

Mandarin

development

Integrated Agro-Meteorological Advisory Services

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



(Changlang)

No:-55/2013-14/Fri Dated: 25th October, 2013

Weather during the period

- Rainfall: -
 - Changlang –6.0 mm
 - Miao 11.4 mm

Weather Forecast

- Rainfall –Partially cloudy/clear weather forecasted for next 3-4 days.
- <u>Temperature</u> The temperature is likely to be in the range of 18-29 °C.
- **Relative Humidity** The RH is likely to be in the range of 43-100 %.

Weather Based Agro-meteorological Advisories Bulletin

Crop	Stage	Pest/Disease	Precautionary Practices to be followed
	<i>3</i> -		EGETABLE CROPS
Cauliflower/ Cabbage/ Radish	Transplanting /Vegetative	Leaf eating caterpillars Wirestem	 In present weather conditions severe attack of leaf eating caterpillars has been reported. Spray Chlorpyriphos/Imidacloprid in recommended dose in the next one or two days when weather is clear. Dose-Imidacloprid 17SL @ 1-2 ml per litre depending upon the population, Farmers are advised to manually collect and destroy the larvae, wherever population is not large. In present weather conditions severe attack of wirestem disease is reported from different part. Drenching with Carbendazim 50 % WP @ 1 grams per litre of water is advised,
Radish	Vegetative Harvesting	Leaf eating caterpillars	 Sowing of good quality treated seed may be done, Light interculture operations may be done, Spray Chlorpyriphos/Imidacloprid in recommended dose.
Carrot	Vegetative		Light interculture operations should be done,
Spinach	Sowing/ Vegetative		 Harvest mature crops, 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 (Mipun)	Grain filling / Ripening/ Maturing	Gundhi bug Rat	 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%, Wherever rat menace is there, install rat trap, When severity is high use aluminium phosphide pellets for fumigating the rat burrows, Herein, farmers are advised not to kill snakes as far as possible, as they are the main biological agent which check rodent population,
Potato	Field preparation/ Planting/ Vegetative		 Seed dipping with Dithane M45 @2.5 grams per litre of water for 30 minutes is advised before planting, Monitor the crop against attack of Cutworm,
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 Pea	Vegetative Field preparation Sowing	Leaf eating catterpillar	 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,
			FRUIT CROPS
Khasi	Fruit		• In present weather conditions farmers are advised to clean

the basin along with dropped fruits.

		Trunk borer, Ants Lichen/ Mosses Fruit fly	 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,
			LIVESTOCKS
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,

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:-55/2013-14/Fri Dated: 25th October, 2013

Weather during the period

- Rainfall: -
 - Roing 31.1 mm
 - Anini 49.0 mm

Weather Forecast

- Rainfall Partly cloudy/clear with light rains in isolated places fcst-next 2/3 days.
- <u>Temperature</u> Temperature will vary between 11-20°C.
- Relative Humidity The RH is likely to be in the range of 36-97 %.

Radish Ve Ha Carrot Ve Spinach S	egetative egetative egetative egetative egetative owing/	Leaf eating caterpillars Wirestem Leaf eating caterpillars	 In present weather conditions severe attack of leaf eating caterpillars has been reported. Spray Chlorpyriphos/Imidacloprid in recommended dose in the next one or two days when weather is clear. Dose-Imidacloprid 17SL @ 1-2 ml per litre depending upon the population, Farmers are advised to manually collect and destroy the larvae, wherever population is not large. In present weather conditions severe attack of wirestem disease is reported from different part. Drenching with Carbendazim 50 % WP @ 1 grams per litre of water is advised, Sowing of good quality treated seed may be done, Light interculture operations may be done, Spray Chlorpyriphos/Imidacloprid in recommended dose. Light interculture operations should be done,
Radish Ve Ha Carrot Ve Spinach S	egetative egetative arvesting egetative owing/	Caterpillars Wirestem Leaf eating	 caterpillars has been reported. Spray Chlorpyriphos/Imidacloprid in recommended dose in the next one or two days when weather is clear. Dose-Imidacloprid 17SL @ 1-2 ml per litre depending upon the population, Farmers are advised to manually collect and destroy the larvae, wherever population is not large. In present weather conditions severe attack of wirestem disease is reported from different part. Drenching with Carbendazim 50 % WP @ 1 grams per litre of water is advised, Sowing of good quality treated seed may be done, Light interculture operations may be done, Spray Chlorpyriphos/Imidacloprid in recommended dose.
Carrot Ve Spinach S	egetative owing/	U	Light interculture operations may be done,Spray Chlorpyriphos/Imidacloprid in recommended dose.
Spinach S	owing/		1 1 1
Spinach S	owing/		
	5		 Harvest mature crops, Sowing of certified/locally available seeds in well prepared nursery may be done, Light interculture operations should be done,
<u> </u>			FIELD CROPS
Main crop R	in filling / ipening/ Maturing	Gundhi bug <u>Rat</u>	 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%, Wherever rat menace is there, install rat trap, When severity is high use aluminium phosphide pellets for fumigating the rat burrows, Herein, farmers are advised not to kill snakes as far as possible, as they are the main biological agent which check rodent population,
Pi	Field paration/lanting/egetative		 Seed dipping with Dithane M45 @2.5 grams per litre of water for 30 minutes is advised before planting, Monitor the crop against attack of Cutworm,
Turmeric and ginger	Frowing	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 Ve	egetative	Leaf eating catterpillar	 Monitor the crop against attack of leaf eating caterpillars, Thinning may be done to maintain proper plant count,
Winter Maize V	egetative	Cut worm	Monitor for attack of cut worm in the germinated fields,
Pea V	egetative		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, FRUIT CROPS

