



# Integrated Agro-Meteorological Advisory Services

ICAR Research Complex for NEH Region, Arunachal Pradesh Centre

West Siang, Basar – 791 101



(East Siang)

No:-50/2013-14/Tue

Dated: 8<sup>th</sup> October, 2013

## Weather during the period

- Maximum temperature: 29°C
- Minimum Temperature: 21.0°C
- Rainfall:  
Pasighat – 116.0 mm
- Relative humidity (%): 84-100

## Weather Forecast

- Rainfall – Clear/sunny weather forecasted for next 3-4 days. Minimum temperature would drop. During day hours humidity-would drop.
- Temperature – Temperature will vary between 11-32°C.
- Relative Humidity - The RH is likely to be in the range of 42-96 %.

## Weather Based Agro-meteorological Advisories Bulletin

Crop	Stage	Pest/Disease	Precautionary Practices to be followed
<b>VEGETABLE CROPS</b>			
<ul style="list-style-type: none"> <li>• <b>Sowing of certified/treated seeds should be done in present weather conditions.</b></li> </ul>			
Cauliflower/ Cabbage/ Radish	Nursery preparation/ Transplanting /vegetative	Cutworm  Wilting/ Colar rot/ Damping off	<ul style="list-style-type: none"> <li>• After transplanting healthy seedlings provide shade-banana leaf/sheath during day time,</li> <li>• In present weather conditions attack of cut worm has been reported. Farmers are advised to manually collect and destroy the larvae during the dusk hours or from the damaged seedling. Seed treatment must be done,</li> <li>• Nursery preparation for sowing of cruciferous vegetables. Raised seed bed should be prepared. Use well decomposed cow dung/fully mature FYM.</li> <li>• Seed treatment with Captan/Dithane M45 @ 2.5 grams per kilogram seeds (dry treatment) should be done,</li> <li>• Soil drenching with Captan (@3grams/litre of water) or Bavistin (@ 2 grams per litre of water) is advised,</li> </ul>
Radish	Sowing		<ul style="list-style-type: none"> <li>• <b>Thinning of crop may be done to maintain proper plant count,</b></li> </ul>
Carrot	Sowing		<ul style="list-style-type: none"> <li>• Sowing of quality seeds in well prepared field may be done,</li> <li>• Light interculture operations should be done,</li> </ul>
Spinach	Sowing		<ul style="list-style-type: none"> <li>• Sowing of certified/locally available seeds in well prepared nursery may be done,</li> <li>• <b>Light interculture operations should be done,</b></li> </ul>
<b>FIELD CROPS</b>			
Farmers are advised to sort the false smut affected seeds from the healthy seeds before storing.			
WRC rice- Early crop	Harvest	Rat	<ul style="list-style-type: none"> <li>• Wherever rat menace is there, install rat trap,</li> <li>• <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></li> </ul>
WRC rice – Main crop (Mipun)	Flowering Milking stage	<b>Gundhi bug</b>   Blast	<ul style="list-style-type: none"> <li>• In present weather conditions large scale attack of <b>Gundhi bug</b> has been reported from rice field. If damage level is high, use Malathion dust 5%,</li> <li>• It is also advised to manually collect and destroy bugs found in the field,</li> <li>• Following sanitation in the field is highly recommended,</li> <li>• Wherever blast is a major disease, need based spraying of Tilt @ 1 ml/litre of water may be done or alternate spraying of Carbandazim 12%+DithaneM45 65% may be done.</li> </ul>
Sesame (Til)	Field preparation Sowing		<ul style="list-style-type: none"> <li>• Sowing of treated seeds should be done at the earliest,</li> </ul>
Potato	Field preparation		<ul style="list-style-type: none"> <li>• In view of favourable temperature, farmers are advised to start sowing of good quality potato seeds. Before sowing treat the seeds.</li> </ul>

Turmeric and ginger	Growing	Soft rot, Shoot borer	<ul style="list-style-type: none"> <li>To control soft rot drench soil with Dithane M-45 @ 3 g/litre at 15 days interval.</li> <li>Spray Rogor @ 0.05% if infestation is observed,</li> </ul>
Mustard	Field preparation/ Sowing		<ul style="list-style-type: none"> <li>Farmers are advised sowing of certified treated seeds,</li> <li>Thinning may be done to maintain proper plant count,</li> </ul>

**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. The technology may also be used in harvested *Jhum* rice field where moisture stress is not extreme.**

Winter Maize	Field preparation Sowing	Cut worm	<ul style="list-style-type: none"> <li><b>Present weather conditions are best for sowing of treated seeds.</b></li> <li>Monitor for attack of cut worm in the germinated fields,</li> <li>Manual collection of larvae during the evening hours may be done, (If damage level is not serious). Use of Carbaryl dust in severely damaged fields may be done,</li> </ul>
Pea	Field 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

**In present weather conditions farmers are advised to apply mulch to conserve the moisture,**

Khasi Mandarin	Fruiting	Trunk borer, Ants Lichen/ Mosses Fruit fly	<ul style="list-style-type: none"> <li>Apply the III dose of fertilizers in the tree basin,</li> <li>In present weather conditions farmers are advised to clean the basin along with dropped fruits.</li> <li>In trunk borer attacked trees, cleaning of entry hole and treatment with Dichlorvos dipped cotton swabs is advised.</li> <li>Use of light trap to attract adults is also advised.</li> <li>Farmers are advised to use <i>Jaggary</i>/Malathion traps or pheromone traps to monitor the pest population and collect and destroy the adult insects. Installation of pheromone traps may also be done,</li> </ul>
Banana	All stages	Pseudostem weevil	<ul style="list-style-type: none"> <li>Removal of heavily infested plants and deep burial in the pits,</li> <li>Cleaning around the crop,</li> </ul>
Guava	Fruiting	Fruit fly	<ul style="list-style-type: none"> <li>Racking of area under the basin may be done,</li> <li>Collect and destroy dropped fruits,</li> </ul>

#### 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"> <li>Vaccinate according to schedule,</li> </ul>
Pigs	All stages	Swine fever	<ul style="list-style-type: none"> <li>Vaccinate against swine fever,</li> <li>Deworming,</li> <li>Avoid scavenging,</li> </ul>
Cattle/Mithun	All stages	FMD/BQ Worm	<ul style="list-style-type: none"> <li>Vaccination,</li> <li>Deworming,</li> </ul>
Fish	All stages		<ul style="list-style-type: none"> <li>Maintain adequate water level in the pond,</li> <li>Pond sides should be properly cleaned,</li> <li>Harvest of mature fish,</li> </ul>

- 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](mailto: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



(Lohit)

No:-50/2013-14/Tue

Dated: 8<sup>th</sup> October, 2013

## Weather during the period

- **Rainfall:** -
  - Tezu – 55.4 mm
  - Namsai – NA

## Weather Forecast

- **Rainfall:** Clear/sunny weather forecasted for next 3-4 days. Minimum temperature would drop. During day hours humidity-would drop.
- **Temperature** - The temperature is likely to be in the range of 1-32°C.
- **Relative Humidity** - The RH is likely to be in the range of 35-100 %.

## Weather Based Agro-meteorological Advisories Bulletin

Crop	Stage	Pest/Disease	Precautionary Practices to be followed
<b>VEGETABLE CROPS</b>			
• <b>Sowing of certified/treated seeds should be done in present weather conditions.</b>			
Cauliflower/ Cabbage/ Radish	Nursery preparation/ Transplanting /vegetative	Cutworm  Wilting/ Colar rot/ Damping off	<ul style="list-style-type: none"> <li>• After transplanting healthy seedlings provide shade-banana leaf/sheath during day time,</li> <li>• In present weather conditions attack of cut worm has been reported. Farmers are advised to manually collect and destroy the larvae during the dusk hours or from the damaged seedling. Seed treatment must be done,</li> <li>• Nursery preparation for sowing of cruciferous vegetables. Raised seed bed should be prepared. Use well decomposed cow dung/fully mature FYM.</li> <li>• Seed treatment with Captan/Dithane M45 @ 2.5 grams per kilogram seeds (dry treatment) should be done,</li> <li>• Soil drenching with Captan (@3grams/litre of water) or Bavistin (@ 2 grams per litre of water) is advised,</li> </ul>
Radish	Sowing		<ul style="list-style-type: none"> <li>• <b>Thinning of crop may be done to maintain proper plant count,</b></li> </ul>
Carrot	Sowing		<ul style="list-style-type: none"> <li>• Sowing of quality seeds in well prepared field may be done,</li> <li>• Light interculture operations should be done,</li> </ul>
Spinach	Sowing		<ul style="list-style-type: none"> <li>• Sowing of certified/locally available seeds in well prepared nursery may be done,</li> <li>• <b>Light interculture operations should be done,</b></li> </ul>
<b>FIELD CROPS</b>			
WRC rice	Tillering, Booting Flowering Milking stage	<b>Gundhi bug</b>   Blast	<ul style="list-style-type: none"> <li>• In present weather conditions large scale attack of Gundhi bug has been reported from rice field. If damage level is high, use Malathion dust 5%,</li> <li>• It is also advised to manually collect and destroy bugs found in the field,</li> <li>• Following sanitation in the field is highly recommended,</li> <li>• Wherever blast is a major disease, need based spraying of Tilt @ 1 ml/litre of water may be done or alternate spraying of Carbandazim 12%+DithaneM45 65% may be done.</li> </ul>
Sesame (Til)	Field preparation Sowing		<ul style="list-style-type: none"> <li>• Sowing of treated seeds should be done at the earliest,</li> </ul>
Mustard	Field preparation/ Sowing		<ul style="list-style-type: none"> <li>• Farmers are advised sowing of certified treated seeds,</li> <li>• Thinning may be done to maintain proper plant count,</li> </ul>
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.			
Maize	Field preparation Sowing	Cut worm	<ul style="list-style-type: none"> <li>• Field preparation for sowing of good quality (certified) seeds,</li> <li>• Seeds should be properly treated before sowing,</li> </ul>
Pea	Field		<ul style="list-style-type: none"> <li>• Monitor for attack of cut worm in the germinated fields,</li> </ul>

