

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



# (Changlang)

<u>No:-53/2013-14/Fri</u> <u>Dated: 18<sup>th</sup> October, 2013</u>

# Weather during the period

- Rainfall: -
  - Changlang –6.0 mm
  - Miao 0.0 mm

#### Weather Forecast

- Rainfall Partially cloudy/clear weather fcst with light rains/thundershowers in isolated places.
- **Temperature** The temperature is likely to be in the range of 22-33 °C.
- **Relative Humidity** The RH is likely to be in the range of 47-96 %.

#### Weather Based Agro-meteorological Advisories Bulletin

Crop	Stage	Pest/Disease	Precautionary Practices to be followed
		VI	EGETABLE CROPS
Cauliflower/ Cabbage/ Radish	Transplanting /Vegetative	Leaf eating caterpillars  Wilting/ Colar rot/ Damping off	<ul> <li>In present weather conditions attack of leaf eating caterpillars/ cut worm has been reported from different locations. Farmers are advised to manually collect and destroy the larvae.</li> <li>If attack is severe spraying of Imidacloprid 17SL @ 1/2 ml per litre of water is advised,</li> <li>If symptoms of wilting etc are observed, soil drenching with Captan (@ 3grams/litre of water or Bavistin (@ 2 grams per litre of water) is advised,</li> </ul>
Radish	Vegetative		• Thinning of crop may be done to maintain proper plant
			count,
Carrot	Vegetative		<ul> <li>Sowing of quality seeds in well prepared field may be done,</li> <li>Light interculture operations should be done,</li> </ul>
Spinach	Sowing/ Vegetative		• Sowing of certified/locally available seeds in well prepared nursery may be done,
			• Light interculture operations should be done,
			FIELD CROPS
WRC rice – Main crop	Grain filling / Ripening	Gundhi bug	• As the crop is in grain filling stage, ensure to maintain proper moisture level in the field.
(Mipun)			<ul> <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> </ul>
Sesame (Til)	Sowing		Interculture operations,
(111)	Vegetative		<ul> <li>Monitor against attack of insect pests,</li> </ul>
Mustard	Field		Farmers are advised sowing of certified treated seeds,
	preparation/ Sowing		Thinning may be done to maintain proper plant count,

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	Cut worm	•	Field preparation for sowing of good quality (certified)
	preparation			seeds,
	Sowing		•	Seeds should be properly treated before sowing,
Pea	Field		•	Monitor for attack of cut worm in the germinated fields,
	preparation		•	Manual collection of larvae during the evening hours may
	Sowing			be done, (If damage level is not serious). Use of Carbaryl
				dust in severely damaged fields may be done,

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	Fruiting		•	Apply the III dose of fertilizers in the tree basin,
Mandarin		Trunk borer, Ants Lichen/ Mosses Fruit fly	•	In present weather conditions farmers are advised to clean the basin along with dropped fruits.  In trunk borer attacked trees, cleaning of entry hole and treatment with Dichlorvos dipped cotton swabs is advised. Use of light trap to attract adults is also advised. Farmers are advised to use <i>Jaggary</i> /Malathion traps or pheromone traps to monitor the pest population and collect and destroy the adult insects. Installation of pheromone traps may also be done,

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

Livestock	Stage	Disease	Precautionary Practices to be followed
Poultry	All stages		Maintain warmth by lighting filament bulb in the shed,
			• Adults: Close the ventilation during the night hours with
			gunny bags/polythene sheets,
			Provide anticoccidial medicines along with feeds,
			In egg laying birds feed, add calcium,
			Schedule vaccination should be followed,
Pigs	All stages		Wherever wounds are there treat with local preparation
			• Feeds: Properly cook the feed, avoid feeding half cooked
			feeds,
			• Piglets: Provide warmth by lighting with filament
			bulb/cushioning material,
			Care pregnant animals,
Cattle	All stages		• Lighting to maintain warmth in the shade,
			Deworming,
			• As green feeds supply will decrease, provide quality feeds,

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



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



# (Dibang Valley)

No:-53/2013-14/Fri Dated: 18<sup>th</sup> October, 2013

# Weather during the period

- Rainfall: -
  - Roing 0.0 mm
  - Anini 6.0 mm

#### Weather Forecast

- Rainfall Partially cloudy weather fcst with light rains/thundershowers in isolated places.
- <u>Temperature</u> Temperature will vary between 17-28°C.
- **Relative Humidity** The RH is likely to be in the range of 39-100 %.

#### Weather Based Agro-meteorological Advisories Bulletin

Crop	Stage	Pest/Disease	Precautionary Practices to be followed
		V	EGETABLE CROPS
Cauliflower/ Cabbage/ Radish	Transplanting /Vegetative	Leaf eating caterpillars  Wilting/ Colar rot/ Damping off	<ul> <li>In present weather conditions attack of leaf eating caterpillars/cut worm has been reported from different locations. Farmers are advised to manually collect and destroy the larvae.</li> <li>If attack is severe spraying of Imidacloprid 17SL @ 1/2 ml per litre of water is advised,</li> <li>If symptoms of wilting etc are observed, soil drenching with Captan (@ 3grams/litre of water or Bavistin (@ 2 grams per litre of water) is advised,</li> </ul>
Radish	Vegetative		• Thinning of crop may be done to maintain proper plant count,
Carrot	Vegetative		<ul><li>Sowing of quality seeds in well prepared field may be done,</li><li>Light interculture operations should be done,</li></ul>
Spinach	Sowing/ Vegetative		<ul> <li>Sowing of certified/locally available seeds in well prepared nursery may be done,</li> <li>Light interculture operations should be done,</li> </ul>
			FIELD CROPS
WRC rice – Main crop (Mipun)	Grain filling / Ripening	Gundhi bug	<ul> <li>As the crop is in grain filling stage, ensure to maintain proper moisture level in the field.</li> <li>In present weather conditions large scale attack of Gundhi bug has been reported from rice field. If damage level is high, use Malathion dust 5%,</li> <li>It is also advised to manually collect and destroy bugs found in the field,</li> </ul>
Potato	Field preparation/ Planting		<ul> <li>In view of favourable temperature, farmers are advised to start sowing of good quality potato seeds.</li> <li>Before sowing treat the seeds.</li> </ul>
Turmeric and ginger	Growing	Soft rot, Shoot borer	<ul> <li>To control soft rot drench soil with Dithane M-45 @ 3 g/litre at 15 days interval.</li> <li>Spray Rogor @ 0.05% if infestation is observed,</li> </ul>
Mustard	Field preparation/ Sowing		<ul> <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.

