



### District Level Agro-met Advisory Bulletin Arunachal Pradesh

(Period: 2<sup>nd</sup> to 6<sup>th</sup> January 2019)

No: AMFU-Basar/2019/1

Dated: Tuesday, 1st January, 2019



Gramin Krishi Mausam Sewa ICAR Research Complex for NEH Region, Arunachal Pradesh Centre, Basar-791101

#### **ADVISORY FOR DISTRICT: ANJAW**

{Hawai: Latitude: 28.2179994/ Longitude: 94.7277528/Altitude: 1296 m amsl}

| Weather summery of the previous week | Weather forecast valid up to 6 <sup>th</sup> January 2019                    |
|--------------------------------------|--|
| No weather summary available         | Generally clear/dry weather forecasted. Daily maximum and minimum            |
|                                      | temperature for the following period is predicted to be 20.0-21.0°C and 8.0- |
|                                      | 10.0°C respectively. Expected morning and evening relative humidity will     |
|                                      | be 48-52% and 24-32% respectively. Wind direction is mainly SSE with         |
|                                      | average wind speed range of 7.7-9.0 kmph.                                    |
| Warning:                             | *  |

#### **GENERAL RECOMMENDATIONS**

| * Proper drainage to all crop to avoid runoff  | <ul> <li>Monitor for possible attack of insects/pests</li> <li>Application of fertilizers/manure can be done during clear/dry days</li> </ul> |  |               |   |                  |  |  |
|--|---|--|---------------|---|------------------|--|--|
| Crop Stage Pest/Disease Precautionary Practices to be followed  FIELD CROPS  Mustard Flowering/ Pod formation Pea Vegetative Cut worm White rust/ Downy mildew At 15 days interval  Pea Vegetative/ Maturity Protect the crop against attack of rats using locally availatraps,  Wegetative Cabbage/ Cauliflower/ Knolkhol/ Harvesting Potato Vegetative Late blight Potato Vegetative Rate bight Potato Vegetative Agentative Age | Proper drainage to all crop to avoid runoff   |  |               |   |                  |  |  |
| Proceedings   Proceedings   Proceedings   Procedings   Proceedings   Procedings   Proceedings   Proceedings   Proceedings   Proceedings   P    |   |  | <u> </u>      | vaccination sche                        | ❖ Check of       |  |  |
| Pea  |   |  |               | Stage                                   | Crop             |  |  |
| Mustard   Flowering   Pod formation   Downy mildew   At 15 days interval   |   | Treatment True trees to be Idalo wear  | 1 est Disease | Stage                                   |                  |  |  |
| Pea Vegetative Cut worm  Maize Vegetative/ Maturity  Rats Wegetative Provide irrigation to the crop, When damage level is high application of Lannate 40 SP @ per 10 litre of water may be done,  Wegetative Protect the crop against attack of rats using locally availatraps,  Vegetative Protect the crop against attack of rats using locally availatraps,  Vegetative Protect the crop against attack of rats using locally availatraps,  Vegetative Protect the crop against attack of rats using locally availatraps,  Vegetative Protect the crop against attack of rats using locally availatraps,  Vegetative Protect the crop against attack of rats using locally availatraps,  Vegetative Protect the crop against attack of rats using locally availatraps,  Vegetative Protect the crop against attack of rats using locally availatraps,  Polation Protect the crop against attack of rats using locally availatraps,  Protect the crop against attack of rats using locally availatraps,  Protect the crop against attack of rats using locally availatraps,  Protect the crop against attack of rats using locally availatraps,  Protect the crop against attack of rats using locally availatraps,  Protect the crop against attack of rats using locally availatraps,  Protect the crop against attack of rats using locally availatraps,  Protect the crop against attack of rats using locally availatraps,  Protect the crop against attack of rats using locally availatraps,  Protect the crop against attack of rats using locally availatraps,  Protect the crop against attack of rats using locally availatraps,  Protect the crop against attack of rats using locally availatraps,  Protect the crop against attack of rats using locally availatraps.  Protect the crop against attack of rats using locally availatics,  Protect the crop against attack of rats using locally availatics,  Protect the crop against attack of rats using locally availatics,  Protect the crop against attack of rats using locally availatics,  Protect the crop against attack of rats using locally avail | .5g/lit   | Need-based foliar spray of Metalaxyl+Dithane M-45 @ 2.5  | White rust/   | Flowering/                              |                  |  |  |
| Maize       Vegetative/ Maturity       Rats       ♦ Use of mulch to conserve moisture level, Protect the crop against attack of rats using locally availa traps,         VEGETABLES         Cabbage/ Cauliflower/ Knolkhol/       Vegetative / Harvesting insects       ♦ Spray Azadirachtin 0.15% EC 2@ 6ml/lit against leaf eat insects         Potato       Vegetative       Late blight         Potato       Vegetative       ♦ Need based irrigation of the crop is advised, Neegular monitoring is advised. Look for characteristic symptoms. Prominent first symptoms include small, dark circular to irregular shaped lesion in the leaves       ♦ Regular monitoring is advised, spraying of Mancozeb@ 2 gra litres of water as preventive spray is advised         HORTICULTURAL CROPS         Peach/kiwi/apple / pears       Vegetative (harvesting over)       ♦ Training & pruning of diseased/criss-cross branches to he more solar energy & for proper growth.         Amaintain proper framework of the plant & remove the unnecessary branches & diseased plant parts.       ♦ Collect dropped fruits & dispose by putting in airtight burry deep in ground         Citrus       Maturity/ Harvesting       ♦ Collect dropped fruits & dispose by putting in airtight burry deep in ground  | 0   |  |               |   |                  |  |  |
| Maize  Wegetative/ Maturity  Vegetative / Maturity  Wegetative / Maturity  Wegetative / Cauliflower/ Knolkhol/  Potato  Potato  Vegetative  Late blight  Late blight  Horricultural crops  Peach/kiwi/apple / pears  Citrus  Maturity/  Maturity/  Maturity  Potato  Wegetative / Leaf eating insects  Spray Azadirachtin 0.15% EC 2@ 6ml/lit against leaf eat insects  Maintain adequate moisture level in the crop by light irrig or mulching,  Regular monitoring of crop against attack of insect pests,  Need based irrigation of the crop is advised,  Regular monitoring is advised. Look for characteristic symptoms. Prominent first symptoms include small, dark circular to irregular shaped lesion in the leaves  Training & pruning of diseased/criss-cross branches to he more solar energy & for proper growth.  Maintain proper framework of the plant & remove th unnecessary branches & diseased plant parts.  Citrus  Maturity/ Harvesting  Peruning or dry twigs & branches of after harvesting.   |   | Provide irrigation to the crop,  | Cut worm 🔸    | Vegetative                              | Pea              |  |  |
| VEGETABLES         Cabbage/<br>Cauliflower/<br>Knolkhol/       Vegetative / Harvesting insects       Leaf eating insects       Spray Azadirachtin 0.15% EC 2@ 6ml/lit against leaf eat insects         Potato       Vegetative       Maintain adequate moisture level in the crop by light irrigor mulching,       Regular monitoring of crop against attack of insect pests,         Potato       Vegetative       Need based irrigation of the crop is advised,         Regular monitoring is advised. Look for characteristic symptoms. Prominent first symptoms include small, dark circular to irregular shaped lesion in the leaves       If symptoms are advised, spraying of Mancozeb@ 2 gra litres of water as preventive spray is advised         HORTICULTURAL CROPS       Training & pruning of diseased/criss-cross branches to be more solar energy & for proper growth.         Peach/kiwi/apple / pears       Vegetative (harvesting over)       Maintain proper framework of the plant & remove the unnecessary branches & diseased plant parts.         Citrus       Maturity/ Harvesting       Collect dropped fruits & dispose by putting in airtight burry deep in ground         Pruning or dry twigs & branches of after harvesting.  | 5 gram  | When damage level is high application of Lannate 40 SP @ 5 per 10 litre of water may be done,                  | *             |   |                  |  |  |
| Training & pruning of diseased/criss-cross branches to harden for post of the plant & remove the unnecessary branches & diseased plant parts.    Training word water as preventive spray is advised.   |   | Use of mulch to conserve moisture level,   | Rats *        | Vegetative/                             | Maize            |  |  |
| Cabbage/ Cauliflower/ Knolkhol/  Potato  Vegetative Late blight  Late blight  HORTICULTURAL CROPS  Peach/kiwi/apple / pears  Pears  Maturity/ Harvesting  Maturity/ Harvesting  Cabbage/ Cauliflower/ Knolkhol/  Late feating insects  Maintain adequate moisture level in the crop by light irrigor mulching,  Regular monitoring of crop against attack of insect pests,  Need based irrigation of the crop is advised,  Regular monitoring is advised. Look for characteristic symptoms. Prominent first symptoms include small, dark circular to irregular shaped lesion in the leaves  Training & pruning of diseased/criss-cross branches to he more solar energy & for proper growth.  Maintain proper framework of the plant & remove the unnecessary branches & diseased plant parts.  Citrus  Maturity/ Harvesting  Maturity/ Harvesting  Pruning or dry twigs & branches of after harvesting.   | ole   | Protect the crop against attack of rats using locally available  | *             | Maturity                                |                  |  |  |
| Cabbage/ Cauliflower/ Knolkhol/ Harvesting Harvesting Harvesting Harvesting  * Spray Azadirachtin 0.15% EC 2@ 6ml/lit against leaf ear insects  * Maintain adequate moisture level in the crop by light irrigor mulching, Regular monitoring of crop against attack of insect pests,  * Need based irrigation of the crop is advised, Regular monitoring is advised. Look for characteristic symptoms. Prominent first symptoms include small, dark circular to irregular shaped lesion in the leaves  * If symptoms are advised, spraying of Mancozeb@ 2 gralitres of water as preventive spray is advised  HORTICULTURAL CROPS  Peach/kiwi/apple / pears  Peach/kiwi/apple / Citrus  Maturity/ Harvesting  Maturity/ Harvesting  * Collect dropped fruits & dispose by putting in airtight burry deep in ground Pruning or dry twigs & branches of after harvesting.   |   | traps,   |               |   |                  |  |  |
| Cauliflower/ Knolkhol/  Harvesting insects insects  Maintain adequate moisture level in the crop by light irrigor mulching, Regular monitoring of crop against attack of insect pests, Regular monitoring of crop against attack of insect pests, Need based irrigation of the crop is advised, Regular monitoring is advised. Look for characteristic symptoms. Prominent first symptoms include small, dark circular to irregular shaped lesion in the leaves If symptoms are advised, spraying of Mancozeb@ 2 gra litres of water as preventive spray is advised  HORTICULTURAL CROPS  Peach/kiwi/apple / pears (harvesting over)  Peach/kiwi/apple / harvesting over)  Maturity/ Harvesting  Maturity/ Harvesting  Maturity/ Harvesting  Pruning or dry twigs & branches of after harvesting.  |   |  |               |   |                  |  |  |
| Maintain adequate moisture level in the crop by light irrigor mulching,   Regular monitoring of crop against attack of insect pests,   Potato  | ing   |  | _             | _                                       |                  |  |  |
| or mulching, Regular monitoring of crop against attack of insect pests, Need based irrigation of the crop is advised, Regular monitoring is advised. Look for characteristic symptoms. Prominent first symptoms include small, dark circular to irregular shaped lesion in the leaves If symptoms are advised, spraying of Mancozeb@ 2 gra litres of water as preventive spray is advised  HORTICULTURAL CROPS  Peach/kiwi/apple   Vegetative  |   |  |               | Harvesting                              |                  |  |  |
| Potato  Potato  Vegetative  Late blight  Late blight  Late blight  Late blight  Are gular monitoring of crop against attack of insect pests,  Need based irrigation of the crop is advised,  Regular monitoring is advised. Look for characteristic symptoms. Prominent first symptoms include small, dark circular to irregular shaped lesion in the leaves  If symptoms are advised, spraying of Mancozeb@ 2 gralitres of water as preventive spray is advised  HORTICULTURAL CROPS  Peach/kiwi/apple / pears  Peach/kiwi/apple / harvesting over)  Maintain proper framework of the plant & remove the unnecessary branches & diseased plant parts.  Citrus  Maturity/ Harvesting  Maturity/ Harvesting  Pruning or dry twigs & branches of after harvesting.   | gation  |  | **            |   | Knoiknoi/        |  |  |
| Potato  Vegetative  Late blight  Late blight  Regular monitoring is advised. Look for characteristic symptoms. Prominent first symptoms include small, dark circular to irregular shaped lesion in the leaves  If symptoms are advised, spraying of Mancozeb@ 2 gra litres of water as preventive spray is advised  HORTICULTURAL CROPS  Peach/kiwi/apple / pears  Peach/kiwi/apple / harvesting over)  Maturity/ Harvesting  Maturity/ Harvesting  Need based irrigation of the crop is advised,  Regular monitoring is advised. Look for characteristic symptoms. Prominent first symptoms include small, dark circular to irregular shaped lesion in the leaves  If symptoms are advised, spraying of Mancozeb@ 2 gra litres of water as preventive spray is advised  Training & pruning of diseased/criss-cross branches to hat more solar energy & for proper growth.  Maintain proper framework of the plant & remove the unnecessary branches & diseased plant parts.  Citrus  Maturity/ Harvesting  Collect dropped fruits & dispose by putting in airtight burry deep in ground  Pruning or dry twigs & branches of after harvesting.   |   | <b>C</b> .   | *             |   |                  |  |  |
| Late blight  Regular monitoring is advised. Look for characteristic symptoms. Prominent first symptoms include small, dark circular to irregular shaped lesion in the leaves  If symptoms are advised, spraying of Mancozeb@ 2 gralitres of water as preventive spray is advised  HORTICULTURAL CROPS  Peach/kiwi/apple / pears  Vegetative (harvesting over)  Amintain proper framework of the plant & remove the unnecessary branches & diseased plant parts.  Citrus  Maturity/ Harvesting  Maturity/ Harvesting  Pruning or dry twigs & branches of after harvesting.  |   | <u> </u>   |               | Vegetative                              | Potato           |  |  |
| ## If symptoms are advised, spraying of Mancozeb@ 2 gralitres of water as preventive spray is advised  ### HORTICULTURAL CROPS  Peach/kiwi/apple   | ,   | Regular monitoring is advised. Look for characteristic symptoms. Prominent first symptoms include small, dark, |               | · • · · · · · · · · · · · · · · · · · · | 2 3 1110         |  |  |
| HORTICULTURAL CROPS  Peach/kiwi/apple / pears  | m per 4   | If symptoms are advised, spraying of Mancozeb@ 2 gram  | *             |   |                  |  |  |
| / pears (harvesting over) more solar energy & for proper growth.  * Maintain proper framework of the plant & remove the unnecessary branches & diseased plant parts.  Citrus Maturity/ Harvesting Collect dropped fruits & dispose by putting in airtight burry deep in ground  Pruning or dry twigs & branches of after harvesting.   |   |  |               |   |                  |  |  |
| ★ Maintain proper framework of the plant & remove the unnecessary branches & diseased plant parts.         Citrus       Maturity/<br>Harvesting       Collect dropped fruits & dispose by putting in airtight burry deep in ground         ★ Pruning or dry twigs & branches of after harvesting.  | rvest   | Training & pruning of diseased/criss-cross branches to harv  | *             |   | Peach/kiwi/apple |  |  |
| unnecessary branches & diseased plant parts.         Citrus       Maturity/<br>Harvesting       Collect dropped fruits & dispose by putting in airtight burry deep in ground         ★ Pruning or dry twigs & branches of after harvesting.  |   |  |               | (harvesting over)                       | / pears          |  |  |
| Harvesting burry deep in ground  Pruning or dry twigs & branches of after harvesting.  | e   |  | *             |   |                  |  |  |
| <ul> <li>❖ Pruning or dry twigs &amp; branches of after harvesting.</li> </ul>   | bags or   | Collect dropped fruits & dispose by putting in airtight ba   | *             | •                                       | Citrus           |  |  |
|  |   | • • •  |               | Harvesting                              |                  |  |  |
|  |   | <ul><li>Pruning or dry twigs &amp; branches of after harvesting.</li></ul>                                     | *             |   |                  |  |  |
| LIVESTOCKS   |   |  |               |   | LIVESTOCKS       |  |  |
| Livestock Stage Disease Precautionary Practices to be followed   |   | Precautionary Practices to be followed   | Disease       | Stage                                   | Livestock        |  |  |
| Poultry All stages   |   | Provide vitamin C and glucose in feed and water,   | *             | All stages                              | Poultry          |  |  |
| ❖ Provide dry bedding material,  |   | Provide dry bedding material,  | *             |   |                  |  |  |
| Pigs New born Cold • Pig shed/stay should keep dry and avoid dampness,   |   |  | Cold          | New born                                | Pigs             |  |  |
| ❖ Vaccinate against swine fever,   |   |  |               |   |                  |  |  |
| • Avoid of eating human excreta,   |   |  |               |   |                  |  |  |
| <ul> <li>♣ Avoid stagnant water near the shed,</li> <li>Contact Scientists (ICAR) or State Agril Staff or KVK staff for measures against adverse conditions or call at 03795-226237/22624</li> </ul>   | 7   |  |               | ontists (ICAD) on Stat                  | Contact Sci      |  |  |



