

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

(<u>Changlang</u>)



No:-44/2013-14/Tue

Weather during the period

Dated: 17th September, 2013

- <u>Rainfall</u>: -
 - Changlang 42 mm
 - Miao 10.2 mm

Weather Forecast

- **<u>Rainfall</u>** Clear and dry weather forecasted for next 2/3 days.
 - <u>**Temperature</u>** The temperature is likely to be in the range of 14-28 °C.</u>
- **<u>Relative Humidity</u>** The RH is likely to be in the range of 50-96 %.

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 should be done,

Regularly	monitor to m	aintain approp	priate moisture level in the nursery.
Cauliflower/ Cabbage/ Radish	Nursery preparation	Cutworm Wilting/ Colar rot/ Damping off	 Maintain appropriate moisture level in the nursery, 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,
Spinach	Sowing		• Sowing of certified/locally available seeds in well prepared nursery may be done,
		0 11 1 1	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	D1 (• Weeding is also advised,
	Milking stage	Blast	• 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,
Mustard	Field preparation		 Taking advantage of the recent rains farmers are advised for field preparation, Procure quality seeds. Seed treatment is highly recommended,
It is also advi	sed from KVK	and ICAR that	at farmers may use zero tillage technology in harvested paddy
			in this method without ploughing, sowing of pea may be done
-		0	e as organic manure. Taking into account the rainfall recorded
			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
	Sowing		be done, (If damage level is not serious). Use of Carbaryl
	0		or uone, (ii uamage rever is not senous). Ose of Caldalyl

dust in severely damaged fields may be done, It is also advised from KVK and ICAR that farmers may use zero tillage technology in harvested paddy fields in upland/WRC for sowing of Pea. In this method without ploughing, sowing of pea may be done to use moisture of rice field and straw of rice as organic manure. **FRUIT CROPS** Khasi Fruiting In present weather conditions farmers are advised to clean • Mandarin the basin along with dropped fruits. Trunk borer, Cleaning of entry hole and treatment with Dichlorvos • Ants dipped cotton swabs is advised.

Lichen/ Mosses Fruit fly	•	Use of light trap to attract adults is also advised. Weeding around basin, Farmers are advised to use <i>Jaggary</i> /Malathion traps or pheromone traps to monitor the pest population and collect and destroy the adults insects,			
LIVESTOCKS					

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

Livestock	Stage	Disease		Precautionary Practices to be followed
Poultry	All stages		•	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 Sc	iontists (ICAR) or State Agril	Staff	for KVK staff for any quaries (maggures against adverse

• 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

<u>West Siang, Basar – 791 101</u>



(Dibang Valley)

Weather during the period

No:-44/2013-14/Tue

Dated: 17th September, 2013

- <u>Rainfall</u>: -
 - Roing NA
 - Anini 0.0 mm

Weather Forecast

- <u>**Rainfall**</u> Clear, dry and hot weather is forecasted for next 2/3 days. Thundery showers may occur at few places.
- <u>**Temperature**</u> Temperature will vary between 4-23 °C.
- <u>**Relative Humidity</u>** The RH is likely to be in the range of 44-93 %.</u>

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 should be done,
 Regularly monitor to maintain appropriate moisture level in the nursery.

