



### Integrated Agromet Advisory Service Bulletin from 11<sup>th</sup> to 15<sup>th</sup> Nov'17 Dimapur District

**Bulletin No:88/2017** 

|  |        | Builetin 110.00/2017   |
|--|--------|--|
| Weather summary of the preceding week                          |        | Weather forecast valid upto 15 <sup>th</sup> Nov'17  |
| ■ No rain occurred the past week                               |        | pability of no rain the coming week.   |
| ■ Maximum and minimum temperatures ranged 29 <sup>o</sup> C to | • Max  | <b>x temp</b> is likely to be $28^{\circ}$ C - $30^{\circ}$ C and the <b>min temp</b> $15^{\circ}$ C to $17^{\circ}$ C   |
| 30°C and 15°C to 17°C, respectively.                           | ■ Sky  | is likely to be clear the coming week  |
| ■ Relative humidity varied from 40% to 88%.                    | ■ Rela | ative Humidity is likely to range from 35% to 90%.   |
| ■ Wind speed ranged from 3 to 4 kmph                           | • Win  | nd speed may reach upto 3-4 kmph   |
|  | Win    | nd direction will be mostly easterly   |
|  |        |  |
| ■ NDVI for Nagaland  |        | A CONTRACTOR OF THE PARTY OF TH |
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|  |        |  |

Agriculture vigour is moderate in parts of Nagaland

| Main Crops | Stage            | Pest/       | Agro-meteorological Advisories   |
|------------|------------------|-------------|--|
|            |                  | Diseases    |  |
| Jhum paddy | Post Harvesting  |             | Follow sanitation during drying, milling and after milling to avoid              |
|            | stage            |             | contamination of grains and protect from insects, rodents and birds.             |
| TRC/WRC    | Milk             | Grasshopper | It feeds irregularly on seedling and leaf blade and cuts the stem during the     |
| paddy      | development      |             | panicle stage. Bunds should be cleaned at regular interval.                      |
|            | stage            |             |  |
| Toria      | Land preparation | -           | Field preparation should be started for toria and arrangement for quality seeds  |
|            |                  |             | should be done. M-27, TS-36 and TS-38 are some of the varieties recommended      |
|            |                  |             | for our region   |
| Rabi maize | Land preparation |             | Land preparation should be started for rabi maize. It can be grown in all types  |
|            |                  |             | of soils having adequate provision of drainage. Field should be ploughed         |
|            |                  |             | properly so as to expose the pupae of red hairy caterpillar. Sow certified seeds |
|            |                  |             | from a reliable source to prevent seed rot and seedling blight. If one wants to  |
|            |                  |             | use his own seed, seed treatment is a must.                                      |

|   |                              | Some of the varieties recommended for our region are HQPM-1, Allrounder and RCM-76.   |
|---|------------------------------|---|
|   |                              |   |
| Use well dra  | ined soils, field sanitation | Horticultural crop  a should be maintained. Seed bed should be in good tilth, free from diseases and weeds.   |
| Citrus  |                              | Once fruit is stung it is too late for anything but planning for a better result nex year! You can check fruit for tiny dimples or weeping clear sap. Remove and destroy any stung fruit, it is more effective to do this straight away than picking up rotten fruit from the ground as the maggots may have already left the fruit to pupate   |
| Vegetables  |                              | Prepare nursery bed of 1 meter width and 20 meter length. Mix the seed with organic manure @ 40-50 kg per 10 square meters.  Damping off is the most common disease. Soil treatment with captaf before sowing.  For termites and cut worms. Application of Chlorpyriphos as soil treatment is recommended before sowing to control such insects.  Make a raised bed of 15-20cm higher from the surface level.  Mulching: Nursery mulching just after sowing with straw, dry grass is beneficial for moisture conservation and quick germination |
| Cauliflower,<br>cabbage,<br>broccoli, tomato  |                              | Transplanting of mature seedlings of cauliflower, cabbage, broccoli and tomate may also be done in raised bed. Recommended spacing should be maintained Before sowing, fully decomposed FYM or compost is advised in vegetable and other crops, as it improves the physical and biological properties of soil and thus increases the water retention capacity as well as nutrient status of the soil.   |
| Naga king chilli  | Harvesting stage             | Timely weeding and earthing up should be done Daily monitoring should be done for insect pest and need based neem oil should be spray   |
| Fruit trees   |                              | Farmers are advised for application of manure and fertilizer in orchards  |
| Ginger /<br>turmeric  | Maturity stage               | Field must be inspected daily for disease appearance. While inspecting, the healthy plants/plots must be marked and kept for planting in the next season Marking has to be done properly otherwise when plant matures and gets dried up it will be very difficult to find out the marked plots.   |
| Vaccination of  | animals should be done       | Livestock against out-break of major diseases. Provide clean and cool drinking water to the animals   |
| Poultry ✓ As the temperature is decreasing, the shed should be protected from cold wind by hanging curtain around the side of the wall or shed. |                              |   |

|                  |         | ✓ If possible there should be separate space for different age group of birds.  |
|------------------|---------|---|
|                  |         | ✓ Sick bird should be immediately separated/ culled from healthy flock.   |
|                  |         | ✓ Poultry equipments particularly waterer and feeder should be regularly cleaned and disinfected                              |
|                  | Piggery | ✓ Occurrence of most of the diseases can be prevented by following strict hygienic measure and by timely vaccination of pigs. |
|                  |         | ✓ A separate house should be there to keep the animals suffering from contagious diseases.                                    |
|                  |         | Fisheries   |
|                  |         | Clean the pond bottom and remove all debris   |
|                  |         | 2. Apply lime @ 10-15 kg/bigha along with Potassium permanganate (Potash) @ 4-5 mg per litre of water                         |
|                  |         | OR  |
| нар'янц<br>ІСА R |         | Apply lime @ 10-15 kg/bigha and then apply Sukrena W.S solution @ 500 ml per bigha  |

| Sl.no | Name             | Designation         | Department                        |                          |
|-------|------------------|---------------------|-----------------------------------|--------------------------|
| 1     | Dr.D.J. Rajkhowa | Principle Scientist | Agronomy                          | djrajkhowa@gmail.com     |
| 2     | Dr. L.K. Baishya | Senior Scientist    | Agronomy                          | lkbicar@gmail.com        |
| 3     | Ph. Romen Sharma | Scientist           | Agricultural Extension            | romen.agext@gmail.com    |
| 4     | Dr. Rajesha G    | Scientist           | Plant Pathology                   | rajeshag337@gmail.com    |
| 5     | Dr. Mahak Singh  | Scientist           | Animal Reproduction & Gynaecology | mahaksinghivri@gmail.com |
|       | Dr. Azeze Seyie  | Scientist           | Spices, Plantation & Medicinal &  |                          |
| 6     |                  |                     | Aromatic Plants                   | azezeseyie@yahoo.com     |
| 7     | Jyotish Barman   | Scientist           | Fisheries Resource Management     | jyotish5@gmail.com       |
| 8     | Aabon W Yanthan  | Scientist           | Vegetable Science                 | aabon.iari@gmail.com     |





# Integrated Agromet Advisory Service Bulletin from 11<sup>th</sup> to 15<sup>th</sup> Nov'17 Kiphire District

Bulletin No:88/2017

|  | Dunctin 110.00/2017  |
|--|--|
| Weather summary of the preceding week        | Weather forecast valid upto 15 <sup>th</sup> Nov'17  |
| ■ No rain occurred the past week             | Probability of no rain the coming week.  |
| ■ Maximum and minimum temperatures ranged    | ■ Max temp is likely to be 27 <sup>o</sup> C - 28 <sup>o</sup> C and the min temp 14 <sup>o</sup> C to 15 <sup>o</sup> C |
| 23°C to 25°C and 11°C to 13°C, respectively. | Sky is likely to be clear the coming week  |
| ■ Relative humidity varied from 26% to 88%.  | ■ Relative Humidity is likely to range from 16% to 92%.  |
| ■ Wind speed ranged from 3 to 4 kmph         | ■ Wind speed may reach upto 3-4 kmph   |
|  | Wind direction will be easterly  |
| ■ NDVI for Nagaland                          | Agriculture vigour is moderate in parts of Nagaland  |
|  | Field crops  |

| <b>Main Crops</b> | Stage                        | Pest/       | Agro-meteorological Advisories   |
|-------------------|------------------------------|-------------|--|
|                   |                              | Diseases    |  |
| Jhum paddy        | Post Harvesting stage        |             | Follow sanitation during drying, milling and after milling to avoid contamination of grains and protect from insects, rodents and birds.   |
| TRC/WRC paddy     | Milk<br>development<br>stage | Grasshopper | It feeds irregularly on seedling and leaf blade and cuts the stem during the panicle stage. Bunds should be cleaned at regular interval.   |
| Toria             | Land preparation             | -           | Field preparation should be started for <b>toria</b> and arrangement for quality seeds should be done. M-27, TS-36 and TS-38 are some of the varieties recommended for our region  |
| Rabi maize        | Land preparation             |             | Land preparation should be started for rabi maize. It can be grown in all types of soils having adequate provision of drainage. Field should be ploughed properly so as to expose the pupae of red hairy caterpillar. Sow certified seeds from a reliable source to prevent seed rot and seedling blight. If one wants to use his own seed, seed treatment is a must.  Some of the varieties recommended for our region are HQPM-1, Allrounder |

