



Integrated Agro-Meteorological Advisory Services

ICAR Research Complex for NEH Region, Arunachal Pradesh Centre

West Siang, Basar – 791 101



(Changlang)

No:-53/2013-14/Fri

Dated: 18th October, 2013


Weather during the period

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

Weather Forecast

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

Weather Based Agro-meteorological Advisories Bulletin

Crop	Stage	Pest/Disease	Precautionary Practices to be followed
VEGETABLE CROPS			
Cauliflower/ Cabbage/ Radish	Transplanting /Vegetative	Leaf eating caterpillars Wilting/ Colar rot/ Damping off	<ul style="list-style-type: none">• In present weather conditions attack of leaf eating caterpillars/ cut worm has been reported from different locations. Farmers are advised to manually collect and destroy the larvae.• If attack is severe spraying of Imidacloprid 17SL @ 1/2 ml per litre of water is advised,• If symptoms of wilting etc are observed, soil drenching with Captan (@ 3grams/litre of water or Bavistin (@ 2 grams per litre of water) is advised,
Radish	Vegetative		<ul style="list-style-type: none">• Thinning of crop may be done to maintain proper plant count,
Carrot	Vegetative		<ul style="list-style-type: none">• Sowing of quality seeds in well prepared field may be done,• Light interculture operations should be done,
Spinach	Sowing/ Vegetative		<ul style="list-style-type: none">• Sowing of certified/locally available seeds in well prepared nursery may be done,• Light interculture operations should be done,
FIELD CROPS			
WRC rice – Main crop (Mipun)	Grain filling / Ripening	Gundhi bug 	<ul style="list-style-type: none">• As the crop is in grain filling stage, ensure to maintain proper moisture level in the field.• In present weather conditions large scale attack of Gundhi bug has been reported from rice field. If damage level is high, use Malathion dust 5%,• It is also advised to manually collect and destroy bugs found in the field,
Sesame (Til)	Sowing Vegetative		<ul style="list-style-type: none">• Interculture operations,• Monitor against attack of insect pests,
Mustard	Field preparation/ Sowing		<ul style="list-style-type: none">• Farmers are advised sowing of certified treated seeds,• Thinning may be done to maintain proper plant count,
It is also advised from KVK and ICAR that farmers may use zero tillage technology in harvested paddy fields in upland/WRC for sowing of Pea. In this method without ploughing, sowing of pea may be done to use moisture of rice field and straw of rice as organic manure.			
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			

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. • In trunk borer attacked trees, cleaning of entry hole and treatment with Dichlorvos dipped cotton swabs is advised. • Use of light trap to attract adults is also advised. • Farmers are advised to use <i>Jaggary</i>/Malathion traps or pheromone traps to monitor the pest population and collect and destroy the adult insects. Installation of pheromone traps may also be done,
LIVESTOCKS			
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"> • Maintain warmth by lighting filament bulb in the shed, • Adults: Close the ventilation during the night hours with gunny bags/polythene sheets, • Provide anticoccidial medicines along with feeds, • In egg laying birds feed, add calcium, • Schedule vaccination should be followed,
Pigs	All stages		<ul style="list-style-type: none"> • Wherever wounds are there treat with local preparation • Feeds: Properly cook the feed, avoid feeding half cooked feeds, • Piglets: Provide warmth by lighting with filament bulb/cushioning material, • Care pregnant animals,
Cattle	All stages		<ul style="list-style-type: none"> • Lighting to maintain warmth in the shade, • Deworming, • As green feeds supply will decrease, provide quality feeds,
<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:-53/2013-14/Fri

