



Integrated Agro-Meteorological Advisory Services

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 mm
- Minimum Temperature: 25.5 mm
- Rainfall:
Pasighat – 0.0 mm
- Relative humidity (%): 70-76

Weather Forecast

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

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

Weather Based Agro-meteorological Advisories Bulletin

Crop	Stage	Pest/Disease	Precautionary Practices to be followed
VEGETABLE CROPS			
<ul style="list-style-type: none"> <i>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.</i> <i>Seed treatment with Captan/Dithane M45 @ 2.5 grams per kilogram seeds (dry treatment) should be done,</i> <i>Regularly monitor to maintain appropriate moisture level in the nursery and in the crop field.</i> 			
Cauliflower/ Cabbage/ Radish	Nursery preparation	Cutworm Wilting/ Collar rot/ Damping off	<ul style="list-style-type: none"> 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	<ul style="list-style-type: none"> 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		<ul style="list-style-type: none"> Sowing of quality seeds in well prepared field may be done,
Spinach	Sowing		<ul style="list-style-type: none"> Sowing of certified/locally available seeds in well prepared nursery may be done,
Cucurbits	Harvest	Fruit fly 	<ul style="list-style-type: none"> 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			
<ul style="list-style-type: none"> Farmers are advised to sort the false smut affected seeds from the healthy seeds before storing. 			
WRC rice- Early crop	Harvest	Rat	<ul style="list-style-type: none"> Wherever rat menace is there, install rat trap,
WRC rice – Main crop (Mipun)	Flowering Milking stage	Gundhi bug Blast	<ul style="list-style-type: none"> Maintain proper moisture level in the crop field, 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		<ul style="list-style-type: none"> Procurement of quality seeds from certified source is advised, While procuring seeds from local source examine the seeds,
Mustard	Field preparation		<ul style="list-style-type: none"> 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 *Jhum* rice field.

Maize	Field preparation Sowing	Cut worm	<ul style="list-style-type: none"> 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,
Pea	Field preparation Sowing		

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

FRUIT CROPS			
<ul style="list-style-type: none"> <i>In present weather conditions farmers are advised to apply mulch to conserve the moisture,</i> 			
Khasi Mandarin	Fruiting	Trunk borer, Ants Lichen/ Mosses Fruit fly	<ul style="list-style-type: none"> 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 weevil	<ul style="list-style-type: none"> Removal of heavily infested plants and deep burial in the pits, Cleaning around the crop,
Guava	Fruiting	Fruit fly	<ul style="list-style-type: none"> Racking of area under the basin may be done, Collect and destroy dropped fruits,

LIVESTOCKS			
Farmers are advised not to follow the IFS model of Pig+fish+poultry/duckery as it causes zoonotic diseases.			
Livestock	Stage	Disease	Precautionary Practices to be followed
Poultry	All stages		<ul style="list-style-type: none"> Vaccinate according to schedule,
Pigs	All stages	Swine fever	<ul style="list-style-type: none"> Vaccinate against swine fever, Deworming, Avoid scavenging,
Cattle/Mithun	All stages	FMD/BQ Worm	<ul style="list-style-type: none"> Vaccination, Deworming,
Goat/Sheep	All stages		<ul style="list-style-type: none"> Deworming and vaccination.
Fish	All stages		<ul style="list-style-type: none"> Pond sides should be properly cleaned, Harvest of mature fish,
<ul style="list-style-type: none"> 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)

Agro Meteorological Field Unit
 ICAR, BASAR



Integrated Agro-Meteorological Advisory Services

ICAR Research Complex for NEH Region, Arunachal Pradesh Centre

West Siang, Basar – 791 101



(Lohit)

No:-45/2013-14/Fri

Dated: 20th September, 2013

Weather during the period

- Rainfall: -
 - Tezu – 0.0 mm
 - Namsai – 1.6 mm

Weather Forecast

- Rainfall – Cloudy/partial cloudy weather with light/moderate rains forecasted for next 1 or 2 days and thereafter clear weather is forecasted.
- Temperature - 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			
<ul style="list-style-type: none">• <i>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.</i>• <i>Seed treatment with Captan/Dithane M45 @ 2.5 grams per kilogram seeds (dry treatment) should be done,</i>• <i>Regularly monitor to maintain appropriate moisture level in the nursery and in the crop field.</i>			
Cauliflower/ Cabbage/ Radish	Nursery preparation	Cutworm Wilting/ Colar rot/ Damping off	<ul style="list-style-type: none">• 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	<ul style="list-style-type: none">• 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		<ul style="list-style-type: none">• Sowing of quality seeds in well prepared field may be done,
FIELD CROPS			
WRC rice	Tillering, Booting Flowering Milking stage	Gundhi bug Blast	<ul style="list-style-type: none">• 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		<ul style="list-style-type: none">• In present weather conditions farmers are advised to prepare field for sowing of quality seeds of sesame,• Seed treatment is advised,
Mustard	Field preparation		<ul style="list-style-type: none">• 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	<ul style="list-style-type: none">• Field preparation for sowing of good quality (certified) seeds,• Seeds should be properly treated before sowing,
Pea	Field preparation		<ul style="list-style-type: none">• Monitor for attack of cut worm in the germinated fields,• 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	<ul style="list-style-type: none"> 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		<ul style="list-style-type: none"> Vaccinate according to schedule,
Pigs	All stages	Swine fever	<ul style="list-style-type: none"> Vaccinate against swine fever, Deworming, Avoid scavenging,
Cattle	All stages	FMD/BQ Worm	<ul style="list-style-type: none"> Vaccination, Deworming,
Fish	All stages		<ul style="list-style-type: none"> Pond sides should be properly cleaned, Harvest of mature fish,
<ul style="list-style-type: none"> 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)