|   |                         |                | and RCM-76.   |
|---|-------------------------|----------------|---|
|   |                         |                |   |
| Use well dra                                    | ined soils, field sanit | ation should b | Horticultural crop  e maintained. Seed bed should be in good tilth, free from diseases and weeds.   |
| Citrus  | ,                       | Fruit flies    | Once fruit is stung it is too late for anything but planning for a better result next year! You can check fruit for tiny dimples or weeping clear sap. Remove and destroy any stung fruit, it is more effective to do this straight away than picking up rotten fruit from the ground as the maggots may have already left the fruit to pupate  |
| Vegetables                                      |                         |                | Prepare nursery bed of 1 meter width and 20 meter length. Mix the seed with organic manure @ 40-50 kg per 10 square meters.  Damping off is the most common disease. Soil treatment with captaf before sowing.  For termites and cut worms. Application of Chlorpyriphos as soil treatment is recommended before sowing to control such insects.  Make a raised bed of 15-20cm higher from the surface level.  Mulching: Nursery mulching just after sowing with straw, dry grass is beneficial for moisture conservation and quick germination |
| Cauliflower,<br>cabbage,<br>broccoli,<br>tomato |                         |                | Transplanting of mature seedlings of cauliflower, cabbage, broccoli and tomate may also be done in raised bed. Recommended spacing should be maintained Before sowing, fully decomposed FYM or compost is advised in vegetable and other crops, as it improves the physical and biological properties of soil and thus increases the water retention capacity as well as nutrient status of the soil.   |
| Naga king chilli                                | Harvesting stage        |                | Timely weeding and earthing up should be done Daily monitoring should be done for insect pest and need based neem oil should be spray   |
| Fruit trees                                     |                         |                | Farmers are advised for application of manure and fertilizer in orchards  |
| Ginger /<br>turmeric                            | Maturity stage          |                | Field must be inspected daily for disease appearance. While inspecting, the healthy plants/plots must be marked and kept for planting in the next season Marking has to be done properly otherwise when plant matures and gets dried up, it will be very difficult to find out the marked plots.  |
| Vaccination of                                  | animals should be       | one against ou | Livestock t-break of major diseases. Provide clean and cool drinking water to the animals   |

|                      | Poultry | <ul> <li>✓ As the temperature is decreasing, the shed should be protected from cold wind by hanging curtain around the side of the wall or shed.</li> <li>✓ If possible there should be separate space for different age group of birds.</li> <li>✓ Sick bird should be immediately separated/ culled from healthy flock.</li> <li>Poultry equipments particularly waterer and feeder should be regularly cleaned and disinfected</li> </ul> |
|----------------------|---------|--|
| vaccination of pigs. |         | <ul> <li>✓ Occurrence of most of the diseases can be prevented by following strict hygienic measure and by timely vaccination of pigs.</li> <li>✓ A separate house should be there to keep the animals suffering from contagious diseases.</li> </ul>  |
|                      |         | Fisheries  |
| ыфзыц<br>ІСАК        |         | <ol> <li>Clean the pond bottom and remove all debris</li> <li>Apply lime @ 10-15 kg/bigha along with Potassium permanganate (Potash) @ 4-5 mg per litre of water OR         Apply lime @ 10-15 kg/bigha and then apply Sukrena W.S solution @ 500 ml per bigha     </li> </ol>   |

| Sl.no   | Name             | Designation                   | Department                       |                       |
|---|------------------|-------------------------------|----------------------------------|-----------------------|
| 1   | Dr.D.J. Rajkhowa | Principle Scientist           | Agronomy                         | djrajkhowa@gmail.com  |
| 2   | Dr. L.K. Baishya | Senior Scientist              | Agronomy                         | lkbicar@gmail.com     |
| 3   | Ph. Romen Sharma | Scientist                     | Agricultural Extension           | romen.agext@gmail.com |
| 4   | Dr. Rajesha G    | Scientist                     | Plant Pathology                  | rajeshag337@gmail.com |
| 5 Dr. Mahak Singh Scientist Animal Reproduction & Gynaecology |                  | mahaksinghivri@gmail.com      |                                  |                       |
|   | Dr. Azeze Seyie  | Scientist                     | Spices, Plantation & Medicinal & |                       |
| 6   |                  |                               | Aromatic Plants                  | azezeseyie@yahoo.com  |
| 7 Jyotish Barman Scientist Fisheries Res                      |                  | Fisheries Resource Management | jyotish5@gmail.com               |                       |
| 8   | Aabon W Yanthan  | Scientist                     | Vegetable Science                | aabon.iari@gmail.com  |



### Integrated Agromet Advisory Service Bulletin from 11<sup>th</sup> to 15<sup>th</sup> Nov'17 Kohima District

**Bulletin No:88/2017** 

| Weather summary of the preceding week   | Weather forecast valid upto 15 <sup>th</sup> Nov'17  |
|---|--|
| Light rain occurred the past week   | Probability of no rain the coming week.  |
| ■ Maximum and minimum temperatures ranged 21  | ■ Max temp is likely to be $20^{\circ}$ C - $25^{\circ}$ C and the min temp $10^{\circ}$ C to $11^{\circ}$ C |
| <sup>0</sup> C to 22 <sup>0</sup> C and 14 <sup>0</sup> C to 15 <sup>0</sup> C, respectively. | Sky is likely to be clear the coming week  |
| Relative humidity varied from 37% to 95%.   | ■ Relative Humidity is likely to range from 26% to 93%.  |
| ■ Wind speed ranged from 3 to 4 kmph  | ■ Wind speed may reach upto 3-4 kmph   |
|   | Wind direction will be mostly easterly   |
| ■ NDVI for Nagaland   | Agriculture vigour is moderate in parts of Nagaland  |

| <b>Main Crops</b>             | Main Crops Stage Pest/ |             | Agro-meteorological Advisories  |  |
|-------------------------------|------------------------|-------------|---|--|
|                               |                        | Diseases    |   |  |
| Jhum paddy                    | Post Harvesting        |             | Follow sanitation during drying, milling and after milling to avoid       |  |
|                               | stage                  |             | contamination of grains and protect from insects, rodents and birds.      |  |
| TRC/WRC                       | Milk                   | Grasshopper | It feeds irregularly on seedling and leaf blade and cuts the stem during  |  |
| paddy                         | development            |             | the panicle stage. Bunds should be cleaned at regular interval.           |  |
|                               | stage                  |             |   |  |
| Toria                         | Land preparation       | -           | Field preparation should be started for toria and arrangement for quality |  |
|                               |                        |             | seeds should be done. M-27, TS-36 and TS-38 are some of the varieties     |  |
|                               |                        |             | recommended for our region  |  |
| Rabi maize Land preparation L |                        |             | Land preparation should be started for rabi maize. It can be grown in all |  |
|                               |                        |             | types of soils having adequate provision of drainage. Field should be     |  |
|                               |                        |             | ploughed properly so as to expose the pupae of red hairy caterpillar. Sow |  |

|   |                           |                 | certified seeds from a reliable source to prevent seed rot and seedling blight. If one wants to use his own seed, seed treatment is a must.  Some of the varieties recommended for our region are HQPM-1, Allrounder and RCM-76.  |
|---|---------------------------|-----------------|---|
| Use well drai                                   | ined soils, field sanitat | ion should be r | Horticultural crop naintained. Seed bed should be in good tilth, free from diseases and weeds.  |
| Citrus  |                           | Fruit flies     | Once fruit is stung it is too late for anything but planning for a better result next year! You can check fruit for tiny dimples or weeping clear sap. Remove and destroy any stung fruit, it is more effective to do this straight away than picking up rotten fruit from the ground as the maggots may have already left the fruit to pupate  |
| Vegetables                                      |                           |                 | Prepare nursery bed of 1 meter width and 20 meter length. Mix the seed with organic manure @ 40-50 kg per 10 square meters.  Damping off is the most common disease. Soil treatment with captaf before sowing.  For termites and cut worms. Application of Chlorpyriphos as soil treatment is recommended before sowing to control such insects.  Make a raised bed of 15-20cm higher from the surface level.  Mulching: Nursery mulching just after sowing with straw, dry grass is beneficial for moisture conservation and quick germination |
| Cauliflower,<br>cabbage,<br>broccoli,<br>tomato |                           |                 | Transplanting of mature seedlings of cauliflower, cabbage, broccoli and tomato may also be done in raised bed. Recommended spacing should be maintained. Before sowing, fully decomposed FYM or compost is advised in vegetable and other crops, as it improves the physical and biological properties of soil and thus increases the water retention capacity as well as nutrient status of the soil.  |
| Naga king<br>chilli                             | Harvesting stage          |                 | Timely weeding and earthing up should be done Daily monitoring should be done for insect pest and need based neem oil should be spray   |
| Fruit trees                                     |                           |                 | Farmers are advised for application of manure and fertilizer in orchards  |
| Ginger /<br>turmeric                            | Maturity stage            |                 | Field must be inspected daily for disease appearance. While inspecting, the healthy plants/plots must be marked and kept for planting in the next season. Marking has to be done properly otherwise when plant matures and gets dried up, it will be very difficult to find out the marked plots.   |

