



Integrated Agro-Meteorological Advisory Services

ICAR Research Complex for NEH Region, Arunachal Pradesh Centre

West Siang, Basar – 791 101



(Lohit)

No:-42/2013-14/Tue

Dated: 10th September, 2013

Weather during the period

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

Weather Forecast

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| • <u>Rainfall</u> –Clear/partially cloudy weather is forecasted. |
| • <u>Temperature</u> - The temperature is likely to be in the range of 6-20°C. |
| • <u>Relative Humidity</u> - The RH is likely to be in the range of 50-99 %. |

Weather Based Agro-meteorological Advisories Bulletin

| Crop | Stage | Pest/Disease | Precautionary Practices to be followed |
|---|---|---------------------------------------|---|
| VEGETABLE CROPS | | | |
| <ul style="list-style-type: none">• <i>In present weather conditions farmers are advised to prepare nursery for sowing of cruciferous vegetables. Raised seed bed should be prepared. Use well decomposed cow dung/fully mature FYM.</i>• <i>Seed treatment with Captan @ 2 gms per kilogram seeds should be done,</i>• <i>Regularly monitor to maintain appropriate moisture level in the nursery.</i> | | | |
| Cauliflower/ Cabbage/ Radish | Nursery preparation | Wilting/ Colar rot/ Damping off | <ul style="list-style-type: none">• In view of cool and moist weather in the coming days farmers are advised to prepare nursery,• Maintain appropriate moisture level in the nursery,• Seed treatment is extremely important with appropriate fungicide/insecticide,• Soil drenching with Captan (@3grams/litre of water) or Bavistin (@ 2 grams per litre of water) is advised, |
| Radish | Sowing | Damping off | <ul style="list-style-type: none">• Keeping present weather conditions in view sowing of good quality seeds should be done,• Regular monitoring of crop for attack of damping off should be done, |
| Spinach | Sowing | | <ul style="list-style-type: none">• Sowing of certified/locally available seeds in well prepared nursery may be done,• Periodical weeding is very important, |
| FIELD CROPS | | | |
| WRC rice – Main crop | Tillering, Booting Flowering Milking stage | Gundhi bug | <ul style="list-style-type: none">• Collect/destroy bugs found in the field,• If damage level is high, use Malathion dust 5%,• Weeding is also advised, |
| Sesame (Til) | Field preparation Sowing | | <ul style="list-style-type: none">• In present weather conditions farmers are advised to prepare field for sowing of quality seeds of sesame,• Seed treatment is advised, |
| Mustard | Field preparation | | <ul style="list-style-type: none">• Taking advantage of the recent rains farmers are advised for field preparation,• Procure quality seeds. Seed treatment is highly recommended, |
| It is also advised from KVK and ICAR that farmers may use zero tillage technology in harvested paddy fields in upland/WRC for sowing of Pea. In this method without ploughing, sowing of pea may be done to use moisture of rice field and straw of rice as organic manure. Taking into account the rainfall recorded during last week, this technology may also be used in harvested <i>Jhum</i> rice field. | | | |
| Maize | Field preparation Sowing | Cut worm | <ul style="list-style-type: none">• Field preparation for sowing of good quality (certified) seeds,• Seeds should be properly treated before sowing,• Monitor for attack of cut worm in the germinated fields,• Manual collection of larvae during the evening hours may be done, (If damage level is not serious). Use of Carbaryl dust in severely damaged fields may be done, |
| Pea | Field preparation Sowing | | |
| It is also advised from KVK and ICAR that farmers may use zero tillage technology in harvested paddy fields in upland/WRC for sowing of Pea. In this method without ploughing, sowing of pea may be done | | | |

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| to use moisture of rice field and straw of rice as organic manure. | | | |
| FRUIT CROPS | | | |
| Khasi Mandarin | Fruiting | Trunk borer, Ants Lichen/ Mosses Fruit fly | <ul style="list-style-type: none">• In present weather conditions farmers are advised to clean the basin along with dropped fruits.• Cleaning of entry hole and treatment with Dichlorvos dipped cotton swabs is advised.• Use of light trap to attract adults is also advised.• Weeding around basin,• Farmers are advised to use <i>Jaggary</i>/Malathion traps or pheromone traps to monitor the pest population and collect and destroy the adults insects, |
| LIVESTOCKS | | | |
| Farmers are advised not to follow the IFS model of Pig+fish+poultry/duckery as it causes zoonotic diseases. | | | |
| Livestock | Stage | Disease | Precautionary Practices to be followed |
| Poultry | All stages | | <ul style="list-style-type: none">• Vaccinate according to schedule, |
| Pigs | All stages | Swine fever | <ul style="list-style-type: none">• Vaccinate against swine fever,• Deworming,• Avoid scavenging, |
| Cattle | All stages | FMD/BQ Worm | <ul style="list-style-type: none">• Vaccination,• Deworming, |
| Fish | All stages | | <ul style="list-style-type: none">• Pond sides should be properly cleaned,• Harvest of mature fish, |
| <ul style="list-style-type: none">• Contact Scientists (ICAR) or State Agril Staff or KVK staff for any queries/measures against adverse conditions or call at 03795226247/37 | | | |

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

Agrometeorological Field Unit
ICAR, BASAR



Integrated Agro-Meteorological Advisory Services

ICAR Research Complex for NEH Region, Arunachal Pradesh Centre

West Siang, Basar – 791 101



(Lower Subansiri)

No:-42/2013-14/Tue

Dated: 10th September, 2013

Weather during the period

- Rainfall: -
 - Ziro – NA

Weather Forecast

- Rainfall – Cloudy/partially cloudy weather with heavy to moderate rains forecasted.
- Temperature - The temperature is likely to be in the range of 5-12°C.
- Relative Humidity - The RH is likely to be in the range of 78-98 %.

Weather Based Agro-meteorological Advisories Bulletin

| Crop | Stage | Pest/Disease | Precautionary Practices to be followed |
|---|---|---------------------------------------|---|
| VEGETABLE CROPS | | | |
| <ul style="list-style-type: none"><i>In present weather conditions farmers are advised to prepare nursery for sowing of cruciferous vegetables. Raised seed bed should be prepared. Use well decomposed cow dung/fully mature FYM.</i><i>Seed treatment with Captan @ 2 gms per kilogram seeds should be done,</i><i>Regularly monitor to maintain appropriate moisture level in the nursery.</i> | | | |
| Cauliflower/ Cabbage/ Radish | Nursery preparation | Wilting/ Colar rot/ Damping off | <ul style="list-style-type: none">In view of cool and moist weather in the coming days farmers are advised to prepare nursery,Maintain appropriate moisture level in the nursery,Seed treatment is extremely important with appropriate fungicide/insecticide,Soil drenching with Captan (@3grams/litre of water) or Bavistin (@ 2 grams per litre of water) is advised, |
| Radish | Sowing | Damping off | <ul style="list-style-type: none">Keeping present weather conditions in view sowing of good quality seeds should be done,Regular monitoring of crop for attack of damping off should be done, |
| FIELD CROPS | | | |
| WRC rice- Early crop | Maturity/ Harvest | Rat | <ul style="list-style-type: none">In view partially cloudy/clear weather, farmers are advised to immediately harvest the mature crop and properly dry the grains,Wherever rat menace is there, install rat trap, |
| WRC rice – Main crop (Mipun) | Tillering, Booting Flowering Milking stage | Gundhi bug | <ul style="list-style-type: none">Collect/destroy bugs found in the field,If damage level is high, use Malathion dust 5%,Weeding is also advised, |
| Mustard | Field preparation | | <ul style="list-style-type: none">Taking advantage of the recent rains farmers are advised for field preparation,Procure quality seeds. Seed treatment is highly recommended, |
| It is also advised from KVK and ICAR that farmers may use zero tillage technology in harvested paddy fields in upland/WRC for sowing of Pea. In this method without ploughing, sowing of pea may be done to use moisture of rice field and straw of rice as organic manure. Taking into account the rainfall recorded during last week, this technology may also be used in harvested <i>Jhum</i> rice field. | | | |
| Maize | Field preparation Sowing | Cut worm | <ul style="list-style-type: none">Field preparation for sowing of good quality (certified) seeds,Seeds should be properly treated before sowing,Monitor for attack of cut worm in the germinated fields,Manual collection of larvae during the evening hours may be done, (If damage level is not serious). Use of Carbaryl dust in severely damaged fields may be done, |
| Pea | Field preparation Sowing | | |
| It is also advised from KVK and ICAR that farmers may use zero tillage technology in harvested paddy fields in upland/WRC for sowing of Pea. In this method without ploughing, sowing of pea may be done to use moisture of rice field and straw of rice as organic manure. | | | |
| FRUIT CROPS | | | |