Regularly	monitor to m	aintain approp	riate moisture level in the nursery.
Cauliflower/ Cabbage/ Radish	Nursery preparation	Cutworm Wilting/ Colar rot/ Damping off	 Maintain appropriate moisture level in the nursery, 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,
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	mers are advise	d to sort the fal	lse smut affected seeds from the healthy seeds before storing.
Jhum Rice	Harvest	Rat	 In view clear/partially cloudy weather for the next 2/3 days, farmers are advised to immediately harvest the crop and properly dry the grains, Wherever rat menace is there, install rat trap, 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	Maturity/ Harvest	Rat	 In view partially cloudy/clear weather, farmers are advised to immediately harvest the mature crop and properly dry the grains, Wherever rat menace is there, install rat trap,
WRC rice – Main crop (<i>Mipun</i>)	Tillering, Booting Flowering Milking stage	Gundhi bug Blast	 Collect/destroy bugs found in the field, If damage level is high, use Malathion dust 5%, 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,
Detete	Sowing		• Seed treatment is advised,
Potato	Field preparation		• Procurement of quality seeds from certified source is advised,
	T , 11		• 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,
fields in upland	d/WRC for so	wing of Pea. In	at farmers may use zero tillage technology in harvested paddy n this method without ploughing, sowing of pea may be done to
			e as organic manure. Taking into account the rainfall recorded
			be used in harvested Jhum rice field.
Maize	Field preparation	Cut worm	• Field preparation for sowing of good quality (certified) 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 advise	ed from KVK a	and ICAR that	farmers may use zero tillage technology in harvested paddy
			this method without ploughing, sowing of pea may be done to
			s organic manure.
			FRUIT CROPS
Khasi	Fruiting		• In present weather conditions farmers are advised to clean
Mandarin			the basin along with dropped fruits.
		Trunk borer,	• Cleaning of entry hole and treatment with Dichlorvos
		Ants	dipped cotton swabs is advised.
		Lichen/	• Use of light trap to attract adults is also advised.
		Mosses	• Weeding around basin,
		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 adults insects,
Banana	All stages		Removal of side suckers,
Banana	All stages		 Removal of side suckers, Basin cleaning,
Banana Guava	All stages Fruiting		Basin cleaning,
		Fruit fly	Basin cleaning,Racking of area under the basin may be done,
		Fruit fly	 Basin cleaning, Racking of area under the basin may be done,
Guava	Fruiting	,	 Basin cleaning, Racking of area under the basin may be done, Collect and destroy dropped fruits, LIVESTOCKS
Guava Farmers are ad diseases.	Fruiting	ollow the IFS m	 Basin cleaning, Racking of area under the basin may be done, Collect and destroy dropped fruits, LIVESTOCKS Indel of Pig+fish+poultry/duckery as it causes zoonotic
Guava Farmers are ad diseases. Livestock	Fruiting lvised not to fo Stage	,	 Basin cleaning, Racking of area under the basin may be done, Collect and destroy dropped fruits, LIVESTOCKS and of Pig+fish+poultry/duckery as it causes zoonotic Precautionary Practices to be followed
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Guava Farmers are ad diseases. Livestock	Fruiting lvised not to fo Stage	ollow the IFS m	 Basin cleaning, Racking of area under the basin may be done, Collect and destroy dropped fruits, LIVESTOCKS and of Pig+fish+poultry/duckery as it causes zoonotic Precautionary Practices to be followed
Guava Farmers are ad diseases. Livestock Poultry	Fruiting Ivised not to for Stage All stages	ollow the IFS m Disease	 Basin cleaning, Racking of area under the basin may be done, Collect and destroy dropped fruits, LIVESTOCKS and of Pig+fish+poultry/duckery as it causes zoonotic Precautionary Practices to be followed Vaccinate according to schedule,
Guava Farmers are ad diseases. Livestock Poultry	Fruiting Ivised not to for Stage All stages	ollow the IFS m Disease	 Basin cleaning, Racking of area under the basin may be done, Collect and destroy dropped fruits, LIVESTOCKS Indel of Pig+fish+poultry/duckery as it causes zoonotic Precautionary Practices to be followed Vaccinate according to schedule, Vaccinate against swine fever,
Guava Farmers are ad diseases. Livestock Poultry	Fruiting Ivised not to for Stage All stages	ollow the IFS m Disease	 Basin cleaning, Racking of area under the basin may be done, Collect and destroy dropped fruits, LIVESTOCKS bodel of Pig+fish+poultry/duckery as it causes zoonotic Precautionary Practices to be followed Vaccinate according to schedule, Vaccinate against swine fever, Deworming,
Guava Farmers are ad diseases. Livestock Poultry Pigs	Fruiting Fruiting Stage All stages All stages	ollow the IFS m Disease Swine fever	 Basin cleaning, Racking of area under the basin may be done, Collect and destroy dropped fruits, LIVESTOCKS Indel of Pig+fish+poultry/duckery as it causes zoonotic Precautionary Practices to be followed Vaccinate according to schedule, Vaccinate against swine fever, Deworming, Avoid scavenging,
Guava Farmers are ad diseases. Livestock Poultry Pigs	Fruiting Fruiting Stage All stages All stages	Disease Swine fever FMD/BQ	 Basin cleaning, Racking of area under the basin may be done, Collect and destroy dropped fruits, LIVESTOCKS Indel of Pig+fish+poultry/duckery as it causes zoonotic Precautionary Practices to be followed Vaccinate according to schedule, Vaccinate against swine fever, Deworming, Avoid scavenging, Vaccination, Deworming,
Guava Farmers are ad diseases. Livestock Poultry Pigs Cattle/Mithun Goat/Sheep	Fruiting Fruiting Stage All stages All stages All stages All stages All stages	Disease Swine fever FMD/BQ	 Basin cleaning, Racking of area under the basin may be done, Collect and destroy dropped fruits, LIVESTOCKS addel of Pig+fish+poultry/duckery as it causes zoonotic Precautionary Practices to be followed Vaccinate according to schedule, Vaccinate against swine fever, Deworming, Avoid scavenging, Vaccination, Deworming, Deworming, Deworming, Deworming, Deworming, Deworming, Deworming,
Guava Farmers are ad diseases. Livestock Poultry Pigs Cattle/Mithun	Fruiting Fruiting Stage All stages All stages All stages	Disease Swine fever FMD/BQ	 Basin cleaning, Racking of area under the basin may be done, Collect and destroy dropped fruits, LIVESTOCKS Indel of Pig+fish+poultry/duckery as it causes zoonotic Precautionary Practices to be followed Vaccinate according to schedule, Vaccinate against swine fever, Deworming, Avoid scavenging, Vaccination, Deworming,



ICAR Research Complex for NEH Region, Arunachal Pradesh Centre

<u>West Siang, Basar – 791 101</u>



(East Kameng)

No:-44/2013-14/Tue

Dated: 17th September, 2013

Rainfall: -

• Seppa – 18.0 mm

Weather Forecast

Weather during the period

- <u>Rainfall</u> Partial cloudy/clear weather with light rains is forecasted for next 2/3 days
 - <u>**Temperature</u>** The temperature is likely to be in the range of 9-19 °C.</u>
- <u>**Relative Humidity</u>** The RH is likely to be in the range of 51-94 %.</u>

