

ICAR Research Complex for NEH Region, Arunachal Pradesh Centre

West Siang, Basar – 791 101



## (Dibang Valley)

No:-58/2013-14/Tue Dated: 12<sup>th</sup> November, 2013

# Weather during the period

- Rainfall: -
  - Roing NA
  - Anini NA

### **Weather Forecast**

- Rainfall: Clear/dry weather forecasted for next 3-4 days. Fog/shallow fog forecasted during the morning hours.
- <u>Temperature</u> Temperature will vary between 6-20°C.
- Relative Humidity The RH is likely to be in the range of 17-58 %.

### Weather Based Agro-meteorological Advisories Bulletin

| Crop  | Stage                    | Pest/Disease                            | Precautionary Practices to be followed   |
|---|--------------------------|---|--|
| Стор  | Stage                    |   | EGETABLE CROPS   |
| Cauliflower/<br>Cabbage/<br>Brocolli/<br>Knolkhol | Vegetative               | Leaf eating/<br>Cabbage<br>caterpillars | <ul> <li>Maintain strict monitoring against leaf eating caterpillars,</li> <li>Light weeding is advised,</li> <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-Imidacloprid 17SL @ 1-2 ml per litre depending upon the population,</li> </ul>  |
| Radish  | Vegetative<br>Harvesting | Leaf eating caterpillars                | <ul><li>Light interculture operations may be done,</li><li>Spray Chlorpyriphos/Imidacloprid in recommended dose.</li></ul>   |
| Carrot  | Vegetative               | r                                       | <ul> <li>Light interculture operations should be done,</li> </ul>  |
| Spinach   | Sowing/<br>Vegetative    |   | <ul> <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>  |
| MDO :   | 3.6                      | 0 11:1                                  | FIELD CROPS  |
| WRC rice – Main crop (Mipun)                      | Maturing                 | Gundhi bug<br>Rat                       | <ul> <li>The crop which are in maturity stage and are about to be harvested in a week or so, drain out the water from the plot,</li> <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> |
| Potato  | Planting/<br>Vegetative  |   | Monitor the crop against attack of Cutworm,  |
| Turmeric and ginger                               | Maturing/<br>harvesting  | Soft rot, Shoot borer                   | <ul> <li>To control soft rot drench soil with Dithane M-45 @ 3 g/litre at 15 days interval.</li> <li>Spray Rogor @ 0.05% if infestation is observed,</li> </ul>  |
| Mustard   | Sowing/<br>Vegetative    | Leaf eating catterpillar                | <ul> <li>Taking advantage of soil moisture, the farmers are advised not to delay sowing of mustard,</li> <li>Monitor the crop against attack of leaf eating caterpillars,</li> <li>Thinning may be done to maintain proper plant count,</li> </ul>   |
| Winter Maize                                      | Vegetative               | Cut worm                                | Monitor for attack of cut worm in the germinated fields,   |
| Pea   | Sowing/<br>Vegetative    |   | • 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,   |
|   |                          |   | FRUIT CROPS  |
| Khasi<br>Mandarin                                 | Fruit<br>development     | Trunk horer                             | • In present weather conditions regularly collect and dispose off fallen fruits,   |

Trunk borer, • In trunk borer attacked trees, cleaning of entry hole and

| Banana     | All stages | Ants Lichen/ Mosses Fruit fly  Pseudostem weevil | <ul> <li>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> <li>Removal of heavily infested plants and deep burial in the</li> </ul> |
|------------|------------|--|--|
|            |            | Weevii   | <ul><li>pits,</li><li>Cleaning around the crop,</li></ul>  |
|            |            | LIVESTOC   | CKS and VETERINARY ASPECT  |
| Livestock  | Stage      | Disease  | Precautionary Practices to be followed   |
| Poultry    | All stages |  | <ul> <li>Backyard poultry:Release the bird late in the morning</li> <li>Maintain warmth by lighting filament bulb in the shed,</li> <li>In egg laying birds feed, add calcium,</li> <li>Schedule vaccination should be followed,</li> </ul>  |
| Pigs       | All stages | Swine fever                                      | <ul> <li>Piglets: Provide warmth by lighting with filament bulb/cushioning material,</li> <li>Vaccinate against the swine fever,</li> <li>Care pregnant animals,</li> </ul>  |
| Cattle     | All stages |  | <ul> <li>Provide paddy straws for cushioning to the newly born claves,</li> <li>Lighting to maintain warmth in the shade,</li> <li>As green feeds supply will decrease, provide quality feeds,</li> </ul>  |
| Mithun     | All stages | FMD<br>Black quarter                             | Vaccination should be done post monsoon,   |
| Goat/Sheep | All stages | PPR  | <ul><li>Vaccinate against the PPR,</li><li>Provide mineral mixture,</li></ul>  |
| Fish       | All stages |  | <ul> <li>Maintain adequate water level in the pond,</li> <li>Pond sides should be properly cleaned,</li> </ul>   |

• Contact Scientists (ICAR) or State Agril Staff or KVK staff for any queries/measures against adverse conditions or call at 03795226247/37

• Harvest of mature fish,

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

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







Dated: 12th November, 2013

## (East Kameng)

No:-58/2013-14/Tue

# Weather during the period

Rainfall: -

• Seppa -NA

### **Weather Forecast**

- <u>Rainfall</u> Clear/dry weather forecasted for next 3-4 days. Fog/shallow fog forecasted during the morning hours.
- <u>Temperature</u> The temperature is likely to be in the range of 10-18 °C.
- Relative Humidity The RH is likely to be in the range of 28-88 %.

#### Weather Based Agro-meteorological Advisories Bulletin

| Crop  | Stage                    | Pest/Disease                            | Precautionary Practices to be followed   |
|---|--------------------------|---|--|
| Clop  | 21480                    |   | EGETABLE CROPS   |
| Cauliflower/<br>Cabbage/<br>Brocolli/<br>Knolkhol | Vegetative               | Leaf eating/<br>Cabbage<br>caterpillars | <ul> <li>Maintain strict monitoring against leaf eating caterpillars,</li> <li>Light weeding is advised,</li> <li>In present weather conditions severe attack of leaf eating caterpillars has been reported. Sprange Chlorpyriphos/Imidacloprid in recommended dose in the next one or two days when weather is clear. Dose Imidacloprid 17SL @ 1-2 ml per litre depending upon the population,</li> </ul>   |
| Radish  | Vegetative<br>Harvesting | Leaf eating caterpillars                | <ul> <li>Light interculture operations may be done,</li> <li>Spray Chlorpyriphos/Imidacloprid in recommended dose.</li> </ul>  |
| Carrot  | Vegetative               |   | Light interculture operations should be done,  |
| Spinach   | Sowing/<br>Vegetative    |   | <ul> <li>Harvest mature crops,</li> <li>Sowing of certified/locally available seeds in well prepare nursery may be done,</li> <li>Light interculture operations should be done,</li> </ul>   |
|   |                          |   | FIELD CROPS  |
| WRC rice –<br>Main crop<br>(Mipun)                | Maturing/<br>Harvesting  | Gundhi bug<br>Rat                       | <ul> <li>The crop which are in maturity stage and are about to be harvested in a week or so, drain out the water from the plot,</li> <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> |
| Potato  | Planting/<br>Vegetative  |   | Monitor the crop against attack of Cutworm,  |
| Turmeric and ginger                               | Maturing/<br>harvesting  | Soft rot, Shoot borer                   | <ul> <li>To control soft rot drench soil with Dithane M-45 @ g/litre at 15 days interval.</li> <li>Spray Rogor @ 0.05% if infestation is observed,</li> </ul>  |
| Mustard   | Sowing/<br>Vegetative    | Leaf eating catterpillar                | <ul> <li>Taking advantage of soil moisture, the farmers are advise not to delay sowing of mustard,</li> <li>Monitor the crop against attack of leaf eating caterpillars,</li> <li>Thinning may be done to maintain proper plant count,</li> </ul>  |
| Winter Maize                                      | Vegetative               | Cut worm                                | <ul> <li>Monitor for attack of cut worm in the germinated fields,</li> </ul>   |
| Pea   | Field preparation Sowing |   | • 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,   |

