

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



(East Siang)

No:-45/2013-14/Fri Dated: 20th September, 2013

Weather during the period

Maximum temperature: 37.1 mmMinimum Temperature: 25.5 mm

• Rainfall:

Crop

Early crop

WRC rice –

Main crop

(Mipun)

Flowering

Milking stage

Gundhi bug

Blast

<u>Pasighat</u> – 0.0 mm <u>Relative humidity (%)</u>: 70-76

Stage

Weather Forecast

AS PER THE IMD REPORT ON STANDARD PRECIPITAION INDEX VALUE, THE DISTRICT WAS FOUND DRY, FARMERS ARE ADVISED TO GO FOR PROTECTIVE IRRIAGION TO THE STANDING CROPS.

- <u>Rainfall</u> Partially cloudy weather with light showers may occur at few places. In general clear/dry weather is fcst. Modearate/heavy rains may occur at few places.
- <u>Temperature</u> Temperature will vary between 23-36 °C.
- **Relative Humidity** The RH is likely to be in the range of 53-95 %.

Pest/Disease

Weather Based Agro-meteorological Advisories Bulletin

VEGETABLE CROPS

Precautionary Practices to be followed

Maintain proper moisture level in the crop field,

If damage level is high, use Malathion dust 5%,

Need based spraying of Tilt @ 1 ml/litre of water may be

Collect/destroy bugs found in the field,

Weeding is also advised,

• In present weather conditions farmers are advised to prepare nursery for sowing of cruciferous								
vegetables FYM.	vegetables. Raised seed bed should be prepared. Use well decomposed cow dung/fully mature							
	tment with C	antan / Dithan	e M45 @ 2.5 grams per kilogram seeds (dry treatment)					
should be		up with 2 miles	i iiie e ale grame per unegram eccue (any neumenn)					
	,	aintain approp	riate moisture level in the nursery and in the crop field.					
Cauliflower/ Cabbage/ Radish	Nursery preparation	Cutworm Wilting/ Colar rot/ Damping off	 Maintain appropriate moisture level in the nursery and in the crop field, Attack of cut worm has been reported. Farmers are advised to manually collect and destroy the larvae during the dusk hours or from the damaged seedling, Seed treatment is extremely important with appropriate fungicide/insecticide, Soil drenching with Captan (@3grams/litre of water) or Bavistin (@ 2 grams per litre of water) is advised, 					
Radish	Sowing	Damping off	 Keeping present weather conditions in view sowing of good quality seeds should be done, Regular monitoring of crop for attack of damping off should be done, 					
Carrot	Sowing		• Sowing of quality seeds in well prepared field may be done,					
Spinach	Sowing		• Sowing of certified/locally available seeds in well prepared nursery may be done,					
Cucurbits	Harvest	Fruit fly	 Severe fruit fly damage is reported from most of the places, Collection/deep burying (Atleast 4 feet deep) of infected fruit, Spraying of Malathion @ 3ml per litre of water is advised 					
FIELD CROPS								
	mers are advise	ed to sort the fal	se smut affected seeds from the healthy seeds before storing.					
WRC rice-	Harvest	Rat	Wherever rat menace is there, install rat trap,					

		done,
Potato	Field preparation	 Procurement of quality seeds from certified source is advised,
		• While procuring seeds from local source examine the seeds,
Mustard	Field preparation	• Taking advantage of the recent rains farmers are advised for field preparation,
		• Procure quality seeds. Seed treatment is highly recommended,

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 be
	Sowing			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 present weather conditions farmers are advised to apply mulch to conserve the moisture,

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. 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,
Banana	All stages	Pseudostem weevil	 Removal of heavily infested plants and deep burial in the pits, 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.

#IDEADED.			
Livestock	Stage	Disease	Precautionary Practices to be followed
Poultry	All stages		Vaccinate according to schedule,
Pigs	All stages	Swine fever	Vaccinate against swine fever,
			Deworming,
			Avoid scavenging,
Cattle/Mithun	All stages	FMD/BQ	Vaccination,
		Worm	Deworming,
Goat/Sheep	All stages		Deworming and vaccination.
Fish	All stages		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

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



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



(Lohit)

No:-45/2013-14/Fri Dated: 20th September, 2013

Weather during the period

- <u>Rainfall</u>: -
 - Tezu 0.0 mm
 - Namsai 1.6 mm

Weather Forecast

- <u>Rainfall</u> Cloudy/partial cloudy weather with light/moderate rains forecasted for next 1 or 2 days and thereafter clear weather is forecasted.
- <u>Temperature</u> The temperature is likely to be in the range of 7-19°C.
- Relative Humidity The RH is likely to be in the range of 53-99 %.

Weather Based Agro-meteorological Advisories Bulletin

	Crop	Stage	Pest/Disease	Precautionary Practices to be followed						
	VEGETABLE CROPS									
	_		•	s are advised to prepare nursery for sowing of cruciferous e prepared. Use well decomposed cow dung/fully mature						
		• Seed treatment with Captan/Dithane M45 @ 2.5 grams per kilogram seeds (dry treatment) should be done,								
	• Regularly	monitor to m	aintain approp	riate moisture level in the nursery and in the crop field.						
	Cauliflower/	Nursery		• Maintain appropriate moisture level in the nursery and in						
	Cabbage/	preparation		the crop field,						
	Radish		Cutworm	• Attack of cut worm has been reported. Farmers are advised to manually collect and destroy the larvae during the dusk						
1			Wilting/	have as from the dome and conding						