| Khasi Mandarin | Fruiting | Trunk borer, Ants Lichen/ Mosses Fruit fly | <ul style="list-style-type: none"> • In present weather conditions farmers are advised to clean the basin along with dropped fruits. • Cleaning of entry hole and treatment with Dichlorvos dipped cotton swabs is advised. • Use of light trap to attract adults is also advised. • Weeding around basin, • Farmers are advised to use <i>Jaggary</i>/Malathion traps or pheromone traps to monitor the pest population and collect and destroy the adults insects, |
|--|------------|--|---|
| LIVESTOCKS | | | |
| Farmers are advised not to follow the IFS model of Pig+fish+poultry/duckery as it causes zoonotic diseases. | | | |
| Livestock | Stage | Disease | Precautionary Practices to be followed |
| Poultry | All stages | | <ul style="list-style-type: none"> • Vaccinate according to schedule, |
| Pigs | All stages | Swine fever | <ul style="list-style-type: none"> • Vaccinate against swine fever, • Deworming, • Avoid scavenging, |
| Cattle/Mithun | All stages | FMD/BQ Worm | <ul style="list-style-type: none"> • Vaccination, • Deworming, |
| Goat/Sheep | All stages | | <ul style="list-style-type: none"> • Deworming and vaccination. |
| Fish | All stages | | <ul style="list-style-type: none"> • Pond sides should be properly cleaned, • Harvest of mature fish, |
| <ul style="list-style-type: none"> • Contact Scientists (ICAR) or State Agril Staff or KVK staff for any queries/measures against adverse conditions or call at 03795226247/37 | | | |

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Agrometeorological Field Unit
ICAR, BASAR



Integrated Agro-Meteorological Advisory Services

ICAR Research Complex for NEH Region, Arunachal Pradesh Centre

West Siang, Basar – 791 101



(Papum Pare)

No:-42/2013-14/Tue

Dated: 10th September, 2013


Weather during the period

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

Weather Forecast

- Rainfall – Partially cloudy weather with rains forecasted for next 2/3 days. Weather may be clear on some days.
- Temperature - The temperature is likely to be in the range of 22-31°C.
- Relative Humidity - The RH is likely to be in the range of 61-96%.

Weather Based Agro-meteorological Advisories Bulletin

| Crop | Stage | Pest/Disease | Precautionary Practices to be followed |
|---|---|--|---|
| VEGETABLE CROPS | | | |
| <ul style="list-style-type: none">• <i>In present weather conditions farmers are advised to prepare nursery for sowing of cruciferous vegetables. Raised seed bed should be prepared. Use well decomposed cow dung/fully mature FYM.</i>• <i>Seed treatment with Captan @ 2 gms per kilogram seeds should be done,</i>• <i>Regularly monitor to maintain appropriate moisture level in the nursery.</i> | | | |
| Cauliflower/ Cabbage/ Radish | Nursery preparation | Wilting/ Colar rot/ Damping off | <ul style="list-style-type: none">• In view of cool and moist weather in the coming days farmers are advised to prepare nursery,• Maintain appropriate moisture level in the nursery,• Seed treatment is extremely important with appropriate fungicide/insecticide,• Soil drenching with Captan (@3grams/litre of water) or Bavistin (@ 2 grams per litre of water) is advised, |
| Radish | Sowing | Damping off | <ul style="list-style-type: none">• Keeping present weather conditions in view sowing of good quality seeds should be done,• Regular monitoring of crop for attack of damping off should be done, |
| Spinach | Sowing | | <ul style="list-style-type: none">• Sowing of certified/locally available seeds in well prepared nursery may be done,• Periodical weeding is very important, |
| Cucurbits | Harvest | Fruit fly  | <ul style="list-style-type: none">• Severe fruit fly damage is reported from most of the places,• Collection/deep burying (Atleast 4 feet deep) of infected fruit,• Spraying of Malathion @ 3ml per litre of water is advised |
| FIELD CROPS | | | |
| Jhum Rice | Harvest | Rat | <ul style="list-style-type: none">• In view clear/partially cloudy weather for the next 2/3 days, farmers are advised to immediately harvest the crop and properly dry the grains,• Wherever rat menace is there, install rat trap,• <i>Herein, farmers are advised not to kill snakes as far as possible, as they are the main biological agent which check rodent population,</i> |
| WRC rice- Early crop | Maturity/ Harvest | Rat | <ul style="list-style-type: none">• In view partially cloudy/clear weather, farmers are advised to immediately harvest the mature crop and properly dry the grains,• Wherever rat menace is there, install rat trap, |
| WRC rice – Main crop (Mipun) | Tillering, Booting Flowering Milking stage | Gundhi bug | <ul style="list-style-type: none">• Collect/destroy bugs found in the field,• If damage level is high, use Malathion dust 5%,• Weeding is also advised, |
| Sesame (Til) | Field preparation Sowing | | <ul style="list-style-type: none">• In present weather conditions farmers are advised to prepare field for sowing of quality seeds of sesame,• Seed treatment is advised, |

| | | | |
|---|-----------------------------|--|---|
| Mustard | Field preparation | | <ul style="list-style-type: none">• Taking advantage of the recent rains farmers are advised for field preparation,• Procure quality seeds. Seed treatment is highly recommended, |
| It is also advised from KVK and ICAR that farmers may use zero tillage technology in harvested paddy fields in upland/WRC for sowing of Pea. In this method without ploughing, sowing of pea may be done to use moisture of rice field and straw of rice as organic manure. Taking into account the rainfall recorded during last week, this technology may also be used in harvested <i>Jhum</i> rice field. | | | |
| Maize | Field preparation Sowing | Cut worm | <ul style="list-style-type: none">• Field preparation for sowing of good quality (certified) seeds,• Seeds should be properly treated before sowing,• Monitor for attack of cut worm in the germinated fields,• Manual collection of larvae during the evening hours may be done, (If damage level is not serious). Use of Carbaryl dust in severely damaged fields may be done, |
| Pea | Field preparation Sowing | | |
| It is also advised from KVK and ICAR that farmers may use zero tillage technology in harvested paddy fields in upland/WRC for sowing of Pea. In this method without ploughing, sowing of pea may be done to use moisture of rice field and straw of rice as organic manure. | | | |
| FRUIT CROPS | | | |
| Khasi Mandarin | Fruiting | Trunk borer, Ants Lichen/ Mosses Fruit fly | <ul style="list-style-type: none">• In present weather conditions farmers are advised to clean the basin along with dropped fruits.• Cleaning of entry hole and treatment with Dichlorvos dipped cotton swabs is advised.• Use of light trap to attract adults is also advised.• Weeding around basin,• Farmers are advised to use <i>Jaggary</i>/Malathion traps or pheromone traps to monitor the pest population and collect and destroy the adults insects, |
| Banana | All stages | | <ul style="list-style-type: none">• Removal of side suckers,• Basin cleaning, |
| Guava | Fruiting | Fruit fly | <ul style="list-style-type: none">• Racking of area under the basin may be done,• Collect and destroy dropped fruits, |
| LIVESTOCKS | | | |
| Farmers are advised not to follow the IFS model of Pig+fish+poultry/duckery as it causes zoonotic diseases. | | | |
| Livestock | Stage | Disease | Precautionary Practices to be followed |
| Poultry | All stages | | <ul style="list-style-type: none">• Vaccinate according to schedule, |
| Pigs | All stages | Swine fever | <ul style="list-style-type: none">• Vaccinate against swine fever,• Deworming,• Avoid scavenging, |
| Cattle/Mithun | All stages | FMD/BQ Worm | <ul style="list-style-type: none">• Vaccination,• Deworming, |
| Goat/Sheep | All stages | | <ul style="list-style-type: none">• Deworming and vaccination. |
| Fish | All stages | | <ul style="list-style-type: none">• Pond sides should be properly cleaned,• Harvest of mature fish, |
| <ul style="list-style-type: none">• Contact Scientists (ICAR) or State Agril Staff or KVK staff for any queries/measures against adverse conditions or call at 03795226247/37 | | | |

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Agrometeorological Field Unit
ICAR, BASAR



Integrated Agro-Meteorological Advisory Services

ICAR Research Complex for NEH Region, Arunachal Pradesh Centre

West Siang, Basar – 791 101



(Tawang)

No:-42/2013-14/Tue

Dated: 10th September, 2013

Weather during the period

- Rainfall: -
1. Tawang –NA

Weather Forecast

- Rainfall — Partially cloudy/clear weather with light rains in isolated places is forecasted for next 2/3 days.
- Temperature - The temperature is likely to be in the range of 8-15°C.
- Relative Humidity - The RH is likely to be in the range of 71-93 %.