Khasi Mandarin	Fruit development	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, 		
Banana	All stages	Pseudostem weevil	 Removal of heavily infested plants and deep burial in the pits, Cleaning around the crop, 		
	LIVESTOCKS and VETERINARY ASPECT				

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,
Rabbits	All stages	Snuffles	Keep strict vigilConsult experts,
Mithun	All stages	FMD Black quarter	Vaccination should be done post monsoon,
Dog	All stages	Rabies,	Vaccinate against rabies,Deworming,
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)

Dated: 25th October, 2013 No:-55/2013-14/Fri

Weather during the period

Rainfall: -

Seppa - 0.0 mm

Weather Forecast

- Rainfall Partly cloudy/cloudy with scattered rains fcst-next 2/3 days.
- **Temperature** The temperature is likely to be in the range of 16-26 °C.
- **Relative Humidity** The RH is likely to be in the range of 51-97 %.

Ants

Lichen/

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Crop	Stage	Pest/Disease	Precautionary Practices to be followed
		T.	EGETABLE CROPS
Cauliflower/ Cabbage/ Radish	Transplanting /Vegetative	Leaf eating caterpillars Wirestem	 In present weather conditions severe attack of leaf eating caterpillars has been reported. Spray Chlorpyriphos/Imidacloprid in recommended dose in the next one or two days when weather is clear. Dose-Imidacloprid 17SL @ 1-2 ml per litre depending upon the population, Farmers are advised to manually collect and destroy the larvae, wherever population is not large. In present weather conditions severe attack of wirestern disease is reported from different part. Drenching with Carbendazim 50 % WP @ 1 grams per litre of water is advised,
Radish	Vegetative	Leaf eating	• Sowing of good quality treated seed may be done,
	Harvesting	caterpillars	Light interculture operations may be done,
			Spray Chlorpyriphos/Imidacloprid in recommended dose.
Carrot	Vegetative		Light interculture operations should be done,
Spinach	Sowing/		Harvest mature crops,
	Vegetative		• Sowing of certified/locally available seeds in well prepared
			nursery may be done,
			• Light interculture operations should be done,
	C : (741)		FIELD CROPS
WRC rice – Main crop (<i>Mipun</i>)	Grain filling / Ripening/ Maturing	Gundhi bug	• 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%,
` ' '		Rat	Wherever rat menace is there, install rat trap,
			• When severity is high use aluminium phosphide pellets for
			fumigating the rat burrows,
			Herein, farmers are advised not to kill snakes as far as
			possible, as they are the main biological agent which check
			rodent population,
Potato	Field		• Seed dipping with Dithane M45 @2.5 grams per litre of water
	preparation/		for 30 minutes is advised before planting,
	Planting/ Vegetative		Monitor the crop against attack of Cutworm,
Mustard	Vegetative	Leaf eating	Monitor the crop against attack of leaf eating caterpillars,
111001410	, egetative	catterpillar	 Thinning may be done to maintain proper plant count,
Winter Maize	Vegetative	Cut worm	 Monitor for attack of cut worm in the germinated fields,
Pea	Vegetative	-	 Manual collection of larvae during the evening hours may be
1 Ca	vegetative		done, (If damage level is not serious). Use of Carbaryl dust in
			severely damaged fields may be done,
			FRUIT CROPS
Khasi	Fruit		• In present weather conditions farmers are advised to clean the
Mandarin	development		basin along with dropped fruits.
		Trunk borer,	• In trunk borer attacked trees, cleaning of entry hole and
	İ	Ants	treatment with Dichlarges dinned gotton graphs is advised

treatment with Dichlorvos dipped cotton swabs is advised.

Use of light trap to attract adults is also advised.