**FRUIT CROPS** 

| Khasi<br>Mandarin | Fruit<br>development | Trunk borer, Ants Lichen/ Mosses Fruit fly | <ul> <li>In present weather conditions regularly collect and dispose off fallen fruits,</li> <li>In trunk borer attacked trees, cleaning of entry hole and treatment with Dichlorvos dipped cotton swabs is advised.</li> <li>Use of light trap to attract adults is also advised.</li> <li>Farmers are advised to use Jaggary/Malathion traps or pheromone traps to monitor the pest population and collect and destroy the adult insects. Installation of pheromone traps may also be done,</li> </ul> |
|-------------------|----------------------|--|--|
| Banana            | All stages           | Pseudostem<br>weevil                       | <ul> <li>Removal of heavily infested plants and deep burial in the pits,</li> <li>Cleaning around the crop,</li> </ul>   |
|                   |                      |  | LIVESTOCKS   |
| Livestock         | Stage                | Disease                                    | Precautionary Practices to be followed   |
| Poultry           | All stages           |  | <ul> <li>Backyard poultry:Release the bird late in the morning</li> <li>Maintain warmth by lighting filament bulb in the shed,</li> <li>In egg laying birds feed, add calcium,</li> <li>Schedule vaccination should be followed,</li> </ul>  |
| Pigs              | All stages           | Swine fever                                | <ul> <li>Piglets: Provide warmth by lighting with filament bulb/cushioning material,</li> <li>Vaccinate against the swine fever,</li> <li>Care pregnant animals,</li> </ul>  |
| Cattle            | All stages           |  | <ul> <li>Provide paddy straws for cushioning to the newly born claves,</li> <li>Lighting to maintain warmth in the shade,</li> <li>As green feeds supply will decrease, provide quality feeds,</li> </ul>  |
| Mithun            | All stages           | FMD<br>Black quarter                       | <ul> <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><li>Vaccinate against rabies,</li><li>Deworming,</li></ul>   |
| Goat/Sheep        | All stages           | PPR  | <ul> <li>Vaccinate against the PPR,</li> <li>Provide mineral mixture,</li> </ul>   |

Contact Scientists (ICAR) or State Agril Staff or KVK staff for any queries/measures against adverse conditions or call at 03795226247/37

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



### (East Siang)

No:-58/2013-14/Tue

Dated: 12th November, 2013

### Weather during the period

Maximum temperature: NAMinimum Temperature: NA

• Rainfall:

Pasighat - NA

• Relative humidity (%): NA

### **Weather Forecast**

- Rainfall Clear/dry weather forecasted for next 3-4 days. Fog/shallow fog forecasted during the morning hours.
- <u>Temperature</u> Temperature will vary between 16-27 °C.
- Relative Humidity The RH is likely to be in the range of 23-81 %.

### Weather Based Agro-meteorological Advisories Bulletin

| Crop  | Stage                    | Pest/Disease                            | Precautionary Practices to be followed TEGETABLE CROPS   |
|---|--------------------------|---|--|
| Cauliflower/<br>Cabbage/<br>Brocolli/<br>Knolkhol | Vegetative               | Leaf eating/<br>Cabbage<br>caterpillars | <ul> <li>Maintain strict monitoring against leaf eating caterpillars,</li> <li>Light weeding is advised,</li> <li>In present weather conditions severe attack of leaf eating caterpillars has been reported. Spray Chlorpyriphos/Imidacloprid in recommended dose in the next one or two days when weather is clear. Dose-Imidacloprid 17SL @ 1-2 ml per litre depending upon the population,</li> </ul>   |
| Radish  | Vegetative<br>Harvesting | Leaf eating caterpillars                | <ul><li>Light interculture operations may be done,</li><li>Spray Chlorpyriphos/Imidacloprid in recommended dose.</li></ul>   |
| Carrot  | Vegetative               |   | Light interculture operations should be done,  |
| Spinach   | Sowing/<br>Vegetative    |   | <ul> <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> <li>FIELD CROPS</li> </ul>   |
| WRC rice –<br>Main crop<br>(Mipun)                | Maturing                 | Gundhi bug<br>Rat                       | <ul> <li>The crop which are in maturity stage and are about to be harvested in a week or so, drain out the water from the plot,</li> <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> |
| Potato  | Planting/<br>Vegetative  |   | Monitor the crop against attack of Cutworm,  |
| Turmeric and ginger                               | Maturing/<br>harvesting  | Soft rot, Shoot borer                   | <ul> <li>To control soft rot drench soil with Dithane M-45 @ 3 g/litre at 15 days interval.</li> <li>Spray Rogor @ 0.05% if infestation is observed,</li> </ul>  |
| Mustard   | Sowing/<br>Vegetative    | Leaf eating catterpillar                | <ul> <li>Taking advantage of soil moisture, the farmers are advised not to delay sowing of mustard,</li> <li>Monitor the crop against attack of leaf eating caterpillars,</li> <li>Thinning may be done to maintain proper plant count,</li> </ul>   |
| Winter Maize                                      | Vegetative               | Cut worm                                | Monitor for attack of cut worm in the germinated fields,   |
| Pea   | Sowing/<br>Vegetative    |   | <ul> <li>Manual collection of larvae during the evening hours may be<br/>done, (If damage level is not serious). Use of Carbaryl dust in<br/>severely damaged fields may be done,</li> <li>FRUIT CROPS</li> </ul>  |
| Khasi<br>Mandarin                                 | Fruit<br>development     |   | • In present weather conditions regularly collect and dispose off fallen fruits,   |

|            |            | Trunk borer, Ants Lichen/ Mosses Fruit fly | <ul> <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                                 | Removal of heavily infested plants and deep burial in the pits,   |
|            |            | weevil                                     | Cleaning around the crop,   |
|            |            | LIVESTO                                    | CKS and VETERINARY ASPECT   |
| Livestock  | Stage      | Disease                                    | Precautionary Practices to be followed  |
| Poultry    | All stages |  | <ul> <li>Backyard poultry:Release the bird late in the morning</li> <li>Maintain warmth by lighting filament bulb in the shed,</li> <li>In egg laying birds feed, add calcium,</li> <li>Schedule vaccination should be followed.</li> </ul>   |
| Pigs       | All stages | Swine fever                                | <ul> <li>Piglets: Provide warmth by lighting with filament bulb/cushioning material,</li> <li>Vaccinate against the swine fever,</li> <li>Care pregnant animals,</li> </ul>   |
| Cattle     | All stages |  | <ul> <li>Provide paddy straws for cushioning to the newly born claves,</li> <li>Lighting to maintain warmth in the shade,</li> <li>As green feeds supply will decrease, provide quality feeds,</li> </ul>   |
| Mithun     | All stages | FMD<br>Black quarter                       | <ul> <li>Vaccination should be done post monsoon,</li> <li>In young ones, BQ may be observed, vaccinate the animals,</li> </ul>   |
| Goat/Sheep | All stages | PPR  | <ul><li> Vaccinate against the PPR,</li><li> Provide mineral mixture,</li></ul>   |
| Fish       | All stages |  | <ul> <li>Maintain adequate water level in the pond,</li> <li>Pond sides should be properly cleaned,</li> <li>Harvest of mature fish,</li> </ul>   |

• Contact Scientists (ICAR) or State Agril Staff or KVK staff for any queries/measures against adverse conditions or call at 03795226247/37

Agro Meteorological Field Unit ICAR, BASAR

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



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



## (Lohit)

No:-58/2013-14/Tue Dated: 12<sup>th</sup> November, 2013

# Weather during the period

- Rainfall: -
  - Tezu NA
  - Namsai NA

### **Weather Forecast**

- <u>Rainfall</u>: Clear/dry weather forecasted for next 3-4 days.Fog/shallow fog forecasted during the morning hours.
- <u>Temperature</u> –The temperature is likely to be in the range of 10-22°C.
- Relative Humidity The RH is likely to be in the range of 18-73 %.