# **District Level Agro-met Advisory Bulletin**





No: AMFU-Basar/2019/1 Dated: Tuesday, 1st January, 2019



Gramin Krishi Mausam Sewa ICAR Research Complex for NEH Region, Arunachal Pradesh Centre, Basar-791101

#### ADVISORY FOR DISTRICT: CHANGLANG

{Changlang (HQ): Latitude: 27.1305856/Longitude: 95.7342373/Altitude: 580 masl}

| Weather summery of the previous week       | Weather forecast valid up to 6 <sup>th</sup> January 2019                     |
|--|---|
| Rainfall = Changlang: 0.0 mm Miao: 18.2 mm | Generally clear/dry weather forecasted. Daily maximum and minimum             |
|  | temperature for the following period is predicted to be 24.0-27.0°C and 10.0- |
|  | 12.0°C respectively. Expected morning and evening relative humidity will      |
|  | be 49-52% and 20-24% respectively. Wind direction is mainly SE & SSE          |
|  | with average wind speed range of 4.5-4.8 kmph.                                |
| Warning:                                   | •   |

|                             |                      |                  | with averag | ge wind speed range of 4.5-4.8 kmpn.  |  |  |
|-----------------------------|----------------------|------------------|-------------|---|--|--|
| Warning:                    |                      |                  | •           |   |  |  |
| GENERAL RECOMMENDATIONS     |                      |                  |             |   |  |  |
| <ul> <li>Monitor</li> </ul> |                      |                  |             |   |  |  |
| Applicat                    | tion of fertilizers/ | manure can be    | done durir  | ng clear/dry days   |  |  |
| • Proper o                  | drainage to all cro  | op to avoid runc | off         |   |  |  |
| Check of                    | f vaccination sch    | edule in poultry | /livestock  |   |  |  |
|                             |                      |                  |             | PRIES FOR THE PERIOD  |  |  |
| Crop                        | Stage                | Pest/Disease     |             | Precautionary Practices to be followed  |  |  |
| FIELD CROPS                 |                      |                  |             |   |  |  |
| Mustard                     | Flowering            | Aphid            | *           | Spraying of Dimethoate @ 2 ml per litre of water  |  |  |
|                             |                      | Painted bug      | *           | Collect and dispose off the heavily infested twigs,   |  |  |
|                             |                      |                  | *           | For painted bug dusting with wood ash is advised,   |  |  |
| Rice                        | Harvesting           |                  | *           | Harvesting of mature crop   |  |  |
|                             |                      |                  | *           | Proper sundry before storage  |  |  |
| VEGETABLE                   |                      |                  |             |   |  |  |
| Cabbage/                    | Vegetative /         |                  |             | Provide irrigation to the late sown crop,   |  |  |
| Cauliflower/                | Harvesting           |                  | *           | Monitor crop against attack of leaf feeding caterpillars. Manual  |  |  |
| Knolkhol/<br>Others         |                      | Leaf eating      |             | collection of caterpillars is advised. When population density is                                       |  |  |
| Col crops                   |                      | caterpillars     |             | high, application of Lannate 40 SP @ 5 gram per 10 litres of water may be done                          |  |  |
|                             | URAL CROPS           |                  |             | water may be done   |  |  |
| Banana                      | Bunching             | Cold             | *           | Cover newly emerged bunches with locally available sack to  |  |  |
| Bununu                      | Buneming             | Cold             | Ť           | protect from cold/frost   |  |  |
|                             |                      |                  | *           | Timely/regular removal of extra suckers, dry leaves &   |  |  |
|                             |                      |                  |             | pseudostem.   |  |  |
| Citrus/ Oranges             | Maturity/            | Trunk borer/     | / *         | Remove all water sprouts at base of plants.   |  |  |
|                             | Harvesting           | Blue & green     | n 💠         | Only if harvesting is over, go for drenching with Dichlorovos 76  |  |  |
|                             |                      | mould            |             | EC@0.05% against trunk-borer.   |  |  |
|                             |                      |                  | *           | Against Blue & Green mould, spray Imazalil 34 WP @ 1g/lit.  |  |  |
| LIVECTOCIC                  |                      |                  |             | Prune away the diseased portion of the plant.   |  |  |
| LIVESTOCKS                  | G.                   | D:               |             |   |  |  |
| Livestock                   | Stage                | Disease          |             | Precautionary Practices to be followed  |  |  |
| Poultry                     | All stages           |                  |             | Vaccination of birds as per the recommended age,  |  |  |
|                             |                      |                  | *           | Avoid dampness, litter should be periodically changed.  |  |  |
|                             |                      |                  | *           | Provide clean and fresh water daily.  Artificial heating through lighting of electric bulb during night |  |  |
|                             |                      |                  | *           | time to protect the poultry birds (day old to 25 days old) from   |  |  |
|                             |                      |                  |             | low temperature.  |  |  |
| Cattle                      | All Growth           |                  | *           | Provide dry bedding material,   |  |  |
|                             |                      |                  | *           | Avoid tick bath in early morning and late afternoon,  |  |  |
|                             |                      |                  | *           | Provide less ventilation to avoid heat loss   |  |  |
| Sheep/Goat                  | All stages           |                  | *           | Vaccination & deworming at regular interval.  |  |  |
|                             |                      |                  | *           | Vaccinate with PPR as per proper consultation,  |  |  |
| Fish                        | -                    |                  | *           | Partial harvesting,   |  |  |
|                             |                      |                  | *           | Make arrangement to maintain adequate water level in the pond,  |  |  |
|                             |                      |                  |             | if required.  |  |  |