		Mosses Fruit fly	 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,
Banana	All stages	Pseudostem weevil	 Removal of heavily infested plants and deep burial in the pits, Cleaning around the crop,
	-	1	LIVESTOCKS
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 Black quarter	 Vaccination should be done post monsoon, In young ones, BQ may be observed, vaccinate the animals,
Fish	All stages		 Maintain adequate water level in the pond, Pond sides should be properly cleaned, Harvest of mature fish,

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ICAR Research Complex for NEH Region, Arunachal Pradesh Centre

West Siang, Basar – 791 101



(East Siang)

<u>No:-55/2013-14/Fri</u> <u>Dated: 25th October, 2013</u>

Weather during the period

Maximum temperature: 29.6 °C
Minimum Temperature: 18.6 °C

• Rainfall:

<u>Pasighat</u> – 23.4 mm <u>Relative humidity (%)</u>: 63-93

Weather Forecast

- Rainfall Partly cloudy/clear weather fcst-next 2/3 days.Light rains may occur in isolated places.
- <u>Temperature</u> Temperature will vary between 19-29 °C.
- Relative Humidity The RH is likely to be in the range of 37-95 %.

Trunk borer,

Weather Based Agro-meteorological Advisories Bulletin

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Crop	Stage	Pest/Disease	J. •
			VEGETABLE CROPS
Cauliflower/ Cabbage/ Radish	Transplanting /Vegetative	Leaf eating caterpillars Wirestem	 In present weather conditions severe attack of leaf eating caterpillars has been reported. Spray Chlorpyriphos/Imidacloprid in recommended dose in the next one or two days when weather is clear. Dose-Imidacloprid 17SL @ 1-2 ml per litre depending upon the population, Farmers are advised to manually collect and destroy the larvae, wherever population is not large. In present weather conditions severe attack of wirestem disease is reported from different part. Drenching with Carbendazim 50 % WP @ 1 grams per litre of water is advised,
Radish	Vegetative Harvesting	Leaf eating caterpillars	 Sowing of good quality treated seed may be done, Light interculture operations may be done, Spray Chlorpyriphos/Imidacloprid in recommended dose.
Carrot	Vegetative		Light interculture operations should be done,
Spinach	Sowing/ Vegetative		 Harvest mature crops, 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 (<i>Mipun</i>)	Grain filling / Ripening/ Maturing	Gundhi bug <u>Rat</u>	 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%, Wherever rat menace is there, install rat trap, When severity is high use aluminium phosphide pellets for fumigating the rat burrows, Herein, farmers are advised not to kill snakes as far as possible, as they are the main biological agent which check rodent population,
Potato	Field preparation/ Planting/ Vegetative		 Seed dipping with Dithane M45 @2.5 grams per litre of water for 30 minutes is advised before planting, Monitor the crop against attack of Cutworm,
Mustard	Vegetative	Leaf eating catterpillar	 Monitor the crop against attack of leaf eating caterpillars, Thinning may be done to maintain proper plant count,
Winter Maize Pea	Vegetative Vegetative	Cut worm	 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, FRUIT CROPS
Khasi Mandarin	Fruit development	Trunk horar	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

		Ants Lichen/ Mosses Fruit fly	 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,
Banana	All stages	Pseudostem weevil	 Removal of heavily infested plants and deep burial in the pits, Cleaning around the crop,
			LIVESTOCKS
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 Black quarter	 Vaccination should be done post monsoon, In young ones, BQ may be observed, vaccinate the animals,
Fish	All stages		 Maintain adequate water level in the pond, Pond sides should be properly cleaned, Harvest of mature fish,

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



(Lohit)

No:-55/2013-14/Fri Dated: 25th October, 2013

Weather during the period

- Rainfall: -
 - Tezu 12 mm
 - Namsai 10.6 mm

Weather Forecast

- Rainfall: Partly cloudy/cloudy with scattered rains fcst-next 2/3 days.
- <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 43-99 %.