Crop	Stage	Pest/Disease	
T	1		EGETABLE CROPS
-		•	rs are advised to prepare nursery for sowing of cruciferou
•		-	prepared. Use well decomposed cow dung/fully mature FYM
			M45 (a) 2.5 grams per kilogram seeds should be done,
U I		aintain approp	riate moisture level in the nursery.
Cauliflower/ Cabbage/ Radish	Nursery preparation	Cutworm Wilting/ Colar rot/ Damping off	 Maintain appropriate moisture level in the nursery, Attack of cut worm has been reported. Farmers are advised t manually collect and destroy the larvae during the dus hours/around the damaged seedling, Seed treatment is extremely important with appropriat 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,
Spinach	Sowing		• Sowing of certified/locally available seeds in well prepare nursery may be done,
	·		FIELD CROPS
• Far	mers are advise	d to sort the fal	se smut affected seeds from the healthy seeds before storing.
Jhum Rice	Harvest	Rat	 In view clear/partially cloudy weather for the next 2/3 days, farmers are advised to immediately harvest the crop and properly dry the grains, Wherever rat menace is there, install rat trap, 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 WRC rice – Main crop (<i>Mipun</i>)	Maturity/ Harvest Tillering, Booting Flowering Milking stage	Rat Gundhi bug Blast	 In view partially cloudy/clear weather, farmers are advised to immediately harvest the mature crop and properly dry the grains, Wherever rat menace is there, install rat trap, Collect/destroy bugs found in the field, If damage level is high, use Malathion dust 5%, Weeding is also advised, Need based spraying of Tilt @ 1 ml/litre of water may be 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 preparation Sowing	Cut worm	 Field preparation for sowing of good quality (certified) seeds. Seeds should be properly treated before sowing, Monitor for attack of cut worm in the germinated fields,
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,
fields in upland	l/WRC for so	wing of Pea. In	farmers may use zero tillage technology in harvested paddy this method without ploughing, sowing of pea may be done to s organic manure.
Khasi Mandarin	Fruiting	Trunk borer, Ants Lichen/ Mosses Fruit fly	 FRUIT CROPS In present weather conditions farmers are advised to clean the basin along with dropped fruits. Cleaning of entry hole and treatment with Dichlorvos dipped cotton swabs is advised. Use of light trap to attract adults is also advised. Weeding around basin, Farmers are advised to use <i>Jaggary</i>/Malathion traps or pheromone traps to monitor the pest population and collect and destroy the adults insects,
Banana	All stages		 Removal of side suckers, Basin cleaning,
Guava	Fruiting	Fruit fly	 Racking of area under the basin may be done, Collect and destroy dropped fruits, LIVESTOCKS
Farmers are ad	vised not to fo	llow the IFS m	odel of Pig+fish+poultry/duckery as it causes zoonotic diseases
Livestock	Stage	Disease	Precautionary Practices to be followed
Poultry	All stages		Vaccinate according to schedule,
Pigs	All stages	Swine fever	 Vaccinate against swine fever, Deworming, Avoid scavenging,
Cattle/Mithun	All stages	FMD/BQ Worm	 Vaccination, Deworming,
Fish	All stages		 Pond sides should be properly cleaned, Harvest of mature fish,

conditions or call at 03795226247/37

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ICAR Research Complex for NEH Region, Arunachal Pradesh Centre

<u>West Siang, Basar – 791 101</u>

(East Siang)

No:-44/2013-14/Tue

Dated: 17th September, 2013

Weather during the period

- Maximum temperature: 34.9 mm
- Minimum Temperature: 23.1 mm
- <u>Rainfall</u>:
 - <u>Pasighat –</u> 0.0 mm
- <u>Relative humidity (%)</u>: 69-80

Weather Forecast

• <u>**Rainfall**</u> – Clear weather is forecasted for next 2/3 days. Thundery showers may occur at few places.

- <u>**Temperature**</u> Temperature will vary between 23-33 °C.
- <u>**Relative Humidity</u>** The RH is likely to be in the range of 44-91 %.</u>

Crop	Stage	Pest/Disease	Precautionary Practices to be followed
.	7		VEGETABLE CROPS
-		-	rs are advised to prepare nursery for sowing of cruciferous
U		-	repared. Use well decomposed cow dung/fully mature FYM.
	-		M45 @ 2.5 grams per kilogram seeds should be done,
0 /		aintain approp	riate moisture level in the nursery.
Cauliflower/ Cabbage/ Radish Radish	Nursery preparation Sowing	Cutworm Wilting/ Colar rot/ Damping off	 Maintain appropriate moisture level in the nursery, 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, 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,
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
	I	d to sort the fal	se smut affected seeds from the healthy seeds before storing.
Jhum Rice	Harvest	Rat	 In view clear/partially cloudy weather for the next 2/3 days, farmers are advised to immediately harvest the crop and properly dry the grains, Wherever rat menace is there, install rat trap, 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	Maturity/ Harvest	Rat	 In view partially cloudy/clear weather, farmers are advised to immediately harvest the mature crop and properly dry the grains, Wherever rat menace is there, install rat trap,
WRC rice – Main crop (<i>Mipun</i>)	Tillering, Booting Flowering Milking stage	Gundhi bug Blast	 Collect/destroy bugs found in the field, If damage level is high, use Malathion dust 5%, Weeding is also advised, 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		• Procurement of quality seeds from certified source is advised,
	preparation		• While procuring seeds from local source examine the seeds,
Mustard	Field		• Taking advantage of the recent rains farmers are advised for
	preparation		field preparation,
T/ '11 '-	- 1 C		• Procure quality seeds. Seed treatment is highly recommended,
			farmers may use zero tillage technology in harvested paddy fields method without ploughing, sowing of pea may be done to use
			rganic manure. Taking into account the rainfall recorded during
			in harvested <i>Jhum</i> rice field.
Maize	Field	Cut worm	• Field preparation for sowing of good quality (certified) seeds,
White	preparation	edt worm	 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 advise	ed from KVK a	and ICAR that	farmers may use zero tillage technology in harvested paddy fields
			nethod without ploughing, sowing of pea may be done to use
		w of rice as org	
			FRUIT CROPS
Khasi	Fruiting		• In present weather conditions farmers are advised to clean the
Mandarin			basin along with dropped fruits.
		Trunk borer,	• Cleaning of entry hole and treatment with Dichlorvos dipped
		Ants	cotton swabs is advised.
		Lichen/	• Use of light trap to attract adults is also advised.
		Mosses	• Weeding around basin,
		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 adults insects,
Banana	All stages		• Removal of side suckers,
			Basin cleaning,
Guava	Fruiting		• Racking of area under the basin may be done,
		Fruit fly	Collect and destroy dropped fruits,
			LIVESTOCKS
Farmers are ad	vised not to fo	llow the IFS m	odel of Pig+fish+poultry/duckery as it causes zoonotic diseases.
Livestock	Stage	Disease	Precautionary Practices to be followed
Poultry	All stages		• Vaccinate according to schedule,
Pigs	All stages	Swine fever	Vaccinate against swine fever,
0-			Deworming,
			 Avoid scavenging,
Cattle/Mithun	All stages	FMD/BQ	 Vaccination,
	8	Worm	 Deworming,
Goat/Sheep	All stages		 Deworming and vaccination.
Fish	All stages		Pond sides should be properly cleaned,
	0		 Harvest of mature fish,
			1 m , ou of filment fibil,



ICAR Research Complex for NEH Region, Arunachal Pradesh Centre

West Siang, Basar – 791 101



(<u>Lohit</u>)

Weather during the period

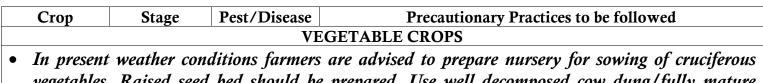
No:-44/2013-14/Tue

Dated: 17th September, 2013

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

Weather Forecast

- <u>**Rainfall**</u> Clear/partial cloudy weather forecasted with possibility of light rains on some days.
- <u>**Temperature</u>** The temperature is likely to be in the range of 8-18°C.</u>
- <u>**Relative Humidity</u>** The RH is likely to be in the range of 59-97 %.</u>



- In present weather conditions farmers are davised 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 should be done,
- Regularly monitor to maintain appropriate moisture level in the nursery.