Ants

## Weather Based Agro-meteorological Advisories Bulletin

| Crop  | Stage                    | Pest/Disease                            |  | Precautionary Practices to be followed   |  |
|---|--------------------------|---|--|--|--|
| VEGETABLE CROPS                                   |                          |   |  |  |  |
| Cauliflower/<br>Cabbage/<br>Brocolli/<br>Knolkhol | Vegetative               | Leaf eating/<br>Cabbage<br>caterpillars | Mair<br>cater<br>Ligh<br>In pr<br>cater<br>Chlor<br>next<br>Imid |  |  |
| Radish  | Vegetative               | Leaf eating                             |  | interculture operations may be done,   |  |
|   | Harvesting               | caterpillars                            |  | Chlorpyriphos/Imidacloprid in recommended dose.  |  |
| Carrot  | Vegetative               |   |  | interculture operations should be done,  |  |
| Spinach   | Sowing/                  |   |  | est mature crops,  |  |
| -   | Vegetative               |   |  | ng of certified/locally available seeds in well prepared   |  |
|   |                          |   |  | ry may be done,  |  |
|   |                          |   | Ligh   | t interculture operations should be done,  |  |
|   |                          |   | FIELD  | CROPS  |  |
| WRC rice – Main crop (Mipun)                      | Maturing                 | Gundhi bug<br>Rat                       | harve plot, In probug high, When fuming Herein as the popular    | ested in a week or so, drain out the water from the ested in a week or so, drain out the water from the estent weather conditions large scale attack of Gundhi as been reported from rice field. If damage level is use Malathion dust 5%, rever rat menace is there, install rat trap, in severity is high use aluminium phosphide pellets for gating the rat burrows, in, farmers are advised not to kill snakes as far as possible, by are the main biological agent which check rodent lation, |  |
| Potato  | Planting/<br>Vegetative  |   |  | itor the crop against attack of Cutworm,   |  |
| Turmeric and ginger                               | Maturing/<br>harvesting  | Soft rot, Shoot borer                   | g/lit  | control soft rot drench soil with Dithane M-45 @ 3 re at 15 days interval.  y Rogor @ 0.05% if infestation is observed,  |  |
| Mustard   | Sowing/<br>Vegetative    | Leaf eating catterpillar                | Takiı  | ng advantage of soil moisture, the farmers are advised of delay sowing of mustard,   |  |
| Pea   | Field preparation Sowing | •                                       | Mon  | itor the crop against attack of leaf eating caterpillars, ning may be done to maintain proper plant count,   |  |
|   |                          | I                                       | FRUIT  | CROPS  |  |
| Khasi<br>Mandarin                                 | Fruit<br>development     | Trunk borer,                            | In pr  | esent weather conditions farmers are advised to clean asin along with dropped fruits.  Ink borer attacked trees, cleaning of entry hole and  |  |

treatment with Dichlorvos dipped cotton swabs is advised.

|           |            | Lichen/<br>Mosses<br>Fruit fly | <ul> <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> <li>LIVESTOCKS</li> </ul> |
|-----------|------------|--------------------------------|--|
| Livestock | Stage      | Disease                        | Precautionary Practices to be followed   |
| Poultry   | All stages |                                | <ul> <li>Backyard poultry:Release the bird late in the morning</li> <li>Maintain warmth by lighting filament bulb in the shed,</li> <li>In egg laying birds feed, add calcium,</li> <li>Schedule vaccination should be followed,</li> </ul>  |
| Pigs      | All stages | Swine fever                    | <ul> <li>Piglets: Provide warmth by lighting with filament bulb/cushioning material,</li> <li>Vaccinate against the swine fever,</li> <li>Care pregnant animals,</li> </ul>  |
| Cattle    | All stages |                                | <ul> <li>Provide paddy straws for cushioning to the newly born claves,</li> <li>Lighting to maintain warmth in the shade,</li> <li>As green feeds supply will decrease, provide quality feeds,</li> </ul>  |

 Contact Scientists (ICAR) or State Agril Staff or KVK staff for any queries/measures against adverse conditions or call at 03795226247/37

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filament

Piglets: Provide warmth by lighting with

bulb/cushioning material,

Vaccinate against the swine fever,

## (Lower Subansiri)

No:-58/2013-14/Tue Dated: 12<sup>th</sup> November, 2013

## Weather during the period

• Rainfall: -

Pigs

All stages

Swine fever

1. Ziro – NA

### **Weather Forecast**

- <u>Rainfall</u> Clear/dry weather forecasted for next 3-4 days. Fog/shallow fog forecasted during the morning hours.
- <u>Temperature</u> The temperature is likely to be in the range of 2-12°C.
- **Relative Humidity** The RH is likely to be in the range of 26-81 %.

### Weather Based Agro-meteorological Advisories Bulletin

|   |                       | · · · · · · · · · · · · · · · · · · ·      | o-meteorological Advisories Bulletin  |  |  |  |  |
|---|-----------------------|--|---|--|--|--|--|
| Crop  | Stage                 | Pest/Disease                               | Precautionary Practices to be followed  |  |  |  |  |
|   | VEGETABLE CROPS       |  |   |  |  |  |  |
| Cauliflower/<br>Cabbage/<br>Brocolli/<br>Knolkhol | Vegetative            | Leaf eating/<br>Cabbage<br>caterpillars    | <ul> <li>Maintain strict monitoring against leaf eating caterpillars,</li> <li>Light weeding is advised,</li> <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-Imidacloprid 17SL @ 1-2 ml per litre depending upon the population,</li> </ul>   |  |  |  |  |
| Radish  | Vegetative            | Leaf eating                                | Light interculture operations may be done,  |  |  |  |  |
|   | Harvesting            | caterpillars                               | Spray Chlorpyriphos/Imidacloprid in recommended dose.   |  |  |  |  |
| Spinach   | Sowing/<br>Vegetative |  | <ul> <li>Harvest mature crops,</li> <li>Sowing of certified/locally available seeds in well prepared nursery may be done,</li> <li>Light interculture operations should be done,</li> </ul>   |  |  |  |  |
|   |                       |  | FIELD CROPS   |  |  |  |  |
| WRC rice –<br>Main crop<br>( <i>Mipun</i> )       | Maturing              | Gundhi bug                                 | • The crop which are in maturity stage and are about to be harvested in a week or so, drain out the water from the  |  |  |  |  |
| (Mipun)   |                       | Rat  | <ul> <li>plot,</li> <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>                             |  |  |  |  |
|   |                       |  | FRUIT CROPS   |  |  |  |  |
| Khasi<br>Mandarin                                 | Fruit<br>development  | Trunk borer, Ants Lichen/ Mosses Fruit fly | <ul> <li>In present weather conditions farmers are advised to clean the basin along with dropped fruits.</li> <li>In trunk borer attacked trees, cleaning of entry hole and treatment with Dichlorvos dipped cotton swabs is advised.</li> <li>Use of light trap to attract adults is also advised.</li> <li>Farmers are advised to use Jaggary/Malathion traps or pheromone traps to monitor the pest population and collect and destroy the adult insects. Installation of pheromone traps may also be done,</li> </ul> |  |  |  |  |
|   |                       |  | LIVESTOCKS  |  |  |  |  |
| <b>Livestock</b> Poultry                          | Stage<br>All stages   | Disease                                    | <ul> <li>Precautionary Practices to be followed</li> <li>Backyard poultry:Release the bird late in the morning</li> <li>Maintain warmth by lighting filament bulb in the shed,</li> <li>In egg laying birds feed, add calcium,</li> <li>Schedule vaccination should be followed,</li> </ul>   |  |  |  |  |
| Diag  | A 11 ata gas          | Crarino forcon                             | - Distate Descrite  |  |  |  |  |

|        |            |               | • | Care pregnant animals,  |
|--------|------------|---------------|---|---|
| Cattle | All stages |               | • | Provide paddy straws for cushioning to the newly born claves, |
|        |            |               | • | Lighting to maintain warmth in the shade,                     |
|        |            |               | • | As green feeds supply will decrease, provide quality feeds,   |
| Mithun | All stages | FMD           | • | Vaccination should be done post monsoon,                      |
|        |            | Black quarter | • | In young ones, BQ may be observed, vaccinate the animals,     |