Winter Maize	Field	Cut worm	•	Present weather conditions are best for sowing of treated
	preparation			seeds.
	Sowing		•	Monitor for attack of cut worm in the germinated fields,
Pea	Field preparation Sowing		•	Manual collection of larvae during the evening hours may be done, (If damage level is not serious). Use of Carbaryl dust in severely damaged fields may be done,

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 p	resent weathe	r conditions far	mers are advised to apply mulch to conserve the moisture,
Khasi Mandarin	Fruiting	Trunk borer, Ants Lichen/ Mosses Fruit fly	<ul> <li>In present weather conditions farmers are advised to clean the basin along with dropped fruits.</li> <li>In trunk borer attacked trees, cleaning of entry hole and treatment with Dichlorvos dipped cotton swabs is advised.</li> <li>Use of light trap to attract adults is also advised.</li> <li>Farmers are advised to use <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><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><li>Racking of area under the basin may be done,</li><li>Collect and destroy dropped fruits,</li></ul>
			LIVESTOCKS

Farmers are ac	lvised not to fo	ollow the IFS m	odel of Pig+fish+poultry/duckery as it causes zoonotic diseases.
Livestock	Stage	Disease	Precautionary Practices to be followed
Poultry	All stages		Maintain warmth by lighting filament bulb in the shed,
			• Adults: Close the ventilation during the night hours with
			gunny bags/polythene sheets,
			Provide anticoccidial medicines along with feeds,
			In egg laying birds feed, add calcium,
			Schedule vaccination should be followed,
Pigs	All stages		Wherever wounds are there treat with local preparation
			• Feeds: Properly cook the feed, avoid feeding half cooked
			feeds,
			• Piglets: Provide warmth by lighting with filament
			bulb/cushioning material,
			Care pregnant animals,
Cattle	All stages		• Lighting to maintain warmth in the shade,
			Deworming,
			• As green feeds supply will decrease, provide quality feeds,
Mithun	All stages	FMD	Vaccination should be done post monsoon,
		Black quarter	• In young ones, BQ may be observed, vaccinate the animals,
Goat/Sheep	All stages	PPR	Vaccinate against the PPR,
			Provide mineral mixture,
Fish	All stages		Maintain adequate water level in the pond,
			Pond sides should be properly cleaned,
			Harvest of mature fish,

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### (East Kameng)

No:-53/2013-14/Fri Dated: 18<sup>th</sup> October, 2013

### Weather during the period

Rainfall: -

• Seppa − 0.0 nn

#### **Weather Forecast**

- Rainfall Cloudy/partially cloudy weather-light rain/thundershower-isolated places fcst.
- <u>Temperature</u> The temperature is likely to be in the range of 22-30 °C.
- **Relative Humidity** The RH is likely to be in the range of 50-100 %.

#### Weather Based Agro-meteorological Advisories Bulletin

Cauliflower/ Cabbage/ Radish	
Cauliflower/ Cabbage/ Radish  Wilting/ Colar rot/ Damping off  Radish  Radish	
Carrot Vegetative  Sowing of quality seeds in well prepared field may be done.  Light interculture operations should be done,  Sowing of certified/locally available seeds in well prenursery may be done.  Light interculture operations should be done.  Light interculture operations should be done.  FIELD CROPS  WRC rice – Main crop (Mipun)  Gundhi bug Ripening  As the crop is in grain filling stage, ensure to maintain proper moisture level in the field.  In present weather conditions large scale attack of Gundh has been reported from rice field. If damage level is high, Malathion dust 5%,  It is also advised to manually collect and destroy bugs for	armers  1/2 ml  ng with
<ul> <li>Light interculture operations should be done,</li> <li>Sowing / Vegetative</li> <li>Sowing of certified/locally available seeds in well prenursery may be done,</li> <li>Light interculture operations should be done,</li> <li>FIELD CROPS</li> <li>WRC rice – Main crop (Mipun)</li> <li>Grain filling / Ripening</li> <li>As the crop is in grain filling stage, ensure to maintain proper moisture level in the field.</li> <li>In present weather conditions large scale attack of Gundle has been reported from rice field. If damage level is high, Malathion dust 5%,</li> <li>It is also advised to manually collect and destroy bugs for</li> </ul>	plant
Vegetative  Nursery may be done,  Light interculture operations should be done,  FIELD CROPS  WRC rice – Main crop (Mipun)  Ripening  Ripening  Oundhi bug Ripening  In present weather conditions large scale attack of Gundle has been reported from rice field. If damage level is high, Malathion dust 5%,  It is also advised to manually collect and destroy bugs for	one,
<ul> <li>WRC rice – Main crop (Mipun)</li> <li>Grain filling / Ripening</li> <li>Mipening</li> <li>Gundhi bug proper moisture level in the field.</li> <li>In present weather conditions large scale attack of Gundhas been reported from rice field. If damage level is high, Malathion dust 5%,</li> <li>It is also advised to manually collect and destroy bugs for</li> </ul>	repared
Main crop (Mipun)  Ripening  Proper moisture level in the field.  In present weather conditions large scale attack of Gundle has been reported from rice field. If damage level is high, Malathion dust 5%,  It is also advised to manually collect and destroy bugs for	
,	lhi bug ı, use ound
Potato Field preparation/ Planting  • In view of favourable temperature, farmers are advised to sowing of good quality potato seeds. • Before sowing treat the seeds.	to start
Turmeric and ginger  Soft rot,  Shoot borer  Soft rot,  Soft rot,  Soft rot,  Soft rot drench soil with Dithane M-45 @ 3 at 15 days interval.  Spray Rogor @ 0.05% if infestation is observed,	g/litre
Mustard Field preparation/ Sowing  Farmers are advised sowing of certified treated seeds, Thinning may be done to maintain proper plant count,	

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.

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Winter Maize	Field	Cut worm	•	Present weather conditions are best for sowing of treated
	preparation			seeds.
	Sowing		•	Monitor for attack of cut worm in the germinated fields,
Pea	Field		•	Manual collection of larvae during the evening hours may be
	preparation			done, (If damage level is not serious). Use of Carbaryl dust in
	Sowing			severely damaged fields may be done,

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 1	present weathe	r conditions far	mers are advised to apply mulch to conserve the moisture,
Khasi Mandarin	Fruiting	Trunk borer, Ants Lichen/ Mosses Fruit fly	<ul> <li>In present weather conditions farmers are advised to clean the basin along with dropped fruits.</li> <li>In trunk borer attacked trees, cleaning of entry hole and treatment with Dichlorvos dipped cotton swabs is advised.</li> <li>Use of light trap to attract adults is also advised.</li> <li>Farmers are advised to use <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><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><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.