		Wilting/ Colar rot/ Damping off	 to manually collect and destroy the larvae during the dusk hours or from the damaged seedling, Seed treatment is extremely important with appropriate fungicide/insecticide, Soil drenching with Captan (@3grams/litre of water) or Bavistin (@ 2 grams per litre of water) is advised,
Radish	Sowing	Damping off	 Keeping present weather conditions in view sowing of good quality seeds should be done, Regular monitoring of crop for attack of damping off should be done,
Carrot	Sowing		• Sowing of quality seeds in well prepared field may be done,
			FIELD CROPS
WRC rice	Tillering,	Gundhi bug	Collect/destroy bugs found in the field,
	Booting		• If damage level is high, use Malathion dust 5%,
	Flowering		Weeding is also advised,
	Milking stage	Blast	• Need based spraying of Tilt @ 1 ml/litre of water may be done,
Sesame (Til)	Field		• In present weather conditions farmers are advised to
	preparation		prepare field for sowing of quality seeds of sesame,
	Sowing		Seed treatment is advised,
Mustard	Field		Taking advantage of the recent rains farmers are advised for
	preparation		field preparation,

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

Procure quality

recommended,

seeds.

Seed

treatment

highly

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						

FRUIT CROPS							
Khasi Mandarin	Fruiting	Trunk borer, Ants Lichen/ Mosses Fruit fly	•	In present weather conditions farmers are advised to clean the basin along with dropped fruits. Cleaning of entry hole and treatment with Dichlorvos dipped cotton swabs is advised. Use of light trap to attract adults is also advised. Weeding around basin, Farmers are advised to use Jaggary/Malathion traps or pheromone traps to monitor the pest population and collect and destroy the adults insects,			
				TIMEOTOOILO			

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		•	Vaccinate according to schedule,
Pigs	All stages	Swine fever	•	Vaccinate against swine fever,
			•	Deworming,
			•	Avoid scavenging,
Cattle	All stages	FMD/BQ	•	Vaccination,
		Worm	•	Deworming,
Fish	All stages		•	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



(Lower Subansiri)

No:-45/2013-14/Fri

Dated: 20th September, 2013

Precautionary Practices to be followed

Severe fruit fly damage is reported from most of the

Collection/deep burying (Atleast 4 feet deep) of infected

Spraying of Malathion @ 3ml per litre of water is advised

Weather during the period

• Rainfall: -

Crop

Cucurbits

1. Ziro – NA

Stage

Harvest

Weather Forecast

- Rainfall Partial cloudy weather with light rains is forecasted for 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 56-96 %.

Pest/Disease

Weather Based Agro-meteorological Advisories Bulletin

1	VEGETABLE CROPS						
• In present weather conditions farmers are advised to prepare nursery for sowing of cruciferous vegetables. Raised seed bed should be prepared. Use well decomposed cow dung/fully mature FYM.							
• Seed treat	tment with C	aptan/Dithan	M_{2}	45 @ 2.5 grams per kilogram seeds (dry treatment)			
should be	done,						
• Regularly	monitor to m	aintain approp	riate	moisture level in the nursery and in the crop field.			
Cauliflower/	Nursery		•]	Maintain appropriate moisture level in the nursery and in			
Cabbage/	preparation		1	the crop field,			
Radish		Cutworm	•	Attack of cut worm has been reported. Farmers are advised			
			1	to manually collect and destroy the larvae during the dusk			
		Wilting/]	hours or from the damaged seedling,			
		Colar rot/	•	Seed treatment is extremely important with appropriate			
		Damping off	1	fungicide/insecticide,			
				Soil drenching with Captan (@3grams/litre of water) or			
				Bavistin (@ 2 grams per litre of water) is advised,			
Radish	Sowing			Keeping present weather conditions in view sowing of good			
				quality seeds should be done,			
		Damping off		Regular monitoring of crop for attack of damping off should			
				be done,			
Spinach	Sowing			Sowing of certified/locally available seeds in well prepared			
				nursery may be done,			

FIELD CROPS

Fruit fly

• Farmers are advised to sort the false smut affected seeds from the healthy seeds before storing.

WRC rice-	Harvest	Rat	•	Wherever rat menace is there, install rat trap,
Early crop				_
WRC rice -	Flowering	Gundhi bug	•	Maintain proper moisture level in the crop field,
Main crop	Milking stage		•	Collect/destroy bugs found in the field,
(Mipun)			•	If damage level is high, use Malathion dust 5%,
		Blast	•	Weeding is also advised,
			•	Need based spraying of Tilt @ 1 ml/litre of water 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. Taking into account the rainfall recorded during last week, this technology may also be used in harvested *Jhum* rice field.

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 be

Sowing	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 avacant weather conditions farmers are advised to apply mulch to conserve the moisture				

• In present	weather cond	itions farmers d	are advised to apply mulch to conserve the moisture,
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. 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

LIVESTOCKS

traps may also be done,

pheromone traps to monitor the pest population and collect and destroy the adult insects. Installation of pheromone

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		Vaccinate according to schedule,
Pigs	All stages	Swine fever	Vaccinate against swine fever,
			Deworming,
			Avoid scavenging,
Cattle/Mithun	All stages	FMD/BQ	Vaccination,
		Worm	Deworming,
Goat/Sheep	All stages		Deworming and vaccination.
Fish	All stages		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



(Papum Pare)

No:-45/2013-14/Fri Dated: 20th September, 2013

Weather during the period

Maximum temperature: 36.2 °C
Minimum Temperature: 24.5 °C
Relative Humidity (%):72-88

• Rainfall: -

Cucurbits

Harvest

Itanagar – 1.0 mm
 Naharlagun – 2.6 mm

Weather Forecast

- Rainfall Partial cloudiness weather with light rains at few places is forecasted for next 2/3 days.
- <u>Temperature</u> The temperature is likely to be in the range of 23-34°C.
- **Relative Humidity** The RH is likely to be in the range of 52-93 %.