1080000			
Cauliflower/	Nursery		• Maintain appropriate moisture level in the nursery,
Cabbage/	preparation	Cutworm	• Attack of cut worm has been reported. Farmers are advised
Radish			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	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
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
			recommended,
			at farmers may use zero tillage technology in harvested paddy
			in this method without ploughing, sowing of pea may be done
			e as organic manure. Taking into account the rainfall recorded
-			be used in harvested <i>Jhum</i> rice field.
Maize	Field	Cut worm	• Field preparation for sowing of good quality (certified)
	preparation		seeds,
	Sowing	1	• 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 <i>Jaggary</i> /Malathion traps or pheromone traps to monitor the pest population and collect and destroy the adults insects,			

LIVESTOCKS

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

Livestock	Stage	Disease		Precautionary Practices to be followed
Poultry	All stages		•	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:-44/2013-14/Tue

Weather during the period

Dated: 17th September, 2013

- <u>Rainfall</u>: -
 - 1. Ziro NA

Weather Forecast

- **<u>Rainfall</u>** Partial cloudy/clear weather with light rains is forecasted for next 2/3 days.
 - <u>**Temperature**</u> The temperature is likely to be in the range of 6-15°C.
 - **<u>Relative Humidity</u>** The RH is likely to be in the range of 54-92 %.

Crop	Stage	Pest/Disease	Precautionary Practices to be followed		
•	0	VE	GETABLE CROPS		
vegetables. 1	Raised seed be	d should be pre	are advised to prepare nursery for sowing of cruciferous epared. Use well decomposed cow dung/fully mature FYM. [45 @ 2.5 grams per kilogram seeds should be done,		
• Regularly m	onitor to main	ntain appropri	ate moisture level in the nursery.		
Cauliflower/ Cabbage/ Radish	Nursery preparation	Cutworm Wilting/ Colar rot/ Damping off	 Maintain appropriate moisture level in the nursery, 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, 		
			FIELD CROPS		
WRC rice-Early crop	Maturity/ Harvest	Rat	 In view partially cloudy/clear weather, farmers are advised to immediately harvest the mature crop and properly dry the grains, Wherever rat menage is there, install rat trap 		
WRC rice – Main crop (<i>Mipun</i>)	Tillering, Booting Flowering Milking stage	Gundhi bug Blast	 Wherever rat menace is there, install rat trap, Collect/destroy bugs found in the field, If damage level is high, use Malathion dust 5%, Weeding is also advised, Need based spraying of Tilt @ 1 ml/litre of water may be done, 		
Mustard	Field preparation		 Taking advantage of the recent rains farmers are advised for field preparation, Procure quality seeds. Seed treatment is highly recommended, 		
It is also advised from KVK and ICAR that farmers may use zero tillage technology in harvested paddy fields in upland/WRC for sowing of Pea. In this method without ploughing, sowing of pea may be done to use moisture of rice field and straw of rice as organic manure. Taking into account the rainfall recorded during last week, this technology may also be used in harvested <i>Jhum</i> rice field.					
Maize	Field preparation Sowing	Cut worm	 Field preparation for sowing of good quality (certified) seeds, Seeds should be properly treated before sowing, 		
Pea	Field preparation Sowing		 Monitor for attack of cut worm in the germinated fields, Manual collection of larvae during the evening hours may be done, (If damage level is not serious). Use of Carbaryl dust in severely damaged fields may be done, 		
	for sowing of	Pea. In this me	rmers may use zero tillage technology in harvested paddy fields thod without ploughing, sowing of pea may be done to use nic 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 <i>Jaggary</i>/Malathion traps or pheromone traps to monitor the pest population and collect and destroy the adults insects, 			
	LIVESTOCKS					
Farmers are advi	sed not to foll	ow the IFS mod	lel 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 Worm	Vaccination,Deworming,			
Goat/Sheep	All stages		Deworming and vaccination.			
Fish	All stages		 Pond sides should be properly cleaned, Harvest of mature fish, taff or KVK staff for any gueries/measures against adverse 			

• 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:-44/2013-14/Tue

Dated: 17th September, 2013

Weather during the period

- Maximum temperature: 35.5 °C
- Minimum Temperature: 22.8°C
- Relative Humidity (%):72-89
- <u>Rainfall</u>: -
 - 1. Itanagar 0.0 mm
 - 2. Naharlagun 0.0 mm

Weather Forecast

- <u>Rainfall</u> Clear, dry and hot weather with partial cloudiness and light rains on some days forecasted,
- <u>**Temperature**</u> The temperature is likely to be in the range of 22-31°C.
- <u>**Relative Humidity</u>** The RH is likely to be in the range of 48-87 %.</u>

	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 should be done,
- Regularly monitor to maintain appropriate moisture level in the nursery.