	preparation Sowing		<ul style="list-style-type: none"> <li>Manual collection of larvae during the evening hours may be done, (If damage level is not serious). Use of Carbaryl dust in severely damaged fields may be done,</li> </ul>
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**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"> <li>Apply the III dose of fertilizers in the tree basin,</li> <li>In present weather conditions farmers are advised to clean the basin along with dropped fruits.</li> <li>In trunk borer attacked trees, cleaning of entry hole and treatment with Dichlorvos dipped cotton swabs is advised.</li> <li>Use of light trap to attract adults is also advised.</li> <li>Farmers are advised to use <i>Jaggary</i>/Malathion traps or pheromone traps to monitor the pest population and collect and destroy the adult insects. Installation of pheromone traps may also be done,</li> </ul>
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#### 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"> <li>Vaccinate according to schedule,</li> </ul>
Pigs	All stages	Swine fever	<ul style="list-style-type: none"> <li>Vaccinate against swine fever,</li> <li>Deworming,</li> <li>Avoid scavenging,</li> </ul>
Cattle	All stages	FMD/BQ Worm	<ul style="list-style-type: none"> <li>Vaccination,</li> <li>Deworming,</li> </ul>
Fish	All stages		<ul style="list-style-type: none"> <li>Pond sides should be properly cleaned,</li> <li>Harvest of mature fish,</li> </ul>

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

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**Agrometeorological Field Unit  
ICAR, BASAR**



# Integrated Agro-Meteorological Advisory Services

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



## (Lower Subansiri)

No:-50/2013-14/Tue

Dated: 8<sup>th</sup> October, 2013

### Weather during the period

- Rainfall: -  
1. Ziro – NA

### Weather Forecast

• <u>Rainfall</u> –Clear/sunny weather forecasted for next 3-4 days. Minimum temperature would drop. During day hours humidity-would drop.
• <u>Temperature</u> - The temperature is likely to be in the range of 3-27°C.
• <u>Relative Humidity</u> - The RH is likely to be in the range of 33-93 %.

### Weather Based Agro-meteorological Advisories Bulletin

Crop	Stage	Pest/Disease	Precautionary Practices to be followed
<b>VEGETABLE CROPS</b>			
• <b>Sowing of certified/treated seeds should be done in present weather conditions.</b>			
Cauliflower/ Cabbage/ Radish	Nursery preparation/ Transplanting /vegetative	Cutworm  Wilting/ Collar rot/ Damping off	<ul style="list-style-type: none"> <li>• After transplanting healthy seedlings provide shade-banana leaf/sheath during day time,</li> <li>• In present weather conditions attack of cut worm has been reported. Farmers are advised to manually collect and destroy the larvae during the dusk hours or from the damaged seedling. Seed treatment must be done,</li> <li>• Nursery preparation for sowing of cruciferous vegetables. Raised seed bed should be prepared. Use well decomposed cow dung/fully mature FYM.</li> <li>• Seed treatment with Captan/Dithane M45 @ 2.5 grams per kilogram seeds (dry treatment) should be done,</li> <li>• Soil drenching with Captan (@3grams/litre of water) or Bavistin (@ 2 grams per litre of water) is advised,</li> </ul>
Radish	Sowing		<ul style="list-style-type: none"> <li>• <b>Thinning of crop may be done to maintain proper plant count,</b></li> </ul>
Spinach	Sowing		<ul style="list-style-type: none"> <li>• Sowing of certified/locally available seeds in well prepared nursery may be done,</li> <li>• <b>Light interculture operations should be done,</b></li> </ul>
<b>FIELD CROPS</b>			
• <b>Farmers are advised to sort the false smut affected seeds from the healthy seeds before storing.</b>			
WRC rice- Early crop	Harvest	Rat	<ul style="list-style-type: none"> <li>• Wherever rat menace is there, install rat trap,</li> <li>• <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></li> </ul>
WRC rice – Main crop (Mipun)	Flowering Milking stage	<b>Gundhi bug</b>  Blast	<ul style="list-style-type: none"> <li>• In present weather conditions large scale attack of Gundhi bug has been reported from rice field. If damage level is high, use Malathion dust 5%,</li> <li>• It is also advised to manually collect and destroy bugs found in the field,</li> <li>• Following sanitation in the field is highly recommended,</li> <li>• Wherever blast is a major disease, need based spraying of Tilt @ 1 ml/litre of water may be done or alternate spraying of Carbandazim 12%+DithaneM45 65% may be done.</li> </ul>
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"> <li>• Field preparation for sowing of good quality (certified) seeds,</li> <li>• Seeds should be properly treated before sowing,</li> </ul>
Pea	Field preparation Sowing		<ul style="list-style-type: none"> <li>• Monitor for attack of cut worm in the germinated fields,</li> <li>• Manual collection of larvae during the evening hours may be done, (If damage level is not serious). Use of Carbaryl dust in severely damaged fields may be done,</li> </ul>

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

*In present weather conditions farmers are advised to apply mulch to conserve the moisture,*

Khasi Mandarin	Fruiting	Trunk borer, Ants Lichen/ Mosses Fruit fly	<ul style="list-style-type: none"> <li>Apply the III dose of fertilizers in the tree basin,</li> <li>In present weather conditions farmers are advised to clean the basin along with dropped fruits.</li> <li>In trunk borer attacked trees, cleaning of entry hole and treatment with Dichlorvos dipped cotton swabs is advised.</li> <li>Use of light trap to attract adults is also advised.</li> <li>Farmers are advised to use <i>Jaggary</i>/Malathion traps or pheromone traps to monitor the pest population and collect and destroy the adult insects. Installation of pheromone traps may also be done,</li> </ul>
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### 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"> <li>Vaccinate according to schedule,</li> </ul>
Pigs	All stages	Swine fever	<ul style="list-style-type: none"> <li>Vaccinate against swine fever,</li> <li>Deworming,</li> <li>Avoid scavenging,</li> </ul>
Cattle/Mithun	All stages	FMD/BQ Worm	<ul style="list-style-type: none"> <li>Vaccination,</li> <li>Deworming,</li> </ul>
Goat/Sheep	All stages		<ul style="list-style-type: none"> <li>Deworming and vaccination.</li> </ul>
Fish	All stages		<ul style="list-style-type: none"> <li>Pond sides should be properly cleaned,</li> <li>Harvest of mature fish,</li> </ul>

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

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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:-50/2013-14/Tue

Dated: 8<sup>th</sup> October, 2013

## Weather during the period

- Maximum temperature: 28.7°C
- Minimum Temperature: 21.7°C
- Relative Humidity (%):100-80
- Rainfall: -
  1. Itanagar – 5.0 mm
  2. Naharlagun – 62.2 mm

## Weather Forecast

- Rainfall – Clear/sunny weather forecasted for next 3-4 days. Minimum temperature would drop. During day hours humidity-would drop.
- Temperature - The temperature is likely to be in the range of 11-34°C.
- Relative Humidity - The RH is likely to be in the range of 41-98 %.