Agrometeorological Field Unit
ICAR, BASAR



Integrated Agro-Meteorological Advisory Services

ICAR Research Complex for NEH Region, Arunachal Pradesh Centre

West Siang, Basar – 791 101



(Lower Subansiri)

No:-45/2013-14/Fri

Dated: 20th September, 2013


Weather during the period

- Rainfall: -
 - Ziro – NA

Weather Forecast

- Rainfall – Partial cloudy weather with light rains is forecasted for next 2/3 days.
- Temperature - 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 %.

Weather Based Agro-meteorological Advisories Bulletin

Crop	Stage	Pest/Disease	Precautionary Practices to be followed
VEGETABLE CROPS			
<ul style="list-style-type: none"><i>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.</i><i>Seed treatment with Captan/Dithane M45 @ 2.5 grams per kilogram seeds (dry treatment) should be done,</i><i>Regularly monitor to maintain appropriate moisture level in the nursery and in the crop field.</i>			
Cauliflower/ Cabbage/ Radish	Nursery preparation	Cutworm Wilting/ Collar rot/ Damping off	<ul style="list-style-type: none">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	<ul style="list-style-type: none">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		<ul style="list-style-type: none">Sowing of certified/locally available seeds in well prepared nursery may be done,
Cucurbits	Harvest	Fruit fly 	<ul style="list-style-type: none">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			
<ul style="list-style-type: none">Farmers are advised to sort the false smut affected seeds from the healthy seeds before storing.			
WRC rice- Early crop	Harvest	Rat	<ul style="list-style-type: none">Wherever rat menace is there, install rat trap,
WRC rice – Main crop (Mipun)	Flowering Milking stage	Gundhi bug Blast	<ul style="list-style-type: none">Maintain proper moisture level in the crop field,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,
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 preparation Sowing	Cut worm	<ul style="list-style-type: none">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
Pea	Field preparation		

	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			
<ul style="list-style-type: none"> <i>In present weather conditions farmers are advised to apply mulch to conserve the moisture,</i> 			
Khasi Mandarin	Fruiting	Trunk borer, Ants Lichen/ Mosses Fruit fly	<ul style="list-style-type: none"> 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,
LIVESTOCKS			
Farmers are advised not to follow the IFS model of Pig+fish+poultry/duckery as it causes zoonotic diseases.			
Livestock	Stage	Disease	Precautionary Practices to be followed
Poultry	All stages		<ul style="list-style-type: none"> Vaccinate according to schedule,
Pigs	All stages	Swine fever	<ul style="list-style-type: none"> Vaccinate against swine fever, Deworming, Avoid scavenging,
Cattle/Mithun	All stages	FMD/BQ Worm	<ul style="list-style-type: none"> Vaccination, Deworming,
Goat/Sheep	All stages		<ul style="list-style-type: none"> Deworming and vaccination.
Fish	All stages		<ul style="list-style-type: none"> Pond sides should be properly cleaned, Harvest of mature fish,
<ul style="list-style-type: none"> 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)

Agrometeorological Field Unit
ICAR, BASAR



Integrated Agro-Meteorological Advisory Services

ICAR Research Complex for NEH Region, Arunachal Pradesh Centre

West Siang, Basar – 791 101



(Papum Pare)

No:-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: -
 1. Itanagar – 1.0 mm
 2. Naharlagun – 2.6 mm