Weather Based Agro-meteorological Advisories Bulletin

| Crop | Stage | Pest/Disease | Precautionary Practices to be followed |
|-------------------------------|---------------------|------------------------|--|
| FRUITS | | | |
| Apple | Harvesting | Fruit Fly | <ul style="list-style-type: none">• Monitoring of fruit fly damage is also advised,• Collection/deep burying (Atleast 4 feet deep) of infected fruit,• If extreme damage is noticed, spraying of Malathion @ 3ml per litre of water is advised,• Installation of light traps to capture adults. |
| | | Trunk Borer | <ul style="list-style-type: none">• Urgent/immediate treatment of affected parts of trees, |
| VEGETABLE CROPS | | | |
| Cauliflower / Cabbage/ Radish | Harvesting | Cutworm | <ul style="list-style-type: none">• Monitor crop against attack of cutworm in the field,• In present weather conditions, monitor the crop against attack of DBM caterpillars,• If damage level is high, spraying of <i>Bt</i> formulation may be done, |
| Radish | Vegetative Maturity | | <ul style="list-style-type: none">• Harvest, |
| Mustard (leafy vegetables) | Sowing | | <ul style="list-style-type: none">• Sowing of good quality seeds for leafy vegetable purpose may be done, |
| LIVESTOCKS | | | |
| Livestock | Stage | Disease | Precautionary Practices to be followed |
| Poultry | All stages | | <ul style="list-style-type: none">• Provide adequate amount of potable water• Vaccinate according to schedule, |
| Cattle | All stages | FMD BQ Deworming | <ul style="list-style-type: none">• Vaccinate as per schedule,• Deworming with Briben Plus is advised, |
| Goat/Sheep | All stages | | <ul style="list-style-type: none">• Deworming and vaccination. |

Contact Scientists (ICAR) or State Agril Staff or KVK staff for measures against adverse conditions or call at 03795222247 (KVK, West Siang)

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Agrometeorological Field Unit
ICAR, BASAR



Integrated Agro-Meteorological Advisory Services

ICAR Research Complex for NEH Region, Arunachal Pradesh Centre

West Siang, Basar – 791 101



(Tirap)

No:-42/2013-14/Tue

Dated: 10th September, 2013

Weather during the period

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

Weather Forecast

- Rainfall –Partially cloudy/clear weather is forecasted for next 2/3 day. Light rain may occur at few places.
- Temperature - The temperature is likely to be in the range of 17-31°C.
- Relative Humidity - The RH is likely to be in the range of 60-100 %.

Weather Based Agro-meteorological Advisories Bulletin

| Crop | Stage | Pest/Disease | Precautionary Practices to be followed |
|---|---|---------------------------------------|---|
| VEGETABLE CROPS | | | |
| <ul style="list-style-type: none">• <i>In present weather conditions farmers are advised to prepare nursery for sowing of cruciferous vegetables. Raised seed bed should be prepared. Use well decomposed cow dung/fully mature FYM.</i>• <i>Seed treatment with Captan @ 2 gms per kilogram seeds should be done,</i>• <i>Regularly monitor to maintain appropriate moisture level in the nursery.</i> | | | |
| Cauliflower/ Cabbage/ Radish | Nursery preparation | Wilting/ Colar rot/ Damping off | <ul style="list-style-type: none">• In view of cool and moist weather in the coming days farmers are advised to prepare nursery,• Maintain appropriate moisture level in the nursery,• Seed treatment is extremely important with appropriate fungicide/insecticide,• Soil drenching with Captan (@3grams/litre of water) or Bavistin (@ 2 grams per litre of water) is advised, |
| Radish | Sowing | Damping off | <ul style="list-style-type: none">• Keeping present weather conditions in view sowing of good quality seeds should be done,• Regular monitoring of crop for attack of damping off should be done, |
| Spinach | Sowing | | <ul style="list-style-type: none">• Sowing of certified/locally available seeds in well prepared nursery may be done,• Periodical weeding is very important, |
| FIELD CROPS | | | |
| WRC rice – Main crop | Tillering, Booting Flowering Milking stage | Gundhi bug | <ul style="list-style-type: none">• Collect/destroy bugs found in the field,• If damage level is high, use Malathion dust 5%,• Weeding is also advised, |
| Sesame (Til) | Field preparation Sowing | | <ul style="list-style-type: none">• In present weather conditions farmers are advised to prepare field for sowing of quality seeds of sesame,• Seed treatment is advised, |
| Mustard | Field preparation | | <ul style="list-style-type: none">• Taking advantage of the recent rains farmers are advised for field preparation,• Procure quality seeds. Seed treatment is highly recommended, |
| It is also advised from KVK and ICAR that farmers may use zero tillage technology in harvested paddy fields in upland/WRC for sowing of Pea. In this method without ploughing, sowing of pea may be done to use moisture of rice field and straw of rice as organic manure. Taking into account the rainfall recorded during last week, this technology may also be used in harvested <i>Jhum</i> rice field. | | | |
| Maize | Field preparation Sowing | Cut worm | <ul style="list-style-type: none">• Field preparation for sowing of good quality (certified) seeds,• Seeds should be properly treated before sowing,• Monitor for attack of cut worm in the germinated fields,• Manual collection of larvae during the evening hours may be done, (If damage level is not serious). Use of Carbaryl dust in severely damaged fields may be done, |
| Pea | Field preparation Sowing | | |
| It is also advised from KVK and ICAR that farmers may use zero tillage technology in harvested paddy | | | |

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| fields in upland/WRC for sowing of Pea. In this method without ploughing, sowing of pea may be done to use moisture of rice field and straw of rice as organic manure. | | | |
| FRUIT CROPS | | | |
| Khasi Mandarin | Fruiting | Trunk borer, Ants Lichen/ Mosses Fruit fly | <ul style="list-style-type: none">• In present weather conditions farmers are advised to clean the basin along with dropped fruits.• Cleaning of entry hole and treatment with Dichlorvos dipped cotton swabs is advised.• Use of light trap to attract adults is also advised.• Weeding around basin,• Farmers are advised to use <i>Jaggary</i>/Malathion traps or pheromone traps to monitor the pest population and collect and destroy the adults insects, |
| LIVESTOCKS | | | |
| Farmers are advised not to follow the IFS model of Pig+fish+poultry/duckery as it causes zoonotic diseases. | | | |
| Livestock | Stage | Disease | Precautionary Practices to be followed |
| Poultry | All stages | | <ul style="list-style-type: none">• Vaccinate according to schedule, |
| Pigs | All stages | Swine fever | <ul style="list-style-type: none">• Vaccinate against swine fever,• Deworming,• Avoid scavenging, |
| Cattle | All stages | FMD/BQ Worm | <ul style="list-style-type: none">• Vaccination,• Deworming, |
| Fish | All stages | | <ul style="list-style-type: none">• Pond sides should be properly cleaned,• Harvest of mature fish, |
| <ul style="list-style-type: none">• Contact Scientists (ICAR) or State Agril Staff or KVK staff for any queries/measures against adverse conditions or call at 03795226247/37 | | | |

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ICAR, BASAR



Integrated Agro-Meteorological Advisory Services

ICAR Research Complex for NEH Region, Arunachal Pradesh Centre

West Siang, Basar – 791 101



(Upper Siang)

No:-42/2013-14/Tue

Dated: 10th September, 2013


Weather during the period

- Rainfall: -
N Tuting –mm

Weather Forecast

| |
|---|
| • <u>Rainfall</u> – Partially cloudy/clear weather is forecasted for next 2/3 day. Light rain may occur on some days, |
| • <u>Temperature</u> - The temperature is likely to be in the range of 8-15°C. |
| • <u>Relative Humidity</u> - The RH is likely to be in the range of 62-96 %. |