## Weather Based Agro-meteorological Advisories Bulletin

Crop	Stage	Pest/Disease	Precautionary Practices to be followed
<b>VEGETABLE CROPS</b>			
<ul style="list-style-type: none"> <li>• <b>Sowing of certified / treated seeds should be done in present weather conditions.</b></li> </ul>			
Cauliflower/ Cabbage/ Radish	Nursery preparation/ Transplanting /vegetative	Cutworm  Wilting/ Collar rot/ Damping off	<ul style="list-style-type: none"> <li>• <b>After transplanting healthy seedlings provide shade-banana leaf/sheath during day time,</b></li> <li>• In present weather conditions attack of cut worm has been reported. Farmers are advised to manually collect and destroy the larvae during the dusk hours or from the damaged seedling. Seed treatment must be done,</li> <li>• Nursery preparation for sowing of cruciferous vegetables. Raised seed bed should be prepared. Use well decomposed cow dung/fully mature FYM.</li> <li>• Seed treatment with Captan/Dithane M45 @ 2.5 grams per kilogram seeds (dry treatment) should be done,</li> <li>• Soil drenching with Captan (@3grams/litre of water) or Bavistin (@ 2 grams per litre of water) is advised,</li> </ul>
Radish	Sowing		<ul style="list-style-type: none"> <li>• <b>Thinning of crop may be done to maintain proper plant count,</b></li> </ul>
Carrot	Sowing		<ul style="list-style-type: none"> <li>• Sowing of quality seeds in well prepared field may be done,</li> <li>• Light interculture operations should be done,</li> </ul>
Spinach	Sowing		<ul style="list-style-type: none"> <li>• Sowing of certified/locally available seeds in well prepared nursery may be done,</li> <li>• <b>Light interculture operations should be done,</b></li> </ul>
<b>FIELD CROPS</b>			
Farmers are advised to sort the false smut affected seeds from the healthy seeds before storing.			
WRC rice- Early crop	Harvest	Rat	<ul style="list-style-type: none"> <li>• Wherever rat menace is there, install rat trap,</li> <li>• <b>Herein, farmers are advised not to kill snakes as far as possible, as they are the main biological agent which check rodent population,</b></li> </ul>
WRC rice – Main crop (Mipun)	Flowering Milking stage	<b>Gundhi bug</b>   Blast	<ul style="list-style-type: none"> <li>• <b>In present weather conditions large scale attack of Gundhi bug has been reported from rice field. If damage level is high, use Malathion dust 5%,</b></li> <li>• <b>It is also advised to manually collect and destroy bugs found in the field,</b></li> <li>• Following sanitation in the field is highly recommended,</li> <li>• Wherever blast is a major disease, need based spraying of Tilt @ 1 ml/litre of water may be done or alternate spraying of Carbandazim 12%+DithaneM45 65% may be done.</li> </ul>
Potato	Field preparation		<ul style="list-style-type: none"> <li>• In view of favourable temperature, farmers are advised to start sowing of good quality potato seeds. Before sowing treat the seeds.</li> </ul>
Turmeric and ginger	Growing	Soft rot,	<ul style="list-style-type: none"> <li>• To control soft rot drench soil with Dithane M-45 @ 3 g/litre at 15 days interval.</li> </ul>

		Shoot borer	<ul style="list-style-type: none"> <li>Spray Rogor @ 0.05% if infestation is observed,</li> </ul>
Mustard	Field preparation/ Sowing		<ul style="list-style-type: none"> <li>Farmers are advised sowing of certified treated seeds,</li> <li>Thinning may be done to maintain proper plant count,</li> </ul>

**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. The technology may also be used in harvested Jhum rice field where moisture stress is not extreme.**

Winter Maize	Field preparation Sowing	Cut worm	<ul style="list-style-type: none"> <li><b>Present weather conditions are best for sowing of treated seeds.</b></li> <li>Monitor for attack of cut worm in the germinated fields,</li> <li>Manual collection of larvae during the evening hours may be done, (If damage level is not serious). Use of Carbaryl dust in severely damaged fields may be done,</li> </ul>
Pea	Field 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

**In present weather conditions farmers are advised to apply mulch to conserve the moisture,**

Khasi Mandarin	Fruiting	Trunk borer, Ants Lichen/ Mosses Fruit fly	<ul style="list-style-type: none"> <li>Apply the III dose of fertilizers in the tree basin,</li> <li>In present weather conditions farmers are advised to clean the basin along with dropped fruits.</li> <li>In trunk borer attacked trees, cleaning of entry hole and treatment with Dichlorvos dipped cotton swabs is advised.</li> <li>Use of light trap to attract adults is also advised.</li> <li>Farmers are advised to use <i>Jaggary</i>/Malathion traps or pheromone traps to monitor the pest population and collect and destroy the adult insects. Installation of pheromone traps may also be done,</li> </ul>
Banana	All stages	Pseudostem weevil	<ul style="list-style-type: none"> <li>Removal of heavily infested plants and deep burial in the pits,</li> <li>Cleaning around the crop,</li> </ul>
Guava	Fruiting	Fruit fly	<ul style="list-style-type: none"> <li>Racking of area under the basin may be done,</li> <li>Collect and destroy dropped fruits,</li> </ul>

#### 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"> <li>Vaccinate according to schedule,</li> </ul>
Pigs	All stages	Swine fever	<ul style="list-style-type: none"> <li>Vaccinate against swine fever,</li> <li>Deworming,</li> <li>Avoid scavenging,</li> </ul>
Cattle/Mithun	All stages	FMD/BQ Worm	<ul style="list-style-type: none"> <li>Vaccination,</li> <li>Deworming,</li> </ul>
Fish	All stages		<ul style="list-style-type: none"> <li>Maintain adequate water level in the pond,</li> <li>Pond sides should be properly cleaned,</li> <li>Harvest of mature fish,</li> </ul>

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

**Agrometeorological Field Unit  
ICAR, BASAR**



# Integrated Agro-Meteorological Advisory Services

ICAR Research Complex for NEH Region, Arunachal Pradesh Centre

West Siang, Basar – 791 101



**(Tawang)**

No:-50/2013-14/Tue

Dated: 8<sup>th</sup> October, 2013

## Weather during the period

- Rainfall: -  
1. Tawang –30.0 mm

## Weather Forecast

- Rainfall — Clear/sunny weather forecasted for next 3-4 days. Minimum temperature would drop. During day hours humidity-would drop.
- Temperature - The temperature is likely to be in the range of 1-18°C.
- Relative Humidity - The RH is likely to be in the range of 34-96 %.

## Weather Based Agro-meteorological Advisories Bulletin

Crop	Stage	Pest/Disease	Precautionary Practices to be followed
<b>FRUITS</b>			
Apple	Harvesting	Fruit Fly  Trunk Borer	<ul style="list-style-type: none"> <li>• Monitor fruit fly damage,</li> <li>• Collection/deep burying (Atleast 4 feet deep) of infected fruit,</li> <li>• If extreme damage is noticed, spraying of Malathion @ 3ml per litre of water is advised,</li> <li>• Installation of light traps to capture adults.</li> <li>• Urgent/immediate treatment of affected parts of trees,</li> </ul>
<b>VEGETABLE CROPS</b>			
Cauliflower / Cabbage/ Radish	Harvesting	Cutworm  Diamond back moth	<ul style="list-style-type: none"> <li>• <b>Monitor crop against attack of cutworm in the field,</b></li> <li>• In present weather conditions, monitor the crop against attack of DBM caterpillars,</li> <li>• If damage level is high, spraying of <i>Bt</i> formulation may be done,</li> </ul>
Radish	Vegetative Maturity		<ul style="list-style-type: none"> <li>• <b>Harvest,</b></li> </ul>
Mustard (leafy vegetables)	Sowing		<ul style="list-style-type: none"> <li>• <b>Sowing of good quality seeds for leafy vegetable purpose may be done,</b></li> </ul>
<b>LIVESTOCKS</b>			
Livestock	Stage	Disease	Precautionary Practices to be followed
Poultry	All stages		<ul style="list-style-type: none"> <li>• Provide heat in the shed of chicks (use 100-200W filament bulb to light, that will provide adequate warmth)</li> <li>• Provide adequate amount of potable water</li> <li>• Vaccinate according to schedule,</li> </ul>
Cattle	All stages	FMD BQ Deworming	<ul style="list-style-type: none"> <li>• Vaccinate as per schedule,</li> <li>• Deworming with Briben Plus is advised,</li> </ul>
Goat/Sheep	All stages		<ul style="list-style-type: none"> <li>• Deworming and vaccination.</li> </ul>

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

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

Agrometeorological Field Unit  
ICAR, BASAR

**(Tirap)**

**No:-50/2013-14/Tue**

**Dated: 8<sup>th</sup> October, 2013**

### Weather during the period

- Rainfall: -
  - Khonsa –NA
  - Deomali –62.0 mm

### Weather Forecast

- |   |
|---|
| <ul style="list-style-type: none"> <li>• <b>Rainfall</b> – Clear/sunny weather forecasted for next 3-4 days. Minimum temperature would drop. During day hours humidity-would drop.</li> </ul> |
| <ul style="list-style-type: none"> <li>• <b>Temperature</b> - The temperature is likely to be in the range of 14-30°C.</li> </ul>   |
| <ul style="list-style-type: none"> <li>• <b>Relative Humidity</b> - The RH is likely to be in the range of 36-98 %.</li> </ul>  |