Weather Forecast

- Rainfall –Partial cloudiness weather with light rains at few places is forecasted for next 2/3 days.
- Temperature - 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			
<ul style="list-style-type: none">• <i>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.</i>• <i>Seed treatment with Captan/Dithane M45 @ 2.5 grams per kilogram seeds (dry treatment) should be done,</i>• <i>Regularly monitor to maintain appropriate moisture level in the nursery and in the crop field.</i>			
Cauliflower/ Cabbage/ Radish	Nursery preparation	Cutworm Wilting/ Colar rot/ Damping off	<ul style="list-style-type: none">• 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	<ul style="list-style-type: none">• 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		<ul style="list-style-type: none">• Sowing of quality seeds in well prepared field may be done,
Spinach	Sowing		<ul style="list-style-type: none">• Sowing of certified/locally available seeds in well prepared nursery may be done,
Cucurbits	Harvest	Fruit fly 	<ul style="list-style-type: none">• 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			
<ul style="list-style-type: none">• Farmers are advised to sort the false smut affected seeds from the healthy seeds before storing.			
WRC rice- Early crop	Harvest	Rat	<ul style="list-style-type: none">• Wherever rat menace is there, install rat trap,
WRC rice – Main crop (Mipun)	Flowering Milking stage	Gundhi bug Blast	<ul style="list-style-type: none">• Maintain proper moisture level in the crop field,• 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		<ul style="list-style-type: none">• Procurement of quality seeds from certified source is advised,• While procuring seeds from local source examine the seeds,

Mustard	Field preparation		<ul style="list-style-type: none">• 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	<ul style="list-style-type: none">• 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,
Pea	Field preparation Sowing		
It is also advised from KVK and ICAR that farmers may use zero tillage technology in harvested paddy fields in upland/WRC for sowing of Pea. In this method without ploughing, sowing of pea may be done to use moisture of rice field and straw of rice as organic manure.			
FRUIT CROPS			
<ul style="list-style-type: none">• <i>In present weather conditions farmers are advised to apply mulch to conserve the moisture,</i>			
Khasi Mandarin	Fruiting	Trunk borer, Ants Lichen/ Mosses Fruit fly	<ul style="list-style-type: none">• 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 weevil	<ul style="list-style-type: none">• Removal of heavily infested plants and deep burial in the pits,• Cleaning around the crop,
Guava	Fruiting	Fruit fly	<ul style="list-style-type: none">• Racking of area under the basin may be done,• Collect and destroy dropped fruits,
LIVESTOCKS			
Farmers are advised not to follow the IFS model of Pig+fish+poultry/duckery as it causes zoonotic diseases.			
Livestock	Stage	Disease	Precautionary Practices to be followed
Poultry	All stages		<ul style="list-style-type: none">• Vaccinate according to schedule,
Pigs	All stages	Swine fever	<ul style="list-style-type: none">• Vaccinate against swine fever,• Deworming,• Avoid scavenging,
Cattle/Mithun	All stages	FMD/BQ Worm	<ul style="list-style-type: none">• Vaccination,• Deworming,
Goat/Sheep	All stages		<ul style="list-style-type: none">• Deworming and vaccination.
Fish	All stages		<ul style="list-style-type: none">• Pond sides should be properly cleaned,• Harvest of mature fish,
<ul style="list-style-type: none">• Contact Scientists (ICAR) or State Agril Staff or KVK staff for any queries/measures against adverse conditions or call at 03795226247/37			



Integrated Agro-Meteorological Advisory Services

ICAR Research Complex for NEH Region, Arunachal Pradesh Centre

West Siang, Basar – 791 101



(Tawang)

No:-45/2013-14/Fri

Dated: 20th September, 2013

Weather during the period

- 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	<ul style="list-style-type: none">• 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,
VEGETABLE CROPS			
Cauliflower / Cabbage/ Radish	Harvesting	Cutworm Diamond back moth	<ul style="list-style-type: none">• 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		<ul style="list-style-type: none">• Harvest,
Mustard (leafy vegetables)	Sowing		<ul style="list-style-type: none">• Sowing of good quality seeds for leafy vegetable purpose may be done,
LIVESTOCKS			
Livestock	Stage	Disease	Precautionary Practices to be followed
Poultry	All stages		<ul style="list-style-type: none">• Provide adequate amount of potable water• Vaccinate according to schedule,
Cattle	All stages	FMD BQ Deworming	<ul style="list-style-type: none">• Vaccinate as per schedule,• Deworming with Briben Plus is advised,
Goat/Sheep	All stages		<ul style="list-style-type: none">• 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)

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)

Agrometeorological Field Unit
ICAR, BASAR



Integrated Agro-Meteorological Advisory Services

ICAR Research Complex for NEH Region, Arunachal Pradesh Centre

West Siang, Basar – 791 101



(Tirap)