Dated: 18th October, 2013


Weather during the period

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

Weather Forecast

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

Weather Based Agro-meteorological Advisories Bulletin

Crop	Stage	Pest/Disease	Precautionary Practices to be followed
VEGETABLE CROPS			
Cauliflower/ Cabbage/ Radish	Transplanting /Vegetative	Leaf eating caterpillars Wilting/ Colar rot/ Damping off	<ul style="list-style-type: none">• In present weather conditions attack of leaf eating caterpillars/ cut worm has been reported from different locations. Farmers are advised to manually collect and destroy the larvae.• If attack is severe spraying of Imidacloprid 17SL @ 1/2 ml per litre of water is advised,• If symptoms of wilting etc are observed, soil drenching with Captan (@ 3grams/litre of water or Bavistin (@ 2 grams per litre of water) is advised,
Radish	Vegetative		<ul style="list-style-type: none">• Thinning of crop may be done to maintain proper plant count,
Carrot	Vegetative		<ul style="list-style-type: none">• Sowing of quality seeds in well prepared field may be done,• Light interculture operations should be done,
Spinach	Sowing/ Vegetative		<ul style="list-style-type: none">• Sowing of certified/locally available seeds in well prepared nursery may be done,• Light interculture operations should be done,
FIELD CROPS			
WRC rice – Main crop (Mipun)	Grain filling / Ripening	Gundhi bug 	<ul style="list-style-type: none">• As the crop is in grain filling stage, ensure to maintain proper moisture level in the field.• In present weather conditions large scale attack of Gundhi bug has been reported from rice field. If damage level is high, use Malathion dust 5%,• It is also advised to manually collect and destroy bugs found in the field,
Potato	Field preparation/ Planting		<ul style="list-style-type: none">• In view of favourable temperature, farmers are advised to start sowing of good quality potato seeds.• Before sowing treat the seeds.
Turmeric and ginger	Growing	Soft rot, Shoot borer	<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 is observed,
Mustard	Field preparation/ Sowing		<ul style="list-style-type: none">• Farmers are advised sowing of certified treated seeds,• Thinning may be done to maintain proper plant count,
It is also advised from KVK and ICAR that farmers may use zero tillage technology in harvested paddy fields in upland/WRC for sowing of Pea. In this method without ploughing, sowing of pea may be done to use moisture of rice field and straw of rice as organic manure.			
Winter Maize	Field preparation Sowing	Cut worm	<ul style="list-style-type: none">• Present weather conditions are best for sowing of treated seeds.• 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		
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FRUIT CROPS			

In present weather conditions farmers are advised to apply mulch to conserve the moisture,			
Khasi Mandarin	Fruiting	Trunk borer, Ants Lichen/ Mosses Fruit fly	<ul style="list-style-type: none"> In present weather conditions farmers are advised to clean the basin along with dropped fruits. In trunk borer attacked trees, cleaning of entry hole and treatment with Dichlorvos dipped cotton swabs is advised. Use of light trap to attract adults is also advised. Farmers are advised to use <i>Jaggary</i>/Malathion traps or pheromone traps to monitor the pest population and collect and destroy the adult insects. Installation of pheromone traps may also be done,
Banana	All stages	Pseudostem weevil	<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"> Maintain warmth by lighting filament bulb in the shed, Adults: Close the ventilation during the night hours with gunny bags/polythene sheets, Provide anticoccidial medicines along with feeds, In egg laying birds feed, add calcium, Schedule vaccination should be followed,
Pigs	All stages		<ul style="list-style-type: none"> Wherever wounds are there treat with local preparation Feeds: Properly cook the feed, avoid feeding half cooked feeds, Piglets: Provide warmth by lighting with filament bulb/cushioning material, Care pregnant animals,
Cattle	All stages		<ul style="list-style-type: none"> Lighting to maintain warmth in the shade, Deworming, As green feeds supply will decrease, provide quality feeds,
Mithun	All stages	FMD Black quarter	<ul style="list-style-type: none"> Vaccination should be done post monsoon, In young ones, BQ may be observed, vaccinate the animals,
Goat/Sheep	All stages	PPR	<ul style="list-style-type: none"> Vaccinate against the PPR, Provide mineral mixture,
Fish	All stages		<ul style="list-style-type: none"> Maintain adequate water level in the pond, 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 			

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ICAR Research Complex for NEH Region, Arunachal Pradesh Centre

West Siang, Basar – 791 101



(East Kameng)