Weather Based Agro-meteorological Advisories Bulletin

| Crop | Stage | Pest/Disease | Precautionary Practices to be followed |
|---|---|--|---|
| VEGETABLE CROPS | | | |
| <ul style="list-style-type: none">• <i>In present weather conditions farmers are advised to prepare nursery for sowing of cruciferous vegetables. Raised seed bed should be prepared. Use well decomposed cow dung/fully mature FYM.</i>• <i>Seed treatment with Captan @ 2 gms per kilogram seeds should be done,</i>• <i>Regularly monitor to maintain appropriate moisture level in the nursery.</i> | | | |
| Cauliflower/ Cabbage/ Radish | Nursery preparation | Wilting/ Colar rot/ Damping off | <ul style="list-style-type: none">• In view of cool and moist weather in the coming days farmers are advised to prepare nursery,• Maintain appropriate moisture level in the nursery,• Seed treatment is extremely important with appropriate fungicide/insecticide,• Soil drenching with Captan (@3grams/litre of water) or Bavistin (@ 2 grams per litre of water) is advised, |
| Radish | Sowing | Damping off | <ul style="list-style-type: none">• Keeping present weather conditions in view sowing of good quality seeds should be done,• Regular monitoring of crop for attack of damping off should be done, |
| Spinach | Sowing | | <ul style="list-style-type: none">• Sowing of certified/locally available seeds in well prepared nursery may be done,• Periodical weeding is very important, |
| Cucurbits | Harvest | Fruit fly  | <ul style="list-style-type: none">• Severe fruit fly damage is reported from most of the places,• Collection/deep burying (Atleast 4 feet deep) of infected fruit,• Spraying of Malathion @ 3ml per litre of water is advised |
| FIELD CROPS | | | |
| Jhum Rice | Harvest | Rat | <ul style="list-style-type: none">• In view clear/partially cloudy weather for the next 2/3 days, farmers are advised to immediately harvest the crop and properly dry the grains,• Wherever rat menace is there, install rat trap,• <i>Herein, farmers are advised not to kill snakes as far as possible, as they are the main biological agent which check rodent population,</i> |
| WRC rice- Early crop | Maturity/ Harvest | Rat | <ul style="list-style-type: none">• In view partially cloudy/clear weather, farmers are advised to immediately harvest the mature crop and properly dry the grains,• Wherever rat menace is there, install rat trap, |
| WRC rice – Main crop (Mipun) | Tillering, Booting Flowering Milking stage | Gundhi bug | <ul style="list-style-type: none">• Collect/destroy bugs found in the field,• If damage level is high, use Malathion dust 5%,• Weeding is also advised,• |
| Sesame (Til) | Field preparation Sowing | | <ul style="list-style-type: none">• In present weather conditions farmers are advised to prepare field for sowing of quality seeds of sesame,• Seed treatment is advised, |
| Mustard | Field preparation | | <ul style="list-style-type: none">• Taking advantage of the recent rains farmers are advised for field preparation,• Procure quality seeds. Seed treatment is highly |

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| | | | recommended, |
| It is also advised from KVK and ICAR that farmers may use zero tillage technology in harvested paddy fields in upland/WRC for sowing of Pea. In this method without ploughing, sowing of pea may be done to use moisture of rice field and straw of rice as organic manure. Taking into account the rainfall recorded during last week, this technology may also be used in harvested <i>Jhum</i> rice field. | | | |
| Maize | Field preparation Sowing | Cut worm | <ul style="list-style-type: none">Field preparation for sowing of good quality (certified) seeds,Seeds should be properly treated before sowing,Monitor for attack of cut worm in the germinated fields,Manual collection of larvae during the evening hours may be done, (If damage level is not serious). Use of Carbaryl dust in severely damaged fields may be done, |
| Pea | Field preparation Sowing | | |
| It is also advised from KVK and ICAR that farmers may use zero tillage technology in harvested paddy fields in upland/WRC for sowing of Pea. In this method without ploughing, sowing of pea may be done to use moisture of rice field and straw of rice as organic manure. | | | |
| FRUIT CROPS | | | |
| Khasi Mandarin | Fruiting | Trunk borer, Ants Lichen/ Mosses Fruit fly | <ul style="list-style-type: none">In present weather conditions farmers are advised to clean the basin along with dropped fruits.Cleaning of entry hole and treatment with Dichlorvos dipped cotton swabs is advised.Use of light trap to attract adults is also advised.Weeding around basin,Farmers are advised to use <i>Jaggary</i>/Malathion traps or pheromone traps to monitor the pest population and collect and destroy the adults insects, |
| LIVESTOCKS | | | |
| Farmers are advised not to follow the IFS model of Pig+fish+poultry/duckery as it causes zoonotic diseases. | | | |
| Livestock | Stage | Disease | Precautionary Practices to be followed |
| Poultry | All stages | | <ul style="list-style-type: none">Vaccinate according to schedule, |
| Pigs | All stages | Swine fever | <ul style="list-style-type: none">Vaccinate against swine fever,Deworming,Avoid scavenging, |
| Cattle/Mithun | All stages | FMD/BQ Worm | <ul style="list-style-type: none">Vaccination,Deworming, |
| Fish | All stages | | <ul style="list-style-type: none">Pond sides should be properly cleaned,Harvest of mature fish, |
| <ul style="list-style-type: none">Contact Scientists (ICAR) or State Agril Staff or KVK staff for any queries/measures against adverse conditions or call at 03795226247/37 | | | |

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

Agro Meteorological Field Unit
 ICAR, BASAR



Integrated Agro-Meteorological Advisory Services

ICAR Research Complex for NEH Region, Arunachal Pradesh Centre

West Siang, Basar – 791 101



(Upper Subansiri)

No:-42/2013-14/Tue

Dated: 10th September, 2013


Weather during the period

- Rainfall: -
 - Daporijo- NA

Weather Forecast

| |
|--|
| • <u>Rainfall</u> –Clear weather is forecasted for next 2/3 day. Partial cloudiness with light rain may occur on some days, |
| • <u>Temperature</u> - The temperature is likely to be in the range of 7-18°C. |
| • <u>Relative Humidity</u> - The RH is likely to be in the range of 51-94 %. |

Weather Based Agro-meteorological Advisories Bulletin

| Crop | Stage | Pest/Disease | Precautionary Practices to be followed |
|---|---|--|---|
| VEGETABLE CROPS | | | |
| <ul style="list-style-type: none">• <i>In present weather conditions farmers are advised to prepare nursery for sowing of cruciferous vegetables. Raised seed bed should be prepared. Use well decomposed cow dung/fully mature FYM.</i>• <i>Seed treatment with Captan @ 2 gms per kilogram seeds should be done,</i>• <i>Regularly monitor to maintain appropriate moisture level in the nursery.</i> | | | |
| Cauliflower/ Cabbage/ Radish | Nursery preparation | Wilting/ Colar rot/ Damping off | <ul style="list-style-type: none">• In view of cool and moist weather in the coming days farmers are advised to prepare nursery,• Maintain appropriate moisture level in the nursery,• Seed treatment is extremely important with appropriate fungicide/insecticide,• Soil drenching with Captan (@3grams/litre of water) or Bavistin (@ 2 grams per litre of water) is advised, |
| Radish | Sowing | Damping off | <ul style="list-style-type: none">• Keeping present weather conditions in view sowing of good quality seeds should be done,• Regular monitoring of crop for attack of damping off should be done, |
| Spinach | Sowing | | <ul style="list-style-type: none">• Sowing of certified/locally available seeds in well prepared nursery may be done,• Periodical weeding is very important, |
| Cucurbits | Harvest | Fruit fly  | <ul style="list-style-type: none">• Severe fruit fly damage is reported from most of the places,• Collection/deep burying (Atleast 4 feet deep) of infected fruit,• Spraying of Malathion @ 3ml per litre of water is advised |
| FIELD CROPS | | | |
| Jhum Rice | Harvest | Rat | <ul style="list-style-type: none">• In view clear/partially cloudy weather for the next 2/3 days, farmers are advised to immediately harvest the crop and properly dry the grains,• Wherever rat menace is there, install rat trap,• <i>Herein, farmers are advised not to kill snakes as far as possible, as they are the main biological agent which check rodent population,</i> |
| WRC rice- Early crop | Maturity/ Harvest | Rat | <ul style="list-style-type: none">• In view partially cloudy/clear weather, farmers are advised to immediately harvest the mature crop and properly dry the grains,• Wherever rat menace is there, install rat trap, |
| WRC rice – Main crop (Mipun) | Tillering, Booting Flowering Milking stage | Gundhi bug | <ul style="list-style-type: none">• Collect/destroy bugs found in the field,• If damage level is high, use Malathion dust 5%,• Weeding is also advised, |
| Mustard | Field preparation | | <ul style="list-style-type: none">• Taking advantage of the recent rains farmers are advised for field preparation,• Procure quality seeds. Seed treatment is highly recommended, |

It is also advised from KVK and ICAR that farmers may use zero tillage technology in harvested paddy fields in upland/WRC for sowing of Pea. In this method without ploughing, sowing of pea may be done to use moisture of rice field and straw of rice as organic manure. Taking into account the rainfall recorded during last week, this technology may also be used in harvested *Jhum* rice field.