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Livestock	Stage	Disease	Precautionary Practices to be followed
Poultry	All stages		• Maintain warmth by lighting filament bulb in the shed,
			• Adults: Close the ventilation during the night hours with
			gunny bags/polythene sheets,
			Provide anticoccidial medicines along with feeds,
			In egg laying birds feed, add calcium,
			<ul> <li>Schedule vaccination should be followed,</li> </ul>
Pigs	All stages		,
1 1gs	All stages		Wherever wounds are there treat with local preparation  Find the Preparation and the find the fin
			• Feeds: Properly cook the feed, avoid feeding half cooked
			feeds,
			• Piglets: Provide warmth by lighting with filament
			bulb/cushioning material,
			• Care pregnant animals,
Cattle	All stages		• Lighting to maintain warmth in the shade,
			Deworming,
			• As green feeds supply will decrease, provide quality feeds,
Mithun	All stages	FMD	Vaccination should be done post monsoon,
	8	Black quarter	
Goat/Sheep	All stages	PPR	Vaccinate against the PPR,
			Provide mineral mixture,
Fish	All stages		Maintain adequate water level in the pond,
			Pond sides should be properly cleaned,
			Harvest of mature fish,
1			

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ICAR Research Complex for NEH Region, Arunachal Pradesh Centre

West Siang, Basar – 791 101



### (East Siang)

<u>No:-53/2013-14/Fri</u> <u>Dated: 18<sup>th</sup> October, 2013</u>

# Weather during the period

Maximum temperature: 32.5 °C
Minimum Temperature: 21.6 °C

• Rainfall:

<u>Pasighat</u> – 4.2 mm <u>Relative humidity (%)</u>: 66-90

#### **Weather Forecast**

- Rainfall Partially cloudy weather-light rain/thundershower-isolated places forecasted.
- <u>Temperature</u> Temperature will vary between 22-32 °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
		7	VEGETABLE CROPS
Cauliflower/ Cabbage/ Radish	Transplanting /Vegetative	Leaf eating caterpillars  Wilting/ Colar rot/ Damping off	<ul> <li>In present weather conditions attack of leaf eating caterpillars/cut worm has been reported from different locations. Farmers are advised to manually collect and destroy the larvae.</li> <li>If attack is severe spraying of Imidacloprid 17SL @ 1/2 ml per litre of water is advised,</li> <li>If symptoms of wilting etc are observed, soil drenching with Captan (@ 3grams/litre of water or Bavistin (@ 2 grams per litre of water) is advised,</li> </ul>
Radish	Vegetative		• Thinning of crop may be done to maintain proper plant count,
Carrot	Vegetative		<ul> <li>Sowing of quality seeds in well prepared field may be done,</li> <li>Light interculture operations should be done,</li> </ul>
Spinach	Sowing/ Vegetative		<ul> <li>Sowing of certified/locally available seeds in well prepared nursery may be done,</li> <li>Light interculture operations should be done,</li> </ul>
			FIELD CROPS
WRC rice – Main crop (Mipun)	Grain filling / Ripening	Gundhi bug	<ul> <li>As the crop is in grain filling stage, ensure to maintain proper moisture level in the field.</li> <li>In present weather conditions large scale attack of Gundhi bug has been reported from rice field. If damage level is high, use</li> </ul>
			<ul><li>Malathion dust 5%,</li><li>It is also advised to manually collect and destroy bugs found in the field,</li></ul>
Potato	Field preparation/ Planting		<ul> <li>In view of favourable temperature, farmers are advised to start sowing of good quality potato seeds.</li> <li>Before sowing treat the seeds.</li> </ul>
Turmeric and ginger	Growing	Soft rot, Shoot borer	<ul> <li>To control soft rot drench soil with Dithane M-45 @ 3 g/litre at 15 days interval.</li> <li>Spray Rogor @ 0.05% if infestation is observed,</li> </ul>
Mustard	Field preparation/ Sowing		<ul> <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.

Winter Maize	Field	Cut worm	•	Present weather conditions are best for sowing of treated	
	preparation			seeds.	
	Sowing		•	Monitor for attack of cut worm in the germinated fields,	
Pea	Field		•	Manual collection of larvae during the evening hours may be	
	preparation			done, (If damage level is not serious). Use of Carbaryl dust in	
	Sowing			severely damaged fields may be done,	

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> <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><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> <li>Racking of area under the basin may be done,</li> <li>Collect and destroy dropped fruits,</li> </ul>	
			LIVESTOCKS	
			odel of Pig+fish+poultry/duckery as it causes zoonotic diseases.	
Livestock	Stage	Disease	Precautionary Practices to be followed	
Poultry	All stages		<ul> <li>Maintain warmth by lighting filament bulb in the shed,</li> <li>Adults: Close the ventilation during the night hours with gunny bags/polythene sheets,</li> <li>Provide anticoccidial medicines along with feeds,</li> <li>In egg laying birds feed, add calcium,</li> <li>Schedule vaccination should be followed,</li> </ul>	
Pigs	All stages		<ul> <li>Wherever wounds are there treat with local preparation</li> <li>Feeds: Properly cook the feed, avoid feeding half cooked feeds,</li> <li>Piglets: Provide warmth by lighting with filament bulb/cushioning material,</li> <li>Care pregnant animals,</li> </ul>	
Cattle	All stages		<ul> <li>Lighting to maintain warmth in the shade,</li> <li>Deworming,</li> <li>As green feeds supply will decrease, provide quality feeds,</li> </ul>	
Mithun	All stages	FMD Black quarter	<ul> <li>Vaccination should be done post monsoon,</li> <li>In young ones, BQ may be observed, vaccinate the animals,</li> </ul>	
Goat/Sheep	All stages	PPR	Vaccinate against the PPR,	

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

Provide mineral mixture,

Harvest of mature fish,

Maintain adequate water level in the pond, Pond sides should be properly cleaned,

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All stages

Fish



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



# (Lohit)

Dated: 18th October, 2013 No:-53/2013-14/Fri

# Weather during the period

- Rainfall: -
  - Tezu 5.0 mm
  - Namsai 0.0 mm

#### **Weather Forecast**

- **Rainfall**: Partially cloudy/clear weather fcst with light rains/thundershowers in isolated places.
- <u>Temperature</u> –The temperature is likely to be in the range of 20-31°C.
- **Relative Humidity** The RH is likely to be in the range of 50-100 %.

#### Weather Based Agro-meteorological Advisories Bulletin

Crop	Stage	Pest/Disease	Precautionary Practices to be followed
		VI	EGETABLE CROPS
Cauliflower/ Cabbage/ Radish	Transplanting /Vegetative	Leaf eating caterpillars  Wilting/ Colar rot/ Damping off	<ul> <li>In present weather conditions attack of leaf eating caterpillars/ cut worm has been reported from different locations. Farmers are advised to manually collect and destroy the larvae.</li> <li>If attack is severe spraying of Imidacloprid 17SL @ 1/2 ml per litre of water is advised,</li> <li>If symptoms of wilting etc are observed, soil drenching with Captan (@ 3grams/litre of water or Bavistin (@ 2 grams per litre of water) is advised,</li> </ul>
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Carrot	Vegetative		<ul> <li>Sowing of quality seeds in well prepared field may be done,</li> <li>Light interculture operations should be done,</li> </ul>
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Sesame (Til)	Sowing Vegetative		<ul><li>Interculture operations,</li><li>Monitor against attack of insect pests,</li></ul>
Mustard	Field preparation/ Sowing		<ul> <li>Farmers are advised sowing of certified treated seeds,</li> <li>Thinning may be done to maintain proper plant count,</li> </ul>

to use moisture of rice field and straw of rice as organic manure.