• Contact Scientists (ICAR) or State Agril Staff or KVK staff for any queries/measures against adverse conditions or call at 03795226247/37

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



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



## (Papum Pare)

No:-58/2013-14/Tue Dated: 12<sup>th</sup> November, 2013

### Weather during the period

Maximum temperature: NAMinimum Temperature: NARelative Humidity (%):NA

• Rainfall: -

Itanagar -NA
 Naharlagun -NA

### **Weather Forecast**

- <u>Rainfall</u> Clear/dry weather forecasted for next 3-4 days.Fog/shallow fog forecasted during the morning hours.
- <u>Temperature</u> The temperature is likely to be in the range of 14-27°C.
- Relative Humidity The RH is likely to be in the range of 29-88 %.

### Weather Based Agro-meteorological Advisories Bulletin

| Crop  | Stage                   | Pest/Disease                            | Precautionary Practices to be followed   |
|---|-------------------------|---|--|
|   |                         |   | EGETABLE CROPS   |
| Cauliflower/<br>Cabbage/<br>Brocolli/<br>Knolkhol | Vegetative              | Leaf eating/<br>Cabbage<br>caterpillars | <ul> <li>Maintain strict monitoring against leaf eating caterpillars,</li> <li>Light weeding is advised,</li> <li>In present weather conditions severe attack of leaf eating caterpillars has been reported. Spray Chlorpyriphos/Imidacloprid in recommended dose in the next one or two days when weather is clear. Dose-Imidacloprid 17SL @ 1-2 ml per litre depending upon the population,</li> </ul>   |
| Radish  | Vegetative              | Leaf eating                             | Light interculture operations may be done,   |
|   | Harvesting              | caterpillars                            | Spray Chlorpyriphos/Imidacloprid in recommended dose.  |
| Carrot  | Vegetative              |   | Light interculture operations should be done,  |
| Spinach   | Sowing/                 |   | Harvest mature crops,  |
|   | Vegetative              |   | Sowing of certified/locally available seeds in well prepared   |
|   |                         |   | <ul><li>nursery may be done,</li><li>Light interculture operations should be done,</li></ul>   |
|   |                         |   | FIELD CROPS  |
| WRC rice –<br>Main crop<br>(Mipun)                | Maturing                | Gundhi bug<br>Rat                       | <ul> <li>The crop which are in maturity stage and are about to be harvested in a week or so, drain out the water from the plot,</li> <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> |
| Potato  | Planting/<br>Vegetative |   | Monitor the crop against attack of Cutworm,  |
| Turmeric and                                      | Maturing/               | Soft rot,                               | • To control soft rot drench soil with Dithane M-45 @ 3  |
| ginger  | harvesting              | Shoot borer                             | <ul><li>g/litre at 15 days interval.</li><li>Spray Rogor @ 0.05% if infestation is observed,</li></ul>   |
| Mustard   | Sowing/                 | Leaf eating                             | Taking advantage of soil moisture, the farmers are advised   |
|   | Vegetative              | catterpillar                            | not to delay sowing of mustard,  |
|   |                         |   | Monitor the crop against attack of leaf eating caterpillars,   |
| Winter Maire                                      | Vogetative              | Cut was                                 | • Thinning may be done to maintain proper plant count,   |
| Winter Maize                                      | Vegetative              | Cut worm                                | <ul> <li>Monitor for attack of cut worm in the germinated fields,</li> <li>Manual collection of larvae during the evening hours may</li> </ul>   |
| Pea   | Field                   |   | Manual collection of larvae during the evening hours may   |

|                   | preparation                         |  | be done, (If damage level is not serious). Use of Carbaryl   |
|-------------------|-------------------------------------|--|--|
|                   | Sowing                              |  | dust in severely damaged fields may be done,  FRUIT CROPS  |
| Khasi<br>Mandarin | Fruit<br>development                | Trunk borer, Ants Lichen/ Mosses Fruit fly | <ul> <li>In present weather conditions regularly collect and dispose off fallen fruits,</li> <li>In trunk borer attacked trees, cleaning of entry hole and treatment with Dichlorvos dipped cotton swabs is advised.</li> <li>Use of light trap to attract adults is also advised.</li> <li>Farmers are advised to use Jaggary/Malathion traps or pheromone traps to monitor the pest population and collect and destroy the adult insects. Installation of pheromone traps may also be done,</li> </ul> |
| Banana            | All stages                          | Pseudostem<br>weevil                       | <ul> <li>Removal of heavily infested plants and deep burial in the pits,</li> <li>Cleaning around the crop,</li> </ul>   |
|                   |                                     |  | LIVESTOCKS   |
| Livestock         | Stage                               | Disease                                    | Precautionary Practices to be followed   |
| Poultry           | All stages                          |  | <ul> <li>Backyard poultry:Release the bird late in the morning</li> <li>Maintain warmth by lighting filament bulb in the shed,</li> <li>In egg laying birds feed, add calcium,</li> <li>Schedule vaccination should be followed,</li> </ul>  |
| Pigs              | All stages                          | Swine fever                                | <ul> <li>Piglets: Provide warmth by lighting with filament bulb/cushioning material,</li> <li>Vaccinate against the swine fever,</li> <li>Care pregnant animals,</li> </ul>  |
| Cattle            | All stages                          |  | <ul> <li>Provide paddy straws for cushioning to the newly born claves,</li> <li>Lighting to maintain warmth in the shade,</li> <li>As green feeds supply will decrease, provide quality feeds,</li> </ul>  |
| Mithun            | All stages                          | FMD<br>Black quarter                       | Vaccination should be done post monsoon,   |
| Dog               | All stages                          | Rabies,                                    | <ul><li>Vaccinate against rabies,</li><li>Deworming,</li></ul>   |
| Goat/Sheep        | All stages                          | PPR  | <ul><li>Vaccinate against the PPR,</li><li>Provide mineral mixture,</li></ul>  |
|                   | ientists (ICAR)<br>or call at 03795 | _  | Staff or KVK staff for any queries/measures against adverse  |

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



### (Tawang)

<u>No:-58/2013-14/Tue</u> <u>Dated: 12<sup>th</sup> November, 2013</u>

## Weather during the period

- Rainfall: -
  - 1. Tawang –NA

### **Weather Forecast**

- Rainfall- Clear/dry weather forecasted for next 3-4 days. Thick fog forecasted.
- <u>Temperature</u> The temperature is likely to be in the range of 2-13 °C.
- Relative Humidity The RH is likely to be in the range of 20-66 %.