### Weather Based Agro-meteorological Advisories Bulletin

Crop	Stage	Pest/Disease	Precautionary Practices to be followed
<b>VEGETABLE CROPS</b>			
<b>• Sowing of certified/ treated seeds should be done in present weather conditions.</b>			
Cauliflower/ Cabbage/ Radish	Nursery preparation/ Transplanting /vegetative	Cutworm  Wilting/ Colar rot/ Damping off	<ul style="list-style-type: none"> <li>• <b>After transplanting healthy seedlings provide shade-banana leaf/sheath during day time,</b></li> <li>• In present weather conditions attack of cut worm has been reported. Farmers are advised to manually collect and destroy the larvae during the dusk hours or from the damaged seedling. Seed treatment must be done,</li> <li>• Nursery preparation for sowing of cruciferous vegetables. Raised seed bed should be prepared. Use well decomposed cow dung/fully mature FYM.</li> <li>• Seed treatment with Captan/Dithane M45 @ 2.5 grams per kilogram seeds (dry treatment) should be done,</li> <li>• Soil drenching with Captan (@3grams/litre of water) or Bavistin (@ 2 grams per litre of water) is advised,</li> </ul>
Radish	Sowing		<ul style="list-style-type: none"> <li>• <b>Thinning of crop may be done to maintain proper plant count,</b></li> </ul>
Carrot	Sowing		<ul style="list-style-type: none"> <li>• Sowing of quality seeds in well prepared field may be done,</li> <li>• Light interculture operations should be done,</li> </ul>
Spinach	Sowing		<ul style="list-style-type: none"> <li>• Sowing of certified/locally available seeds in well prepared nursery may be done,</li> <li>• <b>Light interculture operations should be done,</b></li> </ul>
<b>FIELD CROPS</b>			
WRC rice	Tillering, Booting Flowering Milking stage	<b>Gundhi bug</b>   Blast	<ul style="list-style-type: none"> <li>• <b>In present weather conditions large scale attack of Gundhi bug has been reported from rice field. If damage level is high, use Malathion dust 5%,</b></li> <li>• <b>It is also advised to manually collect and destroy bugs found in the field,</b></li> <li>• Following sanitation in the field is highly recommended,</li> <li>• Wherever blast is a major disease, need based spraying of Tilt @ 1 ml/litre of water may be done or alternate spraying of Carbandazim 12%+DithaneM45 65% may be done.</li> </ul>
Sesame (Til)	Field preparation Sowing		<ul style="list-style-type: none"> <li>• Sowing of treated seeds should be done at the earliest,</li> </ul>
Mustard	Field preparation/ Sowing		<ul style="list-style-type: none"> <li>• Farmers are advised sowing of certified treated seeds,</li> <li>• Thinning may be done to maintain proper plant count,</li> </ul>
<p><b>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.</b></p>			
Maize	Field preparation Sowing	Cut worm	<ul style="list-style-type: none"> <li>• Field preparation for sowing of good quality (certified) seeds,</li> <li>• Seeds should be properly treated before sowing,</li> </ul>
Pea	Field		<ul style="list-style-type: none"> <li>• Monitor for attack of cut worm in the germinated fields,</li> </ul>

	preparation Sowing		<ul style="list-style-type: none"> <li>Manual collection of larvae during the evening hours may be done, (If damage level is not serious). Use of Carbaryl dust in severely damaged fields may be done,</li> </ul>
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**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"> <li>Apply the III dose of fertilizers in the tree basin,</li> <li>In present weather conditions farmers are advised to clean the basin along with dropped fruits.</li> <li>In trunk borer attacked trees, cleaning of entry hole and treatment with Dichlorvos dipped cotton swabs is advised.</li> <li>Use of light trap to attract adults is also advised.</li> <li>Farmers are advised to use <i>Jaggary</i>/Malathion traps or pheromone traps to monitor the pest population and collect and destroy the adult insects. Installation of pheromone traps may also be done,</li> </ul>
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#### 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"> <li>Vaccinate according to schedule,</li> </ul>
Pigs	All stages	Swine fever	<ul style="list-style-type: none"> <li>Vaccinate against swine fever,</li> <li>Deworming,</li> <li>Avoid scavenging,</li> </ul>
Cattle	All stages	FMD/BQ Worm	<ul style="list-style-type: none"> <li>Vaccination,</li> <li>Deworming,</li> </ul>
Fish	All stages		<ul style="list-style-type: none"> <li>Pond sides should be properly cleaned,</li> <li>Harvest of mature fish,</li> </ul>

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**Agrometeorological Field Unit  
ICAR, BASAR**



# Integrated Agro-Meteorological Advisory Services

ICAR Research Complex for NEH Region, Arunachal Pradesh Centre

West Siang, Basar – 791 101



**(Upper Siang)**

**No:-50/2013-14/Tue**

**Dated: 8<sup>th</sup> October, 2013**

## Weather during the period

- **Rainfall:** -  
N Tuting –33.8 mm

## Weather Forecast

- **Rainfall** – Clear/sunny weather forecasted for next 3-4 days. Minimum temperature would drop. During day hours humidity-would drop.
- **Temperature** - The temperature is likely to be in the range of 1-27°C.
- **Relative Humidity** - The RH is likely to be in the range of 31-90 %.

## Weather Based Agro-meteorological Advisories Bulletin

Crop	Stage	Pest/Disease	Precautionary Practices to be followed
<b>VEGETABLE CROPS</b>			
<b><i>Sowing of certified/ treated seeds should be done in present weather conditions.</i></b>			
Cauliflower/ Cabbage/ Radish	Nursery preparation/ Transplanting /vegetative	Cutworm  Wilting/ Colar rot/ Damping off	<ul style="list-style-type: none"> <li>• <b>After transplanting healthy seedlings provide shade-banana leaf/sheath during day time,</b></li> <li>• In present weather conditions attack of cut worm has been reported. Farmers are advised to manually collect and destroy the larvae during the dusk hours or from the damaged seedling. Seed treatment must be done,</li> <li>• Nursery preparation for sowing of cruciferous vegetables. Raised seed bed should be prepared. Use well decomposed cow dung/fully mature FYM.</li> <li>• Seed treatment with Captan/Dithane M45 @ 2.5 grams per kilogram seeds (dry treatment) should be done,</li> <li>• Soil drenching with Captan (@3grams/litre of water) or Bavistin (@ 2 grams per litre of water) is advised,</li> </ul>
Radish	Sowing		<ul style="list-style-type: none"> <li>• <b>Thinning of crop may be done to maintain proper plant count,</b></li> </ul>
Carrot	Sowing		<ul style="list-style-type: none"> <li>• Sowing of quality seeds in well prepared field may be done,</li> <li>• Light interculture operations should be done,</li> </ul>
Spinach	Sowing		<ul style="list-style-type: none"> <li>• Sowing of certified/locally available seeds in well prepared nursery may be done,</li> <li>• <b>Light interculture operations should be done,</b></li> </ul>
<b>FIELD CROPS</b>			
Farmers are advised to sort the false smut affected seeds from the healthy seeds before storing.			
WRC rice- Early crop	Harvest	Rat	<ul style="list-style-type: none"> <li>• Wherever rat menace is there, install rat trap,</li> <li>• <b><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></b></li> </ul>
WRC rice – Main crop (Mipun)	Flowering Milking stage	<b>Gundhi bug</b>   Blast	<ul style="list-style-type: none"> <li>• <b>In present weather conditions large scale attack of Gundhi bug has been reported from rice field. If damage level is high, use Malathion dust 5%,</b></li> <li>• <b>It is also advised to manually collect and destroy bugs found in the field,</b></li> <li>• Following sanitation in the field is highly recommended,</li> <li>• Wherever blast is a major disease, need based spraying of Tilt @ 1 ml/litre of water may be done or alternate spraying of Carbandazim 12%+DithaneM45 65% may be done.</li> </ul>
Potato	Field preparation		<ul style="list-style-type: none"> <li>• In view of favourable temperature, farmers are advised to start sowing of good quality potato seeds. Before sowing treat the seeds.</li> </ul>
Turmeric and ginger	Growing	Soft rot,  Shoot borer	<ul style="list-style-type: none"> <li>• To control soft rot drench soil with Dithane M-45 @ 3 g/litre at 15 days interval.</li> <li>• Spray Rogor @ 0.05% if infestation is observed,</li> </ul>
Mustard	Field preparation/ Sowing		<ul style="list-style-type: none"> <li>• Farmers are advised sowing of certified treated seeds,</li> </ul>

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. The technology may also be used in harvested *Jhum* rice field where moisture stress is not extreme.