rm • Field preparation for sowing of good quality (certified)
seeds,
<ul> <li>Seeds should be properly treated before sowing,</li> </ul>
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,

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	Fruiting	• Apply the III dose of fertilizers in the tree basin,			
Mandarin		• In present weather conditions farmers are advised to clean			

Trunk bores	r, the basin along with dropped fruits.
Ants	• In trunk borer attacked trees, cleaning of entry hole and
Lichen/	treatment with Dichlorvos dipped cotton swabs is advised.
Mosses	• Use of light trap to attract adults is also advised.
Fruit fly	• Farmers are advised to use <i>Jaggary</i> /Malathion traps or
	pheromone traps to monitor the pest population and collect
	and destroy the adult insects. Installation of pheromone
	traps may also be done,

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

Livestock	Stage	Disease	Precautionary Practices to be followed
Poultry	All stages		Maintain warmth by lighting filament bulb in the shed,
			• Adults: Close the ventilation during the night hours with gunny bags/polythene sheets,
			<ul> <li>Provide anticoccidial medicines along with feeds,</li> </ul>
			• In egg laying birds feed, add calcium,
			Schedule vaccination should be followed,
Pigs	All stages		Wherever wounds are there treat with local preparation
			• Feeds: Properly cook the feed, avoid feeding half cooked feeds,
			• Piglets: Provide warmth by lighting with filament bulb/cushioning material,
			• Care pregnant animals,
Cattle	All stages		Lighting to maintain warmth in the shade,
			Deworming,
			• As green feeds supply will decrease, provide quality feeds,

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



# (Lower Subansiri)

No:-53/2013-14/Fri Dated: 18<sup>th</sup> October, 2013

### Weather during the period

- Rainfall: -
  - 1. Ziro NA

#### **Weather Forecast**

- Rainfall Cloudy/partially cloudy weather-light rain/thundershower-isolated places fcst.
- <u>Temperature</u> The temperature is likely to be in the range of 11-23°C.
- Relative Humidity The RH is likely to be in the range of 57-98 %.

#### Weather Based Agro-meteorological Advisories Bulletin

Crop	Stage	Pest/Disease	Precautionary Practices to be followed
		V	EGETABLE CROPS
Cauliflower/ Cabbage/ Radish	Transplanting /Vegetative	Leaf eating caterpillars  Wilting/ Colar rot/ Damping off	<ul> <li>In present weather conditions attack of leaf eating caterpillars/ cut worm has been reported from different locations. Farmers are advised to manually collect and destroy the larvae.</li> <li>If attack is severe spraying of Imidacloprid 17SL @ 1/2 ml per litre of water is advised,</li> <li>If symptoms of wilting etc are observed, soil drenching with Captan (@ 3grams/litre of water or Bavistin (@ 2 grams per litre of water) is advised,</li> </ul>
Radish	Vegetative		• Thinning of crop may be done to maintain proper plant
			count,
Spinach	Sowing/		• Sowing of certified/locally available seeds in well prepared
	Vegetative		nursery may be done,
			• Light interculture operations should be done,
			FIELD CROPS
WRC rice –	Grain filling /	Gundhi bug	• As the crop is in grain filling stage, ensure to maintain
Main crop	Ripening		proper moisture level in the field.
(Mipun)			• 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%,
			• It is also advised to manually collect and destroy bugs found
T. 1 1 1	1.0 173777	11040 1 . (	in the field,
			armers may use zero tillage technology in harvested paddy fields
_			method without ploughing, sowing of pea may be done to use
		w of rice as orga:	
Maize	Field	Cut worm	Field preparation for sowing of good quality (certified)
	preparation		seeds,
D	Sowing		Seeds should be properly treated before sowing,
Pea	Field		• Monitor for attack of cut worm in the germinated fields,
	preparation		Manual collection of larvae during the evening hours may be
	Sowing		done, (If damage level is not serious). Use of Carbaryl dust

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 severely damaged fields may be done,

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

In prese	in present treatment containing furthers are autrised to apply minimize conserve the inclusion of						
Khasi Mandarin	Fruiting	Trunk borer, Ants Lichen/ Mosses Fruit fly	•	Apply the III dose of fertilizers in the tree basin, In present weather conditions farmers are advised to clean the basin along with dropped fruits. In trunk borer attacked trees, cleaning of entry hole and treatment with Dichlorvos dipped cotton swabs is advised. Use of light trap to attract adults is also advised. Farmers are advised to use <i>Jaggary</i> /Malathion traps or pheromone traps to monitor the pest population and collect and destroy the adult insects. Installation of pheromone			

traps may also be done,	

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		Maintain warmth by lighting filament bulb in the shed,
			Adults: Close the ventilation during the night hours with
			gunny bags/polythene sheets,
			<ul> <li>Provide anticoccidial medicines along with feeds,</li> </ul>
			• In egg laying birds feed, add calcium,
			Schedule vaccination should be followed,
Pigs	All stages		Wherever wounds are there treat with local preparation
			• Feeds: Properly cook the feed, avoid feeding half cooked
			feeds,
			• Piglets: Provide warmth by lighting with filament
			bulb/cushioning material,
			Care pregnant animals,
Cattle	All stages		• Lighting to maintain warmth in the shade,
			Deworming,
			• As green feeds supply will decrease, provide quality feeds,
Mithun	All stages	FMD	Vaccination should be done post monsoon,
1		Black quarter	• In young ones, BQ may be observed, vaccinate the animals,

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

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



# (Papum Pare)

No:-53/2013-14/Fri Dated: 18<sup>th</sup> October, 2013

### Weather during the period

Maximum temperature: 32.7°C
Minimum Temperature: 20.7°C
Relative Humidity (%):72-89

• Rainfall: -

Itanagar – 0.0 mm
 Naharlagun – 0.0 mm

#### **Weather Forecast**

- <u>Rainfall</u> Cloudy/partially cloudy weather-light rain/thundershower-isolated places fcst.
- <u>Temperature</u> The temperature is likely to be in the range of 22-33°C.
- **Relative Humidity** The RH is likely to be in the range of 59-99 %.