|  | Livestock   |  |  |  |
|--|---|--|--|--|
|  | Vaccination of animals should be done against out-break of major diseases. Provide clean and cool drinking water to the               |  |  |  |
|  | animals   |  |  |  |
|  | Poultry   | ✓ As the temperature is decreasing, the shed should be protected from cold wind by hanging curtain |  |  |
|  |   | around the side of the wall or shed.   |  |  |
|  |   | ✓ If possible there should be separate space for different age group of birds.                     |  |  |
|  |   | ✓ Sick bird should be immediately separated/ culled from healthy flock.                            |  |  |
|  |   | Poultry equipments particularly waterer and feeder should be regularly cleaned and disinfected     |  |  |
|  | <i>Piggery</i> ✓ Occurrence of most of the diseases can be prevented by following strict hygienic measure timely vaccination of pigs. |  |  |  |
|  | ✓ A separate house should be there to keep the animals suffering from contagious diseases.  |  |  |  |
|  | Fisheries   |  |  |  |
|  |   | Clean the pond bottom and remove all debris  |  |  |
| \\\\\-\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\ | 2. Apply lime @ 10-15 kg/bigha along with Potassium permanganate (Potash) @ 4-5 mg g  |  |  |  |
|  | water   |  |  |  |
|  |   | OR   |  |  |
|  |   | Apply lime @ 10-15 kg/bigha and then apply Sukrena W.S solution @ 500 ml per bigha                 |  |  |
| ICAR                                   |   | Tippij inito e 10 13 kg/oigha and then apply baktena 11.5 solution e 300 mi per oigha              |  |  |

| Sl.no | Name             | Designation         | Department                        |                          |
|-------|------------------|---------------------|-----------------------------------|--------------------------|
| 1     | Dr.D.J. Rajkhowa | Principle Scientist | Agronomy                          | djrajkhowa@gmail.com     |
| 2     | Dr. L.K. Baishya | Senior Scientist    | Agronomy                          | lkbicar@gmail.com        |
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| 6     |                  |                     | Aromatic Plants                   | azezeseyie@yahoo.com     |

| 7 | Jyotish Barman  | Scientist | Fisheries Resource Management | jyotish5@gmail.com   |
|---|-----------------|-----------|-------------------------------|----------------------|
| 8 | Aabon W Yanthan | Scientist | Vegetable Science             | aabon.iari@gmail.com |



## Integrated Agromet Advisory Service Bulletin from 11<sup>th</sup> to 15<sup>th</sup> Nov'17 Longleng District

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| Weather forecast valid upto 15 <sup>th</sup> Nov'17  |
| Probability of no rain the coming week.  |
| ■ Max temp is likely to be $26^{\circ}$ C - $27^{\circ}$ C and the min temp $13^{\circ}$ C to $14^{\circ}$ C |
| Sky is likely to be clear the coming week  |
| ■ <b>Relative Humidity</b> is likely to range from 34% to 90%.   |
| ■ Wind speed may reach upto 3-4 kmph   |
| Wind direction will be southeasterly   |
| Agriculture vigour is moderate in parts of Nagaland  |
|  |

| Main          | Stage                  | Pest/       | Agro-meteorological Advisories   |
|---------------|------------------------|-------------|--|
| Crops         |                        | Diseases    |  |
| Jhum paddy    | Post Harvesting stage  |             | Follow sanitation during drying, milling and after milling to avoid contamination of grains and protect from insects, rodents and birds.   |
| TRC/WRC paddy | Milk development stage | Grasshopper | It feeds irregularly on seedling and leaf blade and cuts the stem during the panicle stage. Bunds should be cleaned at regular interval.   |
| Toria         | Land preparation       | -           | Field preparation should be started for <b>toria</b> and arrangement for quality seeds should be done. M-27, TS-36 and TS-38 are some of the varieties recommended for our region  |
| Rabi maize    | Land preparation       |             | Land preparation should be started for rabi maize. It can be grown in all types of soils having adequate provision of drainage. Field should be ploughed properly so as to expose the pupae of red hairy caterpillar. Sow certified seeds from a reliable source to prevent seed |

| <u> </u>   |
|--|
| rot and seedling blight. If one wants to use his own seed, seed treatment is a must.   |
| Some of the varieties recommended for our region are HQPM-1 Allrounder and RCM-76.   |
|  |
| Horticultural crop e maintained. Seed bed should be in good tilth, free from diseases and weeds.   |
| Des Once fruit is stung it is too late for anything but planning for a better result next year! You can check fruit for tiny dimples or weeping clear sap. Remove and destroy any stung fruit, it is more effective to do this straight away than picking up rotten fruit from the ground as the maggot may have already left the fruit to pupate  |
| Prepare nursery bed of 1 meter width and 20 meter length. Mix the see with organic manure @ 40-50 kg per 10 square meters.  Damping off is the most common disease. Soil treatment with capta before sowing.  For termites and cut worms. Application of Chlorpyriphos as so treatment is recommended before sowing to control such insects.  Make a raised bed of 15-20cm higher from the surface level.  Mulching: Nursery mulching just after sowing with straw, dry grass beneficial for moisture conservation and quick germination |
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| Farmers are advised for application of manure and fertilizer in orchards   |
| Field must be inspected daily for disease appearance. While inspecting the healthy plants/plots must be marked and kept for planting in the next season. Marking has to be done properly otherwise when plant mature and gets dried up, it will be very difficult to find out the marked plots.  |
|  |

|      | Vaccination of a   | nimals should be done against out-break of major diseases. Provide clean and cool drinking water to the animals |  |  |
|------|--|---|--|--|
|      | Poultry ✓ As the temperature is decreasing, the shed should be protected from cold wind by hanging of around the side of the wall or shed. |   |  |  |
|      | ✓ If possible there should be separate space for different age group of birds.   |   |  |  |
|      |  | ✓ Sick bird should be immediately separated/ culled from healthy flock.   |  |  |
|      |  | Poultry equipments particularly waterer and feeder should be regularly cleaned and disinfected                  |  |  |
|      | <i>Piggery</i> ✓ Occurrence of most of the diseases can be prevented by following strict hygienic measure timely vaccination of pigs.      |   |  |  |
|      |  | ✓ A separate house should be there to keep the animals suffering from contagious diseases.                      |  |  |
|      |  | Fisheries   |  |  |
| \\\\ | Clean the pond bottom and remove all debris  |   |  |  |
|      | 2. Apply lime @ 10-15 kg/bigha along with Potassium permanganate (Potash) @ 4-5 mg per litre water   |   |  |  |
|      | OR   |   |  |  |
| ICAR |  | Apply lime @ 10-15 kg/bigha and then apply Sukrena W.S solution @ 500 ml per bigha                              |  |  |

| Sl.no | Name             | Designation         | Department                        |                          |
|-------|------------------|---------------------|-----------------------------------|--------------------------|
| 1     | Dr.D.J. Rajkhowa | Principle Scientist | Agronomy                          | djrajkhowa@gmail.com     |
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# Integrated Agromet Advisory Service Bulletin from 11<sup>th</sup> to 15<sup>th</sup> Nov'17 Mokokchung District

**Bulletin No:88/2017** 

|  |              | Duneum 110:00/2017  |
|--|--------------|---|
| Weather summary of the preceding week  |              | Weather forecast valid upto 15 <sup>th</sup> Nov'17   |
| ■ No rain occurred the past week   |              | obability of no rain the coming week.   |
| ■ Maximum and minimum temperatures ranged  | • <b>M</b> a | ax temp is likely to be $25^{\circ}$ C - $28^{\circ}$ C and the min temp $15^{\circ}$ C to $16^{\circ}$ C |
| 24 <sup>o</sup> C to 26 <sup>o</sup> C and 14 <sup>o</sup> C to 15 <sup>o</sup> C, respectively. | - Sk         | y is likely to be clear the coming week   |
| ■ Relative humidity varied from 42% to 90%.  | • Re         | elative Humidity is likely to range from 38% to 90%.  |
| ■ Wind speed ranged from 3 to 5 kmph   | • W          | ind speed may reach upto 2- 5 kmph  |
| . 0  | W            | ind direction will be southeasterly   |
| ■ NDVI for Nagaland  |              | Agriculture vigour is moderate in parts of Nagaland   |
|  |              |   |
|  |              | Field arons   |

| Main          | Stage                  | Pest/       | Agro-meteorological Advisories  |
|---------------|------------------------|-------------|---|
| Crops         |                        | Diseases    |   |
| Jhum paddy    | Post Harvesting stage  |             | Follow sanitation during drying, milling and after milling to avoid contamination of grains and protect from insects, rodents and birds.  |
| TRC/WRC paddy | Milk development stage | Grasshopper | It feeds irregularly on seedling and leaf blade and cuts the stem during the panicle stage. Bunds should be cleaned at regular interval.  |
| Toria         | Land preparation       | -           | Field preparation should be started for <b>toria</b> and arrangement for quality seeds should be done. M-27, TS-36 and TS-38 are some of the varieties recommended for our region   |
| Rabi maize    | Land preparation       |             | Land preparation should be started for rabi maize. It can be grown in all types of soils having adequate provision of drainage. Field should be ploughed properly so as to expose the pupae of red hairy caterpillar. Sow certified seeds from a reliable source to prevent seed rot and seedling blight. If one wants to |