• Regularly	monnor to m	итит арргор	mule moisture level in the nursery.
Cauliflower/ Cabbage/ Radish	Nursery preparation	Cutworm Wilting/ Colar rot/ Damping off	 Maintain appropriate moisture level in the nursery, 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,
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	d to sort the fal	se smut affected seeds from the healthy seeds before storing.			
Jhum Rice	Harvest	Rat	 In view clear/partially cloudy weather for the next 2/3 days, farmers are advised to immediately harvest the crop and properly dry the grains, Wherever rat menace is there, install rat trap, 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	Maturity/ Harvest	Rat	 In view partially cloudy/clear weather, farmers are advised to immediately harvest the mature crop and properly dry the grains, Wherever rat menace is there, install rat trap, 			
WRC rice – Main crop (<i>Mipun</i>)	Tillering, Booting Flowering Milking stage	Gundhi bug Blast	 Collect/destroy bugs found in the field, If damage level is high, use Malathion dust 5%, Weeding is also advised, Need based spraying of Tilt @ 1 ml/litre of water may be done, 			
Sesame (Til)	Field preparation		• In present weather conditions farmers are advised to prepare 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,
Mustard	Field		• Taking advantage of the recent rains farmers are advised for
	preparation		field preparation,
			• Procure quality seeds. Seed treatment is highly recommended
in upland/WR moisture of ric last week, this	C for sowing e field and str technology ma	of Pea. In this raw of rice as o ay also be used	farmers may use zero tillage technology in harvested paddy field method without ploughing, sowing of pea may be done to us rganic manure. Taking into account the rainfall recorded durin in harvested <i>Jhum</i> rice field.
Maize	Field	Cut worm	• Field preparation for sowing of good quality (certified) seeds,
	preparation Sowing		• Seeds should be properly treated before sowing,
Pea	Field		• Monitor for attack of cut worm in the germinated fields,
I Ca	preparation		• Manual collection of larvae during the evening hours may be
	Sowing		done, (If damage level is not serious). Use of Carbaryl dust in
	e		severely damaged fields may be done, farmers may use zero tillage technology in harvested paddy field
			nethod without ploughing, sowing of pea may be done to use
-	•	w of rice as org	
	c ficiu aliu stra	tw of fice as of	FRUIT CROPS
Khasi	Fruiting		 In present weather conditions farmers are advised to clean the
Mandarin	Tuning		basin along with dropped fruits.
		Trunk borer,	 Cleaning of entry hole and treatment with Dichlorvos dipped
		Ants	cotton swabs is advised.
		Lichen/ Mosses Fruit fly	• Use of light trap to attract adults is also advised.
			 Weeding around basin,
			• Farmers are advised to use <i>Jaggary</i> /Malathion traps or
			pheromone traps to monitor the pest population and collect
			and destroy the adults insects,
Banana	All stages		Removal of side suckers,
	C		• Basin cleaning,
Guava	Fruiting		• Racking of area under the basin may be done,
	0	Fruit fly	 Collect and destroy dropped fruits,
		-	LIVESTOCKS
Farmers are ad	vised not to fo	ollow the IFS m	odel of Pig+fish+poultry/duckery as it causes zoonotic diseases
Livestock	Stage	Disease	Precautionary Practices to be followed
Poultry	All stages		• Vaccinate according to schedule,
Pigs	All stages	Swine fever	Vaccinate against swine fever,
-	C		• Deworming,
			• Avoid scavenging,
Cattle/Mithun	All stages	FMD/BQ	• Vaccination,
	C	Worm	• Deworming,
Goat/Sheep	All stages		Deworming and vaccination.
Fish	All stages		Pond sides should be properly cleaned,
1180	· ··· ····ges		- I one sides should be properly cleaned,
1,1211			• Harvest of mature fish,



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Integrated Agro-Meteorological Advisory Services

ICAR Research Complex for NEH Region, Arunachal Pradesh Centre

<u>West Siang, Basar – 791 101</u>



(Tawang)

Weather during the period

No:-44/2013-14/Tue

Dated: 17th September, 2013

<u>Rainfall</u>: -1. Tawang –24.0 mm

Weather Forecast

• <u>**Rainfall**</u>—Partial cloudy/clear weather with light rains is forecasted for next 2/3 days.

• <u>**Temperature</u>** - The temperature is likely to be in the range of 9-18°C.</u>

• <u>**Relative Humidity</u>** - The RH is likely to be in the range of 60-91 %.</u>

Weather Based Agro-meteorological Advisories Bulletin

Сгор	Stage	Pest/Disease	Precautionary Practices to be followed			
	FRUITS					
Apple	Harvesting	Fruit Fly	 Monitoring of fruit fly damage is also advised, Collection/deep burying (Atleast 4 feet deep) of infected fruit, If extreme damage is noticed, spraying of Malathion @ 3ml per litre of water is advised, Installation of light traps to capture adults. 			
		Trunk Borer	• Urgent/immediate treatment of affected parts of trees, GETABLE CROPS			
Cauliflower	Harvesting	Cutworm	 Monitor crop against attack of cutworm in the field, In present weather conditions, monitor the crop 			
Cabbage/ Radish		back moth	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 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.			
conditions or	call at 037952	22247 (KVK, V	ril Staff or KVK staff for measures against adverse			

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ICAR Research Complex for NEH Region, Arunachal Pradesh Centre

West Siang, Basar - 791 101



(Tirap)

No:-44/2013-14/Tue

Weather during the period

Dated: 17th September, 2013

- <u>Rainfall</u>: -
 - <u>Khonsa</u>–NA

Sowing

Deomali –25.0 mm

Weather Forecast

- Rainfall Clear weather forecasted for next 2/3 days. •
- **Temperature** The temperature is likely to be in the range of 20-34°C.
- **<u>Relative Humidity</u>** The RH is likely to be in the range of 44-91 %. ٠

Weather Based Agro-meteorological Advisories Bulletin



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 Cantan / Dithane M45 @ 25 grams ner bilogram seeds should be done