#### Weather Based Agro-meteorological Advisories Bulletin

Crop	Stage	Pest/Disease	Precautionary Practices to be followed
		V	EGETABLE CROPS
Cauliflower/ Cabbage/ Radish	Transplanting /Vegetative	Leaf eating caterpillars  Wilting/ Colar rot/ Damping off	<ul> <li>In present weather conditions attack of leaf eating caterpillars/cut worm has been reported from different locations. Farmers are advised to manually collect and destroy the larvae.</li> <li>If attack is severe spraying of Imidacloprid 17SL @ 1/2 ml per litre of water is advised,</li> <li>If symptoms of wilting etc are observed, soil drenching with Captan (@ 3grams/litre of water or Bavistin (@ 2 grams per litre of water) is advised,</li> </ul>
Radish	Vegetative		• Thinning of crop may be done to maintain proper plant count,
Carrot	Vegetative		<ul> <li>Sowing of quality seeds in well prepared field may be done,</li> <li>Light interculture operations should be done,</li> </ul>
Spinach	Sowing/ Vegetative		<ul> <li>Sowing of certified/locally available seeds in well prepared nursery may be done,</li> <li>Light interculture operations should be done,</li> </ul>
			FIELD CROPS
WRC rice – Main crop (Mipun)	Grain filling / Ripening	Gundhi bug	<ul> <li>As the crop is in grain filling stage, ensure to maintain proper moisture level in the field.</li> <li>In present weather conditions large scale attack of Gundhi bug has been reported from rice field. If damage level is high, use Malathion dust 5%,</li> <li>It is also advised to manually collect and destroy bugs found in the field,</li> </ul>
Potato	Field preparation/Planting		<ul> <li>In view of favourable temperature, farmers are advised to start sowing of good quality potato seeds.</li> <li>Before sowing treat the seeds.</li> </ul>
Turmeric and ginger	Growing	Soft rot, Shoot borer	<ul> <li>To control soft rot drench soil with Dithane M-45 @ 3 g/litre at 15 days interval.</li> <li>Spray Rogor @ 0.05% if infestation is observed,</li> </ul>
Mustard  It is also advis	Field preparation/ Sowing	nd ICAD that f	<ul> <li>Farmers are advised sowing of certified treated seeds,</li> <li>Thinning may be done to maintain proper plant count,</li> </ul> armers may use zero tillage technology in harvested paddy fields in

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.

	<u> </u>			
Winter Maize	Field	Cut worm	•	Present weather conditions are best for sowing of treated
	preparation			seeds.
	Sowing		•	Monitor for attack of cut worm in the germinated fields,
Pea	Field		•	Manual collection of larvae during the evening hours may be
	preparation			done, (If damage level is not serious). Use of Carbaryl dust in
	Sowing			severely damaged fields may be done

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.

In p	present weather	r conditions farr	ners are advised to apply mulch to conserve the moisture,
i	Fruiting		• In present weather conditions farmers are advised to clean th

**FRUIT CROPS** 

-	•		,		
Khasi Mandarin	Fruiting	Trunk borer, Ants Lichen/ Mosses Fruit fly	<ul> <li>In present weather conditions farmers are advised to clean the basin along with dropped fruits.</li> <li>In trunk borer attacked trees, cleaning of entry hole and treatment with Dichlorvos dipped cotton swabs is advised.</li> <li>Use of light trap to attract adults is also advised.</li> <li>Farmers are advised to use <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> <li>Removal of heavily infested plants and deep burial in the pits,</li> <li>Cleaning around the crop,</li> </ul>		
Guava	Fruiting	Fruit fly	Racking of area under the basin may be done,		
			Collect and destroy dropped fruits,		
	IWESTOCKS				

#### 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> <li>Maintain warmth by lighting filament bulb in the shed,</li> <li>Adults: Close the ventilation during the night hours with gunny bags/polythene sheets,</li> <li>Provide anticoccidial medicines along with feeds,</li> <li>In egg laying birds feed, add calcium,</li> <li>Schedule vaccination should be followed,</li> </ul>
Pigs	All stages		<ul> <li>Wherever wounds are there treat with local preparation</li> <li>Feeds: Properly cook the feed, avoid feeding half cooked feeds,</li> <li>Piglets: Provide warmth by lighting with filament bulb/cushioning material,</li> <li>Care pregnant animals,</li> </ul>
Cattle	All stages		<ul> <li>Lighting to maintain warmth in the shade,</li> <li>Deworming,</li> <li>As green feeds supply will decrease, provide quality feeds,</li> </ul>
Mithun	All stages	FMD Black quarter	<ul> <li>Vaccination should be done post monsoon,</li> <li>In young ones, BQ may be observed, vaccinate the animals,</li> </ul>
Goat/Sheep	All stages	PPR	<ul><li> Vaccinate against the PPR,</li><li> Provide mineral mixture,</li></ul>
Fish	All stages		<ul> <li>Maintain adequate water level in the pond,</li> <li>Pond sides should be properly cleaned,</li> <li>Harvest of mature fish,</li> </ul>

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

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



### (Tawang)

<u>No:-53/2013-14/Fri</u> <u>Dated: 18<sup>th</sup> October, 2013</u>

### Weather during the period

- Rainfall: -
  - 1. Tawang –9.0 mm

#### **Weather Forecast**

- Rainfall Partially cloudy/clear weather fcst with light rains/thundershowers in isolated places.
- <u>Temperature</u> The temperature is likely to be in the range of 8-18 °C.
- Relative Humidity The RH is likely to be in the range of 45-96 %.

### Weather Based Agro-meteorological Advisories Bulletin

Crop	Stage	Pest/Disease	Precautionary Practices to be followed
			FRUITS
Apple	Harvesting	Fruit Fly  Trunk Borer	<ul> <li>Monitor fruit fly damage,</li> <li>Collection/deep burying (Atleast 4 feet deep) of infected fruit,</li> <li>If extreme damage is noticed, spraying of Malathion @ 3ml per litre of water is advised,</li> <li>Installation of light traps to capture adults.</li> <li>Urgent/immediate treatment of affected parts of trees,</li> </ul>
		1	GETABLE CROPS
Cauliflower / Cabbage/ Radish	Harvesting	Cutworm  Diamond back moth	<ul> <li>Monitor crop against attack of cutworm in the field,</li> <li>In present weather conditions, monitor the crop against attack of DBM caterpillars,</li> <li>If damage level is high, spraying of <i>Bt</i> formulation may be done,</li> </ul>
Radish	Vegetative Maturity		• Harvest,
Mustard (leafy vegetables)	Sowing		• Sowing of good quality seeds for leafy vegetable purpose may be done,
		]	LIVESTOCKS
Livestock	Stage	Disease	Precautionary Practices to be followed
Poultry	All stages		<ul> <li>Maintain warmth by lighting filament bulb in the shed,</li> <li>Adults: Close the ventilation during the night hours with gunny bags/polythene sheets,</li> <li>Provide anticoccidial medicines along with feeds,</li> <li>In egg laying birds feed, add calcium,</li> <li>Schedule vaccination should be followed,</li> </ul>
Cattle	All stages		<ul> <li>Lighting to maintain warmth in the shade,</li> <li>Deworming,</li> <li>As green feeds supply will decrease, provide quality feeds,</li> </ul>
Goat/Sheep	All stages	PPR	<ul><li> Vaccinate against the PPR,</li><li> Provide mineral mixture,</li></ul>
Contact Scie	entists (ICAR)	) or State Ag	ril Staff or KVK staff for measures against adverse

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



# (Tirap)

No:-53/2013-14/Fri Dated: 18<sup>th</sup> October, 2013

# Weather during the period

- Rainfall: -
  - <u>Khonsa</u>–NA
  - Deomali –3.0 mm

#### Weather Forecast

- Rainfall Partially cloudy/clear weather fcst with light rains/thundershowers in isolated places.
- <u>Temperature</u> The temperature is likely to be in the range of 20-28°C.
- **Relative Humidity** The RH is likely to be in the range of 52-100 %.