### Weather Based Agro-meteorological Advisories Bulletin

| Crop         | Stage         | Pest/Disease   | Precautionary Practices to be followed  |
|--------------|---------------|----------------|---|
|              |               |                | FRUITS  |
| Apple        | Harvesting    | Fruit Fly      | <ul> <li>Monitor fruit fly damage,</li> </ul>   |
|              |               |                | • Collection/deep burying (Atleast 4 feet deep) of  |
|              |               |                | infected fruit,   |
|              |               |                | • If extreme damage is noticed, spraying of Malathion   |
|              |               |                | @ 3ml per litre of water is advised,  |
|              |               |                | • Installation of light traps to capture adults.  |
|              |               | Trunk Borer    | • Urgent/immediate treatment of affected parts of trees,  |
|              | _             |                | GETABLE CROPS   |
| Cauliflower  | Harvesting    | Cutworm        | <ul> <li>Monitor crop against attack of cutworm in the field,</li> </ul>  |
| /            |               |                | • In present weather conditions, monitor the crop   |
| Cabbage/     |               | Diamond        | against attack of DBM caterpillars,   |
| Radish       |               | back moth      | • If damage level is high, spraying of <i>Bt</i> formulation  |
|              |               |                | may be done,  |
| Radish       | Vegetative    |                | • Harvest,  |
|              | Maturity      |                |   |
| Mustard      | Sowing        |                | • Sowing of good quality seeds for leafy vegetable  |
| (leafy       | Vegetative    |                | purpose may be done,  |
| vegetables)  |               | _              | THEOROGIA   |
| T 1          | <u> </u>      |                | LIVESTOCKS  |
| Livestock    | Stage         | Disease        | Precautionary Practices to be followed  |
| Poultry      | All stages    |                | Backyard poultry:Release the bird late in the morning  Maintain warmth by lighting filement bulb in the shad            |
|              |               |                | <ul><li>Maintain warmth by lighting filament bulb in the shed,</li><li>In egg laying birds feed, add calcium,</li></ul> |
|              |               |                | <ul> <li>Schedule vaccination should be followed,</li> </ul>  |
| Cattle       | All stages    |                | <ul> <li>Provide paddy straws for cushioning to the newly born</li> </ul>   |
|              | J             |                | claves,   |
|              |               |                | • Lighting to maintain warmth in the shade,   |
|              |               |                | • As green feeds supply will decrease, provide quality feeds,   |
| Goat/Sheep   | All stages    | PPR            | • Vaccinate against the PPR,  |
|              |               |                | Provide mineral mixture,  |
| Pigs         | All stages    | Swine fever    | • Piglets: Provide warmth by lighting with filament   |
|              |               |                | bulb/cushioning material,   |
|              |               |                | Vaccinate against the swine fever,  Care program animals.   |
| Comtact Coll | mtists (ICAD) | \ a# C4-4- A   | • Care pregnant animals,  |
| Contact Scie | musis (ICAR)  | ) or State Agi | ril Staff or KVK staff for measures against adverse   |

conditions or call at 03795222247 (KVK, West Siang)

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West Siang, Basar – 791 101



## (Tirap)

No:-58/2013-14/Tue Dated: 12<sup>th</sup> November, 2013

## Weather during the period

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

### **Weather Forecast**

- <u>Rainfall</u> Clear/dry weather forecasted for next 3-4 days. Fog/shallow fog forecasted during the morning hours.
- <u>Temperature</u> The temperature is likely to be in the range of 16-27°C.
- Relative Humidity The RH is likely to be in the range of 25-93 %.

Ants

### Weather Based Agro-meteorological Advisories Bulletin

|   |                         |   | 5-meteorological Advisories bulletin   |
|---|-------------------------|---|--|
| Crop  | Stage                   | Pest/Disease                            | Precautionary Practices to be followed   |
|   |                         |   | EGETABLE CROPS   |
| Cauliflower/<br>Cabbage/<br>Brocolli/<br>Knolkhol | Vegetative              | Leaf eating/<br>Cabbage<br>caterpillars | <ul> <li>Maintain strict monitoring against leaf eating caterpillars,</li> <li>Light weeding is advised,</li> <li>In present weather conditions severe attack of leaf eating caterpillars has been reported. Spray Chlorpyriphos/Imidacloprid in recommended dose in the next one or two days when weather is clear. Dose-Imidacloprid 17SL @ 1-2 ml per litre depending upon the population,</li> </ul>   |
| Radish  | Vegetative              | Leaf eating                             | Light interculture operations may be done,   |
|   | Harvesting              | caterpillars                            | • Spray Chlorpyriphos/Imidacloprid in recommended dose.  |
| Carrot  | Vegetative              |   | • Light interculture operations should be done,  |
| Spinach   | Sowing/                 |   | <ul> <li>Harvest mature crops,</li> </ul>  |
|   | Vegetative              |   | • Sowing of certified/locally available seeds in well prepared   |
|   |                         |   | nursery may be done,   |
|   |                         |   | • Light interculture operations should be done,  |
|   |                         |   | FIELD CROPS  |
| WRC rice –<br>Main crop<br>(Mipun)                | Maturing                | Gundhi bug<br>Rat                       | <ul> <li>The crop which are in maturity stage and are about to be harvested in a week or so, drain out the water from the plot,</li> <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> |
| Potato  | Planting/<br>Vegetative |   | Monitor the crop against attack of Cutworm,  |
| Turmeric and                                      | Maturing/               | Soft rot,                               | • To control soft rot drench soil with Dithane M-45 @ 3  |
| ginger  | harvesting              | Shoot borer                             | <ul><li>g/litre at 15 days interval.</li><li>Spray Rogor @ 0.05% if infestation is observed,</li></ul>   |
| Mustard   | Sowing/                 | Leaf eating                             | • Taking advantage of soil moisture, the farmers are advised   |
|   | Vegetative              | catterpillar                            | not to delay sowing of mustard,  |
| Pea   | Field                   |   | • Monitor the crop against attack of leaf eating caterpillars,   |
|   | preparation             |   | • Thinning may be done to maintain proper plant count,   |
|   | Sowing                  |   | FRUIT CROPS  |
| Khasi   | Fruit                   |   | In present weather conditions farmers are advised to clean   |
| Mandarin  | development             |   | the basin along with dropped fruits.   |
|   | _                       | Trunk borer,                            | • In trunk borer attacked trees, cleaning of entry hole and  |

treatment with Dichlorvos dipped cotton swabs is advised.

|           |            | Lichen/<br>Mosses<br>Fruit fly | <ul> <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> <li>LIVESTOCKS</li> </ul> |
|-----------|------------|--------------------------------|--|
| Livestock | Stage      | Disease                        | Precautionary Practices to be followed   |
| Poultry   | All stages |                                | <ul> <li>Backyard poultry:Release the bird late in the morning</li> <li>Maintain warmth by lighting filament bulb in the shed,</li> <li>In egg laying birds feed, add calcium,</li> <li>Schedule vaccination should be followed,</li> </ul>  |
| Pigs      | All stages | Swine fever                    | <ul> <li>Piglets: Provide warmth by lighting with filament bulb/cushioning material,</li> <li>Vaccinate against the swine fever,</li> <li>Care pregnant animals,</li> </ul>  |
| Cattle    | All stages |                                | <ul> <li>Provide paddy straws for cushioning to the newly born claves,</li> <li>Lighting to maintain warmth in the shade,</li> <li>As green feeds supply will decrease, provide quality feeds,</li> </ul>  |

 Contact Scientists (ICAR) or State Agril Staff or KVK staff for any queries/measures against adverse conditions or call at 03795226247/37

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



## (Upper Siang)

No:-58/2013-14/Tue

Dated: 12th November, 2013

## Weather during the period

Rainfall: - $\tilde{N}$  Tuting – NA

### **Weather Forecast**

- Rainfall Clear/dry weather forecasted for next 3-4 days. Fog/shallow fog forecasted during the morning hours.
- <u>Temperature</u> The temperature is likely to be in the range of 7-20°C.
- **Relative Humidity** The RH is likely to be in the range of 19-69 %.