No:-53/2013-14/Fri

Dated: 18th October, 2013

Weather during the period


Rainfall: -

- Seppa – 0.0 mm

Weather Forecast

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

Weather Based Agro-meteorological Advisories Bulletin

Crop	Stage	Pest/Disease	Precautionary Practices to be followed
VEGETABLE CROPS			
Cauliflower/ Cabbage/ Radish	Transplanting /Vegetative	Leaf eating caterpillars Wilting/ Colar rot/ Damping off	<ul style="list-style-type: none">• In present weather conditions attack of leaf eating caterpillars/ cut worm has been reported from different locations. Farmers are advised to manually collect and destroy the larvae.• If attack is severe spraying of Imidacloprid 17SL @ 1/2 ml per litre of water is advised,• If symptoms of wilting etc are observed, soil drenching with Captan (@ 3grams/litre of water or Bavistin (@ 2 grams per litre of water) is advised,
Radish	Vegetative		<ul style="list-style-type: none">• Thinning of crop may be done to maintain proper plant count,
Carrot	Vegetative		<ul style="list-style-type: none">• Sowing of quality seeds in well prepared field may be done,• Light interculture operations should be done,
Spinach	Sowing/ Vegetative		<ul style="list-style-type: none">• Sowing of certified/locally available seeds in well prepared nursery may be done,• Light interculture operations should be done,
FIELD CROPS			
WRC rice – Main crop (Mipun)	Grain filling / Ripening	Gundhi bug 	<ul style="list-style-type: none">• As the crop is in grain filling stage, ensure to maintain proper moisture level in the field.• In present weather conditions large scale attack of Gundhi bug has been reported from rice field. If damage level is high, use Malathion dust 5%,• It is also advised to manually collect and destroy bugs found in the field,
Potato	Field preparation/ Planting		<ul style="list-style-type: none">• In view of favourable temperature, farmers are advised to start sowing of good quality potato seeds.• Before sowing treat the seeds.
Turmeric and ginger	Growing	Soft rot, Shoot borer	<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 is observed,
Mustard	Field preparation/ Sowing		<ul style="list-style-type: none">• Farmers are advised sowing of certified treated seeds,• Thinning may be done to maintain proper plant count,
It is also advised from KVK and ICAR that farmers may use zero tillage technology in harvested paddy fields in upland/WRC for sowing of Pea. In this method without ploughing, sowing of pea may be done to use moisture of rice field and straw of rice as organic manure.			
Winter Maize	Field preparation Sowing	Cut worm	<ul style="list-style-type: none">• Present weather conditions are best for sowing of treated seeds.• 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		
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FRUIT CROPS			

In present weather conditions farmers are advised to apply mulch to conserve the moisture,			
Khasi Mandarin	Fruiting	Trunk borer, Ants Lichen/ Mosses Fruit fly	<ul style="list-style-type: none"> In present weather conditions farmers are advised to clean the basin along with dropped fruits. In trunk borer attacked trees, cleaning of entry hole and treatment with Dichlorvos dipped cotton swabs is advised. Use of light trap to attract adults is also advised. Farmers are advised to use <i>Jaggary</i>/Malathion traps or pheromone traps to monitor the pest population and collect and destroy the adult insects. Installation of pheromone traps may also be done,
Banana	All stages	Pseudostem weevil	<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			
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Livestock	Stage	Disease	Precautionary Practices to be followed
Poultry	All stages		<ul style="list-style-type: none"> Maintain warmth by lighting filament bulb in the shed, Adults: Close the ventilation during the night hours with gunny bags/polythene sheets, Provide anticoccidial medicines along with feeds, In egg laying birds feed, add calcium, Schedule vaccination should be followed,
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Cattle	All stages		<ul style="list-style-type: none"> Lighting to maintain warmth in the shade, Deworming, As green feeds supply will decrease, provide quality feeds,
Mithun	All stages	FMD Black quarter	<ul style="list-style-type: none"> Vaccination should be done post monsoon, In young ones, BQ may be observed, vaccinate the animals,
Goat/Sheep	All stages	PPR	<ul style="list-style-type: none"> Vaccinate against the PPR, Provide mineral mixture,
Fish	All stages		<ul style="list-style-type: none"> Maintain adequate water level in the pond, 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 			

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West Siang, Basar – 791 101



(East Siang)

No:-53/2013-14/Fri

Dated: 18th October, 2013


Weather during the period

- Maximum temperature: 32.5 °C
- Minimum Temperature: 21.6 °C
- Rainfall:
Pasighat – 4.2 mm
- Relative humidity (%): 66-90

Weather Forecast

- Rainfall – Partially cloudy weather-light rain/thundershower-isolated places forecasted.
- Temperature – Temperature will vary between 22-32 °C.
- Relative Humidity - The RH is likely to be in the range of 39-95 %.