#### Weather Based Agro-meteorological Advisories Bulletin

Crop	Stage	Pest/Disease	Precautionary Practices to be followed
		VI	EGETABLE CROPS
Cauliflower/ Cabbage/ Radish	Transplanting /Vegetative	Leaf eating caterpillars  Wilting/ Colar rot/ Damping off	<ul> <li>In present weather conditions attack of leaf eating caterpillars/ cut worm has been reported from different locations. Farmers are advised to manually collect and destroy the larvae.</li> <li>If attack is severe spraying of Imidacloprid 17SL @ 1/2 ml per litre of water is advised,</li> <li>If symptoms of wilting etc are observed, soil drenching with Captan (@ 3grams/litre of water or Bavistin (@ 2 grams per litre of water) is advised,</li> </ul>
Radish	Vegetative		• Thinning of crop may be done to maintain proper plant
			count,
Carrot	Vegetative		• Sowing of quality seeds in well prepared field may be done,
			Light interculture operations should be done,
Spinach	Sowing/		• Sowing of certified/locally available seeds in well prepared
	Vegetative		nursery may be done,
			• Light interculture operations should be done,
			FIELD CROPS
WRC rice – Main crop (Mipun)	Grain filling / Ripening	Gundhi bug	<ul> <li>As the crop is in grain filling stage, ensure to maintain proper moisture level in the field.</li> <li>In present weather conditions large scale attack of Gundhi bug has been reported from rice field. If damage level is high, use Malathion dust 5%,</li> <li>It is also advised to manually collect and destroy bugs found in the field,</li> </ul>
Sesame (Til)	Sowing		• Interculture operations,
	Vegetative		Monitor against attack of insect pests,
Mustard	Field		• Farmers are advised sowing of certified treated seeds,
	preparation/		• Thinning may be done to maintain proper plant count,
<b>T.</b> 1 1 1	Sowing	11048	t farmers may use zero tillage technology in harvested paddy

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	Cut worm	•	Field preparation for sowing of good quality (certified)
	preparation			seeds,
	Sowing		•	Seeds should be properly treated before sowing,
Pea	Field		•	Monitor for attack of cut worm in the germinated fields,
	preparation		•	Manual collection of larvae during the evening hours may
	Sowing			be done, (If damage level is not serious). Use of Carbaryl
				dust in severely damaged fields may be done,
				, ,

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	Fruiting	• Apply the III dose of fertilizers in the tree basin,	
Mandarin		• In present weather conditions farmers are advised to clean	

Trunk borer	r, the basin along with dropped fruits.
Ants	• In trunk borer attacked trees, cleaning of entry hole and
Lichen/	treatment with Dichlorvos dipped cotton swabs is advised.
Mosses	• Use of light trap to attract adults is also advised.
Fruit fly	• Farmers are advised to use <i>Jaggary</i> /Malathion traps or
	pheromone traps to monitor the pest population and collect
	and destroy the adult insects. Installation of pheromone
	traps may also be done,

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

Livestock	Stage	Disease	Precautionary Practices to be followed
Poultry	All stages		Maintain warmth by lighting filament bulb in the shed,
			• Adults: Close the ventilation during the night hours with gunny bags/polythene sheets,
			<ul> <li>Provide anticoccidial medicines along with feeds,</li> </ul>
			<ul> <li>In egg laying birds feed, add calcium,</li> </ul>
			• Schedule vaccination should be followed,
Pigs	All stages		Wherever wounds are there treat with local preparation
			• Feeds: Properly cook the feed, avoid feeding half cooked feeds,
			• Piglets: Provide warmth by lighting with filament bulb/cushioning material,
			• Care pregnant animals,
Cattle	All stages		Lighting to maintain warmth in the shade,
			Deworming,
			• As green feeds supply will decrease, provide quality feeds,

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

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



# (Upper Siang)

<u>No:-53/2013-14/Fri</u> <u>Dated: 18<sup>th</sup> October, 2013</u>

# Weather during the period

- <u>Rainfall</u>: -
  - $\tilde{N}$  Tuting 34.0 mm

#### **Weather Forecast**

- Rainfall Cloudy/partially cloudy weather-light rain/thundershower-isolated places fcst.
- <u>Temperature</u> The temperature is likely to be in the range of 11-24°C.
- Relative Humidity The RH is likely to be in the range of 46-89 %.

# Weather Based Agro-meteorological Advisories Bulletin

Crop	Stage	Pest/Disease	Precautionary Practices to be followed
		V	EGETABLE CROPS
Cauliflower/ Cabbage/ Radish	Transplanting /Vegetative	Leaf eating caterpillars  Wilting/ Colar rot/ Damping off	<ul> <li>In present weather conditions attack of leaf eating caterpillars/ cut worm has been reported from different locations. Farmers are advised to manually collect and destroy the larvae.</li> <li>If attack is severe spraying of Imidacloprid 17SL @ 1/2 ml per litre of water is advised,</li> <li>If symptoms of wilting etc are observed, soil drenching with Captan (@ 3grams/litre of water or Bavistin (@ 2 grams per litre of water) is advised,</li> </ul>
Radish	Vegetative		• Thinning of crop may be done to maintain proper plant count,
Carrot	Vegetative		<ul> <li>Sowing of quality seeds in well prepared field may be done,</li> <li>Light interculture operations should be done,</li> </ul>
Spinach	Sowing/ Vegetative		<ul> <li>Sowing of certified/locally available seeds in well prepared nursery may be done,</li> <li>Light interculture operations should be done,</li> </ul>
			FIELD CROPS
WRC rice – Main crop (Mipun)	Grain filling / Ripening	Gundhi bug	<ul> <li>As the crop is in grain filling stage, ensure to maintain proper moisture level in the field.</li> <li>In present weather conditions large scale attack of Gundhi bug has been reported from rice field. If damage level is high, use Malathion dust 5%,</li> <li>It is also advised to manually collect and destroy bugs found in the field,</li> </ul>
Potato	Field preparation/Planting		<ul> <li>In view of favourable temperature, farmers are advised to start sowing of good quality potato seeds.</li> <li>Before sowing treat the seeds.</li> </ul>
Turmeric and ginger	Growing	Soft rot, Shoot borer	<ul> <li>To control soft rot drench soil with Dithane M-45 @ 3 g/litre at 15 days interval.</li> <li>Spray Rogor @ 0.05% if infestation is observed,</li> </ul>
Mustard	Field preparation/ Sowing		<ul> <li>Farmers are advised sowing of certified treated seeds,</li> <li>Thinning may be done to maintain proper plant count,</li> </ul> at farmers may use zero tillage technology in harvested paddy