No:-45/2013-14/Fri

Dated: 20th September, 2013

Weather during the period

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

Weather Forecast

- Rainfall – Cloudy/partially cloudy weather with light rains in few places forecasted for next 1or 2 days and thereafter clear weather is forecasted.
- Temperature - 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
VEGETABLE CROPS			
<ul style="list-style-type: none">• <i>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.</i>• <i>Seed treatment with Captan/Dithane M45 @ 2.5 grams per kilogram seeds (dry treatment) should be done,</i>• <i>Regularly monitor to maintain appropriate moisture level in the nursery and in the crop field.</i>			
Cauliflower/ Cabbage/ Radish	Nursery preparation	Cutworm Wilting/ Colar rot/ Damping off	<ul style="list-style-type: none">• 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	<ul style="list-style-type: none">• 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		<ul style="list-style-type: none">• Sowing of quality seeds in well prepared field may be done,
FIELD CROPS			
WRC rice	Tillering, Booting Flowering Milking stage	Gundhi bug Blast	<ul style="list-style-type: none">• 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		<ul style="list-style-type: none">• In present weather conditions farmers are advised to prepare field for sowing of quality seeds of sesame,• Seed treatment is advised,
Mustard	Field preparation		<ul style="list-style-type: none">• 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	<ul style="list-style-type: none">• Field preparation for sowing of good quality (certified) seeds,• Seeds should be properly treated before sowing,
Pea	Field preparation		<ul style="list-style-type: none">• Monitor for attack of cut worm in the germinated fields,• 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	<ul style="list-style-type: none"> 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		<ul style="list-style-type: none"> Vaccinate according to schedule,
Pigs	All stages	Swine fever	<ul style="list-style-type: none"> Vaccinate against swine fever, Deworming, Avoid scavenging,
Cattle	All stages	FMD/BQ Worm	<ul style="list-style-type: none"> Vaccination, Deworming,
Fish	All stages		<ul style="list-style-type: none"> Pond sides should be properly cleaned, Harvest of mature fish,
<ul style="list-style-type: none"> 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)

Agrometeorological Field Unit
ICAR, BASAR



Integrated Agro-Meteorological Advisory Services

ICAR Research Complex for NEH Region, Arunachal Pradesh Centre

West Siang, Basar – 791 101



(Upper Siang)

No:-45/2013-14/Fri

Dated: 20th September, 2013


Weather during the period

- Rainfall: -
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.
- Temperature - 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
VEGETABLE CROPS			
<ul style="list-style-type: none"> • <i>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.</i> • <i>Seed treatment with Captan/Dithane M45 @ 2.5 grams per kilogram seeds (dry treatment) should be done,</i> • <i>Regularly monitor to maintain appropriate moisture level in the nursery and in the crop field.</i> 			
Cauliflower/ Cabbage/ Radish	Nursery preparation	Cutworm Wilting/ Colar rot/ Damping off	<ul style="list-style-type: none"> • 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	<ul style="list-style-type: none"> • 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		<ul style="list-style-type: none"> • Sowing of quality seeds in well prepared field may be done,
Spinach	Sowing		<ul style="list-style-type: none"> • Sowing of certified/locally available seeds in well prepared nursery may be done,
Cucurbits	Harvest	Fruit fly 	<ul style="list-style-type: none"> • 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			
N Farmers are advised to sort the false smut affected seeds from the healthy seeds before storing.			
Jhum Rice	Harvest	Rat	<ul style="list-style-type: none"> • Wherever rat menace is there, install rat trap, • <i>Herein, farmers are advised not to kill snakes as far as possible, as they are the main biological agent which check rodent population,</i>
WRC rice- Early crop	Harvest	Rat	<ul style="list-style-type: none"> • Wherever rat menace is there, install rat trap,
WRC rice – Main crop (Mipun)	Flowering Milking stage	Gundhi bug Blast	<ul style="list-style-type: none"> • Maintain proper moisture level in the crop field, • 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		<ul style="list-style-type: none"> • In present weather conditions farmers are advised to prepare field for sowing of quality seeds of sesame, • Seed treatment is advised,

Potato	Field preparation		<ul style="list-style-type: none"> 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	<ul style="list-style-type: none"> 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		<ul style="list-style-type: none"> 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 *Jhum* rice field.

Maize	Field preparation Sowing	Cut worm	<ul style="list-style-type: none"> 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,
Pea	Field preparation Sowing		

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

FRUIT CROPS

<ul style="list-style-type: none"> <i>In present weather conditions farmers are advised to apply mulch to conserve the moisture,</i> 			
Khasi Mandarin	Fruiting	Trunk borer, Ants Lichen/ Mosses Fruit fly	<ul style="list-style-type: none"> 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,

LIVESTOCKS

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

Livestock	Stage	Disease	Precautionary Practices to be followed
Poultry	All stages		<ul style="list-style-type: none"> Vaccinate according to schedule,
Pigs	All stages	Swine fever	<ul style="list-style-type: none"> Vaccinate against swine fever, Deworming, Avoid scavenging,
Cattle/Mithun	All stages	FMD/BQ Worm	<ul style="list-style-type: none"> Vaccination, Deworming,
Goat/Sheep	All stages		<ul style="list-style-type: none"> Deworming and vaccination.
Fish	All stages		<ul style="list-style-type: none"> 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)

Agro Meteorological Field Unit
 ICAR, BASAR



Integrated Agro-Meteorological Advisory Services

ICAR Research Complex for NEH Region, Arunachal Pradesh Centre

West Siang, Basar – 791 101



(Upper Subansiri)