|   |                         |   | use his own seed, seed treatment is a must.   |
|---|-------------------------|---|---|
|   |                         |   | Some of the varieties recommended for our region are HQPM-1, Allrounder and RCM-76.   |
|   |                         |   | апа ксм-70.   |
|   |                         |   |   |
| Use well d                                      | rained soils, field san | itation should be   | Horticultural crop e maintained. Seed bed should be in good tilth, free from diseases and weeds.  |
| Citrus  |                         | Fruit flies   | Once fruit is stung it is too late for anything but planning for a better result next year! You can check fruit for tiny dimples or weeping clear sap. Remove and destroy any stung fruit, it is more effective to do this straight away than picking up rotten fruit from the ground as the maggots may have already left the fruit to pupate  |
| Vegetables                                      |                         |   | Prepare nursery bed of 1 meter width and 20 meter length. Mix the seed with organic manure @ 40-50 kg per 10 square meters.  Damping off is the most common disease. Soil treatment with captaf before sowing.  For termites and cut worms. Application of Chlorpyriphos as soil treatment is recommended before sowing to control such insects.  Make a raised bed of 15-20cm higher from the surface level.  Mulching: Nursery mulching just after sowing with straw, dry grass is beneficial for moisture conservation and quick germination |
| Cauliflower,<br>cabbage,<br>broccoli,<br>tomato |                         |   | Transplanting of mature seedlings of cauliflower, cabbage, broccoli and tomato may also be done in raised bed. Recommended spacing should be maintained. Before sowing, fully decomposed FYM or compost is advised in vegetable and other crops, as it improves the physical and biological properties of soil and thus increases the water retention capacity as well as nutrient status of the soil.  |
| Naga king<br>chilli                             | Harvesting stage        | Timely weeding and earthing up should be done Daily monitoring should be done for insect pest and need based neem oil should be spray |   |
| Fruit trees                                     |                         |   | Farmers are advised for application of manure and fertilizer in orchards  |
| Ginger /<br>turmeric                            | Maturity stage          |   | Field must be inspected daily for disease appearance. While inspecting, the healthy plants/plots must be marked and kept for planting in the next season. Marking has to be done properly otherwise when plant matures and gets dried up, it will be very difficult to find out the marked plots.   |
| <b>X</b> 7                                      | C ' 1 1 111             | 1   | Livestock   |
| Poultry   |                         | erature is decrea   | t-break of major diseases. Provide clean and cool drinking water to the animals sing, the shed should be protected from cold wind by hanging curtain around the   |

|                 |         | ✓ If possible there should be separate space for different age group of birds.   |  |  |
|-----------------|---------|--|--|--|
|                 |         | ✓ Sick bird should be immediately separated/ culled from healthy flock.  |  |  |
|                 |         | Poultry equipments particularly waterer and feeder should be regularly cleaned and disinfected                           |  |  |
|                 | Piggery | Occurrence of most of the diseases can be prevented by following strict hygienic measure and by the vaccination of pigs. |  |  |
|                 |         | ✓ A separate house should be there to keep the animals suffering from contagious diseases.                               |  |  |
|                 |         | Fisheries Fisheries  |  |  |
| 1111            |         | 1. Clean the pond bottom and remove all debris   |  |  |
|                 |         | 2. Apply lime @ 10-15 kg/bigha along with Potassium permanganate (Potash) @ 4-5 mg per litre of water OR                 |  |  |
| наранц<br>ІСА R |         | Apply lime @ 10-15 kg/bigha and then apply Sukrena W.S solution @ 500 ml per bigha                                       |  |  |

| Sl.no                       | Name                              | Designation         | Department                        |                          |
|-----------------------------|-----------------------------------|---------------------|-----------------------------------|--------------------------|
| 1                           | Dr.D.J. Rajkhowa                  | Principle Scientist | Agronomy                          | djrajkhowa@gmail.com     |
| 2                           | Dr. L.K. Baishya Senior Scientist |                     | Agronomy                          | lkbicar@gmail.com        |
| 3                           | 3 Ph. Romen Sharma Scientist      |                     | Agricultural Extension            | romen.agext@gmail.com    |
| 4                           | 4 Dr. Rajesha G Scientist         |                     | Plant Pathology                   | rajeshag337@gmail.com    |
| 5                           | Dr. Mahak Singh Scientist         |                     | Animal Reproduction & Gynaecology | mahaksinghivri@gmail.com |
|                             | Dr. Azeze Seyie Scientist         |                     | Spices, Plantation & Medicinal &  |                          |
| 6                           | 6                                 |                     | Aromatic Plants                   | azezeseyie@yahoo.com     |
| 7                           | 7 Jyotish Barman Scientist        |                     | Fisheries Resource Management     | jyotish5@gmail.com       |
| 8 Aabon W Yanthan Scientist |                                   | Scientist           | Vegetable Science                 | aabon.iari@gmail.com     |



## Integrated Agromet Advisory Service Bulletin from 11<sup>th</sup> to 15<sup>th</sup> Nov'17 Mon District

**Bulletin No:88/2017** 

| <ul> <li>Weather forecast valid upto 15<sup>th</sup> Nov'17</li> <li>Probability of no rain the coming week.</li> <li>Max temp is likely to be 26<sup>o</sup>C - 27<sup>o</sup>C and the min temp 13<sup>o</sup>C to 14<sup>o</sup>C</li> <li>Sky is likely to be clear the coming week</li> </ul> |
|--|
| ■ Max temp is likely to be $26^{\circ}$ C - $27^{\circ}$ C and the min temp $13^{\circ}$ C to $14^{\circ}$ C   |
|  |
| Sky is likely to be clear the coming week  |
| - Sky is likely to be clear the conning week   |
| ■ Relative Humidity is likely to range from 34% to 90%.  |
| ■ Wind speed may reach upto 5- 6 kmph  |
| Wind direction will be southeasterly   |
| Agriculture vigour is moderate in parts of Nagaland  |
|  |

| Main Stage Pest/ |                              | Pest/       | Agro-meteorological Advisories  |  |
|------------------|------------------------------|-------------|---|--|
| Crops            |                              | Diseases    |   |  |
| Jhum paddy       | Post Harvesting stage        |             | Follow sanitation during drying, milling and after milling to avoid contamination of grains and protect from insects, rodents and birds.  |  |
| TRC/WRC paddy    | Milk<br>development<br>stage | Grasshopper | It feeds irregularly on seedling and leaf blade and cuts the stem during the panicle stage. Bunds should be cleaned at regular interval.  |  |
| Toria            | Land preparation             | -           | Field preparation should be started for <b>toria</b> and arrangement for quality seeds should be done. M-27, TS-36 and TS-38 are some of the varieties recommended for our region   |  |
| Rabi maize       | Land preparation             |             | Land preparation should be started for rabi maize. It can be grown in all types of soils having adequate provision of drainage. Field should be ploughed properly so as to expose the pupae of red hairy caterpillar. Sow |  |

|   |                         |                  | certified seeds from a reliable source to prevent seed rot and seedling blight. If one wants to use his own seed, seed treatment is a must.  Some of the varieties recommended for our region are HQPM-1, Allrounder and RCM-76.  |
|---|-------------------------|------------------|---|
| Use well dr                                     | ained soils, field sani | tation should be | Horticultural crop e maintained. Seed bed should be in good tilth, free from diseases and weeds.  |
| Citrus  |                         | Fruit flies      | Once fruit is stung it is too late for anything but planning for a better result next year! You can check fruit for tiny dimples or weeping clear sap. Remove and destroy any stung fruit, it is more effective to do this straight away that picking up rotten fruit from the ground as the maggots may have already left the fruit to pupate  |
| Vegetables                                      |                         |                  | Prepare nursery bed of 1 meter width and 20 meter length. Mix the seed with organic manure @ 40-50 kg per 10 square meters.  Damping off is the most common disease. Soil treatment with captaf before sowing.  |
|   |                         |                  | For termites and cut worms. Application of Chlorpyriphos as soil treatment is recommended before sowing to control such insects.  Make a raised bed of 15-20cm higher from the surface level.  Mulching: Nursery mulching just after sowing with straw, dry grass is beneficial for moisture conservation and quick germination   |
| Cauliflower,<br>cabbage,<br>broccoli,<br>tomato |                         |                  | Transplanting of mature seedlings of cauliflower, cabbage, broccoli and tomato may also be done in raised bed. Recommended spacing should be maintained. Before sowing, fully decomposed FYM or compost is advised in vegetable and other crops, as it improves the physical and biological properties of soil and thus increases the water retention capacity as well a nutrient status of the soil. |
| Naga king<br>chilli                             | Harvesting stage        |                  | Timely weeding and earthing up should be done  Daily monitoring should be done for insect pest and need based neem oil should be spray  |
| Fruit trees                                     |                         |                  | Farmers are advised for application of manure and fertilizer in orchards  |
| Ginger /<br>turmeric                            | Maturity stage          |                  | Field must be inspected daily for disease appearance. While inspecting, the healthy plants/plots must be marked and kept for planting in the next season Marking has to be done properly otherwise when plant matures and get dried up, it will be very difficult to find out the marked plots.   |
| Vaccination of                                  | of animals should be    | done against ou  | Livestock t-break of major diseases. Provide clean and cool drinking water to the animals   |