Winter Maize	Field preparation Sowing	Cut worm	<ul style="list-style-type: none"> <li>• Present weather conditions are best for sowing of treated seeds.</li> <li>• Monitor for attack of cut worm in the germinated fields,</li> <li>• Manual collection of larvae during the evening hours may be done, (If damage level is not serious). Use of Carbaryl dust in severely damaged fields may be done,</li> </ul>
Pea	Field 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

**In present weather conditions farmers are advised to apply mulch to conserve the moisture,**

Khasi Mandarin	Fruiting	Trunk borer, Ants Lichen/ Mosses Fruit fly	<ul style="list-style-type: none"> <li>• Apply the III dose of fertilizers in the tree basin,</li> <li>• In present weather conditions farmers are advised to clean the basin along with dropped fruits.</li> <li>• In trunk borer attacked trees, cleaning of entry hole and treatment with Dichlorvos dipped cotton swabs is advised.</li> <li>• Use of light trap to attract adults is also advised.</li> <li>• Farmers are advised to use <i>Jaggary</i>/Malathion traps or pheromone traps to monitor the pest population and collect and destroy the adult insects. Installation of pheromone traps may also be done,</li> </ul>
Banana	All stages	Pseudostem weevil	<ul style="list-style-type: none"> <li>• Removal of heavily infested plants and deep burial in the pits,</li> <li>• Cleaning around the crop,</li> </ul>
Guava	Fruiting	Fruit fly	<ul style="list-style-type: none"> <li>• Racking of area under the basin may be done,</li> <li>• Collect and destroy dropped fruits,</li> </ul>

#### 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"> <li>• Vaccinate according to schedule,</li> </ul>
Pigs	All stages	Swine fever	<ul style="list-style-type: none"> <li>• Vaccinate against swine fever,</li> <li>• Deworming,</li> <li>• Avoid scavenging,</li> </ul>
Cattle/Mithun	All stages	FMD/BQ Worm	<ul style="list-style-type: none"> <li>• Vaccination,</li> <li>• Deworming,</li> </ul>
Fish	All stages		<ul style="list-style-type: none"> <li>• Maintain adequate water level in the pond,</li> <li>• Pond sides should be properly cleaned,</li> <li>• Harvest of mature fish,</li> </ul>

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Agro Meteorological Field Unit  
ICAR, BASAR



# Integrated Agro-Meteorological Advisory Services

ICAR Research Complex for NEH Region, Arunachal Pradesh Centre

West Siang, Basar – 791 101



## (Upper Subansiri)

No:-50/2013-14/Tue

Dated: 8<sup>th</sup> October, 2013

### Weather during the period

- Rainfall: -
  - Daporijo- 3.0 mm

### Weather Forecast

- Rainfall – Clear/sunny weather forecasted for next 3-4 days. Minimum temperature would drop. During day hours humidity-would drop.
- Temperature - The temperature is likely to be in the range of 4-27°C.
- Relative Humidity - The RH is likely to be in the range of 39-95 %.

### Weather Based Agro-meteorological Advisories Bulletin

Crop	Stage	Pest/Disease	Precautionary Practices to be followed
<b>VEGETABLE CROPS</b>			
<i>Sowing of certified/ treated seeds should be done in present weather conditions.</i>			
Cauliflower/ Cabbage/ Radish	Nursery preparation/ Transplanting /vegetative	Cutworm  Wilting/ Colar rot/ Damping off	<ul style="list-style-type: none"> <li>• After transplanting healthy seedlings provide shade-banana leaf/sheath during day time,</li> <li>• In present weather conditions attack of cut worm has been reported. Farmers are advised to manually collect and destroy the larvae during the dusk hours or from the damaged seedling. Seed treatment must be done,</li> <li>• Nursery preparation for sowing of cruciferous vegetables. Raised seed bed should be prepared. Use well decomposed cow dung/fully mature FYM.</li> <li>• Seed treatment with Captan/Dithane M45 @ 2.5 grams per kilogram seeds (dry treatment) should be done,</li> <li>• Soil drenching with Captan (@3grams/litre of water) or Bavistin (@ 2 grams per litre of water) is advised,</li> </ul>
Radish	Sowing		<ul style="list-style-type: none"> <li>• <b>Thinning of crop may be done to maintain proper plant count,</b></li> </ul>
Carrot	Sowing		<ul style="list-style-type: none"> <li>• Sowing of quality seeds in well prepared field may be done,</li> <li>• Light interculture operations should be done,</li> </ul>
Spinach	Sowing		<ul style="list-style-type: none"> <li>• Sowing of certified/locally available seeds in well prepared nursery may be done,</li> <li>• <b>Light interculture operations should be done,</b></li> </ul>
<b>FIELD CROPS</b>			
Farmers are advised to sort the false smut affected seeds from the healthy seeds before storing.			
WRC rice- Early crop	Harvest	Rat	<ul style="list-style-type: none"> <li>• Wherever rat menace is there, install rat trap,</li> <li>• <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></li> </ul>
WRC rice – Main crop (Mipun)	Flowering Milking stage	<b>Gundhi bug</b>   Blast	<ul style="list-style-type: none"> <li>• In present weather conditions large scale attack of <b>Gundhi bug</b> has been reported from rice field. If damage level is high, use Malathion dust 5%,</li> <li>• It is also advised to manually collect and destroy bugs found in the field,</li> <li>• Following sanitation in the field is highly recommended,</li> <li>• Wherever blast is a major disease, need based spraying of Tilt @ 1 ml/litre of water may be done or alternate spraying of Carbandazim 12%+DithaneM45 65% may be done.</li> </ul>
Potato	Field preparation		<ul style="list-style-type: none"> <li>• In view of favourable temperature, farmers are advised to start sowing of good quality potato seeds. Before sowing treat the seeds.</li> </ul>
Turmeric and ginger	Growing	Soft rot,  Shoot borer	<ul style="list-style-type: none"> <li>• To control soft rot drench soil with Dithane M-45 @ 3 g/litre at 15 days interval.</li> <li>• Spray Rogor @ 0.05% if infestation is observed,</li> </ul>
Mustard	Field preparation/ Sowing		<ul style="list-style-type: none"> <li>• Farmers are advised sowing of certified treated seeds,</li> </ul>

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. The technology may also be used in harvested *Jhum* rice field where moisture stress is not extreme.

Winter Maize	Field preparation Sowing	Cut worm	<ul style="list-style-type: none"> <li>• Present weather conditions are best for sowing of treated seeds.</li> <li>• Monitor for attack of cut worm in the germinated fields,</li> <li>• Manual collection of larvae during the evening hours may be done, (If damage level is not serious). Use of Carbaryl dust in severely damaged fields may be done,</li> </ul>
Pea	Field 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

**In present weather conditions farmers are advised to apply mulch to conserve the moisture,**

Khasi Mandarin	Fruiting	Trunk borer, Ants Lichen/ Mosses Fruit fly	<ul style="list-style-type: none"> <li>• Apply the III dose of fertilizers in the tree basin,</li> <li>• In present weather conditions farmers are advised to clean the basin along with dropped fruits.</li> <li>• In trunk borer attacked trees, cleaning of entry hole and treatment with Dichlorvos dipped cotton swabs is advised.</li> <li>• Use of light trap to attract adults is also advised.</li> <li>• Farmers are advised to use <i>Jaggary</i>/Malathion traps or pheromone traps to monitor the pest population and collect and destroy the adult insects. Installation of pheromone traps may also be done,</li> </ul>
Banana	All stages	Pseudostem weevil	<ul style="list-style-type: none"> <li>• Removal of heavily infested plants and deep burial in the pits,</li> <li>• Cleaning around the crop,</li> </ul>
Guava	Fruiting	Fruit fly	<ul style="list-style-type: none"> <li>• Racking of area under the basin may be done,</li> <li>• Collect and destroy dropped fruits,</li> </ul>

#### 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"> <li>• Vaccinate according to schedule,</li> </ul>
Pigs	All stages	Swine fever	<ul style="list-style-type: none"> <li>• Vaccinate against swine fever,</li> <li>• Deworming,</li> <li>• Avoid scavenging,</li> </ul>
Cattle/Mithun	All stages	FMD/BQ Worm	<ul style="list-style-type: none"> <li>• Vaccination,</li> <li>• Deworming,</li> </ul>
Fish	All stages		<ul style="list-style-type: none"> <li>• Maintain adequate water level in the pond,</li> <li>• Pond sides should be properly cleaned,</li> <li>• Harvest of mature fish,</li> </ul>

- 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:-50/2013-14/Tue

Dated: 8<sup>th</sup> October, 2013

## Weather during the period

- Rainfall: - Bomdila –6.0 mm  
Bhalokpung – 95.8

## Weather Forecast

- Rainfall- Clear/sunny weather forecasted for next 3-4 days. Minimum temperature would drop. During day hours humidity-would drop.
- Temperature - The temperature is likely to be in the range of 1-32°C.
- Relative Humidity - The RH is likely to be in the range of 40-100 %.