No:-45/2013-14/Fri

Dated: 20th September, 2013

Weather during the period


- Rainfall: -
 - Daporijo- 0.0 mm

Weather Forecast

AS PER THE IMD REPORT ON STANDARD PRECIPITATION INDEX VALUE, THE DISTRICT WAS FOUND DRY, FARMERS ARE ADVISED TO GO FOR PROTECTIVE IRRIGATION 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.
• <u>Relative Humidity</u> - 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
VEGETABLE CROPS			
<ul style="list-style-type: none"> • <i>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.</i> • <i>Seed treatment with Captan/Dithane M45 @ 2.5 grams per kilogram seeds (dry treatment) should be done,</i> • <i>Regularly monitor to maintain appropriate moisture level in the nursery and in the crop field.</i> 			
Cauliflower/ Cabbage/ Radish	Nursery preparation	Cutworm Wilting/ Colar rot/ Damping off	<ul style="list-style-type: none"> • 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	<ul style="list-style-type: none"> • 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		<ul style="list-style-type: none"> • Sowing of quality seeds in well prepared field may be done,
Spinach	Sowing		<ul style="list-style-type: none"> • Sowing of certified/locally available seeds in well prepared nursery may be done,
Cucurbits	Harvest	Fruit fly 	<ul style="list-style-type: none"> • 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			
<ul style="list-style-type: none"> • Farmers are advised to sort the false smut affected seeds from the healthy seeds before storing. 			
Jhum Rice	Harvest	Rat	<ul style="list-style-type: none"> • Wherever rat menace is there, install rat trap, • <i>Herein, farmers are advised not to kill snakes as far as possible, as they are the main biological agent which check rodent population,</i>
WRC rice- Early crop	Harvest	Rat	<ul style="list-style-type: none"> • Wherever rat menace is there, install rat trap,
WRC rice – Main crop (Mipun)	Flowering Milking stage	Gundhi bug Blast	<ul style="list-style-type: none"> • Maintain proper moisture level in the crop field, • 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		<ul style="list-style-type: none"> In present weather conditions farmers are advised to prepare field for sowing of quality seeds of sesame, Seed treatment is advised,
Potato	Field preparation		<ul style="list-style-type: none"> 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	<ul style="list-style-type: none"> 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		<ul style="list-style-type: none"> 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 *Jhum* rice field.

Maize	Field preparation Sowing	Cut worm	<ul style="list-style-type: none"> 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,
Pea	Field preparation Sowing		

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

FRUIT CROPS			
<ul style="list-style-type: none"> <i>In present weather conditions farmers are advised to apply mulch to conserve the moisture,</i> 			
Khasi Mandarin	Fruiting	Trunk borer, Ants Lichen/ Mosses Fruit fly	<ul style="list-style-type: none"> 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 weevil	<ul style="list-style-type: none"> Removal of heavily infested plants and deep burial in the pits, Cleaning around the crop,
Guava	Fruiting	Fruit fly	<ul style="list-style-type: none"> Racking of area under the basin may be done, Collect and destroy dropped fruits,

LIVESTOCKS			
Farmers are advised not to follow the IFS model of Pig+fish+poultry/duckery as it causes zoonotic diseases.			
Livestock	Stage	Disease	Precautionary Practices to be followed
Poultry	All stages		<ul style="list-style-type: none"> Vaccinate according to schedule,
Pigs	All stages	Swine fever	<ul style="list-style-type: none"> Vaccinate against swine fever, Deworming, Avoid scavenging,
Cattle/Mithun	All stages	FMD/BQ Worm	<ul style="list-style-type: none"> Vaccination, Deworming,
Goat/Sheep	All stages		<ul style="list-style-type: none"> Deworming and vaccination.
Fish	All stages		<ul style="list-style-type: none"> Pond sides should be properly cleaned, Harvest of mature fish,
<ul style="list-style-type: none"> Contact Scientists (ICAR) or State Agril Staff or KVK staff for any queries/measures against adverse conditions or call at 03795226247/37 			



Integrated Agro-Meteorological Advisory Services

ICAR Research Complex for NEH Region, Arunachal Pradesh Centre

West Siang, Basar – 791 101



(West Kameng)

No:-45/2013-14/Fri

Dated: 20th September, 2013

Weather during the period

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

Weather Forecast

• <u>Rainfall</u> -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.
• <u>Relative Humidity</u> - The RH is likely to be in the range of 64-97 %.