Crop	Stage	Pest/Disease	Precautionary Practices to be followed
		VI	EGETABLE CROPS
Cauliflower/ Cabbage/ Radish	Transplanting /Vegetative	Leaf eating caterpillars Wirestem	 In present weather conditions severe attack of leaf eating caterpillars has been reported. Spray Chlorpyriphos/Imidacloprid in recommended dose in the next one or two days when weather is clear. Dose-Imidacloprid 17SL @ 1-2 ml per litre depending upon the population, Farmers are advised to manually collect and destroy the larvae, wherever population is not large. In present weather conditions severe attack of wirestem disease is reported from different part. Drenching with Carbendazim 50 % WP @ 1 grams per litre of water is advised,
Radish	Vegetative Harvesting	Leaf eating caterpillars	 Sowing of good quality treated seed may be done, Light interculture operations may be done, Spray Chlorpyriphos/Imidacloprid in recommended dose.
Carrot	Vegetative		 Light interculture operations should be done,
Spinach	Sowing/ Vegetative		 Harvest mature crops, 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 (Mipun)	Grain filling / Ripening/ Maturing	Gundhi bug Rat	 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%, Wherever rat menace is there, install rat trap, When severity is high use aluminium phosphide pellets for fumigating the rat burrows, Herein, farmers are advised not to kill snakes as far as possible, as they are the main biological agent which check rodent population,
Potato	Field preparation/ Planting/ Vegetative		 Seed dipping with Dithane M45 @2.5 grams per litre of water for 30 minutes is advised before planting, Monitor the crop against attack of Cutworm,
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	Vegetative	Leaf eating	 Monitor for attack of cut worm in the germinated fields,
Pea	Field preparation Sowing	catterpillar	• 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,
			FRUIT CROPS
Khasi Mandarin	Fruit development		• In present weather conditions farmers are advised to clean the basin along with dropped fruits.

		Trunk borer, Ants Lichen/ Mosses Fruit fly	 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,
			LIVESTOCKS
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,

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)

Contact Scientists (ICAR) or State Agril Staff or KVK staff for any queries/measures against adverse



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



(Lower Subansiri)

No:-55/2013-14/Fri Dated: 25th October, 2013

Weather during the period

- Rainfall: -
 - 1. Ziro NA

Weather Forecast

- Rainfall Partly cloudy/cloudy with scattered rains fcst-next 2/3 days.
- <u>Temperature</u> The temperature is likely to be in the range of 6-15°C.
- Relative Humidity The RH is likely to be in the range of 66-95 %.

Weather Based Agro-meteorological Advisories Bulletin

Cron	Stago	Pest/Disease	Dragautionary Dragtices to be followed
Crop	Stage		Precautionary Practices to be followed EGETABLE CROPS
Cauliflower	Transplanting		
Cauliflower/ Cabbage/ Radish	Transplanting /Vegetative	Leaf eating caterpillars Wirestem	 In present weather conditions severe attack of leaf eating caterpillars has been reported. Spray Chlorpyriphos/Imidacloprid in recommended dose in the next one or two days when weather is clear. Dose-Imidacloprid 17SL @ 1-2 ml per litre depending upon the population, Farmers are advised to manually collect and destroy the larvae, wherever population is not large. In present weather conditions severe attack of wirestem disease is reported from different part. Drenching with Carbendazim 50 % WP @ 1 grams per litre of water is advised,
Radish	Vegetative Harvesting	Leaf eating caterpillars	 Sowing of good quality treated seed may be done, Light interculture operations may be done, Spray Chlorpyriphos/Imidacloprid in recommended dose.
Spinach	Sowing/ Vegetative		 Harvest mature crops, 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 (Mipun)	Grain filling / Ripening/ Maturing	Gundhi bug <u>Rat</u>	 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%, Wherever rat menace is there, install rat trap, When severity is high use aluminium phosphide pellets for fumigating the rat burrows, Herein, farmers are advised not to kill snakes as far as possible, as they are the main biological agent which check rodent population,
			FRUIT CROPS
Khasi Mandarin	Fruit development	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 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,
	T		LIVESTOCKS
Livestock Poultry	Stage All stages	Disease	 Precautionary Practices to be followed 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 v Feeds: Properly cook the feed, a feeds, 	
		• Piglets: Provide warmth by bulb/cushioning material,	lighting with filament
		• Care pregnant animals,	
Cattle	All stages	Lighting to maintain warmth in the	e shade,
		Deworming,	
		As green feeds supply will decrease	e, provide quality feeds,
Mithun	All stages	FMD • Vaccination should be done post n	nonsoon,
		Black quarter • In young ones, BQ may be observed	ed, vaccinate the animals,

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

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



(Papum Pare)

No:-55/2013-14/Fri Dated: 25th October, 2013

Weather during the period

Maximum temperature: 32.6 °C
Minimum Temperature: 17.8°C
Relative Humidity (%):74-93

• Rainfall: -

Itanagar – 2.0 mm
 Naharlagun – 2.2 mm

Weather Forecast

- Rainfall Clear/partly cloudy weather forecasted for next 3-4 days.Light rain may occur in isolated places.
- <u>Temperature</u> The temperature is likely to be in the range of 18-31°C.
- Relative Humidity The RH is likely to be in the range of 49-93 %.