### Weather Based Agro-meteorological Advisories Bulletin

Crop	Stage	Pest/Disease	Precautionary Practices to be followed
<b>FRUITS</b>			
Apple	Harvesting	Fruit Fly  Trunk Borer	<ul style="list-style-type: none"> <li>• Monitor fruit fly damage,</li> <li>• Collection/deep burying (Atleast 4 feet deep) of infected fruit,</li> <li>• If extreme damage is noticed, spraying of Malathion @ 3ml per litre of water is advised,</li> <li>• Installation of light traps to capture adults.</li> <li>• Urgent/immediate treatment of affected parts of trees,</li> </ul>
<b>VEGETABLE CROPS</b>			
Cauliflower / Cabbage/ Radish	Harvesting	Cutworm  Diamond back moth	<ul style="list-style-type: none"> <li>• <b>Monitor crop against attack of cutworm in the field,</b></li> <li>• In present weather conditions, monitor the crop against attack of DBM caterpillars,</li> <li>• If damage level is high, spraying of <i>Bt</i> formulation may be done,</li> </ul>
Radish	Vegetative Maturity		<ul style="list-style-type: none"> <li>• <b>Harvest,</b></li> </ul>
Mustard (leafy vegetables)	Sowing		<ul style="list-style-type: none"> <li>• <b>Sowing of good quality seeds for leafy vegetable purpose may be done,</b></li> </ul>
<b>LIVESTOCKS</b>			
Livestock	Stage	Disease	Precautionary Practices to be followed
Poultry	All stages		<ul style="list-style-type: none"> <li>• Provide heat in the shed of chicks (use 100-200W filament bulb to light, that will provide adequate warmth)</li> <li>• Provide adequate amount of potable water</li> <li>• Vaccinate according to schedule,</li> </ul>
Cattle	All stages	FMD BQ Deworming	<ul style="list-style-type: none"> <li>• Vaccinate as per schedule,</li> <li>• Deworming with Briben Plus is advised,</li> </ul>
Goat/Sheep	All stages		<ul style="list-style-type: none"> <li>• Deworming and vaccination.</li> </ul>

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

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

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

**Agrometeorological Field Unit  
ICAR, BASAR**



# Integrated Agro-Meteorological Advisory Services

ICAR Research Complex for NEH Region, Arunachal Pradesh Centre

West Siang, Basar – 791 101



(West Siang)

No:-50/2013-14/Tue

Dated: 8<sup>th</sup> October, 2013

## Weather during the period

• During the period weather was partially cloudy/cloudy and average temperature has gone down.

- Maximum temperature: **28.0°C**
- Minimum Temperature: **16.5°C**
- Rainfall: **16.0 mm**
- Evapotranspiration: **- 1.8 mm**
- Relative Humidity (%): **-50-100 %**
- Soil moisture ( $m^2 / m^2$ ): **0.24**
- Prominent Wind Direction: **North West (Morning hours) & South East (Afternoon)**
- Average Wind Speed: **0.2 metres per second**
- Average Sunshine hours : **3.6 hours**

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

## Weather Forecast

- Rainfall – Clear/sunny weather forecasted for next 3-4 days. Minimum temperature would drop. During day hours humidity-would drop.
- Temperature – Temperature will vary between 10-29°C.
- Relative Humidity - The RH is likely to be in the range of 39-94 %.

## Weather Based Agro-meteorological Advisories Bulletin

Crop	Stage	Pest/Disease	Precautionary Practices to be followed
<b>VEGETABLE CROPS</b>			
• <b><i>Sowing of certified / treated seeds should be done in present weather conditions.</i></b>			
Cauliflower/ Cabbage/ Radish	Nursery preparation/ Transplanting /vegetative	Cutworm  Wilting/ Collar rot/ Damping off	<ul style="list-style-type: none"> <li>• <b>After transplanting healthy seedlings provide shade-banana leaf/sheath during day time,</b></li> <li>• In present weather conditions attack of cut worm has been reported. Farmers are advised to manually collect and destroy the larvae during the dusk hours or from the damaged seedling. Seed treatment must be done,</li> <li>• Nursery preparation for sowing of cruciferous vegetables. Raised seed bed should be prepared. Use well decomposed cow dung/fully mature FYM.</li> <li>• Seed treatment with Captan/Dithane M45 @ 2.5 grams per kilogram seeds (dry treatment) should be done,</li> <li>• Soil drenching with Captan (@3grams/litre of water) or Bavistin (@ 2 grams per litre of water) is advised,</li> </ul>
Radish	Sowing		<ul style="list-style-type: none"> <li>• <b>Thinning of crop may be done to maintain proper plant count,</b></li> </ul>
Carrot	Sowing		<ul style="list-style-type: none"> <li>• Sowing of quality seeds in well prepared field may be done,</li> <li>• Light interculture operations should be done,</li> </ul>
Spinach	Sowing		<ul style="list-style-type: none"> <li>• Sowing of certified/locally available seeds in well prepared nursery may be done,</li> <li>• <b>Light interculture operations should be done,</b></li> </ul>
<b>FIELD CROPS</b>			
Farmers are advised to sort the false smut affected seeds from the healthy seeds before storing.			
WRC rice- Early crop	Harvest	Rat	<ul style="list-style-type: none"> <li>• Wherever rat menace is there, install rat trap,</li> <li>• <b><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></b></li> </ul>
WRC rice – Main crop (Mipun)	Flowering Milking stage	<b>Gundhi bug</b> 	<ul style="list-style-type: none"> <li>• <b>In present weather conditions large scale attack of Gundhi bug has been reported from rice field. If damage level is high, use Malathion dust 5%,</b></li> <li>• <b>It is also advised to manually collect and destroy bugs found in the field,</b></li> <li>• Following sanitation in the field is highly recommended,</li> </ul>

		Blast	<ul style="list-style-type: none"> <li>Wherever blast is a major disease, need based spraying of Tilt @ 1 ml/litre of water may be done or alternate spraying of Carbandazim 12%+DithaneM45 65% may be done.</li> </ul>
Sesame (Til)	Field preparation Sowing		<ul style="list-style-type: none"> <li>Sowing of treated seeds should be done at the earliest,</li> </ul>
Potato	Field preparation		<ul style="list-style-type: none"> <li>In view of favourable temperature, farmers are advised to start sowing of good quality potato seeds. Before sowing treat the seeds.</li> </ul>
Turmeric and ginger	Growing	Soft rot, Shoot borer	<ul style="list-style-type: none"> <li>To control soft rot drench soil with Dithane M-45 @ 3 g/litre at 15 days interval.</li> <li>Spray Rogor @ 0.05% if infestation is observed,</li> </ul>
Mustard	Field preparation/ Sowing		<ul style="list-style-type: none"> <li>Farmers are advised sowing of certified treated seeds,</li> <li>Thinning may be done to maintain proper plant count,</li> </ul>

**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. The technology may also be used in harvested *Jhum* rice field where moisture stress is not extreme.**

Winter Maize	Field preparation Sowing	Cut worm	<ul style="list-style-type: none"> <li><b>Present weather conditions are best for sowing of treated seeds.</b></li> <li>Monitor for attack of cut worm in the germinated fields,</li> <li>Manual collection of larvae during the evening hours may be done, (If damage level is not serious). Use of Carbaryl dust in severely damaged fields may be done,</li> </ul>
Pea	Field 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

**In present weather conditions farmers are advised to apply mulch to conserve the moisture,**

Khasi Mandarin	Fruiting	Trunk borer, Ants Lichen/ Mosses Fruit fly	<ul style="list-style-type: none"> <li>Apply the III dose of fertilizers in the tree basin,</li> <li>In present weather conditions farmers are advised to clean the basin along with dropped fruits.</li> <li>In trunk borer attacked trees, cleaning of entry hole and treatment with Dichlorvos dipped cotton swabs is advised.</li> <li>Use of light trap to attract adults is also advised.</li> <li>Farmers are advised to use <i>Jaggary</i>/Malathion traps or pheromone traps to monitor the pest population and collect and destroy the adult insects. Installation of pheromone traps may also be done,</li> </ul>
Banana	All stages	Pseudostem weevil	<ul style="list-style-type: none"> <li>Removal of heavily infested plants and deep burial in the pits,</li> <li>Cleaning around the crop,</li> </ul>
Guava	Fruiting	Fruit fly	<ul style="list-style-type: none"> <li>Racking of area under the basin may be done,</li> <li>Collect and destroy dropped fruits,</li> </ul>

#### 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"> <li>Vaccinate according to schedule,</li> </ul>
Pigs	All stages	Swine fever	<ul style="list-style-type: none"> <li>Vaccinate against swine fever,</li> <li>Deworming,</li> <li>Avoid scavenging,</li> </ul>
Cattle/Mithun	All stages	FMD/BQ Worm	<ul style="list-style-type: none"> <li>Vaccination,</li> <li>Deworming,</li> </ul>
Rabbits	All stages		<ul style="list-style-type: none"> <li>Keep strict vigil against coccidiosis</li> </ul>
Dog	All stages		<ul style="list-style-type: none"> <li>Vaccinate against rabies,</li> </ul>
Goat/Sheep	All stages		<ul style="list-style-type: none"> <li>Deworming and vaccination.</li> </ul>
Fish	All stages		<ul style="list-style-type: none"> <li>Maintain adequate water level in the pond,</li> <li>Pond sides should be properly cleaned,</li> <li>Harvest of mature fish,</li> </ul>

**• 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

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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:-50/2013-14/Tue

Dated: 8<sup>th</sup> October, 2013

## Weather during the period

- **Rainfall:** -
  - Changlang –44.0 mm
  - Miao – 32.4 mm

## Weather Forecast

- **Rainfall – Rainfall** –Clear/sunny weather forecasted for next 3-4 days. Minimum temperature would drop. During day hours humidity-would drop.
- **Temperature** - The temperature is likely to be in the range of 10-33 °C.
- **Relative Humidity** - The RH is likely to be in the range of 34-100 %.