	-		M45 (a) 2.5 grams per kilogram seeds should be done,
• Regularly Cauliflower/ Cabbage/ Radish	Nursery preparation	Cutworm Wilting/ Colar rot/ Damping off	 Maintain appropriate moisture level in the nursery, 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,
Spinach	Sowing		• Sowing of certified/locally available seeds in well prepared nursery may be done,
		<u> </u>	FIELD CROPS
WRC rice	Tillering, Booting Flowering Milking stage	Gundhi bug Blast	 Collect/destroy bugs found in the field, If damage level is high, use Malathion dust 5%, Weeding is also advised, 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,
Mustard	Field preparation		 Taking advantage of the recent rains farmers are advised for field preparation, Procure quality seeds. Seed treatment is highly recommended,
fields in uplar	nd/WRC for so	owing of Pea. I	at farmers may use zero tillage technology in harvested paddy in this method without ploughing, sowing of pea may be done e as organic manure. Taking into account the rainfall recorded
			be used in harvested <i>Jhum</i> rice field.
Maize	Field preparation Sowing	Cut worm	 Field preparation for sowing of good quality (certified) seeds, Seeds should be properly treated before sowing,
Pea	Field preparation Sowing		 Monitor for attack of cut worm in the germinated fields, Manual collection of larvae during the evening hours may

be done, (If damage level is not serious). Use of Carbaryl

dust in severely damaged fields may be done,



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 <i>Jaggary</i> /Malathion traps or pheromone traps to monitor the pest population and collect and destroy the adults insects,			

LIVESTOCKS

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

Livestock	Stage	Disease		Precautionary Practices to be followed
Poultry	All stages		•	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

<u>West Siang, Basar – 791 101</u>



(Upper Siang)

No:-44/2013-14/Tue

Weather during the period

Dated: 17th September, 2013

• <u>Rainfall</u>: -

Mustard

Field

preparation

N Tuting –0.0 mm

Weather Forecast

- <u>**Rainfall**</u> Partially cloudy/clear weather is forecasted for next 2/3 day. Light rain may occur on some days,
- <u>**Temperature**</u> The temperature is likely to be in the range of 9-19 °C.
- **<u>Relative Humidity</u>** The RH is likely to be in the range of 48-92 %.

	<u></u>		o-meteorological Advisories Bulletin
Crop	Stage	Pest/Disease	Precautionary Practices to be followed
-		ditions farmer	EGETABLE CROPS is are advised to prepare nursery for sowing of cruciferous prepared. Use well decomposed cow dung/fully mature FYM.
	-		er kilogram seeds should be done, riate moisture level in the nursery.
Cauliflower/ Cabbage/ Radish	Nursery preparation	Wilting/ Colar rot/ Damping off	 In view of cool and moist weather in the coming days farmers are advised to prepare nursery, Maintain appropriate moisture level in the nursery, Seed treatment is extremely important with appropriate fungicide/insecticide, Soil drenching with Captan (@3grams/litre of water) or Bavistin (@ 2 grams per litre of water) is advised,
Radish	Sowing	Damping off	 Keeping present weather conditions in view sowing of good quality seeds should be done, Regular monitoring of crop for attack of damping off should be done,
Spinach	Sowing		 Sowing of certified/locally available seeds in well prepared nursery may be done, Periodical weeding is very important,
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
Jhum Rice	Harvest	Rat	 FIELD CROPS In view clear/partially cloudy weather for the next 2/3 days, farmers are advised to immediately harvest the crop and properly dry the grains, Wherever rat menace is there, install rat trap, 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	Maturity/ Harvest	Rat	 In view partially cloudy/clear weather, farmers are advised to immediately harvest the mature crop and properly dry the grains, Wherever rat menace is there, install rat trap,
WRC rice – Main crop (<i>Mipun</i>)	Tillering, Booting Flowering Milking stage	Gundhi bug	 Collect/destroy bugs found in the field, If damage level is high, use Malathion dust 5%, Weeding is also advised,
Sesame (Til)	Field preparation Sowing		 In present weather conditions farmers are advised to prepare field for sowing of quality seeds of sesame, Seed treatment is advised,
36.4	T 1 1		

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field preparation, Procure quality

Taking advantage of the recent rains farmers are advised for

Seed

treatment

is

highly

seeds.

	and ICAR that	~		
	wing of Pea. In	at farmers may use zero tillage technology in harvested paddy n this method without ploughing, sowing of pea may be done to e as organic manure. Taking into account the rainfall recorded		
		e used in harvested Jhum rice field.		
Field preparation Sowing Field preparation Sowing	Cut worm	 Field preparation for sowing of good quality (certified) seeds, Seeds should be properly treated before sowing, Monitor for attack of cut worm in the germinated fields, Manual collection of larvae during the evening hours may be done, (If damage level is not serious). Use of Carbaryl dust in severely damaged fields may be done, 		
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		
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 <i>Jaggary</i>/Malathion traps or pheromone traps to monitor the pest population and collect and destroy the adults insects, LIVESTOCKS 		
vised not to fol	llow the IFS m	odel of Pig+fish+poultry/duckery as it causes zoonotic diseases.		
Stage	Disease	Precautionary Practices to be followed		
All stages		Vaccinate according to schedule,		
All stages	Swine fever	 Vaccinate against swine fever, Deworming, Avoid scavenging, 		
All stages	FMD/BQ Worm	Vaccination,Deworming,		
All stages		Pond sides should be properly cleaned,Harvest of mature fish,		
	preparation Sowing Field preparation Sowing I from KVK and WRC for sow rice field and s Fruiting ised not to fol Stage All stages All stages All stages All stages All stages	preparation Sowing Field preparation Sowing Item KVK and ICAR that for the form KVK and ICAR that for the field and straw of rice as If rom KVK and ICAR that for the field and straw of rice as Item field and straw of rice as Fruiting Trunk borer, Ants Lichen/ Mosses Mosses Fruit fly ised not to follow the IFS mossion Item form form form form form form form for		

conditions or call at 03795226247/37

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



(Upper Subansiri)

No:-44/2013-14/Tue

Dated: 17th September, 2013

Weather during the period

- <u>Rainfall</u>: -
 - Daporijo- NA

Weather Forecast

- <u>Rainfall</u> Clear, dry and hot weather with partial cloudiness and light rains on some days forecasted.
- <u>**Temperature**</u> The temperature is likely to be in the range of 9-17°C.
- <u>**Relative Humidity</u>** The RH is likely to be in the range of 54-91 %.</u>

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 should be done,
- Regularly monitor to maintain appropriate moisture level in the nursery.