|               | Poultry | ✓ As the temperature is decreasing, the shed should be protected from cold wind by hanging curtain around the side of the wall or shed.   |  |  |
|---------------|---------|---|--|--|
|               |         | ✓ If possible there should be separate space for different age group of birds.  |  |  |
|               |         | <ul> <li>Sick bird should be immediately separated/ culled from healthy flock.</li> <li>Poultry equipments particularly waterer and feeder should be regularly cleaned and disinfected</li> </ul> |  |  |
|               | Piggery | Occurrence of most of the diseases can be prevented by following strict hygienic measure and by timely vaccination of pigs.   |  |  |
|               |         | ✓ A separate house should be there to keep the animals suffering from contagious diseases.  |  |  |
|               |         | Fisheries   |  |  |
|               |         | <ol> <li>Clean the pond bottom and remove all debris</li> <li>Apply lime @ 10-15 kg/bigha along with Potassium permanganate (Potash) @ 4-5 mg per litre of water</li> </ol>                       |  |  |
| нфэнц<br>ICAR |         | OR Apply lime @ 10-15 kg/bigha and then apply Sukrena W.S solution @ 500 ml per bigha   |  |  |

| Sl.no                            | Name                                | Designation         | Department                        |                          |
|----------------------------------|-------------------------------------|---------------------|-----------------------------------|--------------------------|
| 1                                | Dr.D.J. Rajkhowa                    | Principle Scientist | Agronomy                          | djrajkhowa@gmail.com     |
| 2                                | 2 Dr. L.K. Baishya Senior Scientist |                     | Agronomy                          | lkbicar@gmail.com        |
| 3                                | 3 Ph. Romen Sharma Scientist        |                     | Agricultural Extension            | romen.agext@gmail.com    |
| 4                                | Dr. Rajesha G Scientist             |                     | Plant Pathology                   | rajeshag337@gmail.com    |
| 5                                | Dr. Mahak Singh                     | Scientist           | Animal Reproduction & Gynaecology | mahaksinghivri@gmail.com |
|                                  | Dr. Azeze Seyie Scientist           |                     | Spices, Plantation & Medicinal &  |                          |
| 6                                | 6                                   |                     | Aromatic Plants                   | azezeseyie@yahoo.com     |
| 7                                | 7 Jyotish Barman Scientist          |                     | Fisheries Resource Management     | jyotish5@gmail.com       |
| 8 Aabon W Yanthan Scientist Vege |                                     | Vegetable Science   | aabon.iari@gmail.com              |                          |





### Integrated Agromet Advisory Service Bulletin from 11<sup>th</sup> to 15<sup>th</sup> Nov'17 Peren District

**Bulletin No:88/2017** 

|  | Duneum 110.00/2017   |
|--|--|
| Weather summary of the preceding week                                | Weather forecast valid upto 15 <sup>th</sup> Nov'17  |
| ■ No rain occurred the past week                                     | ■ Probability of no rain the coming week.  |
| <ul><li>Maximum and minimum temperatures ranged</li></ul>            | ■ Max temp is likely to be $26^{\circ}$ C - $27^{\circ}$ C and the min temp $12^{\circ}$ C to $14^{\circ}$ C |
| $22^{0}$ C to $24^{0}$ C and $12^{0}$ C to $14^{0}$ C, respectively. | • Sky is likely to be mainly clear the coming week   |
| ■ Relative humidity varied from 39% to 95%.                          | ■ Relative Humidity is likely to range from 32% to 92%.  |
| ■ Wind speed ranged from 3 to 4 kmph                                 | ■ Wind speed may reach upto 3-4 kmph   |
|  | Wind direction will be mostly southeasterly  |
| ■ NDVI for Nagaland  | Agriculture vigour is moderate in parts of Nagaland  |
|  |  |

| Main Crops | Stage             | Pest/     | Agro-meteorological Advisories  |
|------------|-------------------|-----------|---|
|            |                   | Diseases  |   |
| Jhum paddy | Post Harvesting   |           | Follow sanitation during drying, milling and after milling to avoid             |
|            | stage             |           | contamination of grains and protect from insects, rodents and birds.            |
| TRC/WRC    | Milk              | Grasshopp | It feeds irregularly on seedling and leaf blade and cuts the stem during the    |
| paddy      | development       | er        | panicle stage. Bunds should be cleaned at regular interval.                     |
|            | stage             |           |   |
| Toria      | Land              | -         | Field preparation should be started for toria and arrangement for quality       |
|            | preparation       |           | seeds should be done. M-27, TS-36 and TS-38 are some of the varieties           |
|            | 1 1               |           | recommended for our region  |
| Rabi maize | Rabi maize Land L |           | Land preparation should be started for rabi maize. It can be grown in all       |
|            | preparation       |           | types of soils having adequate provision of drainage. Field should be           |
|            |                   |           | ploughed properly so as to expose the pupae of red hairy caterpillar. Sow       |
|            |                   |           | certified seeds from a reliable source to prevent seed rot and seedling blight. |

|  |                         |               | If one wants to use his own seed, seed treatment is a must.  Some of the varieties recommended for our region are HQPM-1, Allrounde and RCM-76.   |
|--|-------------------------|---------------|---|
|  |                         |               |   |
| Use well draine                                  | ed soils, field sanitat | ion should b  | Horticultural crop be maintained. Seed bed should be in good tilth, free from diseases and weeds.   |
| Citrus   |                         | Fruit flies   | Once fruit is stung it is too late for anything but planning for a better resunent year! You can check fruit for tiny dimples or weeping clear sap. Removand destroy any stung fruit, it is more effective to do this straight away that picking up rotten fruit from the ground as the maggots may have already let the fruit to pupate  |
| Vegetables                                       |                         |               | Prepare nursery bed of 1 meter width and 20 meter length. Mix the seed with organic manure @ 40-50 kg per 10 square meters.  Damping off is the most common disease. Soil treatment with captaf before sowing.  For termites and cut worms. Application of Chlorpyriphos as soil treatment recommended before sowing to control such insects.  Make a raised bed of 15-20cm higher from the surface level.  Mulching: Nursery mulching just after sowing with straw, dry grass beneficial for moisture conservation and quick germination |
| Cauliflower,<br>cabbage,<br>broccoli ,<br>tomato |                         |               | Transplanting of mature seedlings of cauliflower, cabbage, broccoli are tomato may also be done in raised bed. Recommended spacing should be maintained. Before sowing, fully decomposed FYM or compost is advised a vegetable and other crops, as it improves the physical and biological properties of soil and thus increases the water retention capacity as well a nutrient status of the soil.  |
| Naga king chilli                                 | Harvesting stage        |               | Timely weeding and earthing up should be done Daily monitoring should be done for insect pest and need based neem oil should be spray   |
| Fruit trees                                      |                         |               | Farmers are advised for application of manure and fertilizer in orchards  |
| Ginger /<br>turmeric                             | Maturity stage          |               | Field must be inspected daily for disease appearance. While inspecting, the healthy plants/plots must be marked and kept for planting in the next season. Marking has to be done properly otherwise when plant matures and gets dried up, it will be very difficult to find out the marked plots.   |
| Vaccination of ar                                | nimals should be do     | ne against ou | Livestock  at-break of major diseases. Provide clean and cool drinking water to the animal  |

|                 | Poultry   | ✓ As the temperature is decreasing, the shed should be protected from cold wind by hanging curtain around the side of the wall or shed. |  |  |
|-----------------|-----------|---|--|--|
|                 |           | ✓ If possible there should be separate space for different age group of birds.  |  |  |
|                 |           | ✓ Sick bird should be immediately separated/ culled from healthy flock.   |  |  |
|                 |           | Poultry equipments particularly waterer and feeder should be regularly cleaned and disinfected  |  |  |
|                 | Piggery   | ✓ Occurrence of most of the diseases can be prevented by following strict hygienic measure and by timely vaccination of pigs.           |  |  |
|                 |           | ✓ A separate house should be there to keep the animals suffering from contagious diseases.  |  |  |
| ніф'янц<br>ІСАК | Fisheries |   |  |  |
|                 |           | 1. Clean the pond bottom and remove all debris  |  |  |
|                 |           | 2. Apply lime @ 10-15 kg/bigha along with Potassium permanganate (Potash) @ 4-5 mg per litre of water                                   |  |  |
|                 |           | OR  |  |  |
|                 |           | Apply lime @ 10-15 kg/bigha and then apply Sukrena W.S solution @ 500 ml per bigha  |  |  |

| Sl.no | Name             | Designation         | Department                        |                          |
|-------|------------------|---------------------|-----------------------------------|--------------------------|
| 1     | Dr.D.J. Rajkhowa | Principle Scientist | Agronomy                          | djrajkhowa@gmail.com     |
| 2     | Dr. L.K. Baishya | Senior Scientist    | Agronomy                          | lkbicar@gmail.com        |
| 3     | Ph. Romen Sharma | Scientist           | Agricultural Extension            | romen.agext@gmail.com    |
| 4     | Dr. Rajesha G    | Scientist           | Plant Pathology                   | rajeshag337@gmail.com    |
| 5     | Dr. Mahak Singh  | Scientist           | Animal Reproduction & Gynaecology | mahaksinghivri@gmail.com |
|       | Dr. Azeze Seyie  | Scientist           | Spices, Plantation & Medicinal &  |                          |
| 6     |                  |                     | Aromatic Plants                   | azezeseyie@yahoo.com     |
| 7     | Jyotish Barman   | Scientist           | Fisheries Resource Management     | jyotish5@gmail.com       |
| 8     | Aabon W Yanthan  | Scientist           | Vegetable Science                 | aabon.iari@gmail.com     |