Weather Based Agro-meteorological Advisories Bulletin

Crop	Stage	Pest/Disease	Precautionary Practices to be followed					
-	VEGETABLE CROPS							
_	• In present weather conditions farmers are advised to prepare nursery for sowing of cruciferous vegetables. Raised seed bed should be prepared. Use well decomposed cow dung/fully mature FYM.							
• Seed treat	ment with C	aptan/Dithan	e M45 @ 2.5 grams per kilogram seeds (dry treatment)					
should be	done,							
• Regularly	monitor to m	aintain approp	riate moisture level in the nursery and in the crop field.					
Cauliflower/ Cabbage/ Radish	Nursery preparation	Cutworm Wilting/ Colar rot/ Damping off	 Maintain appropriate moisture level in the nursery and in the crop field, Attack of cut worm has been reported. Farmers are advised to manually collect and destroy the larvae during the dusk hours or from the damaged seedling, Seed treatment is extremely important with appropriate fungicide/insecticide, Soil drenching with Captan (@3grams/litre of water) or Bavistin (@ 2 grams per litre of water) is advised, 					
Radish	Sowing	Damping off	 Keeping present weather conditions in view sowing of good quality seeds should be done, Regular monitoring of crop for attack of damping off should be done, 					
Carrot	Sowing		• Sowing of quality seeds in well prepared field may be done,					
Spinach	Sowing		• Sowing of certified/locally available seeds in well prepared					

FIELD CROPS

Fruit fly

• Farmers are advised to sort the false smut affected seeds from the healthy seeds before storing.

places,

nursery may be done,

Severe fruit fly damage is reported from most of the

Collection/deep burying (Atleast 4 feet deep) of infected

Spraying of Malathion @ 3ml per litre of water is advised

· I ull	iicis aic aavisc	a to soft the fai	se small affected seeds from the healthy seeds before storing.
WRC rice-	Harvest	Rat	• Wherever rat menace is there, install rat trap,
Early crop			
WRC rice –	Flowering	Gundhi bug	 Maintain proper moisture level in the crop field,
Main crop	Milking stage		 Collect/destroy bugs found in the field,
(Mipun)			• If damage level is high, use Malathion dust 5%,
		Blast	Weeding is also advised,
			• Need based spraying of Tilt @ 1 ml/litre of water may be
			done,
Potato	Field		• Procurement of quality seeds from certified source is
	preparation		advised,
			• While procuring seeds from local source examine the seeds,

Mustard	Field preparation	•	Taking ad field prep	U	of the rec	ent rain	s farmers are	e adv	vised for
		•	Procure recomme	1 3	seeds.	Seed	treatment	is	highly

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 be
	Sowing			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 present weather conditions farmers are advised to apply mulch to conserve the moisture,

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. 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
Banana	All stages	Pseudostem weevil	•	traps may also be done, Removal of heavily infested plants and deep burial in the pits, 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		Vaccinate according to schedule,
Pigs	All stages	Swine fever	Vaccinate against swine fever,
			Deworming,
			Avoid scavenging,
Cattle/Mithun	All stages	FMD/BQ	Vaccination,
		Worm	Deworming,
Goat/Sheep	All stages		Deworming and vaccination.
Fish	All stages		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



(Tawang)

No:-45/2013-14/Fri Weather during the period

Dated: 20th September, 2013

Rainfall: -

1. Tawang –22.9 mm

Weather Forecast

- **Rainfall**—Partial cloudy weather with light/moderate rains is forecasted for next 2/3 days.
- **Temperature** The temperature is likely to be in the range of 9-17°C.
- **Relative Humidity** The RH is likely to be in the range of 69-92 %.

Weather Based Agro-meteorological Advisories Bulletin

Crop	Stage	Pest/Disease	Precautionary Practices to be followed
			FRUITS
Apple	Harvesting	Fruit Fly Trunk Borer	 Monitoring of fruit fly damage is also advised, Collection/deep burying (Atleast 4 feet deep) of infected fruit, If extreme damage is noticed, spraying of Malathion @ 3ml per litre of water is advised, Installation of light traps to capture adults. Urgent/immediate treatment of affected parts of trees,
		VE	GETABLE CROPS
Cauliflower / Cabbage/ Radish	Harvesting	Cutworm Diamond back moth	 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		• Sowing of good quality seeds for leafy vegetable purpose may be done,
		-	LIVESTOCKS
Livestock	Stage	Disease	Precautionary Practices to be followed
Poultry	All stages		 Provide adequate amount of potable water Vaccinate according to schedule,
Cattle	All stages	FMD BQ Deworming	Vaccinate as per schedule,Deworming with Briben Plus is advised,
Goat/Sheep	All stages		Deworming and vaccination.

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)

<u>No:-45/2013-14/Fri</u> <u>Dated: 20th September, 2013</u>

Weather during the period

- Rainfall: -
 - Khonsa –NA
 - Deomali –26.0 mm

Weather Forecast

- <u>Rainfall</u> Cloudy/partially cloudy weather with light rains in few places forecasted for next 1 or 2 days and thereafter clear weather is forecasted.
- <u>Temperature</u> The temperature is likely to be in the range of 23-34°C.
- Relative Humidity The RH is likely to be in the range of 50-98 %.