Crop	Stage	Pest/Disease	Precautionary Practices to be followed
•		V	EGETABLE CROPS
Cauliflower/ Cabbage/ Radish	Transplanting /Vegetative	Leaf eating caterpillars Wirestem	 In present weather conditions severe attack of leaf eating caterpillars has been reported. Spray Chlorpyriphos/Imidacloprid in recommended dose in the next one or two days when weather is clear. Dose-Imidacloprid 17SL @ 1-2 ml per litre depending upon the population, Farmers are advised to manually collect and destroy the larvae, wherever population is not large. In present weather conditions severe attack of wirestem disease is reported from different part. Drenching with Carbendazim 50 % WP @ 1 grams per litre of water is advised,
Radish	Vegetative Harvesting	Leaf eating caterpillars	 Sowing of good quality treated seed may be done, Light interculture operations may be done, Spray Chlorpyriphos/Imidacloprid in recommended dose.
Carrot	Vegetative		Light interculture operations should be done,
Spinach	Sowing/ Vegetative		 Harvest mature crops, 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 (Mipun)	Grain filling / Ripening/ Maturing	Gundhi bug Rat	 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%, Wherever rat menace is there, install rat trap, When severity is high use aluminium phosphide pellets for fumigating the rat burrows, Herein, farmers are advised not to kill snakes as far as possible, as they are the main biological agent which check rodent population,
Potato	Field preparation/ Planting/ Vegetative		 Seed dipping with Dithane M45 @2.5 grams per litre of water for 30 minutes is advised before planting, Monitor the crop against attack of Cutworm,
Mustard	Vegetative	Leaf eating catterpillar	Monitor the crop against attack of leaf eating caterpillars,Thinning may be done to maintain proper plant count,
Winter Maize	Vegetative	Cut worm	Monitor for attack of cut worm in the germinated fields,
Pea	Vegetative		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, FRUIT CROPS

Khasi	Fruit		In an account records on a condition of the condition of
Mandarin Banana	development All stages	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, Removal of heavily infested plants and deep burial in the pits,
Danaia	1 III stages	weevil	 Cleaning around the crop,
			LIVESTOCKS
Livestock	Stage	Disease	Precautionary Practices to be followed
Poultry	All stages	2.05	 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 Black quarter	 Vaccination should be done post monsoon, In young ones, BQ may be observed, vaccinate the animals,
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			

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conditions or call at 03795226247/37



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



(Tawang)

<u>No:-55/2013-14/Fri</u> <u>Dated: 25th October, 2013</u>

Weather during the period

- Rainfall: -
 - 1. Tawang -2.0 mm

Weather Forecast

- Rainfall- Partly cloudy/cloudy with scattered rains fcst-next 2/3 days.
- <u>Temperature</u> The temperature is likely to be in the range of 5-15 °C.
- **Relative Humidity** The RH is likely to be in the range of 52-90 %.

Weather Based Agro-meteorological Advisories Bulletin

Crop	Stage	Pest/Disease	Precautionary Practices to be followed
			FRUITS
Apple	Harvesting	Fruit Fly	Monitor fruit fly damage,
			• Collection/deep burying (Atleast 4 feet deep) of
			infected fruit,
			• If extreme damage is noticed, spraying of Malathion
			@ 3ml per litre of water is advised,
			• Installation of light traps to capture adults.
		Trunk Borer	• Urgent/immediate treatment of affected parts of trees,
	I	I	GETABLE CROPS
Cauliflower	Harvesting	Cutworm	 Monitor crop against attack of cutworm in the field,
/		D' 1	• In present weather conditions, monitor the crop
Cabbage/		Diamond	against attack of DBM caterpillars,
Radish		back moth	• If damage level is high, spraying of <i>Bt</i> formulation
D 1' 1	77		may be done,
Radish	Vegetative		• Harvest,
3.5 . 1	Maturity		
Mustard	Sowing		• Sowing of good quality seeds for leafy vegetable
(leafy	Vegetative		purpose may be done,
vegetables)		1	INTERTOCKE
T investe als	Ctaga	I	LIVESTOCKS Draggaria magra Draggiaga to be followed
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
			• 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,
Cattle	All stages		Lighting to maintain warmth in the shade,
	- 30		• Deworming,
			• As green feeds supply will decrease, provide quality
			feeds,
Goat/Sheep	All stages	PPR	Vaccinate against the PPR,
			Provide mineral mixture,
Contact Scie	entists (ICAD)	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 <u>West Siang, Basar - 791 101</u>



(Tirap)

No:-55/2013-14/Fri Dated: 25th October, 2013

Weather during the period

- Rainfall: -
 - Khonsa –NA
 - <u>Deomali</u> –8.0 mm

Weather Forecast

- <u>Rainfall</u> Clear/partly cloudy weather forecasted for next 3-4 days. High humid conditions during first half forecasted.
- <u>Temperature</u> The temperature is likely to be in the range of 19-29°C.
- Relative Humidity The RH is likely to be in the range of 48-100 %.