## Integrated Agromet Advisory Service Bulletin from 11<sup>th</sup> to 15<sup>th</sup> Nov'17 Phek District

**Bulletin No:88/2017** 

| Weather summary of the preceding week       | Weather forecast valid upto 15 <sup>th</sup> Nov'17  |  |  |
|---|--|--|--|
| ■ No rain occurred the past week            | <ul> <li>Probability of no rain the coming week.</li> </ul>  |  |  |
| ■ Maximum and minimum temperatures          | ■ Max temp is likely to be 25 <sup>o</sup> C - 26 <sup>o</sup> C and the min temp 12 <sup>o</sup> C to 13 <sup>o</sup> C |  |  |
| ranged 22°C to 23°C and 11°C to 12°C        | Sky is likely to be clear the coming week  |  |  |
| respectively.                               | ■ Relative Humidity is likely to range from 25% to 95%.  |  |  |
| ■ Relative humidity varied from 30% to 95%. | ■ Wind speed may reach upto 2- 4 kmph  |  |  |
| ■ Wind speed ranged from 1 to 2 kmph        | Wind direction will be mostly southeasterly  |  |  |
|   |  |  |  |
| ■ NDVI for Nagaland                         | Agriculture vigour is moderate in parts of Nagaland  |  |  |
|   | Field crops  |  |  |

| Main       | Stage           | Pest/       | Agro-meteorological Advisories   |
|------------|-----------------|-------------|--|
| Crops      |                 | Diseases    |  |
| Jhum paddy | Post Harvesting |             | Follow sanitation during drying, milling and after milling to avoid contamination of |
|            | stage           |             | grains and protect from insects, rodents and birds.                                  |
| TRC/WRC    | Milk            | Grasshopper | It feeds irregularly on seedling and leaf blade and cuts the stem during the panicle |
| paddy      | development     |             | stage. Bunds should be cleaned at regular interval.                                  |
|            | stage           |             |  |
| Toria      | Land            | -           | Field preparation should be started for toria and arrangement for quality seeds      |
|            | preparation     |             | should be done. M-27, TS-36 and TS-38 are some of the varieties recommended for      |
|            | • •             |             | our region   |

| Rabi maize                             | Land preparation         |                 | Land preparation should be started for rabi maize. It can be grown in all types of soils having adequate provision of drainage. Field should be ploughed properly so as to expose the pupae of red hairy caterpillar. Sow certified seeds from a reliable source to prevent seed rot and seedling blight. If one wants to use his own seed, seed treatment is a must.  Some of the varieties recommended for our region are HQPM-1, Allrounder and RCM-76.   |
|--|--------------------------|-----------------|--|
| Use we                                 | ell drained soils, field | sanitation shou | Horticultural crop  ald be maintained. Seed bed should be in good tilth, free from diseases and weeds.   |
| Citrus                                 |                          | Fruit flies     | Once fruit is stung it is too late for anything but planning for a better result next year! You can check fruit for tiny dimples or weeping clear sap. Remove and destroy any stung fruit, it is more effective to do this straight away than picking up rotten fruit from the ground as the maggots may have already left the fruit to pupate   |
| Vegetables                             |                          |                 | Prepare nursery bed of 1 meter width and 20 meter length. Mix the seed with organic manure @ 40-50 kg per 10 square meters.  Damping off is the most common disease. Soil treatment with captaf before sowing. For termites and cut worms. Application of Chlorpyriphos as soil treatment is recommended before sowing to control such insects.  Make a raised bed of 15-20cm higher from the surface level.  Mulching: Nursery mulching just after sowing with straw, dry grass is beneficial for moisture conservation and quick germination |
| Cauliflower, cabbage, broccoli, tomato | r                        |                 | Transplanting of mature seedlings of cauliflower, cabbage, broccoli and tomato may also be done in raised bed. Recommended spacing should be maintained. Before sowing, fully decomposed FYM or compost is advised in vegetable and other crops, as it improves the physical and biological properties of soil and thus increases the water retention capacity as well as nutrient status of the soil.   |
| Naga king<br>chilli                    | Harvesting<br>stage      |                 | Timely weeding and earthing up should be done Daily monitoring should be done for insect pest and need based neem oil should be spray  |
| Fruit trees                            |                          |                 | Farmers are advised for application of manure and fertilizer in orchards   |
| Ginger /<br>turmeric                   | Maturity stage           |                 | Field must be inspected daily for disease appearance. While inspecting, the healthy plants/plots must be marked and kept for planting in the next season. Marking has to be done properly otherwise when plant matures and gets dried up, it will be very  |

|                  |                            | difficult to find out the marked plots.  |  |
|------------------|----------------------------|--|--|
|                  |                            | Livestock  |  |
|                  | Vaccination <b>Poultry</b> | n of animals should be done against out-break of major diseases. Provide clean and cool drinking water to the animals  As the temperature is decreasing, the shed should be protected from cold wind by hanging curtain around the |  |
|                  | 1 outily                   | side of the wall or shed.  |  |
|                  |                            | ✓ If possible there should be separate space for different age group of birds.   |  |
|                  |                            | ✓ Sick bird should be immediately separated/ culled from healthy flock.  |  |
|                  |                            | Poultry equipments particularly waterer and feeder should be regularly cleaned and disinfected   |  |
|                  | Piggery                    | ✓ Occurrence of most of the diseases can be prevented by following strict hygienic measure and by timely vaccination of pigs.  |  |
|                  |                            | ✓ A separate house should be there to keep the animals suffering from contagious diseases.   |  |
|                  |                            | Fisheries  |  |
| \\\\-\\\\\       |                            | Clean the pond bottom and remove all debris  |  |
|                  |                            | 2. Apply lime @ 10-15 kg/bigha along with Potassium permanganate (Potash) @ 4-5 mg per litre of water OR   |  |
| нфзі-ді<br>ІСА R |                            | Apply lime @ 10-15 kg/bigha and then apply Sukrena W.S solution @ 500 ml per bigha   |  |

| Sl.no | Name             | Designation         | Department                        |                          |
|-------|------------------|---------------------|-----------------------------------|--------------------------|
| 1     | Dr.D.J. Rajkhowa | Principle Scientist | Agronomy                          | djrajkhowa@gmail.com     |
| 2     | Dr. L.K. Baishya | Senior Scientist    | Agronomy                          | lkbicar@gmail.com        |
| 3     | Ph. Romen Sharma | Scientist           | Agricultural Extension            | romen.agext@gmail.com    |
| 4     | Dr. Rajesha G    | Scientist           | Plant Pathology                   | rajeshag337@gmail.com    |
| 5     | Dr. Mahak Singh  | Scientist           | Animal Reproduction & Gynaecology | mahaksinghivri@gmail.com |

|   | Dr. Azeze Seyie | Scientist | Spices, Plantation & Medicinal & |                      |
|---|-----------------|-----------|----------------------------------|----------------------|
| 6 |                 |           | Aromatic Plants                  | azezeseyie@yahoo.com |
| 7 | Jyotish Barman  | Scientist | Fisheries Resource Management    | jyotish5@gmail.com   |
| 8 | Aabon W Yanthan | Scientist | Vegetable Science                | aabon.iari@gmail.com |





# Integrated Agromet Advisory Service Bulletin from 11<sup>th</sup> to 15<sup>th</sup> Nov'17 Tuensang District

**Bulletin No:88/2017** 

|   | Dunetii 110.00/201/  |
|---|--|
| Weather summary of the preceding week                               | Weather forecast valid upto 15 <sup>th</sup> Nov'17  |
| ■ No rain occurred the past week                                    | Probability of no rain the coming week.  |
| ■ Maximum and minimum temperatures ranged                           | ■ Max temp is likely to be $22^{\circ}$ C - $23^{\circ}$ C and the min temp $9^{\circ}$ C to $10^{\circ}$ C  |
| $19^{0}$ C to $20^{0}$ C and $9^{0}$ C to $10^{0}$ C, respectively. | Sky is likely to be clear the coming week  |
| Relative humidity varied from 30% to 95%.                           | • Relative Humidity is likely to range from 20% to 92%.  |
| <ul> <li>Wind speed ranged from 3 to 4 kmph</li> </ul>              | ■ Wind speed may reach upto 3-4 kmph   |
|   | • Wind direction will be southeasterly   |
| ■ NDVI for Nagaland   | Agriculture vigour is moderate in parts of Nagaland  |
|   | , and the second |

| Main<br>Crops | Stage            | Pest/<br>Diseases | Agro-meteorological Advisories   |
|---------------|------------------|-------------------|--|
| Сторь         |                  | Discuses          |  |
| Jhum paddy    | Post Harvesting  |                   | Follow sanitation during drying, milling and after milling to avoid          |
|               | stage            |                   | contamination of grains and protect from insects, rodents and birds.         |
| TRC/WRC       | Milk             | Grasshopper       | It feeds irregularly on seedling and leaf blade and cuts the stem during the |
| paddy         | development      |                   | panicle stage. Bunds should be cleaned at regular interval.                  |
|               | stage            |                   |  |
| Toria         | Land preparation | -                 | Field preparation should be started for toria and arrangement for quality    |
|               |                  |                   | seeds should be done. M-27, TS-36 and TS-38 are some of the varieties        |
|               |                  |                   | recommended for our region   |
| Rabi maize    | Land preparation |                   | Land preparation should be started for rabi maize. It can be grown in all    |
|               |                  |                   | types of soils having adequate provision of drainage. Field should be        |
|               |                  |                   | ploughed properly so as to expose the pupae of red hairy caterpillar. Sow    |