Weather Based Agro-meteorological Advisories Bulletin

Crop	Stage	Pest/Disease	Precautionary Practices to be followed
FRUITS			
Apple	Harvesting	Fruit Fly	<ul style="list-style-type: none">• 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	<ul style="list-style-type: none">• Urgent/immediate treatment of affected parts of trees,
VEGETABLE CROPS			
Cauliflower / Cabbage/ Radish	Harvesting	Cutworm	<ul style="list-style-type: none">• Monitor crop against attack of cutworm in the field,
		Diamond back moth	<ul style="list-style-type: none">• 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		<ul style="list-style-type: none">• Harvest,
Mustard (leafy vegetables)	Sowing		<ul style="list-style-type: none">• Sowing of good quality seeds for leafy vegetable purpose may be done,
LIVESTOCKS			
Livestock	Stage	Disease	Precautionary Practices to be followed
Poultry	All stages		<ul style="list-style-type: none">• Provide adequate amount of potable water• Vaccinate according to schedule,
Cattle	All stages	FMD BQ Deworming	<ul style="list-style-type: none">• Vaccinate as per schedule,• Deworming with Briben Plus is advised,
Goat/Sheep	All stages		<ul style="list-style-type: none">• 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)

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)

Agrometeorological Field Unit
ICAR, BASAR



Integrated Agro-Meteorological Advisory Services

ICAR Research Complex for NEH Region, Arunachal Pradesh Centre

West Siang, Basar – 791 101



(West Siang)

No:-45/2013-14/Fri

Dated: 20th September, 2013

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
- Evapotranspiration: - 3.1 mm
- Relative Humidity (%):-60-96 %
- Soil moisture (m²/ m²):0.25
- Prominent Wind Direction: North West (Morning hours) & South East (Afternoon)
- Average Wind Speed: 0.5 metres per second
- 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. |
| • <u>Relative Humidity</u> - The RH is likely to be in the range of 53-94 %. |

Weather Based Agro-meteorological Advisories Bulletin

Crop	Stage	Pest/Disease	Precautionary Practices to be followed
VEGETABLE CROPS			
<ul style="list-style-type: none">• <i>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.</i>• <i>Seed treatment with Captan / Dithane M45 @ 2.5 grams per kilogram seeds (dry treatment) should be done,</i>• <i>Regularly monitor to maintain appropriate moisture level in the nursery and in the crop field.</i>			
Cauliflower/ Cabbage/ Radish	Nursery preparation	Cutworm Wilting/ Colar rot/ Damping off	<ul style="list-style-type: none">• 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	<ul style="list-style-type: none">• 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		<ul style="list-style-type: none">• Sowing of quality seeds in well prepared field may be done,
Spinach	Sowing		<ul style="list-style-type: none">• Sowing of certified/locally available seeds in well prepared nursery may be done,
Cucurbits	Harvest	Fruit fly 	<ul style="list-style-type: none">• 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	Rat	<ul style="list-style-type: none">• Wherever rat menace is there, install rat trap,• <i>Herein, farmers are advised not to kill snakes as far as possible, as they are the main biological agent which check rodent population,</i>
WRC rice- Early crop	Harvest	Rat	<ul style="list-style-type: none">• Wherever rat menace is there, install rat trap,

WRC rice – Main crop (<i>Mipun</i>)	Flowering Milking stage	Gundhi bug Blast	<ul style="list-style-type: none"> Maintain proper moisture level in the crop field, 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		<ul style="list-style-type: none"> In present weather conditions farmers are advised to prepare field for sowing of quality seeds of sesame, Seed treatment is advised,
Potato	Field preparation		<ul style="list-style-type: none"> 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	<ul style="list-style-type: none"> 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		<ul style="list-style-type: none"> 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 *Jhum* rice field.

Maize	Field preparation Sowing	Cut worm	<ul style="list-style-type: none"> 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,
Pea	Field preparation Sowing		

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

FRUIT CROPS

<ul style="list-style-type: none"> <i>In present weather conditions farmers are advised to apply mulch to conserve the moisture,</i> 			
Khasi Mandarin	Fruiting	Trunk borer, Ants Lichen/ Mosses Fruit fly	<ul style="list-style-type: none"> 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		<ul style="list-style-type: none"> Removal of heavily infested plants and deep burial in the pits, Cleaning around the crop,
Guava	Fruiting	Fruit fly	<ul style="list-style-type: none"> Racking of area under the basin may be done, Collect and destroy dropped fruits,

LIVESTOCKS

Farmers are advised not to follow the IFS model of Pig+fish+poultry/duckery as it causes zoonotic diseases.			
Livestock	Stage	Disease	Precautionary Practices to be followed
Poultry	All stages		<ul style="list-style-type: none"> Vaccinate according to schedule,
Pigs	All stages	Swine fever	<ul style="list-style-type: none"> Vaccinate against swine fever, Deworming, Avoid scavenging,
Cattle/Mithun	All stages	FMD/BQ Worm	<ul style="list-style-type: none"> Vaccination, Deworming,
Rabbits	All stages		<ul style="list-style-type: none"> Keep strict vigil against coccidiosis
Dog	All stages		<ul style="list-style-type: none"> Vaccinate against rabies,
Goat/Sheep	All stages		<ul style="list-style-type: none"> Deworming and vaccination.
Fish	All stages		<ul style="list-style-type: none"> Pond sides should be properly cleaned, Harvest of mature fish,
<ul style="list-style-type: none"> Contact Scientists (ICAR) or State Agril Staff or KVK staff for any queries/measures against adverse conditions or call at 03795226247/37 			



