

| Crop                               | Stage  | Pest/Disease   | Precautionary Practices to be followed  |
|------------------------------------|--|--|---|
| VEGETABLE CROPS                    |  |  |   |
| Cauliflower/<br>Cabbage/<br>Radish | Transplanting<br>/Vegetative                     | Leaf eating caterpillars<br><br><br><br><br><br><br><br><br><br>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. 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<br>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/<br>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 –<br>Main crop<br>(Mipun) | Grain filling /<br>Ripening/<br>Maturing         | <b>Gundhi bug</b><br><br><br><br><br><br><br><br><br><br><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<br>preparation/<br>Planting/<br>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<br>ginger             | Growing  | Soft rot,<br><br>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<br>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<br>preparation<br>Sowing                   |  |   |
| FRUIT CROPS                        |  |  |   |
| Khasi<br>Mandarin                  | Fruit<br>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<br>Lichen/<br>Mosses<br>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<br>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:-54/2013-14/Tue

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

## Weather during the period

- Rainfall: - Bomdila –NA  
Bhalokpung – NA

## Weather Forecast

- Rainfall- Clear/partially cloudy weather forecasted for next 3-4 days. Occasional fog may be there.
- Temperature - The temperature is likely to be in the range of 6-16°C.
- Relative Humidity - The RH is likely to be in the range of 48-95 %.

## Weather Based Agro-meteorological Advisories Bulletin

| Crop                                   | Stage                  | Pest/Disease                        | Precautionary Practices to be followed  |
|--|------------------------|-------------------------------------|---|
| FRUITS                                 |                        |                                     |   |
| Apple                                  | Harvesting             | Fruit Fly<br><br>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<br>/<br>Cabbage/<br>Radish | Harvesting             | Cutworm<br><br>Diamond<br>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<br>Maturity |                                     | <ul style="list-style-type: none"><li>• <b>Harvest,</b></li></ul>   |
| Mustard<br>(leafy<br>vegetables)       | Sowing<br>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)**

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

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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:-54/2013-14/Tue

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

## Weather during the period

- During the period weather was cloudy/partially cloudy and light/moderate rains recorded.
- Maximum temperature: **27.5°C**
- Minimum Temperature: **17.0°C**
- Rainfall: **31.5 mm**
- Evapotranspiration: - -
- Relative Humidity (%):-**83-100 %**
- Soil moisture (m<sup>2</sup>/ m<sup>3</sup>):**0.26**
- Prominent Wind Direction: **North East (Morning hours) & North West (Afternoon)**
- Average Wind Speed: **0.4 metres per second**
- Average Sunshine hours : **0.8 hours**

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

## Weather Forecast

- Rainfall – Clear/partially cloudy weather forecasted for next 3-4 days.
- Temperature – Temperature will vary between 16-23°C.
- Relative Humidity - The RH is likely to be in the range of 38-92 %.

## Weather Based Agro-meteorological Advisories Bulletin

| Crop                               | Stage  | Pest/Disease                        | Precautionary Practices to be followed   |
|------------------------------------|--|-------------------------------------|--|
| VEGETABLE CROPS                    |  |                                     |  |
| Cauliflower/<br>Cabbage/<br>Radish | Transplanting<br>/Vegetative                     | Leaf eating<br>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. 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<br>Harvesting                         | Leaf eating<br>caterpillars         |  |
| Carrot                             | Vegetative                                       |                                     | <ul style="list-style-type: none"><li>• Light interculture operations should be done,</li></ul>  |
| Spinach                            | Sowing/<br>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 –<br>Main crop<br>(Mipun) | Grain filling /<br>Ripening/<br>Maturing         | <b>Gundhi bug</b><br><br><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<br>preparation/<br>Planting/<br>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,<br><br>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,<br>Ants<br>Lichen/<br>Mosses<br>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<br>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> |                   |  |   |