Weather Based Agro-meteorological Advisories Bulletin

Crop	Stage	Pest/Disease	Precautionary Practices to be followed
VEGETABLE CROPS			
Cauliflower/ Cabbage/ Radish	Transplanting /Vegetative	Leaf eating caterpillars Wilting/ Colar rot/ Damping off	<ul style="list-style-type: none">In present weather conditions attack of leaf eating caterpillars/ cut worm has been reported from different locations. Farmers are advised to manually collect and destroy the larvae.If attack is severe spraying of Imidacloprid 17SL @ 1/2 ml per litre of water is advised,If symptoms of wilting etc are observed, soil drenching with Captan (@ 3grams/litre of water or Bavistin (@ 2 grams per litre of water) is advised,
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FIELD CROPS			
WRC rice – Main crop (Mipun)	Grain filling / Ripening	Gundhi bug 	<ul style="list-style-type: none">As the crop is in grain filling stage, ensure to maintain proper moisture level in the field.In present weather conditions large scale attack of Gundhi bug has been reported from rice field. If damage level is high, use Malathion dust 5%,It is also advised to manually collect and destroy bugs found in the field,
Potato	Field preparation/ Planting		<ul style="list-style-type: none">In view of favourable temperature, farmers are advised to start sowing of good quality potato seeds.Before sowing treat the seeds.
Turmeric and ginger	Growing	Soft rot, Shoot borer	<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 is observed,
Mustard	Field preparation/ Sowing		<ul style="list-style-type: none">Farmers are advised sowing of certified treated seeds,Thinning may be done to maintain proper plant count,
It is also advised from KVK and ICAR that farmers may use zero tillage technology in harvested paddy fields in upland/WRC for sowing of Pea. In this method without ploughing, sowing of pea may be done to use moisture of rice field and straw of rice as organic manure.			
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FRUIT CROPS			
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LIVESTOCKS			
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Livestock	Stage	Disease	Precautionary Practices to be followed
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West Siang, Basar – 791 101



(Lohit)

No:-53/2013-14/Fri

Dated: 18th October, 2013


Weather during the period

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

Weather Forecast

• <u>Rainfall</u> : Partially cloudy/clear weather fctst with light rains/thundershowers in isolated places.
• <u>Temperature</u> –The temperature is likely to be in the range of 20-31°C.
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Weather Based Agro-meteorological Advisories Bulletin

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Carrot	Vegetative		<ul style="list-style-type: none">• Sowing of quality seeds in well prepared field may be done,• Light interculture operations should be done,
Spinach	Sowing/ Vegetative		<ul style="list-style-type: none">• Sowing of certified/locally available seeds in well prepared nursery may be done,• Light interculture operations should be done,
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Sesame (Til)	Sowing Vegetative		<ul style="list-style-type: none">• Interculture operations,• Monitor against attack of insect pests,
Mustard	Field preparation/ Sowing		<ul style="list-style-type: none">• Farmers are advised sowing of certified treated seeds,• Thinning may be done to maintain proper plant count,
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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,
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FRUIT CROPS			
Khasi Mandarin	Fruiting		<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

		Trunk borer, Ants Lichen/ Mosses Fruit fly	<p>the basin along with dropped fruits.</p> <ul style="list-style-type: none"> • In trunk borer attacked trees, cleaning of entry hole and treatment with Dichlorvos dipped cotton swabs is advised. • Use of light trap to attract adults is also advised. • Farmers are advised to use <i>Jaggary</i>/Malathion traps or pheromone traps to monitor the pest population and collect and destroy the adult insects. Installation of pheromone traps may also be done,
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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"> • Maintain warmth by lighting filament bulb in the shed, • Adults: Close the ventilation during the night hours with gunny bags/polythene sheets, • Provide anticoccidial medicines along with feeds, • In egg laying birds feed, add calcium, • Schedule vaccination should be followed,
Pigs	All stages		<ul style="list-style-type: none"> • Wherever wounds are there treat with local preparation • Feeds: Properly cook the feed, avoid feeding half cooked feeds, • Piglets: Provide warmth by lighting with filament bulb/cushioning material, • Care pregnant animals,
Cattle	All stages		<ul style="list-style-type: none"> • Lighting to maintain warmth in the shade, • Deworming, • As green feeds supply will decrease, provide quality feeds,
<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:-53/2013-14/Fri