### District Level Agro-met Advisory Bulletin Arunachal Pradesh

(Period: 2<sup>nd</sup> to 6<sup>th</sup> January 2019)

No: AMFU-Basar/2019/1 Dated: Tuesday, 1st January, 2019



#### Gramin Krishi Mausam Sewa

ICAR Research Complex for NEH Region, Arunachal Pradesh Centre, Basar-791101

#### ADVISORY FOR DISTRICT: UPPER DIBANG VALLEY

{Anini: Latitude: 28.2179994/Longitude: 94.7277528/Altitude: 1968 masl}

| Weather summery of the previous week | Weather forecast valid up to 6 <sup>th</sup> January 2019                  |
|--------------------------------------|--|
| Rainfall = 0.0 mm                    | Sunny to partly cloudy with possibility of light rain. Daily maximum and   |
|                                      | minimum temperature for the following period is predicted to be 24.0-      |
|                                      | 26.0°C and 10.0-12.0°C respectively. Expected morning and evening relative |
|                                      | humidity will be 46-69% and 24-36% respectively. Wind direction is mainly  |
|                                      | ESE with average wind speed range of 8.4-10.1 kmph.                        |
| Warning:                             | •  |

#### **GENERAL RECOMMENDATIONS**

|   | <ul> <li>Monitor for possible attack of insects/pests</li> <li>Application of fertilizers/manure can be done during clear/dry days</li> </ul> |                             |   |  |  |  |
|---|---|-----------------------------|---|--|--|--|
| Proper drainage to all crop to avoid runoff |   |                             |   |  |  |  |
| _   | Check of vaccination schedule in poultry/livestock  |                             |   |  |  |  |
|   |   |                             | ADVISORIES FOR THE PERIOD   |  |  |  |
| Crop  | Stage   | Pest/Disease                | Precautionary Practices to be followed  |  |  |  |
| FIELD CROPS                                 |   |                             |   |  |  |  |
| Mustard                                     | Flowering/<br>Pod formation   | White rust/<br>Downy mildew | ❖ Need-based foliar spray of Metalaxyl+Dithane M-45 @ 2.5g/lit at 15 days interval  |  |  |  |
| Pea   | Vegetative  | Cut worm                    | <ul> <li>Provide irrigation to the crop,</li> <li>When damage level is high application of Lannate 40 SP @ 5 gram per 10 litre of water may be done,</li> </ul>   |  |  |  |
| Maize                                       | Vegetative/<br>Maturity   | Rats                        | <ul> <li>Use of mulch to conserve moisture level,</li> <li>Protect the crop against attack of rats using locally available traps,</li> </ul>  |  |  |  |
| VEGETABLES                                  |   |                             |   |  |  |  |
| Cabbage/<br>Cauliflower/<br>Knolkhol/       | Vegetative /<br>Harvesting  | Leaf eating insects         | <ul> <li>Spray Azadirachtin 0.15% EC 2@ 6ml/lit against leaf eating insects</li> <li>Maintain adequate moisture level in the crop by light irrigation or mulching,</li> <li>Regular monitoring of crop against attack of insect pests,</li> </ul>   |  |  |  |
| Potato                                      | Vegetative  | Late blight                 | <ul> <li>Need based irrigation of the crop is advised,</li> <li>Regular monitoring is advised. Look for characteristic symptoms. Prominent first symptoms include small, dark, circular to irregular shaped lesion in the leaves</li> <li>If symptoms are advised, spraying of Mancozeb@ 2 gram per 4 litres of water as preventive spray is advised</li> </ul> |  |  |  |
| HORTICULTURAL CROPS                         |   |                             |   |  |  |  |
| Peach/kiwi/apple<br>/ pears                 | Vegetative (harvesting over)  |                             | <ul> <li>Training &amp; pruning of diseased/criss-cross branches to harvest more solar energy &amp; for proper growth.</li> <li>Maintain proper framework of the plant &amp; remove the unnecessary branches &amp; diseased plant parts.</li> </ul>   |  |  |  |
| Citrus                                      | Maturity/<br>Harvesting   |                             | <ul> <li>Collect dropped fruits &amp; dispose by putting in airtight bags or burry deep in ground</li> <li>Pruning or dry twigs &amp; branches of after harvesting.</li> </ul>  |  |  |  |
| LIVESTOCKS                                  |   |                             |   |  |  |  |
| Livestock                                   | Stage   | Disease                     | Precautionary Practices to be followed  |  |  |  |
| Poultry                                     | All stages  |                             | <ul> <li>Provide vitamin C and glucose in feed and water,</li> <li>Provide dry bedding material,</li> </ul>   |  |  |  |
| Pigs  | New born  | Cold                        | <ul> <li>Pig shed/stay should keep dry and avoid dampness,</li> <li>Vaccinate against swine fever,</li> <li>Avoid of eating human excreta,</li> <li>Avoid stagnant water near the shed,</li> </ul> staff for measures against adverse conditions or call at 03795-226237/226247   |  |  |  |



## District Level Agro-met Advisory Bulletin



(Period: 2<sup>nd</sup> to 6<sup>th</sup> January 2019)

No: AMFU-Basar/2019/1 Dated: Tuesday, 1st January, 2019



Gramin Krishi Mausam Sewa ICAR Research Complex for NEH Region, Arunachal Pradesh Centre, Basar-791101

### **ADVISORY FOR DISTRICT: EAST KAMENG**

| Weather summery of the previous week | Weather forecast valid up to 6 <sup>th</sup> January 2019                  |
|--------------------------------------|--|
| Rainfall = 0.0 mm                    | Generally clear/dry weather forecasted with possibility of very light      |
|                                      | rain. Daily maximum and minimum temperature for the following period is    |
|                                      | predicted to be 24.0-26.0°C and 10.0-12.0°C respectively. Expected morning |
|                                      | and evening relative humidity will be 55-62% and 25-30% respectively.      |
|                                      | Wind direction is mainly S with average wind speed range of 7.0-7.4 kmph.  |
| Warning:                             | •  |

| warmig:   |   |                                       | <u> </u>   |
|---|---|---------------------------------------|--|
| <ul><li>Monitor</li><li>Applicate</li><li>Proper of</li></ul> | tion of fertilizers/<br>Irainage to all cro | ck of insects/pests                   | one during clear/dry days  |
|   |   |                                       | ADVISORIES FOR THE PERIOD  |
| Crop  | Stage                                       | Pest/Disease                          | Precautionary Practices to be followed   |
| FIELD CROPS   |   |                                       |  |
| Mustard   | Flowering                                   | Aphid<br>Painted bug                  | <ul> <li>Spraying of Dimethoate @ 2 ml per litre of water</li> <li>Collect and dispose off the heavily infested twigs,</li> <li>For painted bug dusting with wood ash is advised,</li> </ul>   |
| Rice  | Harvesting                                  |                                       | <ul><li>Harvesting of mature crop</li><li>Proper sundry before storage</li></ul>   |
| VEGETABLE   |   |                                       |  |
| Cabbage/<br>Cauliflower/<br>Knolkhol/<br>Others<br>Col crops  | Vegetative /<br>Harvesting                  | Leaf eating caterpillars              | <ul> <li>Provide irrigation to the late sown crop,</li> <li>Monitor crop against attack of leaf feeding caterpillars. Manual collection of caterpillars is advised. When population density is high, application of Lannate 40 SP @ 5 gram per 10 litres of water may be done</li> </ul>   |
| HORTICULT   | URAL CROPS                                  |                                       |  |
| Banana  | Bunching                                    | Cold                                  | <ul> <li>Cover newly emerged bunches with locally available sack to protect from cold/frost</li> <li>Timely/regular removal of extra suckers, dry leaves &amp; pseudostem.</li> </ul>  |
| Citrus/ Oranges   | Maturity/<br>Harvesting                     | Trunk borer/<br>Blue & green<br>mould | <ul> <li>Remove all water sprouts at base of plants.</li> <li>Only if harvesting is over, go for drenching with Dichlorovos 76<br/><u>EC@0.05%</u> against trunk-borer.</li> <li>Against Blue &amp; Green mould, spray Imazalil 34 WP @ 1g/lit.<br/>Prune away the diseased portion of the plant.</li> </ul>                                   |
| LIVESTOCKS  |   |                                       |  |
| Livestock   | Stage                                       | Disease                               | Precautionary Practices to be followed   |
| Poultry   | All stages                                  |                                       | <ul> <li>Vaccination of birds as per the recommended age,</li> <li>Avoid dampness, litter should be periodically changed.</li> <li>Provide clean and fresh water daily.</li> <li>Artificial heating through lighting of electric bulb during night time to protect the poultry birds (day old to 25 days old) from low temperature.</li> </ul> |
| Cattle  | All Growth                                  |                                       | <ul> <li>Provide dry bedding material,</li> <li>Avoid tick bath in early morning and late afternoon,</li> <li>Provide less ventilation to avoid heat loss</li> </ul>   |
| Sheep/Goat  | All stages                                  |                                       | <ul> <li>Vaccination &amp; deworming at regular interval.</li> <li>Vaccinate with PPR as per proper consultation,</li> </ul>   |
| Fish  | -   |                                       | <ul> <li>Partial harvesting,</li> <li>Make arrangement to maintain adequate water level in the pond, if required.</li> </ul>   |