### Weather Based Agro-meteorological Advisories Bulletin

| Crop         | Stage       | Pest/Disease | Precautionary Practices to be followed   |
|--------------|-------------|--------------|--|
| Crop         | Jiage       |              | EGETABLE CROPS   |
| Cauliflower/ | Vegetative  | Leaf eating/ | Maintain strict monitoring against leaf eating                                   |
| Cabbage/     | , 080000110 | Cabbage      | caterpillars,  |
| Brocolli/    |             | caterpillars | <ul> <li>Light weeding is advised,</li> </ul>                                    |
| Knolkhol     |             |              | <ul> <li>In present weather conditions severe attack of leaf eating</li> </ul>   |
|              |             |              | caterpillars has been reported. Spray  |
|              |             |              | Chlorpyriphos/Imidacloprid in recommended dose in the                            |
|              |             |              | next one or two days when weather is clear. Dose-                                |
|              |             |              | Imidacloprid 17SL @ 1-2 ml per litre depending upon the                          |
|              |             |              | population,  |
| Radish       | Vegetative  | Leaf eating  | Light interculture operations may be done,                                       |
|              | Harvesting  | caterpillars | <ul> <li>Spray Chlorpyriphos/Imidacloprid in recommended dose.</li> </ul>        |
| Carrot       | Vegetative  |              | Light interculture operations should be done,                                    |
| Spinach      | Sowing/     |              | Harvest mature crops,  |
| Spinaen      | Vegetative  |              | <ul> <li>Sowing of certified/locally available seeds in well prepared</li> </ul> |
|              |             |              | nursery may be done,   |
|              |             |              | <ul> <li>Light interculture operations should be done,</li> </ul>                |
|              |             |              | FIELD CROPS  |
| WRC rice –   | Maturing    | Gundhi bug   | • The crop which are in maturity stage and are about to be                       |
| Main crop    | B           |              | harvested in a week or so, drain out the water from the                          |
| (Mipun)      |             |              | plot,  |
| , - ,        |             | Rat          | • 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%,   |
|              |             |              | • Wherever rat menace is there, install rat trap,                                |
|              |             |              | • When severity is high use aluminium phosphide pellets for                      |
|              |             |              | fumigating the rat burrows,  |
|              |             |              | • Herein, farmers are advised not to kill snakes as far as                       |
|              |             |              | possible, as they are the main biological agent which check                      |
|              |             |              | rodent population,   |
| Potato       | Planting/   |              | <ul> <li>Monitor the crop against attack of Cutworm,</li> </ul>                  |
|              | Vegetative  |              |  |
| Turmeric and | Maturing/   | Soft rot,    | • To control soft rot drench soil with Dithane M-45 @ 3                          |
| ginger       | harvesting  | C1 4 1       | g/litre at 15 days interval.   |
| 3.5          | · · ·       | Shoot borer  | • Spray Rogor @ 0.05% if infestation is observed,                                |
| Mustard      | Sowing/     | Leaf eating  | • Taking advantage of soil moisture, the farmers are advised                     |
|              | Vegetative  | catterpillar | not to delay sowing of mustard,  |
|              |             |              | Monitor the crop against attack of leaf eating caterpillars,                     |
| 117' / 3.5 ' | X7          | 0.1          | • Thinning may be done to maintain proper plant count,                           |
| Winter Maize | Vegetative  | Cut worm     | Monitor for attack of cut worm in the germinated fields,                         |
| Pea          | Field       |              | Manual collection of larvae during the evening hours may                         |
|              | preparation |              | be done, (If damage level is not serious). Use of Carbaryl                       |
|              | Sowing      |              | dust in severely damaged fields may be done,                                     |
| T21 '        | T           |              | FRUIT CROPS  |
| Khasi        | Fruit       |              | • In present weather conditions regularly collect and                            |
| Mandarin     | development |              | dispose off fallen fruits,   |

|            |              | Trunk borer, Ants Lichen/ Mosses Fruit fly | • | In trunk borer attacked trees, cleaning of entry hole and treatment with Dichlorvos dipped cotton swabs is advised. Use of light trap to attract adults is also advised. 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, |
|------------|--------------|--|---|--|
| Banana     | All stages   | Pseudostem<br>weevil                       | • | Removal of heavily infested plants and deep burial in the pits, Cleaning around the crop,  |
|            |              |  | Ι | LIVESTOCKS   |
| Livestock  | Stage        | Disease                                    |   | Precautionary Practices to be followed   |
| Poultry    | All stages   |  | • | Backyard poultry: Release the bird late in the morning   |
|            |              |  | • | Maintain warmth by lighting filament bulb in the shed,   |
|            |              |  | • | In egg laying birds feed, add calcium,   |
|            |              |  | • | Schedule vaccination should be followed,   |
| Pigs       | All stages   | Swine fever                                | • | Piglets: Provide warmth by lighting with filament bulb/cushioning material, Vaccinate against the swine fever, Care pregnant animals,  |
| Cattle     | All stages   |  | • | Provide paddy straws for cushioning to the newly born  |
| Cattle     | 7 III stages |  |   | claves,  |
|            |              |  | • | Lighting to maintain warmth in the shade,  |
|            |              |  | • | As green feeds supply will decrease, provide quality feeds,  |
| Mithun     | All stages   | FMD  | • | Vaccination should be done post monsoon,   |
|            |              | Black quarter                              | • | In young ones, BQ may be observed, vaccinate the animals,  |
| Dog        | All stages   | Rabies,                                    | • | Vaccinate against rabies,  |
|            |              |  | • | Deworming,   |
| Goat/Sheep | All stages   | PPR  | • | Vaccinate against the PPR,   |
|            |              |  | • | Provide mineral mixture,   |

• Contact Scientists (ICAR) or State Agril Staff or KVK staff for any queries/measures against adverse conditions or call at 03795226247/37

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



## (Upper Subansiri)

No:-58/2013-14/Tue

### Dated: 12th November, 2013

## Weather during the period

- Rainfall: -
  - Daporijo- NA

### **Weather Forecast**

- Rainfall Clear/dry weather forecasted for next 3-4 days. Fog/shallow fog forecasted during the morning hours.
- <u>Temperature</u> 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 25-72 %.

### Weather Based Agro-meteorological Advisories Bulletin

| Cron                     | Stage                 | Pest/Disease |   | Dragautionary Dragtices to be followed  |
|--------------------------|-----------------------|--------------|---|---|
| Crop                     | Stage                 |              |   | Precautionary Practices to be followed ETABLE CROPS   |
| Cauliflower/             | Vegetative            | Leaf eating/ |   |   |
| Caulillower/<br>Cabbage/ | vegetative            | Cabbage      | • | Maintain strict monitoring against leaf eating  |
| Brocolli/                |                       | caterpillars |   | caterpillars,   |
| Knolkhol                 |                       | caterpinars  | • | Light weeding is advised,   |
| KHOIKHOI                 |                       |              | • | In present weather conditions severe attack of leaf eating  |
|                          |                       |              |   | caterpillars has been reported. Spray   |
|                          |                       |              |   | Chlorpyriphos/Imidacloprid in recommended dose in the next one or two days when weather is clear. Dose- |
|                          |                       |              |   | Imidacloprid 17SL @ 1-2 ml per litre depending upon the   |
|                          |                       |              |   | population,   |
| Radish                   | Vegetative            | Leaf eating  | • | Light interculture operations may be done,  |
| Radisii                  | Harvesting            | caterpillars |   | <u> </u>  |
| Carrot                   | Vegetative            | caterpinars  | • | Spray Chlorpyriphos/Imidacloprid in recommended dose.   |
|                          |                       |              | • | Light interculture operations should be done,   |
| Spinach                  | Sowing/<br>Vegetative |              | • | Harvest mature crops,   |
|                          | vegetative            |              | • | Sowing of certified/locally available seeds in well prepared  |
|                          |                       |              |   | nursery may be done,  |
|                          |                       |              | • | Light interculture operations should be done,   |
| NAD Contract             | Matania               | C 41. ! 1    |   | FIELD CROPS   |
| WRC rice –               | Maturing              | Gundhi bug   | • | The crop which are in maturity stage and are about to be  |
| Main crop                |                       |              |   | harvested in a week or so, drain out the water from the   |
| (Mipun)                  |                       | Rat          |   | plot,   |
|                          |                       | Kat          | • | 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%,  |
|                          |                       |              | • | Wherever rat menace is there, install rat trap,   |
|                          |                       |              | • | When severity is high use aluminium phosphide pellets for   |
|                          |                       |              | • | fumigating the rat burrows, Herein, farmers are advised not to kill snakes as far as                    |
|                          |                       |              |   | possible, as they are the main biological agent which check   |
|                          |                       |              |   | rodent population,  |
| Potato                   | Planting/             |              | • | Monitor the crop against attack of Cutworm,   |
| 1 Otato                  | Vegetative            |              |   | Womtor the crop against attack of Cutworm,  |
| Turmeric and             | Maturing/             | Soft rot,    | • | To control soft rot drench soil with Dithane M-45 @ 3   |
| ginger                   | harvesting            | 3011101,     |   | g/litre at 15 days interval.  |
| 88                       | 8                     | Shoot borer  | • | Spray Rogor @ 0.05% if infestation is observed,   |
| Mustard                  | Sowing/               | Leaf eating  | • | Taking advantage of soil moisture, the farmers are advised  |
| 111001010                | Vegetative            | catterpillar |   | not to delay sowing of mustard,   |
|                          | , 050,001,0           | Cattorpinar  | • | Monitor the crop against attack of leaf eating caterpillars,  |
|                          |                       |              | • | Thinning may be done to maintain proper plant count,  |
| Winter Maize             | Vegetative            | Cut worm     | • | Monitor for attack of cut worm in the germinated fields,  |
|                          |                       | Cut WOIIII   |   | Manual collection of larvae during the evening hours may  |
| Pea                      | Field                 |              |   | be done, (If damage level is not serious). Use of Carbaryl  |
|                          | preparation<br>Sowing |              |   | dust in severely damaged fields may be done,  |
|                          | SOWING                |              | 1 | FRUIT CROPS   |
| Khasi                    | Fruit                 |              |   |   |
| Mandarin                 | development           |              | • | In present weather conditions regularly collect and   |
| iviaiiualiii             | acveropment           |              |   | dispose off fallen fruits,  |