Weather Based Agro-meteorological Advisories Bulletin

Crop	Stage	Pest/Disease	Precautionary Practices to be followed				
		VI	EGETABLE CROPS				
• In present weather conditions farmers are advised to prepare nursery for sowing of cruciferous vegetables. Raised seed bed should be prepared. Use well decomposed cow dung/fully mature FYM.							
	• Seed treatment with Captan/Dithane M45 @ 2.5 grams per kilogram seeds (dry treatment) should be done,						
• Regularly	monitor to me	aintain approp	riate moisture level in the nursery and in the crop field.				
Cauliflower/	Nursery		• Maintain appropriate moisture level in the nursery and in				
Cabbage/	preparation		the crop field,				
Radish		Cutworm	• Attack of cut worm has been reported. Farmers are advised to manually collect and destroy the larvae during the dusk				

		Wilting/ Colar rot/ Damping off	•	hours or from the damaged seedling, Seed treatment is extremely important with appropriate fungicide/insecticide, Soil drenching with Captan (@3grams/litre of water) or Bavistin (@ 2 grams per litre of water) is advised,
Radish	Sowing	Damping off	•	Keeping present weather conditions in view sowing of good quality seeds should be done, Regular monitoring of crop for attack of damping off should be done,
Carrot	Sowing		•	Sowing of quality seeds in well prepared field may be done,
]	FIELD CROPS
WRC rice	Tillering,	Gundhi bug	•	Collect/destroy bugs found in the field,
	Booting		•	If damage level is high, use Malathion dust 5%,
	Flowering		•	Weeding is also advised,
	Milking stage	Blast	•	Need based spraying of Tilt @ 1 ml/litre of water may be done,
Sesame (Til)	Field		•	In present weather conditions farmers are advised to
	preparation			prepare field for sowing of quality seeds of sesame,
	Sowing		•	Seed treatment is advised,
Mustard	Field preparation		•	Taking advantage of the recent rains farmers are advised for field preparation,

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

Procure quality

recommended,

seeds.

Seed treatment is

highly

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 Mandarin	Fruiting	Trunk borer, Ants Lichen/ Mosses Fruit fly	•	In present weather conditions farmers are advised to clean the basin along with dropped fruits. Cleaning of entry hole and treatment with Dichlorvos dipped cotton swabs is advised. Use of light trap to attract adults is also advised. Weeding around basin, Farmers are advised to use Jaggary/Malathion traps or pheromone traps to monitor the pest population and collect and destroy the adults insects,
				T TYPOMO OTO

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		Vaccin	ate according to schedule,
Pigs	All stages	Swine fever	Vaccin	ate against swine fever,
			Dewo	ming,
			Avoid	scavenging,
Cattle	All stages	FMD/BQ	Vaccin	ation,
		Worm	Dewo	ming,
Fish	All stages		Pond s	ides should be properly cleaned,
			Harves	et 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

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



(Upper Siang)

No:-45/2013-14/Fri

Dated: 20th September, 2013

Weather during the period

Rainfall: -

Sesame (Til)

Field

preparation

Sowing

N Tuting –12.2 mm

Weather Forecast

- Rainfall Clear/partially cloudy weather forecasted for next 2/3 day. Light rain may occur at isolated places.
- <u>**Temperature**</u> The temperature is likely to be in the range of 9-19 °C.
- **Relative Humidity** The RH is likely to be in the range of 48-93 %.

Weather Based Agro-meteorological Advisories Bulletin

Crop	Stage	Pest/Disease	Precautionary Practices to be followed
•		V	EGETABLE CROPS
• In present	t weather con	ditions farmers	s are advised to prepare nursery for sowing of cruciferous
vegetables FYM.	. Raised seed tment with C	bed should b	e prepared. Use well decomposed cow dung/fully mature e M45 @ 2.5 grams per kilogram seeds (dry treatment)
• Regularly	monitor to m	aintain approp	riate moisture level in the nursery and in the crop field.
Cauliflower/	Nursery		• Maintain appropriate moisture level in the nursery and in
Cabbage/	preparation		the crop field,
Radish		Cutworm	• Attack of cut worm has been reported. Farmers are advised
			to manually collect and destroy the larvae during the dusk

Cabbage/ Radish	preparation	Cutworm Wilting/ Colar rot/ Damping off	 the crop field, Attack of cut worm has been reported. Farmers are advised to manually collect and destroy the larvae during the dusk hours or from the damaged seedling, Seed treatment is extremely important with appropriate fungicide/insecticide, Soil drenching with Captan (@3grams/litre of water) or
Radish	Sowing		 Bavistin (@ 2 grams per litre of water) is advised, Keeping present weather conditions in view sowing of good
Radisii	Jownig	Damping off	 Recepting present weather conditions in view sowing of good quality seeds should be done, Regular monitoring of crop for attack of damping off should be done,
Carrot	Sowing		Sowing of quality seeds in well prepared field may be done,
Spinach	Sowing		• Sowing of certified/locally available seeds in well prepared nursery may be done,
Cucurbits	Harvest	Fruit fly	 Severe fruit fly damage is reported from most of the places, Collection/deep burying (Atleast 4 feet deep) of infected fruit, Spraying of Malathion @ 3ml per litre of water is advised
			FIELD CROPS

Farmers are advised to sort the false smut affected seeds from the healthy seeds before storing. Jhum Rice Harvest Wherever rat menace is there, install rat trap, Rat Herein, farmers are advised not to kill snakes as far as possible, as they are the main biological agent which check rodent population, WRC rice-Harvest Rat Wherever rat menace is there, install rat trap, Early crop Maintain proper moisture level in the crop field, WRC rice – Flowering Gundhi bug Main crop Milking stage Collect/destroy bugs found in the field, (Mipun) If damage level is high, use Malathion dust 5%, Blast Weeding is also advised,

Need based spraying of Tilt @ 1 ml/litre of water may be

field for sowing of quality seeds of sesame,

Seed treatment is advised,

In present weather conditions farmers are advised to prepare

Potato	Field preparation		 Procurement of quality seeds from certified source is advised, While procuring seeds from local source examine 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 of shoot borer is observed
Mustard	Field preparation		 Taking advantage of the recent rains farmers are advised for field preparation, Procure quality seeds. Seed treatment is highly recommended.