# District Level Agro-met Advisory Bulletin

### **Arunachal Pradesh**

(Period: 2<sup>nd</sup> to 6<sup>th</sup> January 2019)

No: AMFU-Basar/2019/1 Dated: Tuesday, 1st January, 2019



Gramin Krishi Mausam Sewa ICAR Research Complex for NEH Region, Arunachal Pradesh Centre, Basar-791101

#### **ADVISORY FOR DISTRICT: EAST SIANG**

{Pasighat: Latitude: 28.0700/Longitude: 95.3300/Altitude: 153 masl}

| Weather summery of the previous week      | Weather forecast valid up to 6 <sup>th</sup> January 2019                     |
|---|---|
| Rainfall: 0.0 mm; T. Max: 24.0°C; T. Min: | Generally clear/dry weather forecasted. Daily maximum and minimum             |
| 11.0°C; RH: 57-78%                        | temperature for the following period is predicted to be 25.0-26.0°C and 10.0- |
|   | 13.0°C respectively. Expected morning and evening relative humidity will      |
|   | be 49-55% and 21-27% respectively. Wind direction is mainly WNW with          |
|   | average wind speed range of 5.7-6.7 kmph.                                     |
| Warning:                                  | •   |

| CENER   | AL RECOMME              | NDATIONS                                   |           |   |  |  |
|---|-------------------------|--|-----------|---|--|--|
|   | GENERAL RECOMMENDATIONS |  |           |   |  |  |
| <ul> <li>Monitor for possible attack of insects/pests</li> <li>Application of fertilizers/manure can be done during clear/dry days</li> </ul> |                         |  |           |   |  |  |
|   |                         | manure can be do<br>op to avoid runoff     |           | ilg clear/dry days  |  |  |
|   |                         | op to avoid runoii<br>edule in poultry/liv |           |   |  |  |
| • Check o   | 1 vaccination sen       |  |           | ORIES FOR THE PERIOD  |  |  |
| Crop  | Stage                   | Pest/Disease                               | 12 / 15 ( | Precautionary Practices to be followed                                      |  |  |
| FIELD CROPS   | Stage                   | 1 CSUDISCASC                               |           | 1 recautionary 1 ractices to be followed                                    |  |  |
| Mustard   | Flowering               | Aphid                                      | • * •     | Spraying of Dimethoate @ 2 ml per litre of water                            |  |  |
| Widstard  | Tioweinig               | Painted bug                                |           | Collect and dispose off the heavily infested twigs,                         |  |  |
|   |                         | Tumed sug                                  |           | For painted bug dusting with wood ash is advised,                           |  |  |
| Rice  | Harvesting              |  | *         | Harvesting of mature crop   |  |  |
| Trice   | Trai vesting            |  | *         | Proper sundry before storage  |  |  |
| VEGETABLE   | S                       |  |           | Troper sunary before storage  |  |  |
| Cabbage/  | Vegetative /            |  | *         | Provide irrigation to the late sown crop,                                   |  |  |
| Cauliflower/  | Harvesting              |  | *         | Monitor crop against attack of leaf feeding caterpillars. Manual            |  |  |
| Knolkhol/   |                         | Leaf eating                                |           | collection of caterpillars is advised. When population density is           |  |  |
| Others  |                         | caterpillars                               |           | high, application of Lannate 40 SP @ 5 gram per 10 litres of                |  |  |
| Col crops   |                         | 1  |           | water may be done   |  |  |
| HORTICULT   | URAL CROPS              |  |           |   |  |  |
| Banana  | Bunching                | Cold                                       | *         | Cover newly emerged bunches with locally available sack to                  |  |  |
|   |                         |  |           | protect from cold/frost   |  |  |
|   |                         |  | *         | Timely/regular removal of extra suckers, dry leaves &                       |  |  |
|   |                         |  |           | pseudostem.   |  |  |
| Citrus/ Oranges   | Maturity/               | Trunk borer/                               |           | Remove all water sprouts at base of plants.                                 |  |  |
|   | Harvesting              | Blue & green                               | *         | Only if harvesting is over, go for drenching with Dichlorovos 76            |  |  |
|   |                         | mould                                      |           | EC@0.05% against trunk-borer.   |  |  |
|   |                         |  | **        | Against Blue & Green mould, spray Imazalil 34 WP @ 1g/lit.                  |  |  |
| LIVECTOCIC  |                         |  |           | Prune away the diseased portion of the plant.                               |  |  |
| LIVESTOCKS  | T G:                    |  |           |   |  |  |
| Livestock   | Stage                   | Disease                                    |           | Precautionary Practices to be followed                                      |  |  |
| Poultry   | All stages              |  | *         | Vaccination of birds as per the recommended age,                            |  |  |
|   |                         |  | *         | Avoid dampness, litter should be periodically changed.                      |  |  |
|   |                         |  | *         | Provide clean and fresh water daily.  |  |  |
|   |                         |  | **        | Artificial heating through lighting of electric bulb during night           |  |  |
|   |                         |  |           | time to protect the poultry birds (day old to 25 days old) from             |  |  |
| Cattle  | All Growth              |  | **        | low temperature.  Provide dry bedding material,                             |  |  |
| Callle  | All Glowin              |  | *         | Avoid tick bath in early morning and late afternoon,                        |  |  |
|   |                         |  | *         | Provide less ventilation to avoid heat loss                                 |  |  |
| Character/C   | A 11 -4 -               |  | •         |   |  |  |
| Sheep/Goat  | All stages              |  | *         | Vaccination & deworming at regular interval.                                |  |  |
| Di ala  |                         |  |           | Vaccinate with PPR as per proper consultation,                              |  |  |
| Fish  | -                       |  |           |   |  |  |
|   |                         |  | *         | Make arrangement to maintain adequate water level in the pond, if required. |  |  |
| Contact Sci   | entists (ICAR) or Sto   | te Agril Staff or KVK                      | staff for | measures against adverse conditions or call at 03795-226237/226247          |  |  |
| Contact Sci   | Children (ICHIC) Of Bla | or rigin built of KVI                      | Stall 101 | measures against auterse conditions of can at 03/73-22023/122024/           |  |  |





### **District Level Agro-met Advisory Bulletin Arunachal Pradesh**

(Period: 2<sup>nd</sup> to 6<sup>th</sup> January 2019)

No: AMFU-Basar/2019/1

Dated: Tuesday, 1st January, 2019



#### Gramin Krishi Mausam Sewa

ICAR Research Complex for NEH Region, Arunachal Pradesh Centre, Basar-791101

#### **ADVISORY FOR DISTRICT: KURUNG KUMEY**

{Koloriang: Latitude: 27.9167°/Longitude: 93.3500°/Altitude: 1040 masl}

| Weather summery of the previous week | Weather forecast valid up to 6 <sup>th</sup> January 2019                    |
|--------------------------------------|--|
| Rainfall (Koloriang): 4.7 mm         | Mostly sunny with possibility of light rain. Daily maximum and minimum       |
|                                      | temperature for the following period is predicted to be 22.0-24.0°C and 5.0- |
|                                      | 6.0°C respectively. Expected morning and evening relative humidity will be   |
|                                      | 48-71% and 21-36% respectively. Wind direction is mainly W & WNW             |
|                                      | with average wind speed range of 7.5-8.7 kmph.                               |
| Warning:                             | •  |

|                                       | Monitor for possible attack of insects/pests                        |                             |             |   |  |  |
|---------------------------------------|---|-----------------------------|-------------|---|--|--|
| = =                                   | Application of fertilizers/manure can be done during clear/dry days |                             |             |   |  |  |
| <del>-</del>                          | Proper drainage to all crop to avoid runoff                         |                             |             |   |  |  |
| • Check of                            | f vaccination sche  |                             |             | ORIES FOR THE PERIOD  |  |  |
| C                                     | G4  |                             | ADVISC      |   |  |  |
| Crop                                  | Stage   | Pest/Disease                |             | Precautionary Practices to be followed  |  |  |
| FIELD CROPS                           | Elemenia /  | XX71-14                     | .*.         | N 11 161' CM (1 1.D'd M 47 © 2.7 4')  |  |  |
| Mustard                               | Flowering/<br>Pod formation   | White rust/<br>Downy mildew |             | Need-based foliar spray of Metalaxyl+Dithane M-45 @ 2.5g/lit at 15 days interval  |  |  |
| Pea                                   | Vegetative  | Cut worm                    |             | Provide irrigation to the crop,<br>When damage level is high application of Lannate 40 SP @ 5 gram<br>per 10 litre of water may be done,  |  |  |
| Maize                                 | Vegetative/<br>Maturity   | Rats                        |             | Use of mulch to conserve moisture level, Protect the crop against attack of rats using locally available traps,   |  |  |
| VEGETABLES                            |   |                             |             |   |  |  |
| Cabbage/<br>Cauliflower/<br>Knolkhol/ | Vegetative /<br>Harvesting  | Leaf eating insects         | *           | or mulching,  |  |  |
| Potato                                | Vegetative  | Late blight                 | *<br>*      | Regular monitoring of crop against attack of insect pests,  Need based irrigation of the crop is advised,  Regular monitoring is advised. Look for characteristic symptoms. Prominent first symptoms include small, dark, circular to irregular shaped lesion in the leaves  If symptoms are advised, spraying of Mancozeb@ 2 gram per 4 litres of water as preventive spray is advised |  |  |
| HORTICULTURAL CROPS                   |   |                             |             |   |  |  |
| Peach/kiwi/apple<br>/ pears           | Vegetative<br>(harvesting over)                                     |                             |             | Training & pruning of diseased/criss-cross branches to harvest more solar energy & for proper growth.  Maintain proper framework of the plant & remove the unnecessary branches & diseased plant parts.   |  |  |
| Citrus                                | Maturity/<br>Harvesting   |                             | *           | Collect dropped fruits & dispose by putting in airtight bags or burry deep in ground Pruning or dry twigs & branches of after harvesting.   |  |  |
| LIVESTOCKS                            |   |                             |             |   |  |  |
| Livestock                             | Stage   | Disease                     |             | Precautionary Practices to be followed  |  |  |
| Poultry                               | All stages  |                             |             | Provide vitamin C and glucose in feed and water, Provide dry bedding material,  |  |  |
| Pigs                                  | New born  | Cold                        | *<br>*<br>* | Pig shed/stay should keep dry and avoid dampness, Vaccinate against swine fever, Avoid of eating human excreta, Avoid stagnant water near the shed,   |  |  |
| Contact Sci                           | entists (ICAR) or Stat  | te Agril Staff or KVK       | staff for   | measures against adverse conditions or call at 03795-226237/226247  |  |  |