Cauliflower/ Cabbage/ Radish Radish Radish Vegetative Harvestine Carrot Vegetative Spinach Sowing/ Vegetative WRC rice – Main crop (Mipun) Potato Potato Potato Field preparation Planting Vegetative Turmeric and ginger Mustard Vegetative Vegetative	Pest/Disease	Precautionary Practices to be followed
Radish Radish Vegetative Harvestir Carrot Vegetative Spinach Sowing/Vegetative WRC rice – Main crop (Mipun) Potato Potato Potato Field preparation Planting Vegetative Turmeric and ginger Growing		EGETABLE CROPS
Carrot Vegetative Spinach Sowing Vegetative WRC rice – Main crop (Mipun) Maturing Potato Field preparation Planting Vegetative Turmeric and ginger Growing	ng Leaf eating	 In present weather conditions severe attack of leaf eating caterpillars has been reported. Spray Chlorpyriphos/Imidacloprid in recommended dose in the next one or two days when weather is clear. Dose-Imidacloprid 17SL @ 1-2 ml per litre depending upon the population, Farmers are advised to manually collect and destroy the larvae, wherever population is not large. In present weather conditions severe attack of wirestem disease is reported from different part. Drenching with Carbendazim 50 % WP @ 1 grams per litre of water is advised,
Spinach Sowing/Vegetative WRC rice – Main crop (Mipun) Ripening Maturing Potato Field preparation Planting Vegetative Turmeric and ginger Growing		 Sowing of good quality treated seed may be done, Light interculture operations may be done, Spray Chlorpyriphos/Imidacloprid in recommended dose.
WRC rice – Grain fillin Ripening (Mipun) Maturin Potato Field preparation Planting Vegetative Turmeric and ginger	e	Light interculture operations should be done,
Main crop (Mipun) Potato Potato Planting Vegetativ Turmeric and ginger Ripening Ripening Field preparatio Planting Vegetativ		 Harvest mature crops, Sowing of certified/locally available seeds in well prepared nursery may be done, Light interculture operations should be done, FIELD CROPS
preparatio Planting Vegetativ Turmeric and ginger Growing	;/	 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%, Wherever rat menace is there, install rat trap, When severity is high use aluminium phosphide pellets for fumigating the rat burrows, Herein, farmers are advised not to kill snakes as far as possible, as they are the main biological agent which check rodent population,
ginger	′	 Seed dipping with Dithane M45 @2.5 grams per litre of water for 30 minutes is advised before planting, Monitor the crop against attack of Cutworm,
Mustard Vegetativ	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,
		Monitor for attack of cut worm in the germinated fields,
Pea Field preparati Sowing	catterpillar on	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, FRUIT CROPS

Khasi Mandarin	Fruit development	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 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, LIVESTOCKS
Livestock	Stage	Disease	Precautionary Practices to be followed
Poultry	All stages		Maintain warmth by lighting filament bulb in the shed,
, and the second	S		 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,

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ICAR Research Complex for NEH Region, Arunachal Pradesh Centre

West Siang, Basar – 791 101



(Upper Siang)

<u>No:-55/2013-14/Fri</u> <u>Dated: 25th October, 2013</u>

Weather during the period

• <u>Rainfall</u>: -Ñ Tuting – 2.8 mm

Weather Forecast

- Rainfall Partly cloudy/cloudy with scattered rains fcst-next 2/3 days.
- <u>Temperature</u> The temperature is likely to be in the range of 12-21°C.
- Relative Humidity The RH is likely to be in the range of 41-92 %.

Lichen/

Weather Based Agro-meteorological Advisories Bulletin

Crop	Stage	Pest/Disease	Precautionary Practices to be followed
Стор	Stage		EGETABLE CROPS
Cauliflower/ Cabbage/ Radish	Transplanting /Vegetative	Leaf eating caterpillars Wirestem	 In present weather conditions severe attack of leaf eating caterpillars has been reported. Spray Chlorpyriphos/Imidacloprid in recommended dose in the next one or two days when weather is clear. Dose Imidacloprid 17SL @ 1-2 ml per litre depending upon the population, Farmers are advised to manually collect and destroy the larvae, wherever population is not large. In present weather conditions severe attack of wirestem disease is reported from different part. Drenching with Carbendazim 50 % WP @ 1 grams per litre of water is advised,
Radish	Vegetative Harvesting	Leaf eating caterpillars	 Sowing of good quality treated seed may be done, Light interculture operations may be done, Spray Chlorpyriphos/Imidacloprid in recommended dose.
Carrot	Vegetative		 Light interculture operations should be done,
Spinach	Sowing/ Vegetative		 Harvest mature crops, 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 (Mipun)	Grain filling / Ripening/ Maturing	Gundhi bug Rat	 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%, Wherever rat menace is there, install rat trap, When severity is high use aluminium phosphide pellets for fumigating the rat burrows, Herein, farmers are advised not to kill snakes as far as possible, as they are the main biological agent which check rodent population,
Potato	Field preparation/ Planting/ Vegetative		 Seed dipping with Dithane M45 @2.5 grams per litre of water for 30 minutes is advised before planting, Monitor the crop against attack of Cutworm,
Mustard	Vegetative	Leaf eating catterpillar	 Monitor the crop against attack of leaf eating caterpillars, Thinning may be done to maintain proper plant count,
Winter Maize Pea	Vegetative Field preparation Sowing	Cut worm	 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,
			FRUIT CROPS
Khasi Mandarin	Fruit development	Trunk borer, Ants	 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.