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 be
	Sowing			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 present weather conditions farmers are advised to apply mulch to conserve the moisture,

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. 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

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

uiscases.			
Livestock	Stage	Disease	Precautionary Practices to be followed
Poultry	All stages		Vaccinate according to schedule,
Pigs	All stages	Swine fever	Vaccinate against swine fever,
			Deworming,
			Avoid scavenging,
Cattle/Mithun	All stages	FMD/BQ	Vaccination,
		Worm	Deworming,
Goat/Sheep	All stages		Deworming and vaccination.
Fish	All stages		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)

Weather during the period

No:-45/2013-14/Fri

Dated: 20th September, 2013

Rainfall: -

WRC rice-

Early crop

WRC rice –

Main crop

(Mipun)

Harvest

Flowering

Milking stage

Rat

Blast

Gundhi bug

• Daporijo- 0.0 mm

Weather Forecast

AS PER THE IMD REPORT ON STANDARD PRECIPITAION INDEX VALUE, THE DISTRICT WAS FOUND DRY, FARMERS ARE ADVISED TO GO FOR PROTECTIVE IRRIAGION TO THE STANDING CROPS.

- <u>Rainfall</u> Partially cloudy weather with light rains for next 1 or 2 and thereafter clear/dry weather is forecasted.
- <u>Temperature</u> The temperature is likely to be in the range of 9-17°C.
- **Relative Humidity** The RH is likely to be in the range of 57-94 %.

Weather Based Agro-meteorological Advisories Bulletin

Crop	Stage	Pest/Disease	Precautionary Practices to be followed				
		VI	EGETABLE CROPS				
	• In present weather conditions farmers are advised to prepare nursery for sowing of cruciferous vegetables. Raised seed bed should be prepared. Use well decomposed cow dung/fully mature						
	ment with C	avtan/Dithane	e M45 @ 2.5 grams per kilogram seeds (dry treatment)				
should be		—	sale & the grame for this gram come (m) tremment,				
	,	aintain approp	riate moisture level in the nursery and in the crop field.				
Cauliflower/ Cabbage/ Radish	Nursery preparation	Cutworm Wilting/ Colar rot/ Damping off	 Maintain appropriate moisture level in the nursery and in the crop field, Attack of cut worm has been reported. Farmers are advised to manually collect and destroy the larvae during the dusk hours or from the damaged seedling, Seed treatment is extremely important with appropriate fungicide/insecticide, Soil drenching with Captan (@3grams/litre of water) or Bavistin (@ 2 grams per litre of water) is advised, 				
Radish	Sowing	Damping off	 Keeping present weather conditions in view sowing of good quality seeds should be done, Regular monitoring of crop for attack of damping off should be done, 				
Carrot	Sowing		• Sowing of quality seeds in well prepared field may be done,				
Spinach	Sowing		• Sowing of certified/locally available seeds in well prepared nursery may be done,				
Cucurbits	Harvest	Fruit fly	 Severe fruit fly damage is reported from most of the places, Collection/deep burying (Atleast 4 feet deep) of infected fruit, Spraying of Malathion @ 3ml per litre of water is advised FIELD CROPS 				
• Far	ners are advise	ed to sort the fal	se smut affected seeds from the healthy seeds before storing.				
Jhum Rice	Harvest	Rat	 Wherever rat menace is there, install rat trap, Herein, farmers are advised not to kill snakes as far as possible, as they are the main biological agent which check rodent 				

population,

Wherever rat menace is there, install rat trap,

Collect/destroy bugs found in the field,

Weeding is also advised,

Maintain proper moisture level in the crop field,

If damage level is high, use Malathion dust 5%,

Need based spraying of Tilt @ 1 ml/litre of water may be

				done,
Sesame (Til)	Field preparation Sowing		•	In present weather conditions farmers are advised to prepare field for sowing of quality seeds of sesame, Seed treatment is advised,
Potato	Field preparation		•	Procurement of quality seeds from certified source is advised, While procuring seeds from local source examine 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 of shoot borer is observed
Mustard	Field preparation		•	Taking advantage of the recent rains farmers are advised for field preparation, Procure quality seeds. Seed treatment is highly recommended,

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

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

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. 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,
Banana	All stages	Pseudostem weevil	•	Removal of heavily infested plants and deep burial in the pits, 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		•	Vaccinate according to schedule,
Pigs	All stages	Swine fever	•	Vaccinate against swine fever,
			•	Deworming,
			•	Avoid scavenging,
Cattle/Mithun	All stages	FMD/BQ	•	Vaccination,
		Worm	•	Deworming,
Goat/Sheep	All stages		•	Deworming and vaccination.
Fish	All stages		•	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



(West Kameng)

<u>No:-45/2013-14/Fri</u> <u>Dated: 20th September, 2013</u>

Weather during the period

• Rainfall: - Bomdila – 18.0 mm Bhalokpung –0.0 mm

Weather Forecast

- Rainfall-Partial cloudy weather with light/moderate rains is forecasted for next 2/3 days.
- <u>Temperature</u> The temperature is likely to be in the range of 10-18°C.
- **Relative Humidity** The RH is likely to be in the range of 64-97 %.

Weather Based Agro-meteorological Advisories Bulletin

	Weather Based Agro-meteorological Advisories Bulletin					
Crop	Stage	Pest/Disease	Precautionary Practices to be followed			
			FRUITS			
Apple	Harvesting	Fruit Fly Trunk Borer	 Monitoring of fruit fly damage is also advised, Collection/deep burying (Atleast 4 feet deep) of infected fruit, If extreme damage is noticed, spraying of Malathion @ 3ml per litre of water is advised, Installation of light traps to capture adults. 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 Bt formulation may be done, 			
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		Provide adequate amount of potable waterVaccinate according to schedule,			
Cattle	All stages	FMD BQ Deworming	Vaccinate as per schedule,Deworming with Briben Plus is advised,			
Goat/Sheep	All stages		Deworming and vaccination.			