| | | | |
|-------|-----------------------------|----------|---|
| Maize | Field preparation Sowing | Cut worm | <ul style="list-style-type: none">Field preparation for sowing of good quality (certified) seeds,Seeds should be properly treated before sowing,Monitor for attack of cut worm in the germinated fields,Manual collection of larvae during the evening hours may be done, (If damage level is not serious). Use of Carbaryl dust in severely damaged fields may be done, |
| Pea | Field preparation Sowing | | |

It is also advised from KVK and ICAR that farmers may use zero tillage technology in harvested paddy fields in upland/WRC for sowing of Pea. In this method without ploughing, sowing of pea may be done to use moisture of rice field and straw of rice as organic manure.

| FRUIT CROPS | | | |
|----------------|----------|--|---|
| Khasi Mandarin | Fruiting | Trunk borer, Ants Lichen/ Mosses Fruit fly | <ul style="list-style-type: none">In present weather conditions farmers are advised to clean the basin along with dropped fruits.Cleaning of entry hole and treatment with Dichlorvos dipped cotton swabs is advised.Use of light trap to attract adults is also advised.Weeding around basin,Farmers are advised to use <i>Jaggary</i>/Malathion traps or pheromone traps to monitor the pest population and collect and destroy the adults insects, |

LIVESTOCKS

Farmers are advised not to follow the IFS model of Pig+fish+poultry/duckery as it causes zoonotic diseases.

| Livestock | Stage | Disease | Precautionary Practices to be followed |
|---------------|------------|----------------|---|
| Poultry | All stages | | <ul style="list-style-type: none">Vaccinate according to schedule, |
| Pigs | All stages | Swine fever | <ul style="list-style-type: none">Vaccinate against swine fever,Deworming,Avoid scavenging, |
| Cattle/Mithun | All stages | FMD/BQ Worm | <ul style="list-style-type: none">Vaccination,Deworming, |
| Goat/Sheep | All stages | | <ul style="list-style-type: none">Deworming and vaccination. |
| Fish | All stages | | <ul style="list-style-type: none">Pond sides should be properly cleaned,Harvest of mature fish, |

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

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

Agro Meteorological Field Unit
ICAR, BASAR



Integrated Agro-Meteorological Advisory Services

ICAR Research Complex for NEH Region, Arunachal Pradesh Centre

West Siang, Basar – 791 101



(West Kameng)

No:-42/2013-14/Tue

Dated: 10th September, 2013

Weather during the period

- Rainfall: - Bomdila – NA
Bhalokpung –NA

Weather Forecast

- Rainfall-Partially cloudy/clear weather with possibility of light rains on some days.
- Temperature - The temperature is likely to be in the range of 9-19°C.
- Relative Humidity - The RH is likely to be in the range of 59-96%.

Weather Based Agro-meteorological Advisories Bulletin

| Crop | Stage | Pest/Disease | Precautionary Practices to be followed |
|--|------------------------|------------------------|--|
| FRUITS | | | |
| Apple | Harvesting | Fruit Fly | <ul style="list-style-type: none">• Monitoring of fruit fly damage is also advised,• Collection/deep burying (Atleast 4 feet deep) of infected fruit,• If extreme damage is noticed, spraying of Malathion @ 3ml per litre of water is advised,• Installation of light traps to capture adults. |
| | | Trunk Borer | <ul style="list-style-type: none">• Urgent/immediate treatment of affected parts of trees, |
| VEGETABLE CROPS | | | |
| Cauliflower / Cabbage/ Radish | Harvesting | Cutworm | <ul style="list-style-type: none">• Monitor crop against attack of cutworm in the field,• In present weather conditions, monitor the crop against attack of DBM caterpillars,• If damage level is high, spraying of <i>Bt</i> formulation may be done, |
| Radish | Vegetative Maturity | | <ul style="list-style-type: none">• Harvest, |
| Mustard (leafy vegetables) | Sowing | | <ul style="list-style-type: none">• Sowing of good quality seeds for leafy vegetable purpose may be done, |
| LIVESTOCKS | | | |
| Livestock | Stage | Disease | Precautionary Practices to be followed |
| Poultry | All stages | | <ul style="list-style-type: none">• Provide adequate amount of potable water• Vaccinate according to schedule, |
| Cattle | All stages | FMD BQ Deworming | <ul style="list-style-type: none">• Vaccinate as per schedule,• Deworming with Briben Plus is advised, |
| Goat/Sheep | All stages | | <ul style="list-style-type: none">• Deworming and vaccination. |

Contact Scientists (ICAR) or State Agril Staff or KVK staff for measures against adverse conditions or call at 03795222247 (KVK, West Siang)

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Agrometeorological Field Unit
ICAR, BASAR



Integrated Agro-Meteorological Advisory Services

ICAR Research Complex for NEH Region, Arunachal Pradesh Centre

West Siang, Basar – 791 101



(West Siang)

No:-42/2013-14/Tue

Dated: 10th September, 2013

Weather during the period


- During the period weather was clear/partially cloudy with light rains in few places.
- Maximum temperature: 29.0°C
- Minimum Temperature: 19.5°C
- Rainfall: 8.2 mm
- Evapotranspiration: - **NA**
- Relative Humidity (%):-72-96%
- Soil moisture (m²/ m²):0.26
- Prominent Wind Direction: South West (Morning hours) & South East (Afternoon)
- Average Wind Speed: **0.3 metres per second**
- Average Sunshine hours : **4.6 hours**

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

Weather Forecast

- | |
|--|
| • Rainfall – Clear weather is forecasted for next 2/3 days. Partial cloudiness with light rains in few places is forecasted on some days. |
| • Temperature – Temperature will vary between 11-23°C. |
| • Relative Humidity - The RH is likely to be in the range of 50-92 %. |

Weather Based Agro-meteorological Advisories Bulletin

| Crop | Stage | Pest/Disease | Precautionary Practices to be followed |
|---|------------------------|--|---|
| VEGETABLE CROPS | | | |
| <ul style="list-style-type: none">• <i>In present weather conditions farmers are advised to prepare nursery for sowing of cruciferous vegetables. Raised seed bed should be prepared. Use well decomposed cow dung/fully mature FYM.</i>• <i>Seed treatment with Captan @ 2 gms per kilogram seeds should be done,</i>• <i>Regularly monitor to maintain appropriate moisture level in the nursery.</i> | | | |
| Cauliflower/ Cabbage/ Radish | Nursery preparation | Wilting/ Collar rot/ Damping off | <ul style="list-style-type: none">• In view of cool and moist weather in the coming days farmers are advised to prepare nursery,• Maintain appropriate moisture level in the nursery,• Seed treatment is extremely important with appropriate fungicide/insecticide,• Soil drenching with Captan (@3grams/litre of water) or Bavistin (@ 2 grams per litre of water) is advised, |
| Radish | Sowing | Damping off | <ul style="list-style-type: none">• Keeping present weather conditions in view sowing of good quality seeds should be done,• Regular monitoring of crop for attack of damping off should be done, |
| Spinach | Sowing | | <ul style="list-style-type: none">• Sowing of certified/locally available seeds in well prepared nursery may be done,• Periodical weeding is very important, |
| Cucurbits | Harvest | Fruit fly  | <ul style="list-style-type: none">• Severe fruit fly damage is reported from most of the places,• Collection/deep burying (Atleast 4 feet deep) of infected fruit,• Spraying of Malathion @ 3ml per litre of water is advised |
| FIELD CROPS | | | |
| Jhum Rice | Harvest | Rat | <ul style="list-style-type: none">• In view clear/partially cloudy weather for the next 2/3 days, farmers are advised to immediately harvest the crop and properly dry the grains,• Wherever rat menace is there, install rat trap,• <i>Herein, farmers are advised not to kill snakes as far as possible, as they are the main biological agent which check rodent population,</i> |
| WRC rice- Early crop | Maturity/ Harvest | Rat | <ul style="list-style-type: none">• In view partially cloudy/clear weather, farmers are advised to immediately harvest the mature crop and properly dry the grains, |