# **District Level Agro-met Advisory Bulletin**



(Period: 2<sup>nd</sup> to 6<sup>th</sup> January 2019) No: AMFU-Basar/2019/1 Dated: Tuesday, 1st January, 2019



Gramin Krishi Mausam Sewa ICAR Research Complex for NEH Region, Arunachal Pradesh Centre, Basar-791101

### **ADVISORY FOR DISTRICT: LOHIT**

| Weather summery of the previous week | Weather forecast valid up to 6 <sup>th</sup> January 2019                     |
|--------------------------------------|---|
| Rainfall: 0.0 mm (Tezu)              | Generally clear/dry weather forecasted. Daily maximum and minimum             |
|                                      | temperature for the following period is predicted to be 22.0-24.0°C and 09.0- |
|                                      | 11.0°C respectively. Expected morning and evening relative humidity will      |
|                                      | be 48-55% and 19-23% respectively. Wind direction is mainly ENE & NE          |
|                                      | average wind speed range of 6.9-7.6 kmph.                                     |
| Warning                              | •   |

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## District Level Agro-met Advisory Bulletin

### **Arunachal Pradesh**

(Period: 2<sup>nd</sup> to 6<sup>th</sup> January 2019)

No: AMFU-Basar/2019/1 Dated: Tuesday, 1st January, 2019



Gramin Krishi Mausam Sewa ICAR Research Complex for NEH Region, Arunachal Pradesh Centre, Basar-791101

### ADVISORY FOR DISTRICT: LOWER DIBANG VALLEY

| Weather summery of the previous week | Weather forecast valid up to 6 <sup>th</sup> January 2019                     |
|--------------------------------------|---|
| Rainfall (Roing): 0.0 mm             | Generally clear/dry weather forecasted. Daily maximum and minimum             |
|                                      | temperature for the following period is predicted to be 22.0-24.0°C and 09.0- |
|                                      | 11.0°C respectively. Expected morning and evening relative humidity will      |
|                                      | be 48-55% and 19-25% respectively. Wind direction is mainly SE with           |
|                                      | average wind speed range of 7.6-8.5 kmph.                                     |
| Warning:                             | •   |

| <ul><li>Monitor</li><li>Applicate</li><li>Proper of</li></ul> | tion of fertilizers/i<br>drainage to all cro | ck of insects/pests<br>manure can be do<br>op to avoid runoff<br>edule in poultry/li | one during clear/dry days<br>vestock   |
|---|--|--|--|
| C   | , qu   |  | ADVISORIES FOR THE PERIOD  |
| Crop<br>FIELD CROPS   | Stage  | Pest/Disease   | Precautionary Practices to be followed   |
|   | Tri ·  | A 1 1  |  |
| Mustard   | Flowering                                    | Aphid<br>Painted bug   | <ul> <li>Spraying of Dimethoate @ 2 ml per litre of water</li> <li>Collect and dispose off the heavily infested twigs,</li> <li>For painted bug dusting with wood ash is advised,</li> </ul>   |
| Rice  | Harvesting                                   |  | ❖ Harvesting of mature crop  |
| TEGERADI E  | G.   |  | Proper sundry before storage   |
| VEGETABLE   |  | l  |  |
| Cabbage/<br>Cauliflower/<br>Knolkhol/<br>Others<br>Col crops  | Vegetative /<br>Harvesting                   | Leaf eating caterpillars   | <ul> <li>Provide irrigation to the late sown crop,</li> <li>Monitor crop against attack of leaf feeding caterpillars. Manual collection of caterpillars is advised. When population density is high, application of Lannate 40 SP @ 5 gram per 10 litres of water may be done</li> </ul>   |
| HORTICULT   | URAL CROPS                                   |  |  |
| Banana  | Bunching                                     | Cold   | <ul> <li>Cover newly emerged bunches with locally available sack to protect from cold/frost</li> <li>Timely/regular removal of extra suckers, dry leaves &amp; pseudostem.</li> </ul>  |
| Citrus/ Oranges   | Maturity/<br>Harvesting                      | Trunk borer/<br>Blue & green<br>mould  | <ul> <li>Remove all water sprouts at base of plants.</li> <li>Only if harvesting is over, go for drenching with Dichlorovos 76 <a href="EC@0.05%"><u>EC@0.05%</u></a> against trunk-borer.</li> <li>Against Blue &amp; Green mould, spray Imazalil 34 WP @ 1g/lit. Prune away the diseased portion of the plant.</li> </ul>                    |
| LIVESTOCKS  |  |  |  |
| Livestock   | Stage  | Disease  | Precautionary Practices to be followed   |
| Poultry   | All stages                                   |  | <ul> <li>Vaccination of birds as per the recommended age,</li> <li>Avoid dampness, litter should be periodically changed.</li> <li>Provide clean and fresh water daily.</li> <li>Artificial heating through lighting of electric bulb during night time to protect the poultry birds (day old to 25 days old) from low temperature.</li> </ul> |
| Cattle  | All Growth                                   |  | <ul> <li>Provide dry bedding material,</li> <li>Avoid tick bath in early morning and late afternoon,</li> <li>Provide less ventilation to avoid heat loss</li> </ul>   |
| Sheep/Goat  | All stages                                   |  | <ul> <li>Vaccination &amp; deworming at regular interval.</li> <li>Vaccinate with PPR as per proper consultation,</li> </ul>   |
| Fish  | -  |  | <ul> <li>Partial harvesting,</li> <li>Make arrangement to maintain adequate water level in the pond, if required.</li> </ul>   |





(Period: 2<sup>nd</sup> to 6<sup>th</sup> January 2019)

No: AMFU-Basar/2019/1

Dated: Tuesday, 1st January, 2019



Gramin Krishi Mausam Sewa ICAR Research Complex for NEH Region, Arunachal Pradesh Centre, Basar-791101

### **ADVISORY FOR DISTRICT: LOWER SUBANSIRI**

| Weather summery of the previous week | Weather forecast valid up to 6 <sup>th</sup> January 2019                     |
|--------------------------------------|---|
| NA                                   | Generally clear/dry weather forecasted. Daily maximum and minimum             |
|                                      | temperature for the following period is predicted to be 24.0-26.0°C and 06.0- |
|                                      | 8.0°C respectively. Expected morning and evening relative humidity will be    |
|                                      | 55-64% and 25-30% respectively. Wind direction is mainly NW & WNW             |
|                                      | with average wind speed range of 7.1-7.8 kmph.                                |
| Warning:                             | •   |

#### **GENERAL RECOMMENDATIONS**

|                                       | tion of fertilizers/n<br>drainage to all cro |                             |   |
|---------------------------------------|--|-----------------------------|---|
| <del>-</del>                          | of vaccination sche                          | -                           |   |
| - CHECK O                             | 1 vaccination sens                           | <u> </u>                    | ADVISORIES FOR THE PERIOD   |
| Crop                                  | Stage  | Pest/Disease                | Precautionary Practices to be followed  |
| FIELD CROPS                           |  |                             |   |
| Mustard                               | Flowering/<br>Pod formation                  | White rust/<br>Downy mildew | Need-based foliar spray of Metalaxyl+Dithane M-45 @ 2.5g/lit<br>at 15 days interval   |
| Pea                                   | Vegetative                                   | Cut worm                    | <ul> <li>Provide irrigation to the crop,</li> <li>When damage level is high application of Lannate 40 SP @ 5 gram per 10 litre of water may be done,</li> </ul>   |
| Maize                                 | Vegetative/<br>Maturity                      | Rats                        | <ul> <li>Use of mulch to conserve moisture level,</li> <li>Protect the crop against attack of rats using locally available traps,</li> </ul>  |
| VEGETABLES                            | 5  |                             |   |
| Cabbage/<br>Cauliflower/<br>Knolkhol/ | Vegetative /<br>Harvesting                   | Leaf eating insects         | <ul> <li>Spray Azadirachtin 0.15% EC 2@ 6ml/lit against leaf eating insects</li> <li>Maintain adequate moisture level in the crop by light irrigation or mulching,</li> <li>Regular monitoring of crop against attack of insect pests,</li> </ul>   |
| Potato                                | Vegetative                                   | Late blight                 | <ul> <li>Need based irrigation of the crop is advised,</li> <li>Regular monitoring is advised. Look for characteristic symptoms. Prominent first symptoms include small, dark, circular to irregular shaped lesion in the leaves</li> <li>If symptoms are advised, spraying of Mancozeb@ 2 gram per 4 litres of water as preventive spray is advised</li> </ul> |
| HORTICULTUR                           | RAL CROPS                                    |                             |   |
| Peach/kiwi/apple<br>/ pears           | Vegetative (harvesting over)                 |                             | <ul> <li>Training &amp; pruning of diseased/criss-cross branches to harvest more solar energy &amp; for proper growth.</li> <li>Maintain proper framework of the plant &amp; remove the unnecessary branches &amp; diseased plant parts.</li> </ul>   |
| Citrus                                | Maturity/<br>Harvesting                      |                             | <ul> <li>Collect dropped fruits &amp; dispose by putting in airtight bags or burry deep in ground</li> <li>Pruning or dry twigs &amp; branches of after harvesting.</li> </ul>  |
| LIVESTOCKS                            | 1  |                             |   |
| Livestock                             | Stage  | Disease                     | Precautionary Practices to be followed  |
| Poultry                               | All stages                                   |                             | <ul> <li>Provide vitamin C and glucose in feed and water,</li> <li>Provide dry bedding material,</li> </ul>   |
| Pigs                                  | New born                                     | Cold                        | <ul> <li>Pig shed/stay should keep dry and avoid dampness,</li> <li>Vaccinate against swine fever,</li> <li>Avoid of eating human excreta,</li> <li>Avoid stagnant water near the shed,</li> </ul>  |



# **District Level Agro-met Advisory Bulletin**



(Period: 2<sup>nd</sup> to 6<sup>th</sup> January 2019)