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

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



(West Siang)

<u>No:-45/2013-14/Fri</u> <u>Dated: 20th September, 2013</u>

Weather during the period

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

Maximum temperature: 37.0°C
Minimum Temperature: 21.0°C

• Rainfall: **0.0 mm**

Crop

WRC rice-

Early crop

Harvest

Rat

• Evapotranspiration: - 3.1 mm

• Relative Humidity (%):-60-96 %

Soil moisture (m^2/m^2 :**0.25**

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

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

Stage

• Average Sunshine hours : **6.8 hours**

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

Weather Forecast

- <u>Rainfall</u>—Partially cloudy weather with light rains for next 1 or 2 and thereafter clear/dry weather is forecasted.
- <u>Temperature</u> Temperature will vary between 13-22 °C.
- **Relative Humidity** The RH is likely to be in the range of 53-94 %.

Pest/Disease

Weather Based Agro-meteorological Advisories Bulletin

VEGETABLE CROPS

In present weather conditions farmers are advised to prepare nursery for sowing of cruciferous

Precautionary Practices to be followed

_		-	prepared. Use well decomposed cow dung/fully mature FYM. M45 @ 2.5 grams per kilogram seeds (dry treatment) should
be done,	•	•	
	monitor to m	aintain approp	riate moisture level in the nursery and in the crop field.
Cauliflower/ Cabbage/ Radish	Nursery preparation	Cutworm Wilting/ Colar rot/ Damping off	 Maintain appropriate moisture level in the nursery and in the crop field, Attack of cut worm has been reported. Farmers are advised to manually collect and destroy the larvae during the dusk hours or from the damaged seedling, Seed treatment is extremely important with appropriate fungicide/insecticide, Soil drenching with Captan (@3grams/litre of water) or Bavistin (@ 2 grams per litre of water) is advised,
Radish	Sowing	Damping off	 Keeping present weather conditions in view sowing of good quality seeds should be done, Regular monitoring of crop for attack of damping off should be done,
Carrot	Sowing		• Sowing of quality seeds in well prepared field may be done,
Spinach	Sowing		• Sowing of certified/locally available seeds in well prepared nursery may be done,
Cucurbits	Harvest	Fruit fly	 Severe fruit fly damage is reported from most of the places, Collection/deep burying (Atleast 4 feet deep) of infected fruit, Spraying of Malathion @ 3ml per litre of water is advised
			FIELD CROPS
Ñ Farr	ners are advise	ed to sort the fal	se smut affected seeds from the healthy seeds before storing.
Jhum Rice	Harvest	Rat	 Wherever rat menace is there, install rat trap, Herein, farmers are advised not to kill snakes as far as possible, as they are the main biological agent which check rodent population,

Wherever rat menace is there, install rat trap,

WRC rice –	Flowering	Gundhi bug	Maintain proper moisture level in the crop field,
Main crop	Milking stage		 Collect/destroy bugs found in the field,
(Mipun)			• If damage level is high, use Malathion dust 5%,
		Blast	Weeding is also advised,
			• Need based spraying of Tilt @ 1 ml/litre of water may be
			done,
Sesame (Til)	Field		• In present weather conditions farmers are advised to prepare
	preparation		field for sowing of quality seeds of sesame,
	Sowing		Seed treatment is advised,
Potato	Field		• Procurement of quality seeds from certified source is advised,
	preparation		• While procuring seeds from local source examine the seeds,
Turmeric and	Growing	Soft rot,	• To control soft rot drench soil with Dithane M-45 @ 3 g/litre
ginger		Shoot borer	at 15 days interval.
			• Spray Rogor @ 0.05% if infestation of shoot borer is observed
Mustard	Field		• Taking advantage of the recent rains farmers are advised for
	preparation		field preparation,
			• Procure quality seeds. Seed treatment is highly recommended,

Maize	Field	Cut worm	•	ried preparation for sowing of good quality (certified) seeds,
	preparation		•	Seeds should be properly treated before sowing,
	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	 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. 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	• Removal of heavily infested plants and deep burial in the pits,			
		weevil	• Cleaning around the crop,			
Guava	Fruiting		 Racking of area under the basin may be done, 			
		Fruit fly	 Collect and destroy dropped fruits, 			
	IWECTOOKS					

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		Vaccinate according to schedule,
Pigs	All stages	Swine fever	Vaccinate against swine fever,
			Deworming,
			Avoid scavenging,
Cattle/Mithun	All stages	FMD/BQ	Vaccination,
		Worm	Deworming,
Rabbits	All stages		Keep strict vigil against coccidiosis
Dog	All stages		Vaccinate against rabies,
Goat/Sheep	All stages		Deworming and vaccination.
Fish	All stages		Pond sides should be properly cleaned,
			Harvest of mature fish,

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

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



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



(Changlang)

No:-45/2013-14/Fri Dated: 20th September, 2013

Weather during the period

- Rainfall: -
 - Changlang 5.0 mm
 - Miao 0.4 mm

Weather Forecast

- Rainfall Cloudy/partially cloudy weather with light rains in few places forecasted for next 1 or 2 days and thereafter clear weather is forecasted.
- **Temperature** The temperature is likely to be in the range of 14-27 °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				
• In vresen	t weather con	ditions farmers	s are advised to prepare nursery for sowing of cruciferous				
_		•	e prepared. Use well decomposed cow dung/fully mature				
	s. Kuista stta	oca snouna o	e prepareu. Ose wen accomposea con aangrjany manare				
FYM.							
 Seed trea 	itment with C	aptan/Dithano	e M45 @ 2.5 grams per kilogram seeds (dry treatment)				
should be	done,						
• Regularly	• Regularly monitor to maintain appropriate moisture level in the nursery and in the crop field.						
Cauliflower/	Nursery		• Maintain appropriate moisture level in the nursery and in				
Cabbage/	preparation		the crop field,				
Radish		Cutworm	• Attack of cut worm has been reported. Farmers are advised				
			to manually collect and destroy the larvae during the dusk				
		337:14: /	to make the desired the factor of the factor of the desired the de				