Dated: 18th October, 2013


Weather during the period

- Rainfall: -
1. Ziro – NA

Weather Forecast

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

Weather Based Agro-meteorological Advisories Bulletin

Crop	Stage	Pest/Disease	Precautionary Practices to be followed
VEGETABLE CROPS			
Cauliflower/ Cabbage/ Radish	Transplanting /Vegetative	Leaf eating caterpillars Wilting/ Colar rot/ Damping off	<ul style="list-style-type: none">• In present weather conditions attack of leaf eating caterpillars/ cut worm has been reported from different locations. Farmers are advised to manually collect and destroy the larvae.• If attack is severe spraying of Imidacloprid 17SL @ 1/2 ml per litre of water is advised,• If symptoms of wilting etc are observed, soil drenching with Captan (@ 3grams/litre of water or Bavistin (@ 2 grams per litre of water) is advised,
Radish	Vegetative		<ul style="list-style-type: none">• Thinning of crop may be done to maintain proper plant count,
Spinach	Sowing/ Vegetative		<ul style="list-style-type: none">• Sowing of certified/locally available seeds in well prepared nursery may be done,• Light interculture operations should be done,
FIELD CROPS			
WRC rice – Main crop (Mipun)	Grain filling / Ripening	Gundhi bug 	<ul style="list-style-type: none">• As the crop is in grain filling stage, ensure to maintain proper moisture level in the field.• In present weather conditions large scale attack of Gundhi bug has been reported from rice field. If damage level is high, use Malathion dust 5%,• It is also advised to manually collect and destroy bugs found in the field,
It is also advised from KVK and ICAR that farmers may use zero tillage technology in harvested paddy fields in upland/WRC for sowing of Pea. In this method without ploughing, sowing of pea may be done to use moisture of rice field and straw of rice as organic manure.			
Maize	Field 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			
<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.• In trunk borer attacked trees, cleaning of entry hole and treatment with Dichlorvos dipped cotton swabs is advised.• Use of light trap to attract adults is also advised.• Farmers are advised to use Jaggary/Malathion traps or pheromone traps to monitor the pest population and collect and destroy the adult insects. Installation of pheromone

			traps may also be done,
LIVESTOCKS			
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">• Maintain warmth by lighting filament bulb in the shed,• Adults: Close the ventilation during the night hours with gunny bags/polythene sheets,• Provide anticoccidial medicines along with feeds,• In egg laying birds feed, add calcium,• Schedule vaccination should be followed,
Pigs	All stages		<ul style="list-style-type: none">• Wherever wounds are there treat with local preparation• Feeds: Properly cook the feed, avoid feeding half cooked feeds,• Piglets: Provide warmth by lighting with filament bulb/cushioning material,• Care pregnant animals,
Cattle	All stages		<ul style="list-style-type: none">• Lighting to maintain warmth in the shade,• Deworming,• As green feeds supply will decrease, provide quality feeds,
Mithun	All stages	FMD Black quarter	<ul style="list-style-type: none">• Vaccination should be done post monsoon,• In young ones, BQ may be observed, vaccinate the animals,
<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			

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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:-53/2013-14/Fri

Dated: 18th October, 2013


Weather during the period

- Maximum temperature: 32.7°C
- Minimum Temperature: 20.7°C
- Relative Humidity (%):72-89
- Rainfall: -
 - Itanagar – 0.0 mm
 - Naharlagun – 0.0 mm