No: AMFU-Basar/2019/1 Dated: Tuesday, 1st January, 2019



Gramin Krishi Mausam Sewa ICAR Research Complex for NEH Region, Arunachal Pradesh Centre, Basar-791101

### **ADVISORY FOR DISTRICT: PAPUM PARE**

| Weather summery of the previous week | Weather forecast valid up to 6 <sup>th</sup> January 2019                     |
|--------------------------------------|---|
|                                      | Generally clear/dry weather forecasted Daily maximum and minimum              |
| 9.0°C; RH: 51-84%                    | temperature for the following period is predicted to be 25.0-27.0°C and 11.0- |
|                                      | 12.0°C respectively. Expected morning and evening relative humidity will      |
|                                      | be 59-64% and 31-34% respectively. Wind direction is mainly SSW with          |
|                                      | average wind speed range of 6.1-6.6 kmph.                                     |
| Warning:                             | •   |

| GENER                                       | AL RECOMME   | NDATIONS            |          |   |  |  |
|---|--|---------------------|----------|---|--|--|
| <ul><li>Monitor</li></ul>                   | for possible attac                                 | ck of insects/pests |          |   |  |  |
| <ul> <li>Applicat</li> </ul>                | tion of fertilizers/                               | manure can be do    | ne durir | ng clear/dry days   |  |  |
| Proper drainage to all crop to avoid runoff |  |                     |          |   |  |  |
| _   | Check of vaccination schedule in poultry/livestock |                     |          |   |  |  |
|   |  |                     |          | PRIES FOR THE PERIOD  |  |  |
| Crop  | Stage  | Pest/Disease        |          | Precautionary Practices to be followed                            |  |  |
| FIELD CROPS                                 |  |                     |          | ·   |  |  |
| Mustard                                     | Flowering  | Aphid               | *        | Spraying of Dimethoate @ 2 ml per litre of water                  |  |  |
|   |  | Painted bug         | *        | Collect and dispose off the heavily infested twigs,               |  |  |
|   |  |                     | *        | For painted bug dusting with wood ash is advised,                 |  |  |
| Rice  | Harvesting   |                     | *        | Harvesting of mature crop   |  |  |
|   |  |                     | *        | Proper sundry before storage                                      |  |  |
| VEGETABLE                                   |  |                     |          |   |  |  |
| Cabbage/                                    | Vegetative /                                       |                     | *        | Provide irrigation to the late sown crop,                         |  |  |
| Cauliflower/                                | Harvesting   |                     | *        | Monitor crop against attack of leaf feeding caterpillars. Manual  |  |  |
| Knolkhol/                                   |  | Leaf eating         |          | collection of caterpillars is advised. When population density is |  |  |
| Others                                      |  | caterpillars        |          | high, application of Lannate 40 SP @ 5 gram per 10 litres of      |  |  |
| Col crops                                   | LIBAL GROBG  |                     |          | water may be done   |  |  |
|   | URAL CROPS   | C 11                | •        |   |  |  |
| Banana                                      | Bunching   | Cold                | **       | Cover newly emerged bunches with locally available sack to        |  |  |
|   |  |                     | .*.      | protect from cold/frost   |  |  |
|   |  |                     | *        | Timely/regular removal of extra suckers, dry leaves & pseudostem. |  |  |
| Citrus/ Oranges                             | Maturity/  | Trunk borer/        | *        | Remove all water sprouts at base of plants.                       |  |  |
| Citius/ Oranges                             | Harvesting   | Blue & green        | *        | Only if harvesting is over, go for drenching with Dichlorovos 76  |  |  |
|   |  | mould               | •        | EC@0.05% against trunk-borer.                                     |  |  |
|   |  |                     | *        | Against Blue & Green mould, spray Imazalil 34 WP @ 1g/lit.        |  |  |
|   |  |                     |          | Prune away the diseased portion of the plant.                     |  |  |
| LIVESTOCKS                                  |  |                     |          | ·   |  |  |
| Livestock                                   | Stage  | Disease             |          | Precautionary Practices to be followed                            |  |  |
| Poultry                                     | All stages   |                     | *        | Vaccination of birds as per the recommended age,                  |  |  |
|   |  |                     |          | Avoid dampness, litter should be periodically changed.            |  |  |
|   |  |                     |          | Provide clean and fresh water daily.                              |  |  |
|   |  |                     | *        | Artificial heating through lighting of electric bulb during night |  |  |
|   |  |                     |          | time to protect the poultry birds (day old to 25 days old) from   |  |  |
|   |  |                     |          | low temperature.  |  |  |
| Cattle                                      | All Growth   |                     | *        | Provide dry bedding material,                                     |  |  |
|   |  |                     | *        | Avoid tick bath in early morning and late afternoon,              |  |  |
|   |  |                     | *        | Provide less ventilation to avoid heat loss                       |  |  |
| Sheep/Goat                                  | All stages   |                     | *        | Vaccination & deworming at regular interval.                      |  |  |
|   |  |                     |          | Vaccinate with PPR as per proper consultation,                    |  |  |
| Fish  | -  |                     | *        | Partial harvesting,   |  |  |
|   |  |                     | *        | Make arrangement to maintain adequate water level in the pond,    |  |  |
|   |  |                     |          | if required.  |  |  |





### District Level Agro-met Advisory Bulletin Arunachal Pradesh

(Period: 2<sup>nd</sup> to 6<sup>th</sup> January 2019)

No: AMFU-Basar/2019/1

Dated: Tuesday, 1st January, 2019



Gramin Krishi Mausam Sewa ICAR Research Complex for NEH Region, Arunachal Pradesh Centre, Basar-791101

#### **ADVISORY FOR DISTRICT: TAWANG**

| Weather summery of the previous week | Weather forecast valid up to 6 <sup>th</sup> January 2019                     |
|--------------------------------------|---|
| Rainfall: 0.0 mm                     | Generally clear/dry weather forecasted. Daily maximum and minimum             |
|                                      | temperature for the following period is predicted to be 10.0-12.0°C and -9.0- |
|                                      | (-)8.0°C respectively. Expected morning and evening relative humidity will    |
|                                      | be 50-70% and 24-33% respectively. Wind direction is mainly E with            |
|                                      | average wind speed range of 8.7-10.6 kmph.                                    |
| Warning:                             | •   |

- Monitor for possible attack of insects/pests
- Application of fertilizers/manure can be done during clear/dry days

| <ul> <li>Application of fertilizers/manure can be done during clear/dry days</li> <li>Proper drainage to all crop to avoid runoff</li> </ul> |                   |              |    |   |
|--|-------------------|--------------|----|---|
| Check of vaccination schedule in poultry/livestock     DETAILS OF ADVISORIES FOR THE PERIOD  |                   |              |    |   |
|  |                   |              |    | FIELD CROPS   |
| Mustard  | Flowering/        | White rust/  | *  | Need-based foliar spray of Metalaxyl+Dithane M-45 @ 2.5g/lit  |
|  | Pod formation     | Downy mildew |    | at 15 days interval   |
| Pea  | Vegetative        | Cut worm     | *  | Provide irrigation to the crop,   |
|  |                   |              | *  | When damage level is high application of Lannate 40 SP @ 5 gram per 10 litre of water may be done,        |
| Maize  | Vegetative/       | Rats         | *  | Use of mulch to conserve moisture level,  |
|  | Maturity          |              | *  | Protect the crop against attack of rats using locally available   |
|  |                   |              |    | traps,  |
| VEGETABLES   |                   |              |    |   |
| Cabbage/   | Vegetative /      | Leaf eating  | *  | Spray Azadirachtin 0.15% EC 2@ 6ml/lit against leaf eating  |
| Cauliflower/   | Harvesting        | insects      |    | insects   |
| Knolkhol/  |                   |              | *  | Maintain adequate moisture level in the crop by light irrigation  |
|  |                   |              |    | or mulching,  |
|  |                   |              |    | Regular monitoring of crop against attack of insect pests,  |
| Potato   | Vegetative        |              |    | Need based irrigation of the crop is advised,   |
|  |                   | Late blight  | *  | Regular monitoring is advised. Look for characteristic  |
|  |                   |              |    | symptoms. Prominent first symptoms include small, dark, circular to irregular shaped lesion in the leaves |
|  |                   |              | ** | If symptoms are advised, spraying of Mancozeb@ 2 gram per 4   |
|  |                   |              | •  | litres of water as preventive spray is advised  |
| HORTICULTUR  | AL CROPS          |              |    |   |
| Peach/kiwi/apple   | Vegetative        |              | *  | Training & pruning of diseased/criss-cross branches to harvest  |
| / pears  | (harvesting over) |              |    | more solar energy & for proper growth.  |
|  |                   |              | *  | Maintain proper framework of the plant & remove the   |
|  |                   |              |    | unnecessary branches & diseased plant parts.  |
| Citrus   | Maturity/         |              | *  | Collect dropped fruits & dispose by putting in airtight bags or   |
|  | Harvesting        |              |    | burry deep in ground  |
|  |                   |              | *  | Pruning or dry twigs & branches of after harvesting.  |
| LIVESTOCKS   |                   |              |    |   |
| Livestock  | Stage             | Disease      |    | Precautionary Practices to be followed  |
| Poultry  | All stages        |              | *  | Provide vitamin C and glucose in feed and water,  |
| ,  |                   |              |    | Provide dry bedding material,   |
| Pigs   | New born          | Cold         |    | Pig shed/stay should keep dry and avoid dampness,   |
| -  |                   |              | *  | Vaccinate against swine fever,  |
|  |                   |              |    |   |
|  |                   |              | *  | Avoid of eating human excreta, Avoid stagnant water near the shed,  |





### District Level Agro-met Advisory Bulletin Arunachal Pradesh

(Period: 2<sup>nd</sup> to 6<sup>th</sup> January 2019)

No: AMFU-Basar/2019/1

Dated: Tuesday, 1st January, 2019



Gramin Krishi Mausam Sewa ICAR Research Complex for NEH Region, Arunachal Pradesh Centre, Basar-791101