| | | | |
|--|--|--|---|
| | | | <ul style="list-style-type: none">Wherever rat menace is there, install rat trap, |
| WRC rice – Main crop (<i>Mipun</i>) | Tillering, Booting Flowering Milking stage | Gundhi bug | <ul style="list-style-type: none">Collect/destroy bugs found in the field,If damage level is high, use Malathion dust 5%,Weeding is also advised, |
| Sesame (Til) | Field preparation Sowing | | <ul style="list-style-type: none">In present weather conditions farmers are advised to prepare field for sowing of quality seeds of sesame,Seed treatment is advised, |
| Mustard | Field preparation | | <ul style="list-style-type: none">Taking advantage of the recent rains farmers are advised for field preparation,Procure quality seeds. Seed treatment is highly recommended, |
| It is also advised from KVK and ICAR that farmers may use zero tillage technology in harvested paddy fields in upland/WRC for sowing of Pea. In this method without ploughing, sowing of pea may be done to use moisture of rice field and straw of rice as organic manure. Taking into account the rainfall recorded during last week, this technology may also be used in harvested <i>Jhum</i> rice field. | | | |
| Maize | Field preparation Sowing | Cut worm | <ul style="list-style-type: none">Field preparation for sowing of good quality (certified) seeds,Seeds should be properly treated before sowing,Monitor for attack of cut worm in the germinated fields,Manual collection of larvae during the evening hours may be done, (If damage level is not serious). Use of Carbaryl dust in severely damaged fields may be done, |
| Pea | Field preparation Sowing | | |
| It is also advised from KVK and ICAR that farmers may use zero tillage technology in harvested paddy fields in upland/WRC for sowing of Pea. In this method without ploughing, sowing of pea may be done to use moisture of rice field and straw of rice as organic manure. | | | |
| FRUIT CROPS | | | |
| Khasi Mandarin | Fruiting | Trunk borer, Ants Lichen/ Mosses Fruit fly | <ul style="list-style-type: none">In present weather conditions farmers are advised to clean the basin along with dropped fruits.Cleaning of entry hole and treatment with Dichlorvos dipped cotton swabs is advised.Use of light trap to attract adults is also advised.Weeding around basin,Farmers are advised to use <i>Jaggary</i>/Malathion traps or pheromone traps to monitor the pest population and collect and destroy the adults insects, |
| Banana | All stages | | <ul style="list-style-type: none">Removal of side suckers,Basin cleaning, |
| Guava | Fruiting | Fruit fly | <ul style="list-style-type: none">Racking of area under the basin may be done,Collect and destroy dropped fruits, |
| LIVESTOCKS | | | |
| Farmers are advised not to follow the IFS model of Pig+fish+poultry/duckery as it causes zoonotic diseases. | | | |
| Livestock | Stage | Disease | Precautionary Practices to be followed |
| Poultry | All stages | | <ul style="list-style-type: none">Vaccinate according to schedule, |
| Pigs | All stages | Swine fever | <ul style="list-style-type: none">Vaccinate against swine fever,Deworming,Avoid scavenging, |
| Cattle/Mithun | All stages | FMD/BQ Worm | <ul style="list-style-type: none">Vaccination,Deworming, |
| Rabbits | All stages | | <ul style="list-style-type: none">Keep strict vigil against coccidiosis |
| Dog | All stages | | <ul style="list-style-type: none">Vaccinate against rabies, |
| Goat/Sheep | All stages | | <ul style="list-style-type: none">Deworming and vaccination. |
| Fish | All stages | | <ul style="list-style-type: none">Pond sides should be properly cleaned,Harvest of mature fish, |
| <ul style="list-style-type: none">Contact Scientists (ICAR) or State Agril Staff or KVK staff for any queries/measures against adverse conditions or call at 03795226247/37 | | | |

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Agro Meteorological Field Unit
 ICAR, BASAR



Integrated Agro-Meteorological Advisory Services

ICAR Research Complex for NEH Region, Arunachal Pradesh Centre

West Siang, Basar – 791 101



(Changlang)

No:-42/2013-14/Tue

Dated: 10th September, 2013

Weather during the period

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

Weather Forecast

- **Rainfall** – Clear weather is forecasted for next 2/3 days. Partial cloudiness with light rains in few places is forecasted on some days.
- **Temperature** - The temperature is likely to be in the range of 12-27 °C.
- **Relative Humidity** - The RH is likely to be in the range of 48-100 %.

Weather Based Agro-meteorological Advisories Bulletin

| Crop | Stage | Pest/Disease | Precautionary Practices to be followed |
|---|---|---------------------------------------|---|
| VEGETABLE CROPS | | | |
| <ul style="list-style-type: none">• <i>In present weather conditions farmers are advised to prepare nursery for sowing of cruciferous vegetables. Raised seed bed should be prepared. Use well decomposed cow dung/fully mature FYM.</i>• <i>Seed treatment with Captan @ 2 gms per kilogram seeds should be done,</i>• <i>Regularly monitor to maintain appropriate moisture level in the nursery.</i> | | | |
| Cauliflower/ Cabbage/ Radish | Nursery preparation | Wilting/ Colar rot/ Damping off | <ul style="list-style-type: none">• In view of cool and moist weather in the coming days farmers are advised to prepare nursery,• Maintain appropriate moisture level in the nursery,• Seed treatment is extremely important with appropriate fungicide/insecticide,• Soil drenching with Captan (@3grams/litre of water) or Bavistin (@ 2 grams per litre of water) is advised, |
| Radish | Sowing | Damping off | <ul style="list-style-type: none">• Keeping present weather conditions in view sowing of good quality seeds should be done,• Regular monitoring of crop for attack of damping off should be done, |
| Spinach | Sowing | | <ul style="list-style-type: none">• Sowing of certified/locally available seeds in well prepared nursery may be done,• Periodical weeding is very important, |
| FIELD CROPS | | | |
| WRC rice – Main crop | Tillering, Booting Flowering Milking stage | Gundhi bug | <ul style="list-style-type: none">• Collect/destroy bugs found in the field,• If damage level is high, use Malathion dust 5%,• Weeding is also advised, |
| Sesame (Til) | Field preparation Sowing | | <ul style="list-style-type: none">• In present weather conditions farmers are advised to prepare field for sowing of quality seeds of sesame,• Seed treatment is advised, |
| Mustard | Field preparation | | <ul style="list-style-type: none">• Taking advantage of the recent rains farmers are advised for field preparation,• Procure quality seeds. Seed treatment is highly recommended, |
| It is also advised from KVK and ICAR that farmers may use zero tillage technology in harvested paddy fields in upland/WRC for sowing of Pea. In this method without ploughing, sowing of pea may be done to use moisture of rice field and straw of rice as organic manure. Taking into account the rainfall recorded during last week, this technology may also be used in harvested <i>Jhum</i> rice field. | | | |
| Maize | Field preparation Sowing | Cut worm | <ul style="list-style-type: none">• Field preparation for sowing of good quality (certified) seeds,• Seeds should be properly treated before sowing,• Monitor for attack of cut worm in the germinated fields,• Manual collection of larvae during the evening hours may be done, (If damage level is not serious). Use of Carbaryl dust in severely damaged fields may be done, |
| Pea | Field preparation Sowing | | |

It is also advised from KVK and ICAR that farmers may use zero tillage technology in harvested paddy fields in upland/WRC for sowing of Pea. In this method without ploughing, sowing of pea may be done to use moisture of rice field and straw of rice as organic manure.

| FRUIT CROPS | | | |
|----------------|----------|--|---|
| Khasi Mandarin | Fruiting | Trunk borer, Ants Lichen/ Mosses Fruit fly | <ul style="list-style-type: none">• In present weather conditions farmers are advised to clean the basin along with dropped fruits.• Cleaning of entry hole and treatment with Dichlorvos dipped cotton swabs is advised.• Use of light trap to attract adults is also advised.• Weeding around basin,• Farmers are advised to use <i>Jaggary</i>/Malathion traps or pheromone traps to monitor the pest population and collect and destroy the adults insects, |

LIVESTOCKS

Farmers are advised not to follow the IFS model of Pig+fish+poultry/duckery as it causes zoonotic diseases.

| Livestock | Stage | Disease | Precautionary Practices to be followed |
|-----------|------------|----------------|---|
| Poultry | All stages | | <ul style="list-style-type: none">• Vaccinate according to schedule, |
| Pigs | All stages | Swine fever | <ul style="list-style-type: none">• Vaccinate against swine fever,• Deworming,• Avoid scavenging, |
| Cattle | All stages | FMD/BQ Worm | <ul style="list-style-type: none">• Vaccination,• Deworming, |
| Fish | All stages | | <ul style="list-style-type: none">• Pond sides should be properly cleaned,• Harvest of mature fish, |

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



Integrated Agro-Meteorological Advisory Services

ICAR Research Complex for NEH Region, Arunachal Pradesh Centre

West Siang, Basar – 791 101



(Dibang Valley)