		Mosses 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,
		LIVESTOC	KS and VETERINARY ASPECT
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 Black quarter	 Vaccination should be done post monsoon, In young ones, BQ may be observed, vaccinate the animals,
Dog	All stages	Rabies,	Vaccinate against rabies,Deworming,
Goat/Sheep	All stages	PPR	Vaccinate against the PPR,Provide mineral mixture,

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



(Upper Subansiri)

<u>No:-55/2013-14/Fri</u> <u>Dated: 25th October, 2013</u>

Weather during the period

- Rainfall: -
 - Daporijo- 2.0 mm

Weather Forecast

- Rainfall Partly cloudy/cloudy with scattered rains fcst-next 2/3 days.
- <u>Temperature</u> The temperature is likely to be in the range of 12-24°C.
- Relative Humidity The RH is likely to be in the range of 55-94 %.

Crop	Stage	Pest/Disease	Precautionary Practices to be followed
			EGETABLE CROPS
Cauliflower/ Cabbage/ Radish	Transplanting /Vegetative	Leaf eating caterpillars Wirestem	 In present weather conditions severe attack of leaf eating caterpillars has been reported. Spray Chlorpyriphos/Imidacloprid in recommended dose in the next one or two days when weather is clear. Dose-Imidacloprid 17SL @ 1-2 ml per litre depending upon the population, Farmers are advised to manually collect and destroy the larvae, wherever population is not large. In present weather conditions severe attack of wirestem disease is reported from different part. Drenching with Carbendazim 50 % WP @ 1 grams per litre of water is advised,
Radish	Vegetative Harvesting	Leaf eating caterpillars	 Sowing of good quality treated seed may be done, Light interculture operations may be done, Spray Chlorpyriphos/Imidacloprid in recommended dose.
Carrot	Vegetative		• Light interculture operations should be done,
Spinach	Sowing/ Vegetative		 Harvest mature crops, Sowing of certified/locally available seeds in well prepared nursery may be done,
			• Light interculture operations should be done,
	1		FIELD CROPS
WRC rice – Main crop (<i>Mipun</i>)	Grain filling / Ripening/ Maturing	Gundhi bug <u>Rat</u>	 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%, Wherever rat menace is there, install rat trap, When severity is high use aluminium phosphide pellets for fumigating the rat burrows, Herein, farmers are advised not to kill snakes as far as possible, as they are the main biological agent which check rodent population,
Potato	Field preparation/ Planting/ Vegetative		 Seed dipping with Dithane M45 @2.5 grams per litre of water for 30 minutes is advised before planting, Monitor the crop against attack of Cutworm,
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	Vegetative	Leaf eating catterpillar	 Monitor the crop against attack of leaf eating caterpillars, Thinning may be done to maintain proper plant count,
Winter Maize	Vegetative	Cut worm	• 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,
T71 '	- ·		FRUIT CROPS
Khasi Mandarin	Fruit development		 In present weather conditions farmers are advised to clean the basin along with dropped fruits.

		Trunk borer, Ants Lichen/ Mosses Fruit fly	 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,
Banana	All stages	Pseudostem weevil	 Removal of heavily infested plants and deep burial in the pits, Cleaning around the crop,
-		1	LIVESTOCKS
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 Black quarter	 Vaccination should be done post monsoon, In young ones, BQ may be observed, vaccinate the animals,
Dog	All stages	Rabies,	Vaccinate against rabies,Deworming,
Goat/Sheep	All stages	PPR	Vaccinate against the PPR,Provide mineral mixture,

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



(West Kameng)

No:-55/2013-14/Fri Dated: 25th October, 2013

Weather during the period

• Rainfall: - Bomdila –0.0 mm Bhalokpung – 63.4 mm

Weather Forecast

- Rainfall- Partly cloudy/cloudy with scattered rains fcst-next 2/3 days.
- <u>Temperature</u> The temperature is likely to be in the range of 9-21°C.
- **Relative Humidity** The RH is likely to be in the range of 52-96 %.