Weather Forecast

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

Weather Based Agro-meteorological Advisories Bulletin

Crop	Stage	Pest/Disease	Precautionary Practices to be followed
VEGETABLE CROPS			
Cauliflower/ Cabbage/ Radish	Transplanting /Vegetative	Leaf eating caterpillars Wilting/ Colar rot/ Damping off	<ul style="list-style-type: none">In present weather conditions attack of leaf eating caterpillars/ cut worm has been reported from different locations. Farmers are advised to manually collect and destroy the larvae.If attack is severe spraying of Imidacloprid 17SL @ 1/2 ml per litre of water is advised,If symptoms of wilting etc are observed, soil drenching with Captan (@ 3grams/litre of water or Bavistin (@ 2 grams per litre of water) is advised,
Radish	Vegetative		<ul style="list-style-type: none">Thinning of crop may be done to maintain proper plant count,
Carrot	Vegetative		<ul style="list-style-type: none">Sowing of quality seeds in well prepared field may be done,Light interculture operations should be done,
Spinach	Sowing/ Vegetative		<ul style="list-style-type: none">Sowing of certified/locally available seeds in well prepared nursery may be done,Light interculture operations should be done,
FIELD CROPS			
WRC rice – Main crop (Mipun)	Grain filling / Ripening	Gundhi bug 	<ul style="list-style-type: none">As the crop is in grain filling stage, ensure to maintain proper moisture level in the field.In present weather conditions large scale attack of Gundhi bug has been reported from rice field. If damage level is high, use Malathion dust 5%,It is also advised to manually collect and destroy bugs found in the field,
Potato	Field preparation/ Planting		<ul style="list-style-type: none">In view of favourable temperature, farmers are advised to start sowing of good quality potato seeds.Before sowing treat the seeds.
Turmeric and ginger	Growing	Soft rot, Shoot borer	<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 is observed,
Mustard	Field preparation/ Sowing		<ul style="list-style-type: none">Farmers are advised sowing of certified treated seeds,Thinning may be done to maintain proper plant count,
It is also advised from KVK and ICAR that farmers may use zero tillage technology in harvested paddy fields in upland/WRC for sowing of Pea. In this method without ploughing, sowing of pea may be done to use moisture of rice field and straw of rice as organic manure.			
Winter Maize	Field preparation Sowing	Cut worm	<ul style="list-style-type: none">Present weather conditions are best for sowing of treated seeds.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			
In present weather conditions farmers are advised to apply mulch to conserve the moisture,			
Khasi Mandarin	Fruiting	Trunk borer, Ants Lichen/ Mosses Fruit fly	<ul style="list-style-type: none">In present weather conditions farmers are advised to clean the basin along with dropped fruits.In trunk borer attacked trees, cleaning of entry hole and treatment with Dichlorvos dipped cotton swabs is advised.Use of light trap to attract adults is also advised.Farmers are advised to use <i>Jaggary</i>/Malathion traps or pheromone traps to monitor the pest population and collect and destroy the adult insects. Installation of pheromone traps may also be done,
Banana	All stages	Pseudostem weevil	<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">Maintain warmth by lighting filament bulb in the shed,Adults: Close the ventilation during the night hours with gunny bags/polythene sheets,Provide anticoccidial medicines along with feeds,In egg laying birds feed, add calcium,Schedule vaccination should be followed,
Pigs	All stages		<ul style="list-style-type: none">Wherever wounds are there treat with local preparationFeeds: Properly cook the feed, avoid feeding half cooked feeds,Piglets: Provide warmth by lighting with filament bulb/cushioning material,Care pregnant animals,
Cattle	All stages		<ul style="list-style-type: none">Lighting to maintain warmth in the shade,Deworming,As green feeds supply will decrease, provide quality feeds,
Mithun	All stages	FMD Black quarter	<ul style="list-style-type: none">Vaccination should be done post monsoon,In young ones, BQ may be observed, vaccinate the animals,
Goat/Sheep	All stages	PPR	<ul style="list-style-type: none">Vaccinate against the PPR,Provide mineral mixture,
Fish	All stages		<ul style="list-style-type: none">Maintain adequate water level in the pond,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:-53/2013-14/Fri

Dated: 18th October, 2013

Weather during the period

- Rainfall: -
1. Tawang –9.0 mm

Weather Forecast

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

Weather Based Agro-meteorological Advisories Bulletin

Crop	Stage	Pest/Disease	Precautionary Practices to be followed
FRUITS			
Apple	Harvesting	Fruit Fly Trunk Borer	<ul style="list-style-type: none">• Monitor fruit fly damage,• Collection/deep burying (Atleast 4 feet deep) of infected fruit,• If extreme damage is noticed, spraying of Malathion @ 3ml per litre of water is advised,• Installation of light traps to capture adults.• Urgent/immediate treatment of affected parts of trees,
VEGETABLE CROPS			
Cauliflower / Cabbage/ Radish	Harvesting	Cutworm Diamond back moth	<ul style="list-style-type: none">• 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		<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">• Maintain warmth by lighting filament bulb in the shed,• Adults: Close the ventilation during the night hours with gunny bags/polythene sheets,• Provide anticoccidial medicines along with feeds,• In egg laying birds feed, add calcium,• Schedule vaccination should be followed,
Cattle	All stages		<ul style="list-style-type: none">• Lighting to maintain warmth in the shade,• Deworming,• As green feeds supply will decrease, provide quality feeds,
Goat/Sheep	All stages	PPR	<ul style="list-style-type: none">• Vaccinate against the PPR,• Provide mineral mixture,