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.

	~~~				
Winter Maize	Field	Cut worm	•	Present weather conditions are best for sowing of treated	
	preparation			seeds.	
	Sowing		•	Monitor for attack of cut worm in the germinated fields,	
Pea	Field		•	Manual collection of larvae during the evening hours may be	
	preparation			done, (If damage level is not serious). Use of Carbaryl dust in	
	Sowing			severely damaged fields may be done,	

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 p	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> <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><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><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		Maintain warmth by lighting filament bulb in the shed,
			• Adults: Close the ventilation during the night hours with
			gunny bags/polythene sheets,
			<ul> <li>Provide anticoccidial medicines along with feeds,</li> </ul>
			• In egg laying birds feed, add calcium,
			Schedule vaccination should be followed,
Pigs	All stages		Wherever wounds are there treat with local preparation
			• Feeds: Properly cook the feed, avoid feeding half cooked
			feeds,
			• Piglets: Provide warmth by lighting with filament bulb/cushioning material,
			• Care pregnant animals,
Cattle	All stages		Lighting to maintain warmth in the shade,
			• Deworming,
			• As green feeds supply will decrease, provide quality feeds,
Goat/Sheep	All stages	PPR	Vaccinate against the PPR,
-			Provide mineral mixture,
Fish	All stages		Maintain adequate water level in the pond,
			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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ICAR Research Complex for NEH Region, Arunachal Pradesh Centre

West Siang, Basar – 791 101



# (Upper Subansiri)

No:-53/2013-14/Fri Dated: 18th October, 2013

# Weather during the period

- Rainfall: -
  - Daporijo- NA

#### **Weather Forecast**

- Rainfall Cloudy/partially cloudy weather-light rain/thundershower-isolated places fcst.
- <u>Temperature</u> The temperature is likely to be in the range of 11-24°C.
- **Relative Humidity** The RH is likely to be in the range of 55-96 %.

#### Weather Based Agro-meteorological Advisories Bulletin

Crop	Stage	Pest/Disease	Precautionary Practices to be followed			
	VEGETABLE CROPS					
Cauliflower/ Cabbage/ Radish	Transplanting /Vegetative	Leaf eating caterpillars  Wilting/ Colar rot/ Damping off	<ul> <li>In present weather conditions attack of leaf eating caterpillars/cut worm has been reported from different locations. Farmers are advised to manually collect and destroy the larvae.</li> <li>If attack is severe spraying of Imidacloprid 17SL @ 1/2 ml per litre of water is advised,</li> <li>If symptoms of wilting etc are observed, soil drenching with Captan (@ 3grams/litre of water or Bavistin (@ 2 grams per litre of water) is advised,</li> </ul>			
Radish	Vegetative		• Thinning of crop may be done to maintain proper plant count,			
Carrot	Vegetative		<ul> <li>Sowing of quality seeds in well prepared field may be done,</li> <li>Light interculture operations should be done,</li> </ul>			
Spinach	Sowing/ Vegetative		<ul> <li>Sowing of certified/locally available seeds in well prepared nursery may be done,</li> <li>Light interculture operations should be done,</li> </ul>			
			FIELD CROPS			
WRC rice – Main crop (Mipun)	Grain filling / Ripening	Gundhi bug	<ul> <li>As the crop is in grain filling stage, ensure to maintain proper moisture level in the field.</li> <li>In present weather conditions large scale attack of Gundhi bug has been reported from rice field. If damage level is high, use Malathion dust 5%,</li> <li>It is also advised to manually collect and destroy bugs found in the field,</li> </ul>			
Potato	Field preparation/ Planting		<ul> <li>In view of favourable temperature, farmers are advised to start sowing of good quality potato seeds.</li> <li>Before sowing treat the seeds.</li> </ul>			
Turmeric and ginger	Growing	Soft rot, Shoot borer	<ul> <li>To control soft rot drench soil with Dithane M-45 @ 3 g/litre at 15 days interval.</li> <li>Spray Rogor @ 0.05% if infestation is observed,</li> </ul>			
Mustard	Field preparation/ Sowing		<ul> <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.

Winter Maize	Field	Cut worm	•	Present weather conditions are best for sowing of treated
	preparation			seeds.
	Sowing		•	Monitor for attack of cut worm in the germinated fields,
Pea	Field		•	Manual collection of larvae during the evening hours may be
	preparation			done, (If damage level is not serious). Use of Carbaryl dust in
	Sowing			severely damaged fields may be done,

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 Mandari	Fruiting	Trunk borer, Ants Lichen/ Mosses Fruit fly	<ul> <li>In present weather conditions farmers are advised to clean the basin along with dropped fruits.</li> <li>In trunk borer attacked trees, cleaning of entry hole and treatment with Dichlorvos dipped cotton swabs is advised.</li> <li>Use of light trap to attract adults is also advised.</li> <li>Farmers are advised to use <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> <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> <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> <li>Maintain warmth by lighting filament bulb in the shed,</li> <li>Adults: Close the ventilation during the night hours with gunny bags/polythene sheets,</li> <li>Provide anticoccidial medicines along with feeds,</li> <li>In egg laying birds feed, add calcium,</li> <li>Schedule vaccination should be followed,</li> </ul>
Pigs	All stages		<ul> <li>Wherever wounds are there treat with local preparation</li> <li>Feeds: Properly cook the feed, avoid feeding half cooked feeds,</li> <li>Piglets: Provide warmth by lighting with filament bulb/cushioning material,</li> <li>Care pregnant animals,</li> </ul>
Cattle	All stages		<ul> <li>Lighting to maintain warmth in the shade,</li> <li>Deworming,</li> <li>As green feeds supply will decrease, provide quality feeds,</li> </ul>
Mithun	All stages	FMD Black quarter	Vaccination should be done post monsoon,
Dog	All stages	Rabies,	<ul><li>Vaccinate against rabies,</li><li>Deworming,</li></ul>
Goat/Sheep	All stages	PPR	<ul><li>Vaccinate against the PPR,</li><li>Provide mineral mixture,</li></ul>

• 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



# (West Kameng)

No:-53/2013-14/Fri Dated: 18<sup>th</sup> October, 2013

#### Weather during the period

• Rainfall: - Bomdila –0.0 mm Bhalokpung – 0.0 mm

#### **Weather Forecast**

- Rainfall- Partially cloudy/clear weather forecasted.
- <u>Temperature</u> The temperature is likely to be in the range of 16-29°C.
- **Relative Humidity** The RH is likely to be in the range of 47-100 %.

Weather Based Agro-meteorological Advisories Bulletin

Crop	Stage	Pest/Disease	Precautionary Practices to be followed
			FRUITS