Weather Based Agro-meteorological Advisories Bulletin

Crop	Stage	Pest/Disease	Precautionary Practices to be followed
			FRUITS
Apple	Harvesting	Fruit Fly Trunk Borer	 Monitor fruit fly damage, Collection/deep burying (Atleast 4 feet deep) of infected fruit, If extreme damage is noticed, spraying of Malathion @ 3ml per litre of water is advised, Installation of light traps to capture adults. Urgent/immediate treatment of affected parts of trees,
		VE	GETABLE CROPS
Cauliflower / Cabbage/ Radish	Harvesting	Cutworm Diamond back moth	 Monitor crop against attack of cutworm in the field, In present weather conditions, monitor the crop against attack of DBM caterpillars, If damage level is high, spraying of <i>Bt</i> formulation may be done,
Radish	Vegetative Maturity		• Harvest,
Mustard (leafy vegetables)	Sowing Vegetative		• Sowing of good quality seeds for leafy vegetable purpose may be done,
		-	LIVESTOCKS
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,
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,

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

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



(West Siang)

No:-55/2013-14/Fri

Weather during the period

Dated: 25th October, 2013

• During the period weather was clear, sunny and dry.

Maximum temperature: 29.0°C
Minimum Temperature: 15.0°C

Rainfall: 31.5 mmEvapotranspiration: - -

• Relative Humidity (%):-68-91 %

• Soil moisture (m²/ m²):0.24

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

• Average Wind Speed: **0.6 metres per second**

• Average Sunshine hours : 6.6 hours

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

Weather Forecast

- Rainfall: Partly cloudy/cloudy with scattered rains fcst-next 2/3 days.
- <u>Temperature</u> Temperature will vary between 14-26 °C.
- **Relative Humidity** The RH is likely to be in the range of 45-94 %.

Crop	Stage	Pest/Disease	Precautionary Practices to be followed
	_	V	EGETABLE CROPS
Cauliflower/ Cabbage/ Radish	Transplanting /Vegetative	Leaf eating caterpillars Wirestem	 In present weather conditions severe attack of leaf eating caterpillars has been reported. Spray Chlorpyriphos/Imidacloprid in recommended dose in the next one or two days when weather is clear. Dose-Imidacloprid 17SL @ 1-2 ml per litre depending upon the population, Farmers are advised to manually collect and destroy the larvae, wherever population is not large. In present weather conditions severe attack of wirestem disease is reported from different part. Drenching with Carbendazim 50 % WP @ 1 grams per litre of water is advised,
Radish	Vegetative Harvesting	Leaf eating caterpillars	 Sowing of good quality treated seed may be done, Light interculture operations may be done, Spray Chlorpyriphos/Imidacloprid in recommended dose.
Carrot	Vegetative		Light interculture operations should be done,
Spinach	Sowing/ Vegetative		 Harvest mature crops, 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 (Mipun)	Grain filling / Ripening/ Maturing	Gundhi bug Rat	 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%, Wherever rat menace is there, install rat trap,
		<u>Ivat</u>	 When severity is high use aluminium phosphide pellets for fumigating the rat burrows, Herein, farmers are advised not to kill snakes as far as possible, as they are the main biological agent which check rodent population,
Potato	Field preparation/ Planting/ Vegetative		 Seed dipping with Dithane M45 @2.5 grams per litre of water for 30 minutes is advised before planting, Monitor the crop against attack of Cutworm,

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.	
Mustard Winter Maize	Vegetative Vegetative	Leaf eating catterpillar Cut worm	 Spray Rogor @ 0.05% if infestation is observed, Monitor the crop against attack of leaf eating caterpillars, Thinning may be done to maintain proper plant count, Monitor for attack of cut worm in the germinated fields, 	
Pea	Vegetative	Cut worm	 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, 	
	FRUIT CROPS			
Khasi Mandarin	Fruit development	Trunk borer, Ants	 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. 	
		Lichen/ Mosses Fruit fly	 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, 	
Banana	All stages	Pseudostem weevil	 Removal of heavily infested plants and deep burial in the pits, Cleaning around the crop, 	
			CKS and VETERINARY ASPECT	
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, 	
Rabbits	All stages	Snuffles	Keep strict vigilConsult experts,	
Mithun	All stages	FMD Black quarter	 Vaccination should be done post monsoon, In young ones, BQ may be observed, vaccinate the animals, 	
Dog	All stages	Rabies,	 Vaccinate against rabies, Deworming,	
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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