• <i>Regularly</i>	monitor to me	aintain approp	riate moisture level in the nursery.
Cauliflower/ Cabbage/ Radish	Nursery preparation	Cutworm Wilting/ Colar rot/ Damping off	 Maintain appropriate moisture level in the nursery, 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,
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
- Ear	mara ara advica	d to cont the fal	
Jhum Rice	Harvest	Rat	 In view clear/partially cloudy weather for the next 2/3 days, farmers are advised to immediately harvest the crop and properly dry the grains, Wherever rat menace is there, install rat trap, 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	Maturity/ Harvest	Rat	 In view partially cloudy/clear weather, farmers are advised to immediately harvest the mature crop and properly dry the grains, Wherever rat menace is there, install rat trap,
WRC rice – Main crop (<i>Mipun</i>)	Tillering, Booting Flowering Milking stage	Gundhi bug Blast	 Collect/destroy bugs found in the field, If damage level is high, use Malathion dust 5%, Weeding is also advised, 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		• Procurement of quality seeds from certified source is
	preparation		advised,
	T ' 11		• 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 seeds. Seed treatment is highly recommended,
It is also advis	sed from KVK	and ICAR the	at farmers may use zero tillage technology in harvested paddy
			this method without ploughing, sowing of pea may be done to
			as organic manure. Taking into account the rainfall recorded
			e used in harvested <i>Jhum</i> 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,
			farmers may use zero tillage technology in harvested paddy
			this method without ploughing, sowing of pea may be done to
use moisture of	f rice field and	straw of rice as	s organic manure.
			FRUIT CROPS
Khasi	Fruiting		• In present weather conditions farmers are advised to clean
Mandarin		Trunk borer, Ants	the basin along with dropped fruits.
			• Cleaning of entry hole and treatment with Dichlorvos
			dipped cotton swabs is advised.
		Lichen/ Mosses	• Use of light trap to attract adults is also advised.
		Fruit fly	• Weeding around basin,
		I full fly	• Farmers are advised to use <i>Jaggary</i> /Malathion traps or
			pheromone traps to monitor the pest population and collect
Banana	All stages		and destroy the adults insects,
Dallalla	All stages		Removal of side suckers,
Guava			Basin cleaning,
	Emiting		
Guava	Fruiting	Emit fly	• Racking of area under the basin may be done,
Guava	Fruiting	Fruit fly	• Collect and destroy dropped fruits,
			Collect and destroy dropped fruits, LIVESTOCKS
Farmers are ad			• Collect and destroy dropped fruits,
			Collect and destroy dropped fruits, LIVESTOCKS
Farmers are ad diseases.	lvised not to fo	llow the IFS m	Collect and destroy dropped fruits, LIVESTOCKS odel of Pig+fish+poultry/duckery as it causes zoonotic
Farmers are ad diseases. Livestock Poultry	lvised not to fo Stage	llow the IFS m	 Collect and destroy dropped fruits, LIVESTOCKS odel of Pig+fish+poultry/duckery as it causes zoonotic Precautionary Practices to be followed Vaccinate according to schedule,
Farmers are ad diseases. Livestock	Stage All stages	llow the IFS m Disease	 Collect and destroy dropped fruits, LIVESTOCKS odel of Pig+fish+poultry/duckery as it causes zoonotic Precautionary Practices to be followed Vaccinate according to schedule, Vaccinate against swine fever,
Farmers are ad diseases. Livestock Poultry	Stage All stages	llow the IFS m Disease	 Collect and destroy dropped fruits, LIVESTOCKS odel of Pig+fish+poultry/duckery as it causes zoonotic Precautionary Practices to be followed Vaccinate according to schedule, Vaccinate against swine fever, Deworming,
Farmers are ad diseases. Livestock Poultry Pigs	Stage All stages All stages	Ilow the IFS mo Disease Swine fever	 Collect and destroy dropped fruits, LIVESTOCKS odel of Pig+fish+poultry/duckery as it causes zoonotic Precautionary Practices to be followed Vaccinate according to schedule, Vaccinate against swine fever, Deworming, Avoid scavenging,
Farmers are ad diseases. Livestock Poultry	Stage All stages	llow the IFS m Disease	 Collect and destroy dropped fruits, LIVESTOCKS odel of Pig+fish+poultry/duckery as it causes zoonotic Precautionary Practices to be followed Vaccinate according to schedule, Vaccinate against swine fever, Deworming, Avoid scavenging, Vaccination,
Farmers are ad diseases. Livestock Poultry Pigs Cattle/Mithun	Stage All stages All stages All stages	Ilow the IFS monopole Disease Swine fever FMD/BQ	 Collect and destroy dropped fruits, LIVESTOCKS odel of Pig+fish+poultry/duckery as it causes zoonotic Precautionary Practices to be followed Vaccinate according to schedule, Vaccinate against swine fever, Deworming, Avoid scavenging, Vaccination, Deworming,
Farmers are ad diseases. Livestock Poultry Pigs Cattle/Mithun Goat/Sheep	StageAll stagesAll stagesAll stagesAll stagesAll stages	Ilow the IFS monopole Disease Swine fever FMD/BQ	 Collect and destroy dropped fruits, LIVESTOCKS odel of Pig+fish+poultry/duckery as it causes zoonotic Precautionary Practices to be followed Vaccinate according to schedule, Vaccinate against swine fever, Deworming, Avoid scavenging, Vaccination, Deworming, Deworming, Deworming, Deworming, Deworming, Deworming, Deworming,
Farmers are ad diseases. Livestock Poultry Pigs Cattle/Mithun	Stage All stages All stages All stages	Ilow the IFS monopole Disease Swine fever FMD/BQ	 Collect and destroy dropped fruits, LIVESTOCKS odel of Pig+fish+poultry/duckery as it causes zoonotic Precautionary Practices to be followed Vaccinate according to schedule, Vaccinate against swine fever, Deworming, Avoid scavenging, Vaccination, Deworming,



ICAR Research Complex for NEH Region, Arunachal Pradesh Centre

West Siang, Basar – 791 101

(West Kameng)