|            |            | Trunk borer, Ants Lichen/ Mosses Fruit fly | <ul> <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<br>weevil                       | <ul> <li>Removal of heavily infested plants and deep burial in the pits,</li> <li>Cleaning around the crop,</li> </ul>  |
|            |            |  | LIVESTOCKS  |
| Livestock  | Stage      | Disease                                    | Precautionary Practices to be followed  |
| Poultry    | All stages |  | <ul> <li>Backyard poultry:Release the bird late in the morning</li> <li>Maintain warmth by lighting filament bulb in the shed,</li> <li>In egg laying birds feed, add calcium,</li> </ul>   |
| Pigs       | All stages | Swine fever                                | <ul> <li>Schedule vaccination should be followed,</li> <li>Piglets: Provide warmth by lighting with filament bulb/cushioning material,</li> <li>Vaccinate against the swine fever,</li> <li>Care pregnant animals,</li> </ul>   |
| Cattle     | All stages |  | <ul> <li>Provide paddy straws for cushioning to the newly born claves,</li> <li>Lighting to maintain warmth in the shade,</li> <li>As green feeds supply will decrease, provide quality feeds,</li> </ul>   |
| Mithun     | All stages | FMD<br>Black quarter                       | <ul> <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><li>Vaccinate against rabies,</li><li>Deworming,</li></ul>  |
| Goat/Sheep | All stages | PPR  | <ul> <li>Vaccinate against the PPR,</li> <li>Provide mineral mixture,</li> </ul>  |

Contact Scientists (ICAR) or State Agril Staff or KVK staff for any queries/measures against adverse conditions or call at 03795226247/37

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Crop

# **Integrated Agro-Meteorological Advisory Services**

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



## (West Kameng)

No:-58/2013-14/Tue Dated: 12<sup>th</sup> November, 2013

## Weather during the period

<u>Rainfall</u>: - Bomdila –NA
 Bhalokpung – NA

#### **Weather Forecast**

- Rainfall- Clear/dry/cold weather forecasted next 3-4 days. Fog/shallow fog forecasted in some places.
- <u>Temperature</u> 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 26-84 %.

Pest/Disease

Weather Based Agro-meteorological Advisories Bulletin

Precautionary Practices to be followed

|                                  |                        |                            | FRUITS  |
|----------------------------------|------------------------|----------------------------|---|
| Apple                            | Harvesting             | Fruit Fly  Trunk Borer     | <ul> <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> GETABLE CROPS |
| O 1'0                            | TT (*                  |                            | T   |
| Cauliflower / Cabbage/ Radish    | Harvesting             | Cutworm  Diamond back moth | <ul> <li>Monitor crop against attack of cutworm in the field,</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 |                            | • Harvest,  |
| Mustard<br>(leafy<br>vegetables) | Sowing<br>Vegetative   |                            | • Sowing of good quality seeds for leafy vegetable purpose may be done,   |
|                                  |                        |                            | LIVESTOCKS  |
| Livestock                        | Stage                  | Disease                    | Precautionary Practices to be followed  |
| Poultry                          | All stages             |                            | <ul> <li>Backyard poultry:Release the bird late in the morning</li> <li>Maintain warmth by lighting filament bulb in the shed,</li> <li>In egg laying birds feed, add calcium,</li> <li>Schedule vaccination should be followed,</li> </ul>   |
| Cattle                           | All stages             |                            | <ul> <li>Provide paddy straws for cushioning to the newly born claves,</li> <li>Lighting to maintain warmth in the shade,</li> <li>As green feeds supply will decrease, provide quality feeds,</li> </ul>   |
| Goat/Sheep                       | All stages             | PPR                        | <ul><li> Vaccinate against the PPR,</li><li> Provide mineral mixture,</li></ul>   |
| Pigs                             | All stages             | Swine fever                | <ul> <li>Piglets: Provide warmth by lighting with filament bulb/cushioning material,</li> <li>Vaccinate against the swine fever,</li> <li>Care pregnant animals,</li> </ul>   |

conditions or call at 03795222247 (KVK, West Siang)

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



### (West Siang)

No:-58/2013-14/Tue Dated: 12<sup>th</sup> November, 2013

### Weather during the period

During the period weather was clear and dry. Fog was recorded during the morning hours.

Maximum temperature: 24.8°C Minimum Temperature: 7.5°C

Rainfall: 0.0 mm

Evapotranspiration: - -

Relative Humidity (%):-38-93%

Soil moisture ( $m^2/m^2$ ):0.28

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

Average Wind Speed: 0.3 metres per second

Average Sunshine hours: 7.9 hours

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

### **Weather Forecast**

- Rainfall: Clear/dry weather forecasted for next 3-4 days. Fog/shallow fog forecasted during the morning
- <u>Temperature</u> Temperature will vary between 13-25 °C.
- **Relative Humidity** The RH is likely to be in the range of 20-80 %.

#### Weather Based Agro-meteorological Advisories Bulletin

| Crop  | Stage                    | Pest/Disease                            | Precautionary Practices to be followed   |
|---|--------------------------|---|--|
|   |                          | V                                       | EGETABLE CROPS   |
| Cauliflower/<br>Cabbage/<br>Brocolli/<br>Knolkhol | Vegetative               | Leaf eating/<br>Cabbage<br>caterpillars | <ul> <li>Maintain strict monitoring against leaf eating caterpillars,</li> <li>Light weeding is advised,</li> <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-Imidacloprid 17SL @ 1-2 ml per litre depending upon the population,</li> </ul>  |
| Radish  | Vegetative<br>Harvesting | Leaf eating caterpillars                | <ul><li>Light interculture operations may be done,</li><li>Spray Chlorpyriphos/Imidacloprid in recommended dose.</li></ul>   |
| Carrot  | Vegetative               |   | Light interculture operations should be done,  |
| Spinach   | Sowing/<br>Vegetative    |   | <ul> <li>Harvest mature crops,</li> <li>Sowing of certified/locally available seeds in well prepared nursery may be done,</li> <li>Light interculture operations should be done,</li> </ul>  |
|   |                          |   | FIELD CROPS  |
| WRC rice –<br>Main crop<br>( <i>Mipun</i> )       | Maturing                 | Gundhi bug<br>Rat                       | <ul> <li>The crop which are in maturity stage and are about to be harvested in a week or so, drain out the water from the plot,</li> <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> |
| Potato  | Planting/<br>Vegetative  |   | Monitor the crop against attack of Cutworm,  |
| Turmeric and ginger                               | Maturing/<br>harvesting  | Soft rot, Shoot borer                   | <ul> <li>To control soft rot drench soil with Dithane M-45 @ 3 g/litre at 15 days interval.</li> <li>Spray Rogor @ 0.05% if infestation is observed,</li> </ul>  |
| Mustard   | Sowing/<br>Vegetative    | Leaf eating catterpillar                | • Taking advantage of soil moisture, the farmers are advised not to delay sowing of mustard,   |