Integrated Agro-Meteorological Advisory Services

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 1or 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
VEGETABLE CROPS			
<ul style="list-style-type: none"> • <i>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.</i> • <i>Seed treatment with Captan/Dithane M45 @ 2.5 grams per kilogram seeds (dry treatment) should be done,</i> • <i>Regularly monitor to maintain appropriate moisture level in the nursery and in the crop field.</i> 			
Cauliflower/ Cabbage/ Radish	Nursery preparation	Cutworm Wilting/ Colar rot/ Damping off	<ul style="list-style-type: none"> • 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	<ul style="list-style-type: none"> • 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		<ul style="list-style-type: none"> • Sowing of quality seeds in well prepared field may be done,
FIELD CROPS			
WRC rice	Tillering, Booting Flowering Milking stage	Gundhi bug Blast	<ul style="list-style-type: none"> • 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		<ul style="list-style-type: none"> • In present weather conditions farmers are advised to prepare field for sowing of quality seeds of sesame, • Seed treatment is advised,
Mustard	Field preparation		<ul style="list-style-type: none"> • 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	<ul style="list-style-type: none"> • 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		<ul style="list-style-type: none">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	<ul style="list-style-type: none">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		<ul style="list-style-type: none">Vaccinate according to schedule,
Pigs	All stages	Swine fever	<ul style="list-style-type: none">Vaccinate against swine fever,Deworming,Avoid scavenging,
Cattle	All stages	FMD/BQ Worm	<ul style="list-style-type: none">Vaccination,Deworming,
Fish	All stages		<ul style="list-style-type: none">Pond sides should be properly cleaned,Harvest of mature fish,
<ul style="list-style-type: none">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)

Agrometeorological Field Unit
ICAR, BASAR



Integrated Agro-Meteorological Advisory Services

ICAR Research Complex for NEH Region, Arunachal Pradesh Centre

West Siang, Basar – 791 101



(Dibang Valley)

No:-45/2013-14/Fri

Dated: 20th September, 2013


Weather during the period

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

Weather Forecast

• Rainfall – Partially cloudy weather with light rains/thundershowers forecasted for next 2/3 days and thereafter clear weather forecasted,
• Temperature – 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

Crop	Stage	Pest/Disease	Precautionary Practices to be followed
VEGETABLE CROPS			
<ul style="list-style-type: none"> • <i>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.</i> • <i>Seed treatment with Captan/Dithane M45 @ 2.5 grams per kilogram seeds (dry treatment) should be done,</i> • <i>Regularly monitor to maintain appropriate moisture level in the nursery and in the crop field.</i> 			
Cauliflower/ Cabbage/ Radish	Nursery preparation	Cutworm Wilting/ Colar rot/ Damping off	<ul style="list-style-type: none"> • 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	<ul style="list-style-type: none"> • 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		<ul style="list-style-type: none"> • Sowing of quality seeds in well prepared field may be done,
Spinach	Sowing		<ul style="list-style-type: none"> • Sowing of certified/locally available seeds in well prepared nursery may be done,
Cucurbits	Harvest	Fruit fly 	<ul style="list-style-type: none"> • 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			
<ul style="list-style-type: none"> • Farmers are advised to sort the false smut affected seeds from the healthy seeds before storing. 			
Jhum Rice	Harvest	Rat	<ul style="list-style-type: none"> • Wherever rat menace is there, install rat trap, • <i>Herein, farmers are advised not to kill snakes as far as possible, as they are the main biological agent which check rodent population,</i>
WRC rice- Early crop	Harvest	Rat	<ul style="list-style-type: none"> • Wherever rat menace is there, install rat trap,
WRC rice – Main crop (Mipun)	Flowering Milking stage	Gundhi bug Blast	<ul style="list-style-type: none"> • Maintain proper moisture level in the crop field, • 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		<ul style="list-style-type: none"> • In present weather conditions farmers are advised to prepare field for sowing of quality seeds of sesame,

	Sowing		<ul style="list-style-type: none">Seed treatment is advised,
Turmeric and ginger	Growing	Soft rot, Shoot borer	<ul style="list-style-type: none">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		<ul style="list-style-type: none">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	<ul style="list-style-type: none">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,
Pea	Field preparation Sowing		
It is also advised from KVK and ICAR that farmers may use zero tillage technology in harvested paddy fields in upland/WRC for sowing of Pea. In this method without ploughing, sowing of pea may be done to use moisture of rice field and straw of rice as organic manure.			
FRUIT CROPS			
<ul style="list-style-type: none"><i>In present weather conditions farmers are advised to apply mulch to conserve the moisture,</i>			
Khasi Mandarin	Fruiting	Trunk borer, Ants Lichen/ Mosses Fruit fly	<ul style="list-style-type: none">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 weevil	<ul style="list-style-type: none">Removal of heavily infested plants and deep burial in the pits,Cleaning around the crop,
Guava	Fruiting	Fruit fly	<ul style="list-style-type: none">Racking of area under the basin may be done,Collect and destroy dropped fruits,
LIVESTOCKS			
Farmers are advised not to follow the IFS model of Pig+fish+poultry/duckery as it causes zoonotic diseases.			
Livestock	Stage	Disease	Precautionary Practices to be followed
Poultry	All stages		<ul style="list-style-type: none">Vaccinate according to schedule,
Pigs	All stages	Swine fever	<ul style="list-style-type: none">Vaccinate against swine fever,Deworming,Avoid scavenging,
Cattle/Mithun	All stages	FMD/BQ Worm	<ul style="list-style-type: none">Vaccination,Deworming,
Goat/Sheep	All stages		<ul style="list-style-type: none">Deworming and vaccination.
Fish	All stages		<ul style="list-style-type: none">Pond sides should be properly cleaned,Harvest of mature fish,
<ul style="list-style-type: none">Contact Scientists (ICAR) or State Agril Staff or KVK staff for any queries/measures against adverse conditions or call at 03795226247/37			