| Use well dra                                     | ined soils, field sanit | ation should be | blight. If one wants to use his own seed, seed treatment is a must.  Some of the varieties recommended for our region are HQPM-1, Allrounder and RCM-76.  Horticultural crop  e maintained. Seed bed should be in good tilth, free from diseases and weeds.   |
|--|-------------------------|-----------------|---|
| Citrus   |                         | Fruit flies     | Once fruit is stung it is too late for anything but planning for a better result next year! You can check fruit for tiny dimples or weeping clear sap Remove and destroy any stung fruit, it is more effective to do this straigh away than picking up rotten fruit from the ground as the maggots may have already left the fruit to pupate  |
| Vegetables                                       |                         |                 | Prepare nursery bed of 1 meter width and 20 meter length. Mix the seed with organic manure @ 40-50 kg per 10 square meters.  Damping off is the most common disease. Soil treatment with captaf before sowing.  For termites and cut worms. Application of Chlorpyriphos as soil treatment is recommended before sowing to control such insects.  Make a raised bed of 15-20cm higher from the surface level.  Mulching: Nursery mulching just after sowing with straw, dry grass is beneficial for moisture conservation and quick germination |
| Cauliflower,<br>cabbage,<br>broccoli ,<br>tomato |                         |                 | Transplanting of mature seedlings of cauliflower, cabbage, broccoli and tomato may also be done in raised bed. Recommended spacing should be maintained. Before sowing, fully decomposed FYM or compost is advised in vegetable and other crops, as it improves the physical and biological properties of soil and thus increases the water retention capacity as well as nutrient status of the soil.  |
| Naga king<br>chilli                              | Harvesting stage        |                 | Timely weeding and earthing up should be done  Daily monitoring should be done for insect pest and need based neem oil should be spray  |
| Fruit trees                                      |                         |                 | Farmers are advised for application of manure and fertilizer in orchards  |
| Ginger /<br>turmeric                             | Maturity stage          |                 | Field must be inspected daily for disease appearance. While inspecting, the healthy plants/plots must be marked and kept for planting in the next season. Marking has to be done properly otherwise when plant matures and gets dried up, it will be very difficult to find out the marked plots.   |

|                 |           | animals  |  |  |  |
|-----------------|-----------|--|--|--|--|
|                 | Poultry   | ✓ As the temperature is decreasing, the shed should be protected from cold wind by hanging curtain around the side of the wall or shed.  |  |  |  |
|                 |           | ✓ If possible there should be separate space for different age group of birds.   |  |  |  |
|                 |           | ✓ Sick bird should be immediately separated/ culled from healthy flock.  |  |  |  |
|                 |           | Poultry equipments particularly waterer and feeder should be regularly cleaned and disinfected   |  |  |  |
|                 | Piggery   | ✓ Occurrence of most of the diseases can be prevented by following strict hygienic measure and by timely vaccination of pigs.  |  |  |  |
|                 |           | ✓ A separate house should be there to keep the animals suffering from contagious diseases.   |  |  |  |
|                 | Fisheries |  |  |  |  |
| High-ju<br>ICAR |           | <ol> <li>Clean the pond bottom and remove all debris</li> <li>Apply lime @ 10-15 kg/bigha along with Potassium permanganate (Potash) @ 4-5 mg per litre of water OR         Apply lime @ 10-15 kg/bigha and then apply Sukrena W.S solution @ 500 ml per bigha     </li> </ol> |  |  |  |

| Sl.no | Name             | Designation         | Department                        |                          |
|-------|------------------|---------------------|-----------------------------------|--------------------------|
| 1     | Dr.D.J. Rajkhowa | Principle Scientist | Agronomy                          | djrajkhowa@gmail.com     |
| 2     | Dr. L.K. Baishya | Senior Scientist    | Agronomy                          | lkbicar@gmail.com        |
| 3     | Ph. Romen Sharma | Scientist           | Agricultural Extension            | romen.agext@gmail.com    |
| 4     | Dr. Rajesha G    | Scientist           | Plant Pathology                   | rajeshag337@gmail.com    |
| 5     | Dr. Mahak Singh  | Scientist           | Animal Reproduction & Gynaecology | mahaksinghivri@gmail.com |
|       | Dr. Azeze Seyie  | Scientist           | Spices, Plantation & Medicinal &  |                          |
| 6     |                  |                     | Aromatic Plants                   | azezeseyie@yahoo.com     |
| 7     | Jyotish Barman   | Scientist           | Fisheries Resource Management     | jyotish5@gmail.com       |
| 8     | Aabon W Yanthan  | Scientist           | Vegetable Science                 | aabon.iari@gmail.com     |





## Integrated Agromet Advisory Service Bulletin from 11<sup>th</sup> to 15<sup>th</sup> Nov'17 Wokha District

**Bulletin No:88/2017** 

| Weather summary of the preceding week                                |            | Weather forecast valid upto 15 <sup>th</sup> Nov'17  |
|--|------------|--|
| ■ No rain occurred the past week                                     |            | Probability of no rain the coming week.  |
| ■ Maximum and minimum temperatures ranged                            | - 1        | Max temp is likely to be $26^{\circ}$ C - $27^{\circ}$ C and the min temp $13^{\circ}$ C to $15^{\circ}$ C |
| $23^{0}$ C to $24^{0}$ C and $12^{0}$ C to $13^{0}$ C, respectively. | <b>=</b> § | Sky is likely to be mainly clear the coming week   |
| ■ Relative humidity varied from 43% to 92%.                          | - J        | Relative Humidity is likely to range from 42% to 92%.  |
| ■ Wind speed ranged from 4 to 5 kmph                                 | - 1        | Wind speed may reach upto 4- 5 kmph  |
| ·  | 1          | Wind direction will be mostly southeasterly  |
| ■ NDVI for Nagaland  |            | Agriculture vigour is moderate in parts of Nagaland  |
|  |            | 77. 11   |

|            |                  | Agro-meteorological Advisories |   |
|------------|------------------|--------------------------------|---|
| Crops      |                  | Diseases                       |   |
| Jhum paddy | Post Harvesting  |                                | Follow sanitation during drying, milling and after milling to avoid       |
|            | stage            |                                | contamination of grains and protect from insects, rodents and birds.      |
| TRC/WRC    | Milk development | Grasshopper                    | It feeds irregularly on seedling and leaf blade and cuts the stem during  |
| paddy      | stage            |                                | the panicle stage. Bunds should be cleaned at regular interval.           |
| Toria      | Land preparation | -                              | Field preparation should be started for toria and arrangement for         |
|            |                  |                                | quality seeds should be done. M-27, TS-36 and TS-38 are some of the       |
|            |                  |                                | varieties recommended for our region                                      |
| Rabi maize | Land preparation |                                | Land preparation should be started for rabi maize. It can be grown in     |
|            |                  |                                | all types of soils having adequate provision of drainage. Field should be |
|            |                  |                                | ploughed properly so as to expose the pupae of red hairy caterpillar.     |
|            |                  |                                | Sow certified seeds from a reliable source to prevent seed rot and        |

|                |                             |             | H. 11.1 Y.   |
|----------------|-----------------------------|-------------|--|
|                |                             |             | seedling blight. If one wants to use his own seed, seed treatment is a   |
|                |                             |             | must.  |
|                |                             |             | Some of the varieties recommended for our region are HQPM-1,   |
|                |                             |             | Allrounder and RCM-76.   |
|                |                             |             |  |
|                |                             |             |  |
|                |                             |             | Horticultural crop   |
| Use well drain | ned soils, field sanitation |             | aintained. Seed bed should be in good tilth, free from diseases and weeds.   |
| Citrus         |                             | Fruit flies | Once fruit is stung it is too late for anything but planning for a better  |
|                |                             |             | result next year! You can check fruit for tiny dimples or weeping clear  |
|                |                             |             | sap. Remove and destroy any stung fruit, it is more effective to do this   |
|                |                             |             | straight away than picking up rotten fruit from the ground as the  |
|                |                             |             | maggots may have already left the fruit to pupate  |
| Vegetables     |                             |             | Prepare nursery bed of 1 meter width and 20 meter length. Mix the seed   |
| 8              |                             |             | with organic manure @ 40-50 kg per 10 square meters.   |
|                |                             |             | Damping off is the most common disease. Soil treatment with captaf   |
|                |                             |             | before sowing.   |
|                |                             |             | For termites and cut worms. Application of Chlorpyriphos as soil   |
|                |                             |             | treatment is recommended before sowing to control such insects.  |
|                |                             |             | Make a raised bed of 15-20cm higher from the surface level.  |
|                |                             |             | Mulching: Nursery mulching just after sowing with straw, dry grass is  |
|                |                             |             | beneficial for moisture conservation and quick germination   |
| Cauliflower,   |                             |             | Transplanting of mature seedlings of cauliflower, cabbage, broccoli and  |
| cabbage,       |                             |             | tomato may also be done in raised bed. Recommended spacing should be   |
| broccoli,      |                             |             | maintained. Before sowing, fully decomposed FYM or compost is  |
| tomato         |                             |             | advised in vegetable and other crops, as it improves the physical and  |
|                |                             |             | biological properties of soil and thus increases the water retention   |
|                |                             |             | capacity as well as nutrient status of the soil.   |
|                |                             |             |  |
| Naga king      | Harvesting stage            |             | Timely weeding and earthing up should be done  |
| chilli         |                             |             | Daily monitoring should be done for insect pest and need based neem oil  |
|                |                             |             | should be spray  |
| Fruit trees    |                             |             | Farmers are advised for application of manure and fertilizer in  |
|                |                             |             | orchards   |
| Ginger /       | Maturity stage              |             | Field must be inspected daily for disease appearance. While inspecting,  |
| turmeric       | l later ty stage            |             | the healthy plants/plots must be marked and kept for planting in the next  |
|                |                             |             | season. Marking has to be done properly otherwise when plant matures   |
|                |                             |             | and gets dried up, it will be very difficult to find out the marked plots.   |
|                |                             |             | g and the state of |