| Winter Maize                | Vegetative                    | Cut worm  | <ul> <li>Monitor the crop against attack of leaf eating caterpillars,</li> <li>Thinning may be done to maintain proper plant count,</li> <li>Monitor for attack of cut worm in the germinated fields,</li> <li>Manual collection of larvae during the evening hours may be</li> </ul>  |
|-----------------------------|-------------------------------|---|--|
| Pea                         | Sowing/<br>Vegetative         |   | done, (If damage level is not serious). Use of Carbaryl dust in severely damaged fields may be done,  FRUIT CROPS  |
| Khasi<br>Mandarin<br>Banana | Fruit development  All stages | Trunk borer, Ants Lichen/ Mosses Fruit fly  Pseudostem weevil | <ul> <li>In present weather conditions regularly collect and dispose off fallen fruits,</li> <li>In trunk borer attacked trees, cleaning of entry hole and treatment with Dichlorvos dipped cotton swabs is advised.</li> <li>Use of light trap to attract adults is also advised.</li> <li>Farmers are advised to use Jaggary/Malathion traps or pheromone traps to monitor the pest population and collect and destroy the adult insects. Installation of pheromone traps may also be done,</li> <li>Removal of heavily infested plants and deep burial in the pits,</li> <li>Cleaning around the crop,</li> </ul> |
|                             |                               |   | CKS and VETERINARY ASPECT  |
| Livestock                   | Stage                         | Disease   | Precautionary Practices to be followed   |
| Poultry                     | All stages                    |   | <ul> <li>Backyard poultry:Release the bird late in the morning</li> <li>Maintain warmth by lighting filament bulb in the shed,</li> <li>In egg laying birds feed, add calcium,</li> <li>Schedule vaccination should be followed,</li> </ul>  |
| Pigs                        | All stages                    | Swine fever   | <ul> <li>Piglets: Provide warmth by lighting with filament bulb/cushioning material,</li> <li>Vaccinate against the swine fever,</li> <li>Care pregnant animals,</li> </ul>  |
| Cattle                      | All stages                    |   | <ul> <li>Provide paddy straws for cushioning to the newly born claves,</li> <li>Lighting to maintain warmth in the shade,</li> <li>As green feeds supply will decrease, provide quality feeds,</li> </ul>  |
| Rabbits                     | All stages                    | Snuffles  | <ul><li>Keep strict vigil</li><li>Consult experts,</li></ul>   |
| Mithun                      | All stages                    | FMD<br>Black quarter  | <ul> <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><li> Vaccinate against rabies,</li><li> Deworming,</li></ul>   |
| Goat/Sheep                  | All stages                    | PPR   | <ul> <li>Vaccinate against the PPR,</li> <li>Provide mineral mixture,</li> </ul>   |
| Fish                        | All stages                    |   | <ul> <li>Maintain adequate water level in the pond,</li> <li>Pond sides should be properly cleaned,</li> <li>Harvest of mature fish,</li> </ul>  |

conditions or call at 03795226247/37

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



## (Changlang)

No:-58/2013-14/Tue Dated: 12<sup>th</sup> November, 2013

## Weather during the period

- Rainfall: -
  - Changlang –NA
  - Miao NA

### **Weather Forecast**

- Rainfall Clear/dry weather fcst-next 3-4 days. Thin fog fcst during morning hours.
- <u>Temperature</u> The temperature is likely to be in the range of 10-22 °C.
- Relative Humidity The RH is likely to be in the range of 19-75 %.

Lichen/

# Weather Based Agro-meteorological Advisories Bulletin

| Crop  | Stage                          | Pest/Disease                            | Precautionary Practices to be followed   |
|---|--------------------------------|---|--|
| •   |                                | VI                                      | EGETABLE CROPS   |
| Cauliflower/<br>Cabbage/<br>Brocolli/<br>Knolkhol | Vegetative                     | Leaf eating/<br>Cabbage<br>caterpillars | <ul> <li>Maintain strict monitoring against leaf eating caterpillars,</li> <li>Light weeding is advised,</li> <li>In present weather conditions severe attack of leaf eating caterpillars has been reported. Spray Chlorpyriphos/Imidacloprid in recommended dose in the next one or two days when weather is clear. Dose-Imidacloprid 17SL @ 1-2 ml per litre depending upon the population,</li> </ul>   |
| Radish  | Vegetative<br>Harvesting       | Leaf eating caterpillars                | <ul><li>Light interculture operations may be done,</li><li>Spray Chlorpyriphos/Imidacloprid in recommended dose.</li></ul>   |
| Carrot  | Vegetative                     |   | Light interculture operations should be done,  |
| Spinach   | Sowing/<br>Vegetative          |   | <ul> <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>  |
| TADO :  | 3.5                            | 0 11:1                                  | FIELD CROPS  |
| WRC rice –<br>Main crop<br>(Mipun)                | Maturing                       | Gundhi bug<br>Rat                       | <ul> <li>The crop which are in maturity stage and are about to be harvested in a week or so, drain out the water from the plot,</li> <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> |
| Potato  | Planting/<br>Vegetative        |   | Monitor the crop against attack of Cutworm,  |
| Turmeric and ginger                               | Maturing/<br>harvesting        | Soft rot, Shoot borer                   | <ul> <li>To control soft rot drench soil with Dithane M-45 @ 3 g/litre at 15 days interval.</li> <li>Spray Rogor @ 0.05% if infestation is observed,</li> </ul>  |
| Mustard   | Sowing/<br>Vegetative          | Leaf eating catterpillar                | • Taking advantage of soil moisture, the farmers are advised not to delay sowing of mustard,   |
| Pea   | Field<br>preparation<br>Sowing | _                                       | <ul> <li>Monitor the crop against attack of leaf eating caterpillars,</li> <li>Thinning may be done to maintain proper plant count,</li> </ul>   |
|   | 1                              |   | FRUIT CROPS  |
| Khasi<br>Mandarin                                 | Fruit<br>development           | Trunk borer, Ants                       | <ul> <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> </ul>   |

Use of light trap to attract adults is also advised.

|           |            | Mosses<br>Fruit fly | • 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,                                 |
|-----------|------------|---------------------|---|
|           |            |                     | LIVESTOCKS  |
| Livestock | Stage      | Disease             | Precautionary Practices to be followed  |
| Poultry   | All stages |                     | <ul> <li>Backyard poultry:Release the bird late in the morning</li> <li>Maintain warmth by lighting filament bulb in the shed,</li> <li>In egg laying birds feed, add calcium,</li> <li>Schedule vaccination should be followed,</li> </ul> |
| Pigs      | All stages | Swine fever         | <ul> <li>Piglets: Provide warmth by lighting with filament bulb/cushioning material,</li> <li>Vaccinate against the swine fever,</li> <li>Care pregnant animals,</li> </ul>   |
| Cattle    | All stages |                     | <ul> <li>Provide paddy straws for cushioning to the newly born claves,</li> <li>Lighting to maintain warmth in the shade,</li> <li>As green feeds supply will decrease, provide quality feeds,</li> </ul>                                   |

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