Integrated Agro-Meteorological Advisory Services

ICAR Research Complex for NEH Region, Arunachal Pradesh Centre

West Siang, Basar – 791 101



(East Kameng)

No:-45/2013-14/Fri

Dated: 20th September, 2013

Weather during the period


Rainfall: -

- Seppa – 37.0 mm

Weather Forecast

• <u>Rainfall</u> – Partial cloudy weather with light/moderate rains forecasted for next 2/3 days
• <u>Temperature</u> - The temperature is likely to be in the range of 8-18 °C.
• <u>Relative Humidity</u> - The RH is likely to be in the range of 56-97 %.

Weather Based Agro-meteorological Advisories Bulletin

Crop	Stage	Pest/Disease	Precautionary Practices to be followed
VEGETABLE CROPS			
<ul style="list-style-type: none">• <i>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.</i>• <i>Seed treatment with Captan/Dithane M45 @ 2.5 grams per kilogram seeds (dry treatment) should be done,</i>• <i>Regularly monitor to maintain appropriate moisture level in the nursery and in the crop field.</i>			
Cauliflower/ Cabbage/ Radish	Nursery preparation	Cutworm Wilting/ Colar rot/ Damping off	<ul style="list-style-type: none">• 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	<ul style="list-style-type: none">• 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		<ul style="list-style-type: none">• Sowing of quality seeds in well prepared field may be done,
Spinach	Sowing		<ul style="list-style-type: none">• Sowing of certified/locally available seeds in well prepared nursery may be done,
Cucurbits	Harvest	Fruit fly 	<ul style="list-style-type: none">• 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			
<ul style="list-style-type: none">• Farmers are advised to sort the false smut affected seeds from the healthy seeds before storing.			
WRC rice- Early crop	Harvest	Rat	<ul style="list-style-type: none">• Wherever rat menace is there, install rat trap,
WRC rice – Main crop (Mipun)	Flowering Milking stage	Gundhi bug Blast	<ul style="list-style-type: none">• Maintain proper moisture level in the crop field,• 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		<ul style="list-style-type: none">• Procurement of quality seeds from certified source is advised,• While procuring seeds from local source examine the seeds,
Mustard	Field preparation		<ul style="list-style-type: none">• 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	<ul style="list-style-type: none">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,
Pea	Field preparation Sowing		
It is also advised from KVK and ICAR that farmers may use zero tillage technology in harvested paddy fields in upland/WRC for sowing of Pea. In this method without ploughing, sowing of pea may be done to use moisture of rice field and straw of rice as organic manure.			
FRUIT CROPS			
<ul style="list-style-type: none"><i>In present weather conditions farmers are advised to apply mulch to conserve the moisture,</i>			
Khasi Mandarin	Fruiting	Trunk borer, Ants Lichen/ Mosses Fruit fly	<ul style="list-style-type: none">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 weevil	<ul style="list-style-type: none">Removal of heavily infested plants and deep burial in the pits,Cleaning around the crop,
Guava	Fruiting	Fruit fly	<ul style="list-style-type: none">Racking of area under the basin may be done,Collect and destroy dropped fruits,
LIVESTOCKS			
Farmers are advised not to follow the IFS model of Pig+fish+poultry/duckery as it causes zoonotic diseases.			
Livestock	Stage	Disease	Precautionary Practices to be followed
Poultry	All stages		<ul style="list-style-type: none">Vaccinate according to schedule,
Pigs	All stages	Swine fever	<ul style="list-style-type: none">Vaccinate against swine fever,Deworming,Avoid scavenging,
Cattle/Mithun	All stages	FMD/BQ Worm	<ul style="list-style-type: none">Vaccination,Deworming,
Goat/Sheep	All stages		<ul style="list-style-type: none">Deworming and vaccination.
Fish	All stages		<ul style="list-style-type: none">Pond sides should be properly cleaned,Harvest of mature fish,
<ul style="list-style-type: none">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)			
			Agrometeorological Field Unit ICAR, BASAR