|                  |   | Livestock   |
|------------------|---|---|
|                  | Vaccination   | of animals should be done against out-break of major diseases. Provide clean and cool drinking water to the animals           |
|                  | ✓ As the temperature is decreasing, the shed should be protected from cold wind by hanging curtain around the side of the wall or shed. |   |
|                  |   | ✓ If possible there should be separate space for different age group of birds.  |
|                  | ✓ Sick bird should be immediately separated/ culled from healthy flock.   |   |
|                  |   | Poultry equipments particularly waterer and feeder should be regularly cleaned and disinfected                                |
|                  | Piggery   | ✓ Occurrence of most of the diseases can be prevented by following strict hygienic measure and by timely vaccination of pigs. |
| VVV - 1777       |   | ✓ A separate house should be there to keep the animals suffering from contagious diseases.                                    |
| X Loo            |   | Fisheries   |
|                  |   | Clean the pond bottom and remove all debris   |
| भाकुअनुप<br>ICAR |   | 2. Apply lime @ 10-15 kg/bigha along with Potassium permanganate (Potash) @ 4-5 mg per litre of water                         |
|                  |   | OR  |
|                  |   | Apply lime @ 10-15 kg/bigha and then apply Sukrena W.S solution @ 500 ml per bigha  |

| Sl.no | Name             | Designation         | Department                        |                          |
|-------|------------------|---------------------|-----------------------------------|--------------------------|
| 1     | Dr.D.J. Rajkhowa | Principle Scientist | Agronomy                          | djrajkhowa@gmail.com     |
| 2     | Dr. L.K. Baishya | Senior Scientist    | Agronomy                          | lkbicar@gmail.com        |
| 3     | Ph. Romen Sharma | Scientist           | Agricultural Extension            | romen.agext@gmail.com    |
| 4     | Dr. Rajesha G    | Scientist           | Plant Pathology                   | rajeshag337@gmail.com    |
| 5     | Dr. Mahak Singh  | Scientist           | Animal Reproduction & Gynaecology | mahaksinghivri@gmail.com |
|       | Dr. Azeze Seyie  | Scientist           | Spices, Plantation & Medicinal &  |                          |
| 6     |                  |                     | Aromatic Plants                   | azezeseyie@yahoo.com     |
| 7     | Jyotish Barman   | Scientist           | Fisheries Resource Management     | jyotish5@gmail.com       |

8 Aabon W Yanthan Scientist Vegetable Science aabon.iari@gmail.com







## Integrated Agromet Advisory Service Bulletin from 11<sup>th</sup> to 15<sup>th</sup> Nov'17 Zunheboto District

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|------|------|------|-----|-------------|------|
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| Dun  | СШ   | TAO. | .00 | / Z/U       | 'L / |

| Weather summary of the preceding week Weather forecast valid upto 15 <sup>th</sup> Nov'17                      |    |
|--|----|
| ■ No rain occurred the past week ■ Probability of no rain the coming week.                                     |    |
| ■ Maximum and minimum temperatures ranged ■ Max temp is likely to be 23°C - 24°C and the min temp 10°C to 11°C |    |
| 21°C to 22°C and 9°C to 11°C, respectively.  |    |
| ■ Relative humidity varied from 37% to 95%. ■ Relative Humidity is likely to range from 32% to 95%.            |    |
| ■ Wind speed ranged from 4 to 5 kmph ■ Wind speed may reach upto 4- 5 kmph                                     |    |
| Wind direction will be mostly southeasterly  |    |
|  |    |
| NDVI for Nagaland  Agriculture vigour is moderate in parts of  | of |
| Nagaland   |    |

| Main<br>Crops | Stage                        | Pest/<br>Diseases | Agro-meteorological Advisories  |
|---------------|------------------------------|-------------------|---|
| Jhum paddy    | Post Harvesting stage        |                   | Follow sanitation during drying, milling and after milling to avoid contamination of grains and protect from insects, rodents and birds.  |
| TRC/WRC paddy | Milk<br>development<br>stage | Grasshopper       | It feeds irregularly on seedling and leaf blade and cuts the stem during the panicle stage. Bunds should be cleaned at regular interval.  |
| Toria         | Land preparation             | -                 | Field preparation should be started for <b>toria</b> and arrangement for quality seeds should be done. M-27, TS-36 and TS-38 are some of the varieties recommended for our region |
| Rabi maize    | Land preparation             |                   | Land preparation should be started for rabi maize. It can be grown in all types of soils having adequate provision of drainage. Field should be                                   |

|   |                        |                  | ploughed properly so as to expose the pupae of red hairy caterpillar. Sow certified seeds from a reliable source to prevent seed rot and seedling blight. If one wants to use his own seed, seed treatment is a must.  Some of the varieties recommended for our region are HQPM-1, Allrounder and RCM-76.   |
|---|------------------------|------------------|--|
|   |                        |                  |  |
|   |                        |                  |  |
|   |                        |                  | Horticultural crop   |
| Use well dra                                    | nined soils, field san | itation should b | be maintained. Seed bed should be in good tilth, free from diseases and weeds.   |
| Citrus  |                        | Fruit flies      | Once fruit is stung it is too late for anything but planning for a better result next year! You can check fruit for tiny dimples or weeping clear sap. Remove and destroy any stung fruit, it is more effective to do this straight away than picking up rotten fruit from the ground as the maggots may have already left the fruit to pupate   |
| Vegetables                                      |                        |                  | Prepare nursery bed of 1 meter width and 20 meter length. Mix the seed with organic manure @ 40-50 kg per 10 square meters.  Damping off is the most common disease. Soil treatment with captaf before sowing.   |
|   |                        |                  | For termites and cut worms. Application of Chlorpyriphos as soil treatment is recommended before sowing to control such insects.  Make a raised bed of 15-20cm higher from the surface level.  Mulching: Nursery mulching just after sowing with straw, dry grass is   |
|   |                        |                  | beneficial for moisture conservation and quick germination   |
| Cauliflower,<br>cabbage,<br>broccoli,<br>tomato |                        |                  | Transplanting of mature seedlings of cauliflower, cabbage, broccoli and tomato may also be done in raised bed. Recommended spacing should be maintained. Before sowing, fully decomposed FYM or compost is advised in vegetable and other crops, as it improves the physical and biological properties of soil and thus increases the water retention capacity as well as nutrient status of the soil. |
| Naga king<br>chilli                             | Harvesting stage       |                  | Timely weeding and earthing up should be done  Daily monitoring should be done for insect pest and need based neem oil  should be spray  |
| Fruit trees                                     |                        |                  | Farmers are advised for application of manure and fertilizer in orchards   |
| Ginger /<br>turmeric                            | Maturity stage         |                  | Field must be inspected daily for disease appearance. While inspecting, the healthy plants/plots must be marked and kept for planting in the next season Marking has to be done properly otherwise when plant matures and gets dried up, it will be very difficult to find out the marked plots.   |

|                 |  | T:   |  |  |  |  |  |
|-----------------|--|--|--|--|--|--|--|
|                 | Livestock Vaccination of animals should be done against out-break of major diseases. Provide clean and cool drinking water to the an |  |  |  |  |  |  |
|                 | Poultry  | ✓ As the temperature is decreasing, the shed should be protected from cold wind by hanging curtain around the side of the wall or shed.  |  |  |  |  |  |
|                 |  | ✓ If possible there should be separate space for different age group of birds.   |  |  |  |  |  |
|                 |  | ✓ Sick bird should be immediately separated/ culled from healthy flock.  |  |  |  |  |  |
|                 |  | Poultry equipments particularly waterer and feeder should be regularly cleaned and disinfected   |  |  |  |  |  |
|                 | Piggery  | ✓ Occurrence of most of the diseases can be prevented by following strict hygienic measure and by timely vaccination of pigs.  |  |  |  |  |  |
|                 |  | ✓ A separate house should be there to keep the animals suffering from contagious diseases.   |  |  |  |  |  |
|                 |  | Fisheries  |  |  |  |  |  |
| ыцрэнди<br>ІСАВ |  | <ol> <li>Clean the pond bottom and remove all debris</li> <li>Apply lime @ 10-15 kg/bigha along with Potassium permanganate (Potash) @ 4-5 mg per litre of water OR         Apply lime @ 10-15 kg/bigha and then apply Sukrena W.S solution @ 500 ml per bigha     </li> </ol> |  |  |  |  |  |

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