No:-42/2013-14/Tue

Dated: 10th September, 2013


Weather during the period

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

Weather Forecast

| |
|--|
| • Rainfall – Clear weather is forecasted for next 2/3 days. Partial cloudiness with light rains in few places is forecasted on some days. |
| • Temperature – Temperature will vary between 3-24 °C. |
| • Relative Humidity - The RH is likely to be in the range of 40-97 %. |

Weather Based Agro-meteorological Advisories Bulletin

| Crop | Stage | Pest/Disease | Precautionary Practices to be followed |
|---|---|--|--|
| VEGETABLE CROPS | | | |
| <ul style="list-style-type: none"> • <i>In present weather conditions farmers are advised to prepare nursery for sowing of cruciferous vegetables. Raised seed bed should be prepared. Use well decomposed cow dung/fully mature FYM.</i> • <i>Seed treatment with Captan @ 2 grams per kilogram seeds should be done,</i> • <i>Regularly monitor to maintain appropriate moisture level in the nursery.</i> | | | |
| Cauliflower/ Cabbage/ Radish | Nursery preparation | Wilting/ Colar rot/ Damping off | <ul style="list-style-type: none"> • In view of cool and moist weather in the coming days farmers are advised to prepare nursery, • Maintain appropriate moisture level in the nursery, • Seed treatment is extremely important with appropriate fungicide/insecticide, • Soil drenching with Captan (@3grams/litre of water) or Bavistin (@ 2 grams per litre of water) is advised, |
| Radish | Sowing | Damping off | <ul style="list-style-type: none"> • Keeping present weather conditions in view sowing of good quality seeds should be done, • Regular monitoring of crop for attack of damping off should be done, |
| Spinach | Sowing | | <ul style="list-style-type: none"> • Sowing of certified/locally available seeds in well prepared nursery may be done, • Periodical weeding is very important, |
| Cucurbits | Harvest | Fruit fly  | <ul style="list-style-type: none"> • Severe fruit fly damage is reported from most of the places, • Collection/deep burying (Atleast 4 feet deep) of infected fruit, • Spraying of Malathion @ 3ml per litre of water is advised |
| FIELD CROPS | | | |
| Jhum Rice | Harvest | Rat | <ul style="list-style-type: none"> • In view clear/partially cloudy weather for the next 2/3 days, farmers are advised to immediately harvest the crop and properly dry the grains, • Wherever rat menace is there, install rat trap, • <i>Herein, farmers are advised not to kill snakes as far as possible, as they are the main biological agent which check rodent population,</i> |
| WRC rice- Early crop | Maturity/ Harvest | Rat | <ul style="list-style-type: none"> • In view partially cloudy/clear weather, farmers are advised to immediately harvest the mature crop and properly dry the grains, • Wherever rat menace is there, install rat trap, |
| WRC rice – Main crop (Mipun) | Tillering, Booting Flowering Milking stage | Gundhi bug | <ul style="list-style-type: none"> • Collect/destroy bugs found in the field, • If damage level is high, use Malathion dust 5%, • Weeding is also advised, |
| Sesame (Til) | Field preparation Sowing | | <ul style="list-style-type: none"> • In present weather conditions farmers are advised to prepare field for sowing of quality seeds of sesame, • Seed treatment is advised, |

| | | | |
|---|-----------------------------|--|---|
| Mustard | Field preparation | | <ul style="list-style-type: none">• Taking advantage of the recent rains farmers are advised for field preparation,• Procure quality seeds. Seed treatment is highly recommended, |
| It is also advised from KVK and ICAR that farmers may use zero tillage technology in harvested paddy fields in upland/WRC for sowing of Pea. In this method without ploughing, sowing of pea may be done to use moisture of rice field and straw of rice as organic manure. Taking into account the rainfall recorded during last week, this technology may also be used in harvested <i>Jhum</i> rice field. | | | |
| Maize | Field preparation Sowing | Cut worm | <ul style="list-style-type: none">• Field preparation for sowing of good quality (certified) seeds,• Seeds should be properly treated before sowing,• Monitor for attack of cut worm in the germinated fields,• Manual collection of larvae during the evening hours may be done, (If damage level is not serious). Use of Carbaryl dust in severely damaged fields may be done, |
| Pea | Field preparation Sowing | | |
| It is also advised from KVK and ICAR that farmers may use zero tillage technology in harvested paddy fields in upland/WRC for sowing of Pea. In this method without ploughing, sowing of pea may be done to use moisture of rice field and straw of rice as organic manure. | | | |
| FRUIT CROPS | | | |
| Khasi Mandarin | Fruiting | Trunk borer, Ants Lichen/ Mosses Fruit fly | <ul style="list-style-type: none">• In present weather conditions farmers are advised to clean the basin along with dropped fruits.• Cleaning of entry hole and treatment with Dichlorvos dipped cotton swabs is advised.• Use of light trap to attract adults is also advised.• Weeding around basin,• Farmers are advised to use <i>Jaggary</i>/Malathion traps or pheromone traps to monitor the pest population and collect and destroy the adults insects, |
| Banana | All stages | | <ul style="list-style-type: none">• Removal of side suckers,• Basin cleaning, |
| Guava | Fruiting | Fruit fly | <ul style="list-style-type: none">• Racking of area under the basin may be done,• Collect and destroy dropped fruits, |
| LIVESTOCKS | | | |
| Farmers are advised not to follow the IFS model of Pig+fish+poultry/duckery as it causes zoonotic diseases. | | | |
| Livestock | Stage | Disease | Precautionary Practices to be followed |
| Poultry | All stages | | <ul style="list-style-type: none">• Vaccinate according to schedule, |
| Pigs | All stages | Swine fever | <ul style="list-style-type: none">• Vaccinate against swine fever,• Deworming,• Avoid scavenging, |
| Cattle/Mithun | All stages | FMD/BQ Worm | <ul style="list-style-type: none">• Vaccination,• Deworming, |
| Goat/Sheep | All stages | | <ul style="list-style-type: none">• Deworming and vaccination. |
| Fish | All stages | | <ul style="list-style-type: none">• Pond sides should be properly cleaned,• Harvest of mature fish, |
| <ul style="list-style-type: none">• Contact Scientists (ICAR) or State Agril Staff or KVK staff for any queries/measures against adverse conditions or call at 03795226247/37 | | | |

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Agro Meteorological Field Unit
 ICAR, BASAR



Integrated Agro-Meteorological Advisory Services

ICAR Research Complex for NEH Region, Arunachal Pradesh Centre

West Siang, Basar – 791 101



(East Kameng)

No:-42/2013-14/Tue

Dated: 10th September, 2013

Weather during the period


Rainfall: -

- Seppa – NA

Weather Forecast

| |
|---|
| • <u>Rainfall</u> –Clear/partially cloudy weather is forecasted. Partial cloudy weather with light rains may occur on some days, |
| • <u>Temperature</u> - The temperature is likely to be in the range of 7-19°C. |
| • <u>Relative Humidity</u> - The RH is likely to be in the range of 51-96%. |

Weather Based Agro-meteorological Advisories Bulletin

| Crop | Stage | Pest/Disease | Precautionary Practices to be followed |
|---|---|--|---|
| VEGETABLE CROPS | | | |
| <ul style="list-style-type: none">• <i>In present weather conditions farmers are advised to prepare nursery for sowing of cruciferous vegetables. Raised seed bed should be prepared. Use well decomposed cow dung/fully mature FYM.</i>• <i>Seed treatment with Captan @ 2 gms per kilogram seeds should be done,</i>• <i>Regularly monitor to maintain appropriate moisture level in the nursery.</i> | | | |
| Cauliflower/ Cabbage/ Radish | Nursery preparation | Wilting/ Colar rot/ Damping off | <ul style="list-style-type: none">• In view of cool and moist weather in the coming days farmers are advised to prepare nursery,• Maintain appropriate moisture level in the nursery,• Seed treatment is extremely important with appropriate fungicide/insecticide,• Soil drenching with Captan (@3grams/litre of water) or Bavistin (@ 2 grams per litre of water) is advised, |
| Radish | Sowing | Damping off | <ul style="list-style-type: none">• Keeping present weather conditions in view sowing of good quality seeds should be done,• Regular monitoring of crop for attack of damping off should be done, |
| Spinach | Sowing | | <ul style="list-style-type: none">• Sowing of certified/locally available seeds in well prepared nursery may be done,• Periodical weeding is very important, |
| Cucurbits | Harvest | Fruit fly  | <ul style="list-style-type: none">• Severe fruit fly damage is reported from most of the places,• Collection/deep burying (Atleast 4 feet deep) of infected fruit,• Spraying of Malathion @ 3ml per litre of water is advised |
| FIELD CROPS | | | |
| Jhum Rice | Harvest | Rat | <ul style="list-style-type: none">• In view clear/partially cloudy weather for the next 2/3 days, farmers are advised to immediately harvest the crop and properly dry the grains,• Wherever rat menace is there, install rat trap,• <i>Herein, farmers are advised not to kill snakes as far as possible, as they are the main biological agent which check rodent population,</i> |
| WRC rice- Early crop | Maturity/ Harvest | Rat | <ul style="list-style-type: none">• In view partially cloudy/clear weather, farmers are advised to immediately harvest the mature crop and properly dry the grains,• Wherever rat menace is there, install rat trap, |
| WRC rice – Main crop (Mipun) | Tillering, Booting Flowering Milking stage | Gundhi bug | <ul style="list-style-type: none">• Collect/destroy bugs found in the field,• If damage level is high, use Malathion dust 5%,• Weeding is also advised, |
| Sesame (Til) | Field preparation Sowing | | <ul style="list-style-type: none">• In present weather conditions farmers are advised to prepare field for sowing of quality seeds of sesame,• Seed treatment is advised, |