No:-44/2013-14/Tue

Weather during the period

Dated: 17th September, 2013

<u>Rainfall</u>: - Bomdila – 23.0 mm
 Bhalokpung –13.2 mm

Weather Forecast

• <u>Rainfall-Partial cloudy weather with possibility of light/moderate rains on some days.</u>

• <u>**Temperature</u>** - The temperature is likely to be in the range of 10-20°C.</u>

• <u>**Relative Humidity</u>** - The RH is likely to be in the range of 57-95%.</u>

Weather Based Agro-meteorological Advisories Bulletin

Crop	Stage	Pest/Disease	Precautionary Practices to be followed
	U		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,
			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		• 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 Sci	, ,	or State Ag	ril Staff or KVK staff for measures against adverse

conditions or call at 03795222247 (KVK, West Siang)

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

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

ICAR Research Complex for NEH Region, Arunachal Pradesh Centre

West Siang, Basar – 791 101



(West Siang)

No:-44/2013-14/Tue

Weather during the period

Dated: 17th September, 2013

- During the period weather was clear, dry and hot. Partial cloudiness with light showers was recorded on some days.
- Maximum temperature: 33.5°C
- Minimum Temperature: 21.5°C
- Rainfall: 2.6 mm
- Evapotranspiration: 3 mm
- Relative Humidity (%):-55-98 %
- Soil moisture (m^2/m^2) :0.28
- Prominent Wind Direction: North West (Morning hours) & South East (Afternoon)
- Average Wind Speed: 0.8 metres per second
- Average Sunshine hours : <u>5.9 hours</u>
 - (Source-Agromet Observatory, Research Farm, Gori, ICAR RC for NEH Region, AP Centre, Basar)

Weather Forecast

- <u>**Rainfall**</u> Clear, dry and hot weather is forecasted for next 2 to 3 days and thereafter partial cloudiness with light rains may occur at few places.
- <u>**Temperature**</u> Temperature will vary between 13-23 °C.
- **<u>Relative Humidity</u>** The RH is likely to be in the range of 49-91 %.

Сгор	Stage	Pest/Disease	· · · · · · · · · · · · · · · · · · ·		
VEGETABLE CROPS					
• In present weather conditions farmers are advised to prepare nursery for sowing of cruciferous					
vegetables.	vegetables. Raised seed bed should be prepared. Use well decomposed cow dung/fully mature FYM.				
Seed treats	• Seed treatment with Captan/Dithane M45 @ 2.5 grams per kilogram seeds should be done,				
• Regularly	• Regularly monitor to maintain appropriate moisture level in the nursery.				
Cauliflower/ Cabbage/ Radish	Nursery preparation	Cutworm Wilting/ Colar rot/ Damping off	 Maintain appropriate moisture level in the nursery, 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, 		
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		
• Farr	• Farmers are advised to sort the false smut affected seeds from the healthy seeds before storing.				
Jhum Rice	Harvest	Rat	 In view clear/partially cloudy weather for the next 2/3 days, farmers are advised to immediately harvest the crop and properly dry the grains, Wherever rat menace is there, install rat trap, 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-	Maturity/		• In view partially cloudy/clear weather, farmers are advised		



Early crop	Harvest	Rat		to immediately harvest the mature crop and properly dry the grains, Wherever rat menage is there, install rat trap
WRC rice –	Till anim -	Cup thi too	•	Wherever rat menace is there, install rat trap,
	Tillering,	Gundhi bug	•	Collect/destroy bugs found in the field,
Main crop	Booting		•	If damage level is high, use Malathion dust 5%,
(Mipun)	Flowering	D1a at	•	Weeding is also advised, Need have descention of T : $(1 + 1)$ (litra of super here)
	Milking stage	Blast	•	Need based spraying of Tilt @ 1 ml/litre of water may be
C (T'1)	T2'-1.1			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,
Mustard	Field		•	Taking advantage of the recent rains farmers are advised fo
	preparation			field preparation,
			•	Procure quality seeds. Seed treatment is highly recommended,
				ners may use zero tillage technology in harvested paddy field
				ethod without ploughing, sowing of pea may be done to us
				nic manure. Taking into account the rainfall recorded during
last week, this	technology ma	ay also be used i	in h	arvested Jhum rice field.
Maize	Field	Cut worm	•	Field 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 advise	ed from KVK a	and ICAR that	farn	ners may use zero tillage technology in harvested paddy fields
in upland/WR	C for sowing of	of Pea. In this n	neth	od without ploughing, sowing of pea may be done to use
		w of rice as org		
1101000010 01 110	<i>• • • • • • • • • • • • • • • • • • • </i>		,	FRUIT CROPS
Khasi	Fruiting		•	In present weather conditions farmers are advised to clean the
Mandarin	Truiting		•	basin along with dropped fruits.
Iviandarini		Trunk borer,	•	Cleaning of entry hole and treatment with Dichlorvos dipped
		Ants	•	cotton swabs is advised.
		Lichen/	•	Use of light trap to attract adults is also advised.
		Mosses		Weeding around basin,
		Fruit fly		Farmers are advised to use <i>Jaggary</i> /Malathion traps or
		I'luit ily	•	pheromone traps to monitor the pest population and collect
				and destroy the adults insects,
Banana	A 11 ata gaz			Removal of side suckers,
Dallalla	All stages		•	Basin cleaning,
Guava	Fruiting		•	Racking of area under the basin may be done,
Guava	Fluiting	Fruit fly	•	
		FIUL IIY	•	Collect and destroy dropped fruits,
				LIVESTOCKS
Farmers are ad	lvised not to fo	llow the IFS m	ode	l 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,
1 160	1 m stuges			Deworming,
				Avoid scavenging,
Cattle/Mithun	All stages	FMD/BQ	-	Vaccination,
	1 m stages	Worm		Deworming,
Rabbits	A 11 ato goo	VV UIIII	•	Keep strict vigil against coccidiosis
	All stages		•	
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 Sc	ientists (IC A P) or State Agril		,
conditions	or call at 0379	5226247/37	Sta	ff or KVK staff for any queries/measures against advers