Apple	Harvesting	Fruit Fly  Trunk Borer	<ul> <li>Monitor fruit fly damage,</li> <li>Collection/deep burying (Atleast 4 feet deep) of infected fruit,</li> <li>If extreme damage is noticed, spraying of Malathion @ 3ml per litre of water is advised,</li> <li>Installation of light traps to capture adults.</li> <li>Urgent/immediate treatment of affected parts of trees,</li> </ul>
	<u> </u>	VE	GETABLE CROPS
Cauliflower / Cabbage/ Radish	Harvesting	Cutworm  Diamond back moth	<ul> <li>Monitor crop against attack of cutworm in the field,</li> <li>In present weather conditions, monitor the crop against attack of DBM caterpillars,</li> <li>If damage level is high, spraying of <i>Bt</i> formulation may be done,</li> </ul>
Radish	Vegetative Maturity		• Harvest,
Mustard (leafy vegetables)	Sowing		• Sowing of good quality seeds for leafy vegetable purpose may be done,
		]	LIVESTOCKS
Livestock	Stage	Disease	Precautionary Practices to be followed
Poultry	All stages		<ul> <li>Maintain warmth by lighting filament bulb in the shed,</li> <li>Adults: Close the ventilation during the night hours with gunny bags/polythene sheets,</li> <li>Provide anticoccidial medicines along with feeds,</li> <li>In egg laying birds feed, add calcium,</li> <li>Schedule vaccination should be followed,</li> </ul>
Cattle	All stages		<ul> <li>Lighting to maintain warmth in the shade,</li> <li>Deworming,</li> <li>As green feeds supply will decrease, provide quality feeds,</li> </ul>
Goat/Sheep	All stages	PPR	<ul><li>Vaccinate against the PPR,</li><li>Provide mineral mixture,</li></ul>

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



# (West Siang)

No:-53/2013-14/Fri Dated: 18<sup>th</sup> October, 2013

# Weather during the period

• During the period weather was cloudy/partially cloudy and light rains were recorded.

Maximum temperature: 30.5°C
Minimum Temperature: 19.0°C

• Rainfall: **4.6 mm** 

Crop

• Evapotranspiration: - -

• Relative Humidity (%):-75-96 %

• Soil moisture (m²/ m²):0.22

• Prominent Wind Direction: South West (Morning hours) & North East (Afternoon)

• Average Wind Speed: **0.5 metres per second** 

Stage

• Average Sunshine hours: 3.2 hours

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

#### **Weather Forecast**

- Rainfall Cloudy/partially cloudy weather-light rain/thundershower-isolated places fcst.
- <u>Temperature</u> Temperature will vary between 15-27 °C.
- Relative Humidity The RH is likely to be in the range of 48-88 %.

Pest/Disease

#### Weather Based Agro-meteorological Advisories Bulletin

Precautionary Practices to be followed

Crop	Stage	Pest/Disease		Precautionary Practices to be followed
		7	/EG	GETABLE CROPS
Cauliflower/ Cabbage/ Radish	Transplanting /Vegetative	Leaf eating caterpillars  Wilting/ Colar rot/ Damping off	•	In present weather conditions attack of leaf eating caterpillars/cut worm has been reported from different locations. Farmers are advised to manually collect and destroy the larvae.  If attack is severe spraying of Imidacloprid 17SL @ 1/2 ml per litre of water is advised,  If symptoms of wilting etc are observed, soil drenching with Captan (@ 3grams/litre of water or Bavistin (@ 2 grams per litre of water) is advised,
Radish	Vegetative		•	Thinning of crop may be done to maintain proper plant count,
Carrot	Vegetative		•	Sowing of quality seeds in well prepared field may be done, Light interculture operations should be done,
Spinach	Sowing/ Vegetative		•	Sowing of certified/locally available seeds in well prepared nursery may be done,  Light interculture operations should be done,
	T	I		FIELD CROPS
WRC rice – Main crop (Mipun)	Grain filling / Ripening	Gundhi bug	•	As the crop is in grain filling stage, ensure to maintain proper moisture level in the field.  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%,  It is also advised to manually collect and destroy bugs found in the field,
Potato	Field preparation/ Planting		•	In view of favourable temperature, farmers are advised to start sowing of good quality potato seeds.  Before sowing treat the seeds.
Turmeric and ginger	Growing	Soft rot, Shoot borer	•	To control soft rot drench soil with Dithane M-45 @ 3 g/litre at 15 days interval.  Spray Rogor @ 0.05% if infestation is observed,
Mustard	Field preparation/ Sowing		•	Farmers are advised sowing of certified treated seeds, Thinning may be done to maintain proper plant count,

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.						
Winter Maize	Field	Cut worm	•	Present weather conditions are best for sowing of treated		
	preparation			seeds.		
	Sowing		•	Monitor for attack of cut worm in the germinated fields,		
Pea	Field		•	Manual collection of larvae during the evening hours may be		
	preparation			done, (If damage level is not serious). Use of Carbaryl dust in		
	Sowing			severely damaged fields may be done,		

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> <li>In present weather conditions farmers are advised to clean the basin along with dropped fruits.</li> <li>In trunk borer attacked trees, cleaning of entry hole and treatment with Dichlorvos dipped cotton swabs is advised.</li> <li>Use of light trap to attract adults is also advised.</li> <li>Farmers are advised to use Jaggary/Malathion traps or pheromone traps to monitor the pest population and collect and destroy the adult insects. Installation of pheromone traps may also be done,</li> </ul>
Banana	All stages	Pseudostem	• Removal of heavily infested plants and deep burial in the pits,
		weevil	• Cleaning around the crop,
Guava	Fruiting	Fruit fly	• 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> <li>Maintain warmth by lighting filament bulb in the shed,</li> </ul>
			• Adults: Close the ventilation during the night hours with
			gunny bags/polythene sheets,
			<ul> <li>Provide anticoccidial medicines along with feeds,</li> </ul>
			• In egg laying birds feed, add calcium,
			• Schedule vaccination should be followed,
Pigs	All stages		Wherever wounds are there treat with local preparation
			• Feeds: Properly cook the feed, avoid feeding half cooked
			feeds,
			• Piglets: Provide warmth by lighting with filament
			bulb/cushioning material,
			Care pregnant animals,
Cattle	All stages		• Lighting to maintain warmth in the shade,
			• Deworming,
			• As green feeds supply will decrease, provide quality feeds,
Rabbits	All stages	Snuffles	Keep strict vigil
			Consult experts,
Mithun	All stages	FMD	<ul> <li>Vaccination should be done post monsoon,</li> </ul>
		Black quarter	• In young ones, BQ may be observed, vaccinate the animals,
Dog	All stages	Rabies,	<ul> <li>Vaccinate against rabies,</li> </ul>
			Deworming,
Goat/Sheep	All stages	PPR	• Vaccinate against the PPR,
			Provide mineral mixture,
Fish	All stages		<ul> <li>Maintain adequate water level in the pond,</li> </ul>
			<ul> <li>Pond sides should be properly cleaned,</li> </ul>
			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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