Wilting/ hours or from the damaged seedling, Colar rot/ Seed treatment is extremely important with appropriate Damping off fungicide/insecticide, Soil drenching with Captan (@3grams/litre of water) or Bavistin (@ 2 grams per litre of water) is advised, Radish Sowing Keeping present weather conditions in view sowing of good quality seeds should be done, Damping off Regular monitoring of crop for attack of damping off should be done,

Carrot	Sowing		• Sowing of quality seeds in well prepared field may be done,
			FIELD CROPS
WRC rice	Tillering,	Gundhi bug	Collect/destroy bugs found in the field,
	Booting		• If damage level is high, use Malathion dust 5%,
	Flowering		Weeding is also advised,
	Milking stage	Blast	• Need based spraying of Tilt @ 1 ml/litre of water may be
			done,
Sesame (Til)	Field		• In present weather conditions farmers are advised to
	preparation		prepare field for sowing of quality seeds of sesame,
	Sowing		Seed treatment is advised,
Mustard	Field		• Taking advantage of the recent rains farmers are advised for
	preparation		field preparation,
			• Procure quality seeds. Seed treatment is highly

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

recommended,

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			3

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

	FRUIT CROPS						
Khasi Mandarin	Fruiting	Trunk borer, Ants Lichen/ Mosses Fruit fly	•	In present weather conditions farmers are advised to clean the basin along with dropped fruits. Cleaning of entry hole and treatment with Dichlorvos dipped cotton swabs is advised. Use of light trap to attract adults is also advised. Weeding around basin, Farmers are advised to use Jaggary/Malathion traps or pheromone traps to monitor the pest population and collect and destroy the adults insects,			

LIVESTOCKS

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

Livestock	Stage	Disease		Precautionary Practices to be followed
Poultry	All stages		•	Vaccinate according to schedule,
Pigs	All stages	Swine fever	•	Vaccinate against swine fever,
			•	Deworming,
			•	Avoid scavenging,
Cattle	All stages	FMD/BQ	•	Vaccination,
		Worm	•	Deworming,
Fish	All stages		•	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



(Dibang Valley)

<u>No:-45/2013-14/Fri</u> <u>Dated: 20th September, 2013</u>

Weather during the period

- Rainfall: -
 - Roing 0.2 mm
 - Anini 0.0 mm

Weather Forecast

- <u>Rainfall</u> Partially cloudy weather with light rains/thundershowers forecasted for next 2/3 days and thereafter clear weather forecasted,
- <u>Temperature</u> Temperature will vary between 11-23 °C.
- Relative Humidity The RH is likely to be in the range of 43-97 %.

Weather Based Agro-meteorological Advisories Bulletin

		I	T	1						
Cro	p	Stage	Pest/Disease		Precautionary Practices to be followed					
	VEGETABLE CROPS									
• In 1	reseni	weather con	ditions farmer	s a	re advised to prepare nursery for sowing of cruciferous					
_			-		prepared. Use well decomposed cow dung/fully mature					
FY				· P	nopulear con men accomposed con annighting manne					
	-	···· ··· · · · · · · · · · · · · · · ·	4 / D:41	. 1	115 (2) 2.5 man non 1:10 man conta (1 m) two two ant)					
			aptan/Ditnan	e Iv	145 @ 2.5 grams per kilogram seeds (dry treatment)					
shot	ıld be	done,								
• Reg	ularly	monitor to me	aintain approp	ria	te moisture level in the nursery and in the crop field.					
Cauliflo	ower/	Nursery		•	Maintain appropriate moisture level in the nursery and in					
Cabba	ıge/	preparation			the crop field,					
Radi	ish		Cutworm	•	Attack of cut worm has been reported. Farmers are advised					
					to manually collect and destroy the larvae during the dusk					

	Wilting/ Colar rot/ Damping off	 to manually collect and destroy the larvae during the dusk hours or from the damaged seedling, Seed treatment is extremely important with appropriate fungicide/insecticide, Soil drenching with Captan (@3grams/litre of water) or Bavistin (@ 2 grams per litre of water) is advised,
Sowing	Damping off	 Keeping present weather conditions in view sowing of good quality seeds should be done, Regular monitoring of crop for attack of damping off should be done,
Sowing		Sowing of quality seeds in well prepared field may be done,
Sowing		• Sowing of certified/locally available seeds in well prepared nursery may be done,
Harvest	Fruit fly	 Severe fruit fly damage is reported from most of the places, Collection/deep burying (Atleast 4 feet deep) of infected fruit, Spraying of Malathion @ 3ml per litre of water is advised
	Sowing	Colar rot/ Damping off Sowing Damping off Sowing Sowing

FIELD CROPS

• Farmers are advised to sort the false smut affected seeds from the healthy seeds before storing.