## Weather Based Agro-meteorological Advisories Bulletin

Crop	Stage	Pest/Disease	Precautionary Practices to be followed
<b>VEGETABLE CROPS</b>			
• <b>Sowing of certified/treated seeds should be done in present weather conditions.</b>			
Cauliflower/ Cabbage/ Radish	Nursery preparation/ Transplanting /vegetative	Cutworm  Wilting/ Colar rot/ Damping off	<ul style="list-style-type: none"> <li>• <b>After transplanting healthy seedlings provide shade-banana leaf/sheath during day time,</b></li> <li>• In present weather conditions attack of cut worm has been reported. Farmers are advised to manually collect and destroy the larvae during the dusk hours or from the damaged seedling. Seed treatment must be done,</li> <li>• Nursery preparation for sowing of cruciferous vegetables. Raised seed bed should be prepared. Use well decomposed cow dung/fully mature FYM.</li> <li>• Seed treatment with Captan/Dithane M45 @ 2.5 grams per kilogram seeds (dry treatment) should be done,</li> <li>• Soil drenching with Captan (@3grams/litre of water) or Bavistin (@ 2 grams per litre of water) is advised,</li> </ul>
Radish	Sowing		<ul style="list-style-type: none"> <li>• <b>Thinning of crop may be done to maintain proper plant count,</b></li> </ul>
Carrot	Sowing		<ul style="list-style-type: none"> <li>• Sowing of quality seeds in well prepared field may be done,</li> <li>• Light interculture operations should be done,</li> </ul>
Spinach	Sowing		<ul style="list-style-type: none"> <li>• Sowing of certified/locally available seeds in well prepared nursery may be done,</li> <li>• <b>Light interculture operations should be done,</b></li> </ul>
<b>FIELD CROPS</b>			
WRC rice	Tillering, Booting Flowering Milking stage	<b>Gundhi bug</b>   Blast	<ul style="list-style-type: none"> <li>• <b>In present weather conditions large scale attack of Gundhi bug has been reported from rice field. If damage level is high, use Malathion dust 5%,</b></li> <li>• <b>It is also advised to manually collect and destroy bugs found in the field,</b></li> <li>• Following sanitation in the field is highly recommended,</li> <li>• Wherever blast is a major disease, need based spraying of Tilt @ 1 ml/litre of water may be done or alternate spraying of Carbandazim 12%+DithaneM45 65% may be done.</li> </ul>
Sesame (Til)	Field preparation Sowing		<ul style="list-style-type: none"> <li>• Sowing of treated seeds should be done at the earliest,</li> </ul>
Mustard	Field preparation/ Sowing		<ul style="list-style-type: none"> <li>• Farmers are advised sowing of certified treated seeds,</li> <li>• Thinning may be done to maintain proper plant count,</li> </ul>
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.			
Maize	Field preparation Sowing	Cut worm	<ul style="list-style-type: none"> <li>• Field preparation for sowing of good quality (certified) seeds,</li> </ul>

Pea	Field preparation Sowing		<ul style="list-style-type: none"> <li>• Seeds should be properly treated before sowing,</li> <li>• Monitor for attack of cut worm in the germinated fields,</li> <li>• Manual collection of larvae during the evening hours may be done, (If damage level is not serious). Use of Carbaryl dust in severely damaged fields may be done,</li> </ul>
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**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"> <li>• Apply the III dose of fertilizers in the tree basin,</li> <li>• In present weather conditions farmers are advised to clean the basin along with dropped fruits.</li> <li>• In trunk borer attacked trees, cleaning of entry hole and treatment with Dichlorvos dipped cotton swabs is advised.</li> <li>• Use of light trap to attract adults is also advised.</li> <li>• Farmers are advised to use <i>Jaggary</i>/Malathion traps or pheromone traps to monitor the pest population and collect and destroy the adult insects. Installation of pheromone traps may also be done,</li> </ul>
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#### 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"> <li>• Vaccinate according to schedule,</li> </ul>
Pigs	All stages	Swine fever	<ul style="list-style-type: none"> <li>• Vaccinate against swine fever,</li> <li>• Deworming,</li> <li>• Avoid scavenging,</li> </ul>
Cattle	All stages	FMD/BQ Worm	<ul style="list-style-type: none"> <li>• Vaccination,</li> <li>• Deworming,</li> </ul>
Fish	All stages		<ul style="list-style-type: none"> <li>• Pond sides should be properly cleaned,</li> <li>• Harvest of mature fish,</li> </ul>

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**Agrometeorological Field Unit  
ICAR, BASAR**



# Integrated Agro-Meteorological Advisory Services

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



## (Dibang Valley)

No:-50/2013-14/Tue

Dated: 8<sup>th</sup> October, 2013

### Weather during the period

- **Rainfall:** -
  - Roing – NA
  - Anini – 40.0 mm

### Weather Forecast

• <b>Rainfall</b> – Clear/sunny weather fcast for next 3-4 days. Min.temp. would drop.
• <b>Temperature</b> – -
• <b>Relative Humidity</b> - The RH is likely to be in the range of 40-100 %.

### Weather Based Agro-meteorological Advisories Bulletin

Crop	Stage	Pest/Disease	Precautionary Practices to be followed
<b>VEGETABLE CROPS</b>			
• <b>Sowing of certified/treated seeds should be done in present weather conditions.</b>			
Cauliflower/ Cabbage/ Radish	Nursery preparation/ Transplanting /vegetative	Cutworm  Wilting/ Colar rot/ Damping off	<ul style="list-style-type: none"> <li>• After transplanting healthy seedlings provide shade-banana leaf/sheath during day time,</li> <li>• In present weather conditions attack of cut worm has been reported. Farmers are advised to manually collect and destroy the larvae during the dusk hours or from the damaged seedling. Seed treatment must be done,</li> <li>• Nursery preparation for sowing of cruciferous vegetables. Raised seed bed should be prepared. Use well decomposed cow dung/fully mature FYM.</li> <li>• Seed treatment with Captan/Dithane M45 @ 2.5 grams per kilogram seeds (dry treatment) should be done,</li> <li>• Soil drenching with Captan (@3grams/litre of water) or Bavistin (@ 2 grams per litre of water) is advised,</li> </ul>
Radish	Sowing		<ul style="list-style-type: none"> <li>• <b>Thinning of crop may be done to maintain proper plant count,</b></li> </ul>
Carrot	Sowing		<ul style="list-style-type: none"> <li>• Sowing of quality seeds in well prepared field may be done,</li> <li>• Light interculture operations should be done,</li> </ul>
Spinach	Sowing		<ul style="list-style-type: none"> <li>• Sowing of certified/locally available seeds in well prepared nursery may be done,</li> <li>• <b>Light interculture operations should be done,</b></li> </ul>
<b>FIELD CROPS</b>			
Farmers are advised to sort the false smut affected seeds from the healthy seeds before storing.			
WRC rice- Early crop	Harvest	Rat	<ul style="list-style-type: none"> <li>• Wherever rat menace is there, install rat trap,</li> <li>• <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></li> </ul>
WRC rice – Main crop (Mipun)	Flowering Milking stage	<b>Gundhi bug</b>   Blast	<ul style="list-style-type: none"> <li>• <b>In present weather conditions large scale attack of Gundhi bug has been reported from rice field. If damage level is high, use Malathion dust 5%,</b></li> <li>• <b>It is also advised to manually collect and destroy bugs found in the field,</b></li> <li>• Following sanitation in the field is highly recommended,</li> <li>• Wherever blast is a major disease, need based spraying of Tilt @ 1 ml/litre of water may be done or alternate spraying of Carbandazim 12%+DithaneM45 65% may be done.</li> </ul>
Sesame (Til)	Field preparation Sowing		<ul style="list-style-type: none"> <li>• Sowing of treated seeds should be done at the earliest,</li> </ul>
Potato	Field preparation		<ul style="list-style-type: none"> <li>• In view of favourable temperature, farmers are advised to start sowing of good quality potato seeds. Before sowing treat the seeds.</li> </ul>
Turmeric and ginger	Growing	Soft rot,  Shoot borer	<ul style="list-style-type: none"> <li>• To control soft rot drench soil with Dithane M-45 @ 3 g/litre at 15 days interval.</li> <li>• Spray Rogor @ 0.05% if infestation is observed,</li> </ul>

Mustard	Field preparation/ Sowing		<ul style="list-style-type: none"> <li>• Farmers are advised sowing of certified treated seeds,</li> <li>• Thinning may be done to maintain proper plant count,</li> </ul>
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**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. The technology may also be used in harvested *Jhum* rice field where moisture stress is not extreme.**