#### **ADVISORY FOR DISTRICT: TIRAP**

| Weather summery of the previous week | Weather forecast valid up to 6 <sup>th</sup> January 2019                     |
|--------------------------------------|---|
| Rainfall: 0.8 mm                     | Generally clear/dry weather forecasted. Daily maximum and minimum             |
|                                      | temperature for the following period is predicted to be 25.0-26.0°C and 09.0- |
|                                      | 11.0°C respectively. Expected morning and evening relative humidity will      |
|                                      | be 53-68% and 25-35% respectively. Wind direction is mainly ESE with          |
|                                      | average wind speed range of 4.2-4.8 kmph.                                     |
| Warning:                             | •   |

| Warning:  |  |  | •  |
|---|--|--|--|
| <ul><li>Avoid al</li><li>Applicat</li><li>Proper of</li></ul> | AL RECOMMENT I spray operation tion of fertilizers/strainage to all crops of the following the second section section second in the second sec | s<br>manure may be<br>op to avoid runo<br>edule in poultry | ff   |
| Crop  | Stage  | Pest/Disease   | Precautionary Practices to be followed   |
| FIELD CROPS   | Stage  | rest/Disease   | Frecautionary Fractices to be followed   |
| Mustard   | Flowering  | Aphid<br>Painted bug                                       | <ul> <li>Spraying of Dimethoate @ 2 ml per litre of water</li> <li>Collect and dispose off the heavily infested twigs,</li> <li>For painted bug dusting with wood ash is advised,</li> </ul>   |
| Rice  | Harvesting   |  | <ul><li>Harvesting of mature crop</li><li>Proper sundry before storage</li></ul>   |
| VEGETABLE   | S  |  |  |
| Cabbage/<br>Cauliflower/<br>Knolkhol/<br>Others<br>Col crops  | Vegetative /<br>Harvesting   | Leaf eating caterpillars                                   | <ul> <li>Provide irrigation to the late sown crop,</li> <li>Monitor crop against attack of leaf feeding caterpillars. Manual collection of caterpillars is advised. When population density is high, application of Lannate 40 SP @ 5 gram per 10 litres of water may be done</li> </ul>   |
| HORTICULT   | URAL CROPS   |  |  |
| Banana  | Bunching   | Cold   | <ul> <li>Cover newly emerged bunches with locally available sack to protect from cold/frost</li> <li>Timely/regular removal of extra suckers, dry leaves &amp; pseudostem.</li> </ul>  |
| Citrus/ Oranges   | Maturity/<br>Harvesting  | Trunk borer/<br>Blue & green<br>mould                      | Remove all water sprouts at base of plants.  |
| LIVESTOCKS  |  |  |  |
| Livestock   | Stage  | Disease  | Precautionary Practices to be followed   |
| Poultry   | All stages   |  | <ul> <li>Vaccination of birds as per the recommended age,</li> <li>Avoid dampness, litter should be periodically changed.</li> <li>Provide clean and fresh water daily.</li> <li>Artificial heating through lighting of electric bulb during night time to protect the poultry birds (day old to 25 days old) from low temperature.</li> </ul> |
| Cattle  | All Growth   |  | <ul> <li>Provide dry bedding material,</li> <li>Avoid tick bath in early morning and late afternoon,</li> <li>Provide less ventilation to avoid heat loss</li> </ul>   |
| Sheep/Goat  | All stages   |  | <ul> <li>Vaccination &amp; deworming at regular interval.</li> <li>Vaccinate with PPR as per proper consultation,</li> </ul>   |
| Fish  | -  |  | <ul> <li>vaccinate with TTR as per proper consultation;</li> <li>Partial harvesting,</li> <li>Make arrangement to maintain adequate water level in the pond, if required.</li> </ul>   |





### District Level Agro-met Advisory Bulletin Arunachal Pradesh

(Period: 2<sup>nd</sup> to 6<sup>th</sup> January 2019)

No: AMFU-Basar/2019/1

Dated: Tuesday, 1st January, 2019



Gramin Krishi Mausam Sewa ICAR Research Complex for NEH Region, Arunachal Pradesh Centre, Basar-791101

#### ADVISORY FOR DISTRICT: UPPER SIANG

| Weather summery of the previous week | Weather forecast valid up to 6 <sup>th</sup> January 2019                 |
|--------------------------------------|---|
| Rainfall: 0.0 mm                     | Mostly sunny/ partly cloudy with possibility of very light rain. Daily    |
|                                      | maximum and minimum temperature for the following period is predicted to  |
|                                      | be 24.0-27.0°C and 10.0-12.0°C respectively. Expected morning and evening |
|                                      | relative humidity will be 58-70% and 30-43% respectively. Wind direction  |
|                                      | is mainly WSW with average wind speed range of 7.0-8.7 kmph.              |
| Warning:                             |   |

- Monitor for possible attack of insects/pests
- Application of fertilizers/manure can be done during clear/dry days
- Proper drainage to all crop to avoid runoff
- Check of vaccination schedule in poultry/livestock

| DETAILS OF ADVISORIES FOR THE PERIOD  |                                 |                             |           |   |
|---------------------------------------|---------------------------------|-----------------------------|-----------|---|
| Crop                                  | Stage                           | Pest/Disease                |           | Precautionary Practices to be followed  |
| FIELD CROPS                           |                                 |                             |           |   |
| Mustard                               | Flowering/<br>Pod formation     | White rust/<br>Downy mildew | *         | Need-based foliar spray of Metalaxyl+Dithane M-45 @ 2.5g/lit at 15 days interval  |
| Pea                                   | Vegetative                      | Cut worm                    |           | Provide irrigation to the crop,<br>When damage level is high application of Lannate 40 SP @ 5 gram<br>per 10 litre of water may be done,  |
| Maize                                 | Vegetative/<br>Maturity         | Rats                        |           | Use of mulch to conserve moisture level, Protect the crop against attack of rats using locally available traps,   |
| VEGETABLES                            |                                 |                             |           |   |
| Cabbage/<br>Cauliflower/<br>Knolkhol/ | Vegetative /<br>Harvesting      | Leaf eating insects         | *         | Spray Azadirachtin 0.15% EC 2@ 6ml/lit against leaf eating insects  Maintain adequate moisture level in the crop by light irrigation or mulching,  Regular monitoring of crop against attack of insect pests,   |
| Potato                                | Vegetative                      | Late blight                 | *<br>*    | Need based irrigation of the crop is advised, Regular monitoring is advised. Look for characteristic symptoms. Prominent first symptoms include small, dark, circular to irregular shaped lesion in the leaves If symptoms are advised, spraying of Mancozeb@ 2 gram per 4 litres of water as preventive spray is advised |
| HORTICULTUR                           | AL CROPS                        |                             |           |   |
| Peach/kiwi/apple<br>/ pears           | Vegetative<br>(harvesting over) |                             |           | Training & pruning of diseased/criss-cross branches to harvest more solar energy & for proper growth.  Maintain proper framework of the plant & remove the unnecessary branches & diseased plant parts.   |
| Citrus                                | Maturity/<br>Harvesting         |                             |           | Collect dropped fruits & dispose by putting in airtight bags or burry deep in ground Pruning or dry twigs & branches of after harvesting.   |
| LIVESTOCKS                            |                                 |                             |           |   |
| Livestock                             | Stage                           | Disease                     |           | Precautionary Practices to be followed  |
| Poultry                               | All stages                      |                             | *         | Provide vitamin C and glucose in feed and water, Provide dry bedding material,  |
| Pigs                                  | New born                        | Cold                        | * * * *   | Pig shed/stay should keep dry and avoid dampness, Vaccinate against swine fever, Avoid of eating human excreta, Avoid stagnant water near the shed,   |
| Contact Sci                           | entists (ICAR) or Stat          | te Agril Staff or KVK       | staff for | measures against adverse conditions or call at 03795-226237/226247  |



### District Level Agro-met Advisory Bulletin Arunachal Pradesh



No: AMFU-Basar/2019/1 Dated: Tuesday, 1st January, 2019



Gramin Krishi Mausam Sewa ICAR Research Complex for NEH Region, Arunachal Pradesh Centre, Basar-791101

### **ADVISORY FOR DISTRICT: UPPER SUBANSIRI**

| Weather summery of the previous week | Weather forecast valid up to 6 <sup>th</sup> January 2019                 |
|--------------------------------------|---|
| Daporijo: 0.0 mm                     | Mostly sunny/partly cloudy with possibility of very light rain Daily      |
|                                      | maximum and minimum temperature for the following period is predicted to  |
|                                      | be 23.0-27.0°C and 10.0-12.0°C respectively. Expected morning and evening |
|                                      | relative humidity will be 51-72% and 22-33% respectively. Wind direction  |
|                                      | is mainly NNW with average wind speed range of 6.9-8.1 kmph.              |
| Warning:                             | •   |

#### **GENERAL RECOMMENDATIONS**

| <ul> <li>Application of fertilizers/manure can be done during clear/dry days</li> <li>Proper drainage to all crop to avoid runoff</li> </ul> |                            |                                       |                               |   |
|--|----------------------------|---------------------------------------|-------------------------------|---|
| Check of vaccination schedule in poultry/livestock   |                            |                                       |                               |   |
|  |                            | DETAILS OF A                          | DVISC                         | ORIES FOR THE PERIOD  |
| Crop   | Stage                      | Pest/Disease                          |                               | <b>Precautionary Practices to be followed</b>   |
| FIELD CROPS  |                            |                                       |                               |   |
| Mustard  | Flowering Harvesting       | Aphid<br>Painted bug                  | *                             | Spraying of Dimethoate @ 2 ml per litre of water Collect and dispose off the heavily infested twigs, For painted bug dusting with wood ash is advised, Harvesting of mature crop  |
|  | 1144 (004118               |                                       |                               | Proper sundry before storage  |
| VEGETABLE  | S                          | <u> </u>                              | <u> </u>                      |   |
| Cabbage/<br>Cauliflower/<br>Knolkhol/<br>Others<br>Col crops   | Vegetative /<br>Harvesting | Leaf eating caterpillars              | *<br>*                        | Provide irrigation to the late sown crop,<br>Monitor crop against attack of leaf feeding caterpillars. Manual<br>collection of caterpillars is advised. When population density is<br>high, application of Lannate 40 SP @ 5 gram per 10 litres of<br>water may be done                         |
| HORTICULT  | URAL CROPS                 |                                       |                               |   |
| Banana   | Bunching                   | Cold                                  |                               | Cover newly emerged bunches with locally available sack to protect from cold/frost Timely/regular removal of extra suckers, dry leaves & pseudostem.  |
| Citrus/ Oranges  | Maturity/<br>Harvesting    | Trunk borer/<br>Blue & green<br>mould | *<br>*                        | Remove all water sprouts at base of plants.  Only if harvesting is over, go for drenching with Dichlorovos 76  EC@0.05% against trunk-borer.  Against Blue & Green mould, spray Imazalil 34 WP @ 1g/lit.  Prune away the diseased portion of the plant.   |
| LIVESTOCKS   |                            |                                       |                               | , , , , , , , , , , , , , , , , , , ,   |
| Livestock  | Stage                      | Disease                               |                               | Precautionary Practices to be followed  |
| Poultry  | All stages                 |                                       | <b>*</b>                      | Vaccination of birds as per the recommended age, Avoid dampness, litter should be periodically changed. Provide clean and fresh water daily. Artificial heating through lighting of electric bulb during night time to protect the poultry birds (day old to 25 days old) from low temperature. |
| Cattle   | All Growth                 |                                       | <ul><li>*</li><li>*</li></ul> | Provide dry bedding material,<br>Avoid tick bath in early morning and late afternoon,<br>Provide less ventilation to avoid heat loss  |
| Sheep/Goat   | All stages                 |                                       | <b>*</b>                      | Vaccination & deworming at regular interval.  Vaccinate with PPR as per proper consultation,  |
| Fish   | -                          |                                       |                               | Partial harvesting,  Make arrangement to maintain adequate water level in the pond if required.   |