| | | | |
|---|-----------------------------|--|---|
| Mustard | Field preparation | | <ul style="list-style-type: none">• Taking advantage of the recent rains farmers are advised for field preparation,• Procure quality seeds. Seed treatment is highly recommended, |
| It is also advised from KVK and ICAR that farmers may use zero tillage technology in harvested paddy fields in upland/WRC for sowing of Pea. In this method without ploughing, sowing of pea may be done to use moisture of rice field and straw of rice as organic manure. Taking into account the rainfall recorded during last week, this technology may also be used in harvested <i>Jhum</i> rice field. | | | |
| Maize | Field preparation Sowing | Cut worm | <ul style="list-style-type: none">• Field preparation for sowing of good quality (certified) seeds,• Seeds should be properly treated before sowing,• Monitor for attack of cut worm in the germinated fields,• Manual collection of larvae during the evening hours may be done, (If damage level is not serious). Use of Carbaryl dust in severely damaged fields may be done, |
| Pea | Field preparation Sowing | | |
| It is also advised from KVK and ICAR that farmers may use zero tillage technology in harvested paddy fields in upland/WRC for sowing of Pea. In this method without ploughing, sowing of pea may be done to use moisture of rice field and straw of rice as organic manure. | | | |
| FRUIT CROPS | | | |
| Khasi Mandarin | Fruiting | Trunk borer, Ants Lichen/ Mosses Fruit fly | <ul style="list-style-type: none">• In present weather conditions farmers are advised to clean the basin along with dropped fruits.• Cleaning of entry hole and treatment with Dichlorvos dipped cotton swabs is advised.• Use of light trap to attract adults is also advised.• Weeding around basin,• Farmers are advised to use <i>Jaggary</i>/Malathion traps or pheromone traps to monitor the pest population and collect and destroy the adults insects, |
| Banana | All stages | | <ul style="list-style-type: none">• Removal of side suckers,• Basin cleaning, |
| Guava | Fruiting | Fruit fly | <ul style="list-style-type: none">• Racking of area under the basin may be done,• Collect and destroy dropped fruits, |
| LIVESTOCKS | | | |
| Farmers are advised not to follow the IFS model of Pig+fish+poultry/duckery as it causes zoonotic diseases. | | | |
| Livestock | Stage | Disease | Precautionary Practices to be followed |
| Poultry | All stages | | <ul style="list-style-type: none">• Vaccinate according to schedule, |
| Pigs | All stages | Swine fever | <ul style="list-style-type: none">• Vaccinate against swine fever,• Deworming,• Avoid scavenging, |
| Cattle/Mithun | All stages | FMD/BQ Worm | <ul style="list-style-type: none">• Vaccination,• Deworming, |
| Goat/Sheep | All stages | | <ul style="list-style-type: none">• Deworming and vaccination. |
| Fish | All stages | | <ul style="list-style-type: none">• Pond sides should be properly cleaned,• Harvest of mature fish, |
| <ul style="list-style-type: none">• Contact Scientists (ICAR) or State Agril Staff or KVK staff for any queries/measures against adverse conditions or call at 03795226247/37 | | | |

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ICAR Research Complex for NEH Region, Arunachal Pradesh Centre

West Siang, Basar – 791 101



(East Siang)

No:-42/2013-14/Tue

Dated: 10th September, 2013

Weather during the period

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

Weather Forecast

- Rainfall – Clear/partially cloudy weather is forecasted for next 2/3 days.
- Temperature – Temperature will vary between 22-32 °C.
- Relative Humidity - The RH is likely to be in the range of 49-96 %.

Weather Based Agro-meteorological Advisories Bulletin

| Crop | Stage | Pest/Disease | Precautionary Practices to be followed |
|---|---|--|---|
| VEGETABLE CROPS | | | |
| <ul style="list-style-type: none"><i>In present weather conditions farmers are advised to prepare nursery for sowing of cruciferous vegetables. Raised seed bed should be prepared. Use well decomposed cow dung/fully mature FYM.</i><i>Seed treatment with Captan @ 2 gms per kilogram seeds should be done,</i><i>Regularly monitor to maintain appropriate moisture level in the nursery.</i> | | | |
| Cauliflower/ Cabbage/ Radish | Nursery preparation | Wilting/ Colar rot/ Damping off | <ul style="list-style-type: none">In view of cool and moist weather in the coming days farmers are advised to prepare nursery,Maintain appropriate moisture level in the nursery,Seed treatment is extremely important with appropriate fungicide/insecticide,Soil drenching with Captan (@3grams/litre of water) or Bavistin (@ 2 grams per litre of water) is advised, |
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| Spinach | Sowing | | <ul style="list-style-type: none">Sowing of certified/locally available seeds in well prepared nursery may be done,Periodical weeding is very important, |
| Cucurbits | Harvest | Fruit fly  | <ul style="list-style-type: none">Severe fruit fly damage is reported from most of the places,Collection/deep burying (Atleast 4 feet deep) of infected fruit,Spraying of Malathion @ 3ml per litre of water is advised |
| FIELD CROPS | | | |
| WRC rice- Early crop | Maturity/ Harvest | Rat | <ul style="list-style-type: none">In view partially cloudy/clear weather, farmers are advised to immediately harvest the mature crop and properly dry the grains,Wherever rat menace is there, install rat trap, |
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| Sesame (Til) | Field preparation Sowing | | <ul style="list-style-type: none">In present weather conditions farmers are advised to prepare field for sowing of quality seeds of sesame,Seed treatment is advised, |
| Mustard | Field preparation | | <ul style="list-style-type: none">Taking advantage of the recent rains farmers are advised for field preparation,Procure quality seeds. Seed treatment is highly recommended, |
| It is also advised from KVK and ICAR that farmers may use zero tillage technology in harvested paddy fields in upland/WRC for sowing of Pea. In this method without ploughing, sowing of pea may be done to use moisture of rice field and straw of rice as organic manure. Taking into account the rainfall recorded during last week, this technology may also be used in harvested <i>Jhum</i> rice field. | | | |
| Maize | Field | Cut worm | <ul style="list-style-type: none">Field preparation for sowing of good quality (certified) seeds, |

| | preparation Sowing | | <ul style="list-style-type: none"> Seeds should be properly treated before sowing, Monitor for attack of cut worm in the germinated fields, Manual collection of larvae during the evening hours may be done, (If damage level is not serious). Use of Carbaryl dust in severely damaged fields may be done, |
|---|--------------------------------|--|---|
| Pea | Field preparation Sowing | | |
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| FRUIT CROPS | | | |
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| Banana | All stages | | <ul style="list-style-type: none"> Removal of side suckers, Basin cleaning, |
| Guava | Fruiting | Fruit fly | <ul style="list-style-type: none"> Racking of area under the basin may be done, Collect and destroy dropped fruits, |
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| Livestock | Stage | Disease | Precautionary Practices to be followed |
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| Pigs | All stages | Swine fever | <ul style="list-style-type: none"> Vaccinate against swine fever, Deworming, Avoid scavenging, |
| Cattle/Mithun | All stages | FMD/BQ Worm | <ul style="list-style-type: none"> Vaccination, Deworming, |
| Goat/Sheep | All stages | | <ul style="list-style-type: none"> Deworming and vaccination. |
| Fish | All stages | | <ul style="list-style-type: none"> Pond sides should be properly cleaned, Harvest of mature fish, |
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