Jhum Rice	Harvest	Rat	•	Wherever rat menace is there, install rat trap, Herein, farmers are advised not to kill snakes as far as possible, as they are the main biological agent which check rodent population,
WRC rice- Early crop	Harvest	Rat	•	Wherever rat menace is there, install rat trap,
WRC rice – Main crop (<i>Mipun</i>)	Flowering Milking stage		•	Maintain proper moisture level in the crop field, Collect/destroy bugs found in the field, If damage level is high, use Malathion dust 5%,
		Blast	•	Weeding is also advised, Need based spraying of Tilt @ 1 ml/litre of water may be

done,

In present weather conditions farmers are advised to prepare

field for sowing of quality seeds of sesame,

Field

preparation

Sesame (Til)

	Sowing		• Seed treatment is advised,
Turmeric and ginger	Growing	Soft rot, Shoot borer	 To control soft rot drench soil with Dithane M-45 @ g/litre at 15 days interval. Spray Rogor @ 0.05% if infestation of shoot borer observed
Mustard	Field preparation		 Taking advantage of the recent rains farmers are advised field preparation, Procure quality seeds. Seed treatment is high recommended,

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 be
	Sowing			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 present weather conditions farmers are advised to apply mulch to conserve the moisture,

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. 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			
Banana	All stages	Pseudostem weevil	•	traps may also be done, Removal of heavily infested plants and deep burial in the pits,			
			•	Cleaning around the crop,			
Guava	Fruiting		•	Racking of area under the basin may be done,			
		Fruit fly	•	Collect and destroy dropped fruits,			
	I IVECTOOKS						

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		Vaccinate according to schedule,
Pigs	All stages	Swine fever	Vaccinate against swine fever,
			Deworming,
			Avoid scavenging,
Cattle/Mithun	All stages	FMD/BQ	Vaccination,
		Worm	Deworming,
Goat/Sheep	All stages		Deworming and vaccination.
Fish	All stages		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

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

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







(East Kameng)

Dated: 20th September, 2013 No:-45/2013-14/Fri

Weather during the period

Rainfall: -

Radish

Carrot

Spinach

Cucurbits

Sowing

Sowing

Sowing

Harvest

Seppa – 37.0 mm

Weather Forecast

- **Rainfall** Partial cloudy weather with light/moderate rains forecasted for next 2/3 days
- **Temperature** 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 56-97 %.

Damping off

Fruit fly

Weather Based Agro-meteorological Advisories Bulletin

Crop	Stage	Pest/Disease	Precautionary Practices to be followed					
	VEGETABLE CROPS							
 In present weather conditions farmers are advised to prepare nursery for sowing of cruciferous vegetables. Raised seed bed should be prepared. Use well decomposed cow dung/fully mature FYM. Seed treatment with Captan/Dithane M45 @ 2.5 grams per kilogram seeds (dry treatment) should be done, 								
• Regularly monitor to maintain appropriate moisture level in the nursery and in the crop field.								
Cauliflov	wer/ Nursery		• Maintain appropriate moisture level in the nursery and in					
Cabbag	ge/ preparation		the crop field,					
Radis	h	Cutworm Wilting/	• Attack of cut worm has been reported. Farmers are advised to manually collect and destroy the larvae during the dusk hours or from the damaged seedling,					

Colar rot/ Seed treatment is extremely important with appropriate Damping off fungicide/insecticide, Soil drenching with Captan (@3grams/litre of water) or

Bavistin (@ 2 grams per litre of water) is advised, Keeping present weather conditions in view sowing of good

quality seeds should be done,

Regular monitoring of crop for attack of damping off should be done, Sowing of quality seeds in well prepared field may be done,

Sowing of certified/locally available seeds in well prepared nursery may be done, Severe fruit fly damage is reported from most of the

places,

Collection/deep burying (Atleast 4 feet deep) of infected

Seed

treatment

highly

seeds.

Spraying of Malathion @ 3ml per litre of water is advised

FIELD CROPS

Farmers are advised to sort the false smut affected seeds from the healthy seeds before storing.

WRC rice-	Harvest	Rat	•	Wherever rat menace is there, install rat trap,
Early crop				
WRC rice –	Flowering	Gundhi bug	•	Maintain proper moisture level in the crop field,
Main crop	Milking stage		•	Collect/destroy bugs found in the field,
(Mipun)			•	If damage level is high, use Malathion dust 5%,
		Blast	•	Weeding is also advised,
			•	Need based spraying of Tilt @ 1 ml/litre of water may be
				done,
Potato	Field		•	Procurement of quality seeds from certified source is
	preparation			advised,
			•	While procuring seeds from local source examine the seeds,
Mustard	Field		•	Taking advantage of the recent rains farmers are advised for
	preparation			field preparation,

Procure quality

			recommended,		
It is also adv	vised from KVK	and ICAR tha	at farmers may use zero tillage technology in harvested paddy		
fields in upland/WRC for sowing of Pea. In this method without ploughing, sowing of pea may be done to					
use moisture of rice field and straw of rice as organic manure. Taking into account the rainfall recorded					
during last w	eek, this techno	ology may also b	e used in harvested <i>Jhum</i> rice field.		

""				
Maize	Field preparation	Cut worm	•	Field preparation for sowing of good quality (certified) seeds,
	1 1			becas,
	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
				in severely damaged fields may be done,

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FRUIT CROPS

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

Khasi Mandarii	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. 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,
Banana	All stages	Pseudostem weevil	•	Removal of heavily infested plants and deep burial in the pits,
			•	Cleaning around the crop,
Guava	Fruiting		•	Racking of area under the basin may be done,
		Fruit fly	•	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		•	Vaccinate according to schedule,
Pigs	All stages	Swine fever	•	Vaccinate against swine fever,
			•	Deworming,
			•	Avoid scavenging,
Cattle/Mithun	All stages	FMD/BQ	•	Vaccination,
		Worm	•	Deworming,
Goat/Sheep	All stages		•	Deworming and vaccination.
Fish	All stages		•	Pond sides should be properly cleaned,
			•	Harvest of mature fish,

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