### District Level Agro-met Advisory Bulletin Arunachal Pradesh

(Period: 2<sup>nd</sup> to 6<sup>th</sup> January 2019)

No: AMFU-Basar/2019/1

Dated: Tuesday, 1st January, 2019



Gramin Krishi Mausam Sewa ICAR Research Complex for NEH Region, Arunachal Pradesh Centre, Basar-791101

#### **ADVISORY FOR DISTRICT: WEST KAMENG**

| Weather summery of the previous week        | Weather forecast valid up to 6 <sup>th</sup> January 2019                 |
|---|---|
| Rainfall = Bomdila: NA; Bhalukpong: 0.0 mm; | Mostly fair weather forecasted with possibility of very light rain. Daily |
| Kalaktang: 0.0 mm                           | maximum and minimum temperature for the following period is predicted to  |
|   | be 20.0-23.0°C and 06.0-07.0°C respectively. Expected morning and evening |
|   | relative humidity will be 58-70% and 24-33% respectively. Wind direction  |
|   | is mainly NW & WNW wind speed range of 8.0-8.9 kmph.                      |
| Warning:                                    | •   |

#### GENERAL RECOMMENDATIONS

- Monitor for possible attack of insects/pests
- Application of fertilizers/manure can be done during clear/dry days

#### Proper drainage to all crop to avoid runoff Check of vaccination schedule in poultry/livestock DETAILS OF ADVISORIES FOR THE PERIOD Crop Stage Pest/Disease **Precautionary Practices to be followed** FIELD CROPS Mustard ❖ Need-based foliar spray of Metalaxyl+Dithane M-45 @ 2.5g/lit Flowering/ White rust/ Pod formation Downy mildew at 15 days interval Pea Vegetative Cut worm Provide irrigation to the crop, When damage level is high application of Lannate 40 SP @ 5 gram per 10 litre of water may be done, Maize Vegetative/ Rats Use of mulch to conserve moisture level, Maturity ❖ Protect the crop against attack of rats using locally available **VEGETABLES** Leaf eating Cabbage/ Vegetative / Spray Azadirachtin 0.15% EC 2@ 6ml/lit against leaf eating Cauliflower/ Harvesting insects insects Knolkhol/ ❖ Maintain adequate moisture level in the crop by light irrigation or mulching, Regular monitoring of crop against attack of insect pests, Potato Vegetative **❖** Need based irrigation of the crop is advised, Regular monitoring is advised. Look for characteristic Late blight symptoms. Prominent first symptoms include small, dark, circular to irregular shaped lesion in the leaves If symptoms are advised, spraying of Mancozeb@ 2 gram per 4 litres of water as preventive spray is advised **HORTICULTURAL CROPS** Peach/kiwi/apple Vegetative Training & pruning of diseased/criss-cross branches to harvest / pears (harvesting over) more solar energy & for proper growth. Maintain proper framework of the plant & remove the unnecessary branches & diseased plant parts. Citrus Maturity/ Collect dropped fruits & dispose by putting in airtight bags or Harvesting burry deep in ground Pruning or dry twigs & branches of after harvesting. **LIVESTOCKS** Livestock Stage **Disease Precautionary Practices to be followed Poultry** All stages Provide vitamin C and glucose in feed and water, Provide dry bedding material, Pig shed/stay should keep dry and avoid dampness, New born \* Pigs Cold \*\* Vaccinate against swine fever,

\*

Contact Scientists (ICAR) or State Agril Staff or KVK staff for measures against adverse conditions or call at 03795-226237/226247

Avoid of eating human excreta,

Avoid stagnant water near the shed,



### **District Level Agro-met Advisory Bulletin**

### **Arunachal Pradesh**

(Period: 2<sup>nd</sup> to 6<sup>th</sup> January 2019)

No: AMFU-Basar/2019/1 Dated: Tuesday, 1st January, 2019



Gramin Krishi Mausam Sewa ICAR Research Complex for NEH Region, Arunachal Pradesh Centre, Basar-791101

### **ADVISORY FOR DISTRICT: WEST SIANG**

{Basar: Latitude: 27°59.53/Longitude: 94.41.269/Altitude: 616 amsl}

| Weather summery of the previous week                        | Weather forecast valid up to 6 <sup>th</sup> January 2019   |
|---|---|
| Rainfall: 0.0 mm, Max. T: 20.0°C, Min. T: 3.5°C,            | Mostly sunny/partly cloudy with possibility of very light rain. Daily   |
| Wind Speed: 4-8 km/h, RH: 52-99%, Wind Direction: ESE & ENE | maximum and minimum temperature for the following period is predicted to be 25.0-27.0°C and 10.0-16.0°C respectively. Expected morning and evening relative humidity will be 59-70% and 28-41% respectively. Wind direction is mainly NW & NNW with average wind speed range of 6.5-7.9 kmph. |
| Warning:  |   |

|   | AL RECOMME            |                        |   |  |  |
|---|-----------------------|------------------------|---|--|--|
| Monitor for possible attack of insects/pests                        |                       |                        |   |  |  |
| Application of fertilizers/manure can be done during clear/dry days |                       |                        |   |  |  |
| Proper drainage to all crop to avoid runoff                         |                       |                        |   |  |  |
| Check of  | f vaccination sch     | edule in poultry/liv   | vestock   |  |  |
|   |                       |                        | ADVISORIES FOR THE PERIOD   |  |  |
| Crop  | Stage                 | Pest/Disease           | Precautionary Practices to be followed  |  |  |
| FIELD CROPS   | Buge                  | T CSU DISCUSC          | 1 recutionary 1 ractices to be followed   |  |  |
| Mustard   | Flowering             | Aphid                  | ❖ Spraying of Dimethoate @ 2 ml per litre of water  |  |  |
| Mustard   | Trowering             | Painted bug            | <ul> <li>Spraying of Diffictionate @ 2 fit per fitte of water</li> <li>Collect and dispose off the heavily infested twigs,</li> </ul> |  |  |
|   |                       | 1 ainted bug           | 1 · · · · · · · · · · · · · · · · · · ·   |  |  |
| D'  | TT                    |                        | For painted bug dusting with wood ash is advised,   |  |  |
| Rice  | Harvesting            |                        | Harvesting of mature crop   |  |  |
| VECETABLE   | G.                    |                        | <ul> <li>Proper sundry before storage</li> </ul>  |  |  |
| VEGETABLE   |                       |                        |   |  |  |
| Cabbage/  | Vegetative /          |                        | <ul> <li>Provide irrigation to the late sown crop,</li> </ul>   |  |  |
| Cauliflower/  | Harvesting            |                        | <ul> <li>Monitor crop against attack of leaf feeding caterpillars. Manual</li> </ul>  |  |  |
| Knolkhol/   |                       | Leaf eating            | collection of caterpillars is advised. When population density is   |  |  |
| Others  |                       | caterpillars           | high, application of Lannate 40 SP @ 5 gram per 10 litres of  |  |  |
| Col crops   |                       |                        | water may be done   |  |  |
|   | URAL CROPS            | _                      |   |  |  |
| Banana  | Bunching              | Cold                   | Cover newly emerged bunches with locally available sack to  |  |  |
|   |                       |                        | protect from cold/frost   |  |  |
|   |                       |                        | Timely/regular removal of extra suckers, dry leaves &   |  |  |
|   |                       |                        | pseudostem.   |  |  |
| Citrus/ Oranges   | Maturity/             | Trunk borer/           | Remove all water sprouts at base of plants.   |  |  |
|   | Harvesting            | Blue & green           | Only if harvesting is over, go for drenching with Dichlorovos 76  |  |  |
|   |                       | mould                  | EC@0.05% against trunk-borer.   |  |  |
|   |                       |                        | ❖ Against Blue & Green mould, spray Imazalil 34 WP @ 1g/lit.  |  |  |
|   |                       |                        | Prune away the diseased portion of the plant.   |  |  |
| LIVESTOCKS  |                       |                        |   |  |  |
| Livestock   | Stage                 | Disease                | Precautionary Practices to be followed  |  |  |
| Poultry   | All stages            |                        | Vaccination of birds as per the recommended age,  |  |  |
|   |                       |                        | Avoid dampness, litter should be periodically changed.  |  |  |
|   |                       |                        | Provide clean and fresh water daily.  |  |  |
|   |                       |                        | Artificial heating through lighting of electric bulb during night   |  |  |
|   |                       |                        | time to protect the poultry birds (day old to 25 days old) from   |  |  |
|   |                       |                        | low temperature.  |  |  |
| Cattle  | All Growth            |                        | Provide dry bedding material,   |  |  |
|   |                       |                        | Avoid tick bath in early morning and late afternoon,  |  |  |
|   |                       |                        | Provide less ventilation to avoid heat loss   |  |  |
| Sheep/Goat  | All stages            |                        | ❖ Vaccination & deworming at regular interval.  |  |  |
| Sheep/ Gout   | 7 III stages          |                        | <ul> <li>Vaccinate with PPR as per proper consultation,</li> </ul>  |  |  |
| Fish  | _                     |                        | • Vaccinate with 11 K as per proper constitution, • Partial harvesting,   |  |  |
| 1 1511  | _                     |                        | <ul> <li>Fartial narvesting,</li> <li>Make arrangement to maintain adequate water level in the pond,</li> </ul>                       |  |  |
|   |                       |                        | if required.  |  |  |
| Contact Sci   | entists (ICAR) or Sta | nte Agril Staff or KVK | A staff for measures against adverse conditions or call at 03795-226237/226247  |  |  |