Winter Maize	Field preparation Sowing	Cut worm	<ul style="list-style-type: none"> <li>• <b>Present weather conditions are best for sowing of treated seeds.</b></li> <li>• Monitor for attack of cut worm in the germinated fields,</li> <li>• Manual collection of larvae during the evening hours may be done, (If damage level is not serious). Use of Carbaryl dust in severely damaged fields may be done,</li> </ul>
Pea	Field 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

**In present weather conditions farmers are advised to apply mulch to conserve the moisture,**

Khasi Mandarin	Fruiting	Trunk borer, Ants Lichen/ Mosses Fruit fly	<ul style="list-style-type: none"> <li>• Apply the III dose of fertilizers in the tree basin,</li> <li>• In present weather conditions farmers are advised to clean the basin along with dropped fruits.</li> <li>• In trunk borer attacked trees, cleaning of entry hole and treatment with Dichlorvos dipped cotton swabs is advised.</li> <li>• Use of light trap to attract adults is also advised.</li> <li>• Farmers are advised to use <i>Jaggary</i>/Malathion traps or pheromone traps to monitor the pest population and collect and destroy the adult insects. Installation of pheromone traps may also be done,</li> </ul>
Banana	All stages	Pseudostem weevil	<ul style="list-style-type: none"> <li>• Removal of heavily infested plants and deep burial in the pits,</li> <li>• Cleaning around the crop,</li> </ul>
Guava	Fruiting	Fruit fly	<ul style="list-style-type: none"> <li>• Racking of area under the basin may be done,</li> <li>• Collect and destroy dropped fruits,</li> </ul>

#### 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"> <li>• Vaccinate according to schedule,</li> </ul>
Pigs	All stages	Swine fever	<ul style="list-style-type: none"> <li>• Vaccinate against swine fever,</li> <li>• Deworming,</li> <li>• Avoid scavenging,</li> </ul>
Cattle/Mithun	All stages	FMD/BQ Worm	<ul style="list-style-type: none"> <li>• Vaccination,</li> <li>• Deworming,</li> </ul>
Fish	All stages		<ul style="list-style-type: none"> <li>• Maintain adequate water level in the pond,</li> <li>• Pond sides should be properly cleaned,</li> <li>• Harvest of mature fish,</li> </ul>

- **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:-50/2013-14/Tue

Dated: 8<sup>th</sup> October, 2013

## Weather during the period

### Rainfall: -

- Seppa – 73.0 mm

### Weather Forecast

• <b>Rainfall</b> – Clear/sunny weather forecasted for next 3-4 days. Minimum temperature would drop. During day hours humidity-would drop.
• <b>Temperature</b> - The temperature is likely to be in the range of 3-32 °C.
• <b>Relative Humidity</b> - The RH is likely to be in the range of 40-100 %.

## Weather Based Agro-meteorological Advisories Bulletin

Crop	Stage	Pest/Disease	Precautionary Practices to be followed
<b>VEGETABLE CROPS</b>			
• <b>Sowing of certified/treated seeds should be done in present weather conditions.</b>			
Cauliflower/ Cabbage/ Radish	Nursery preparation/ Transplanting /vegetative	Cutworm  Wilting/ Colar rot/ Damping off	<ul style="list-style-type: none"> <li>• After transplanting healthy seedlings provide shade-banana leaf/sheath during day time,</li> <li>• In present weather conditions attack of cut worm has been reported. Farmers are advised to manually collect and destroy the larvae during the dusk hours or from the damaged seedling. Seed treatment must be done,</li> <li>• Nursery preparation for sowing of cruciferous vegetables. Raised seed bed should be prepared. Use well decomposed cow dung/fully mature FYM.</li> <li>• Seed treatment with Captan/Dithane M45 @ 2.5 grams per kilogram seeds (dry treatment) should be done,</li> <li>• Soil drenching with Captan (@3grams/litre of water) or Bavistin (@ 2 grams per litre of water) is advised,</li> </ul>
Radish	Sowing		<ul style="list-style-type: none"> <li>• <b>Thinning of crop may be done to maintain proper plant count,</b></li> </ul>
Carrot	Sowing		<ul style="list-style-type: none"> <li>• Sowing of quality seeds in well prepared field may be done,</li> <li>• Light interculture operations should be done,</li> </ul>
Spinach	Sowing		<ul style="list-style-type: none"> <li>• Sowing of certified/locally available seeds in well prepared nursery may be done,</li> <li>• <b>Light interculture operations should be done,</b></li> </ul>
<b>FIELD CROPS</b>			
Farmers are advised to sort the false smut affected seeds from the healthy seeds before storing.			
WRC rice- Early crop	Harvest	Rat	<ul style="list-style-type: none"> <li>• Wherever rat menace is there, install rat trap,</li> <li>• <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></li> </ul>
WRC rice – Main crop (Mipun)	Flowering Milking stage	<b>Gundhi bug</b>   Blast	<ul style="list-style-type: none"> <li>• <b>In present weather conditions large scale attack of Gundhi bug has been reported from rice field. If damage level is high, use Malathion dust 5%,</b></li> <li>• <b>It is also advised to manually collect and destroy bugs found in the field,</b></li> <li>• Following sanitation in the field is highly recommended,</li> <li>• Wherever blast is a major disease, need based spraying of Tilt @ 1 ml/litre of water may be done or alternate spraying of Carbandazim 12%+DithaneM45 65% may be done.</li> </ul>
Potato	Field preparation		<ul style="list-style-type: none"> <li>• In view of favourable temperature, farmers are advised to start sowing of good quality potato seeds. Before sowing treat the seeds.</li> </ul>
Turmeric and ginger	Growing	Soft rot,	<ul style="list-style-type: none"> <li>• To control soft rot drench soil with Dithane M-45 @ 3 g/litre at 15 days interval.</li> </ul>

		Shoot borer	<ul style="list-style-type: none"> <li>Spray Rogor @ 0.05% if infestation is observed,</li> </ul>
Mustard	Field preparation/ Sowing		<ul style="list-style-type: none"> <li>Farmers are advised sowing of certified treated seeds,</li> <li>Thinning may be done to maintain proper plant count,</li> </ul>
<p><b>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. The technology may also be used in harvested <i>Jhum</i> rice field where moisture stress is not extreme.</b></p>			
Winter Maize	Field preparation Sowing	Cut worm	<ul style="list-style-type: none"> <li><b>Present weather conditions are best for sowing of treated seeds.</b></li> <li>Monitor for attack of cut worm in the germinated fields,</li> <li>Manual collection of larvae during the evening hours may be done, (If damage level is not serious). Use of Carbaryl dust in severely damaged fields may be done,</li> </ul>
Pea	Field preparation Sowing		
<p><b>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.</b></p>			
<b>FRUIT CROPS</b>			
<b>In present weather conditions farmers are advised to apply mulch to conserve the moisture,</b>			
Khasi Mandarin	Fruiting	Trunk borer, Ants Lichen/ Mosses Fruit fly	<ul style="list-style-type: none"> <li>Apply the III dose of fertilizers in the tree basin,</li> <li>In present weather conditions farmers are advised to clean the basin along with dropped fruits.</li> <li>In trunk borer attacked trees, cleaning of entry hole and treatment with Dichlorvos dipped cotton swabs is advised.</li> <li>Use of light trap to attract adults is also advised.</li> <li>Farmers are advised to use <i>Jaggary</i>/Malathion traps or pheromone traps to monitor the pest population and collect and destroy the adult insects. Installation of pheromone traps may also be done,</li> </ul>
Banana	All stages	Pseudostem weevil	<ul style="list-style-type: none"> <li>Removal of heavily infested plants and deep burial in the pits,</li> <li>Cleaning around the crop,</li> </ul>
Guava	Fruiting	Fruit fly	<ul style="list-style-type: none"> <li>Racking of area under the basin may be done,</li> <li>Collect and destroy dropped fruits,</li> </ul>
<b>LIVESTOCKS</b>			
<p><b>Farmers are advised not to follow the IFS model of Pig+fish+poultry/duckery as it causes zoonotic diseases.</b></p>			
Livestock	Stage	Disease	Precautionary Practices to be followed
Poultry	All stages		<ul style="list-style-type: none"> <li>Vaccinate according to schedule,</li> </ul>
Pigs	All stages	Swine fever	<ul style="list-style-type: none"> <li>Vaccinate against swine fever,</li> <li>Deworming,</li> <li>Avoid scavenging,</li> </ul>
Cattle/Mithun	All stages	FMD/BQ Worm	<ul style="list-style-type: none"> <li>Vaccination,</li> <li>Deworming,</li> </ul>
Fish	All stages		<ul style="list-style-type: none"> <li>Maintain adequate water level in the pond,</li> <li>Pond sides should be properly cleaned,</li> <li>Harvest of mature fish,</li> </ul>
<ul style="list-style-type: none"> <li><b>Contact Scientists (ICAR) or State Agril Staff or KVK staff for any queries/measures against adverse conditions or call at 03795226247/37</b></li> </ul>			

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