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

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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:-53/2013-14/Fri

Dated: 18th October, 2013


Weather during the period

- Rainfall: -
 - Khonsa –NA
 - Deomali –3.0 mm

Weather Forecast

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

Weather Based Agro-meteorological Advisories Bulletin

Crop	Stage	Pest/Disease	Precautionary Practices to be followed
VEGETABLE CROPS			
Cauliflower/ Cabbage/ Radish	Transplanting /Vegetative	Leaf eating caterpillars Wilting/ Colar rot/ Damping off	<ul style="list-style-type: none">• In present weather conditions attack of leaf eating caterpillars/ cut worm has been reported from different locations. Farmers are advised to manually collect and destroy the larvae.• If attack is severe spraying of Imidacloprid 17SL @ 1/2 ml per litre of water is advised,• If symptoms of wilting etc are observed, soil drenching with Captan (@ 3grams/litre of water or Bavistin (@ 2 grams per litre of water) is advised,
Radish	Vegetative		<ul style="list-style-type: none">• Thinning of crop may be done to maintain proper plant count,
Carrot	Vegetative		<ul style="list-style-type: none">• Sowing of quality seeds in well prepared field may be done,• Light interculture operations should be done,
Spinach	Sowing/ Vegetative		<ul style="list-style-type: none">• Sowing of certified/locally available seeds in well prepared nursery may be done,• Light interculture operations should be done,
FIELD CROPS			
WRC rice – Main crop (Mipun)	Grain filling / Ripening	Gundhi bug 	<ul style="list-style-type: none">• As the crop is in grain filling stage, ensure to maintain proper moisture level in the field.• In present weather conditions large scale attack of Gundhi bug has been reported from rice field. If damage level is high, use Malathion dust 5%,• It is also advised to manually collect and destroy bugs found in the field,
Sesame (Til)	Sowing Vegetative		<ul style="list-style-type: none">• Interculture operations,• Monitor against attack of insect pests,
Mustard	Field preparation/ Sowing		<ul style="list-style-type: none">• Farmers are advised sowing of certified treated seeds,• Thinning may be done to maintain proper plant count,
It is also advised from KVK and ICAR that farmers may use zero tillage technology in harvested paddy fields in upland/WRC for sowing of Pea. In this method without ploughing, sowing of pea may be done to use moisture of rice field and straw of rice as organic manure.			
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			
Khasi Mandarin	Fruiting		<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

		Trunk borer, Ants Lichen/ Mosses Fruit fly	<p>the basin along with dropped fruits.</p> <ul style="list-style-type: none"> • In trunk borer attacked trees, cleaning of entry hole and treatment with Dichlorvos dipped cotton swabs is advised. • Use of light trap to attract adults is also advised. • Farmers are advised to use <i>Jaggary</i>/Malathion traps or pheromone traps to monitor the pest population and collect and destroy the adult insects. Installation of pheromone traps may also be done,
LIVESTOCKS			
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"> • Maintain warmth by lighting filament bulb in the shed, • Adults: Close the ventilation during the night hours with gunny bags/polythene sheets, • Provide anticoccidial medicines along with feeds, • In egg laying birds feed, add calcium, • Schedule vaccination should be followed,
Pigs	All stages		<ul style="list-style-type: none"> • Wherever wounds are there treat with local preparation • Feeds: Properly cook the feed, avoid feeding half cooked feeds, • Piglets: Provide warmth by lighting with filament bulb/cushioning material, • Care pregnant animals,
Cattle	All stages		<ul style="list-style-type: none"> • Lighting to maintain warmth in the shade, • Deworming, • As green feeds supply will decrease, provide quality feeds,
<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 			

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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:-53/2013-14/Fri

Dated: 18th October, 2013


Weather during the period

- Rainfall: -
N Tuting – 34.0 mm

Weather Forecast

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

Weather Based Agro-meteorological Advisories Bulletin

Crop	Stage	Pest/Disease	Precautionary Practices to be followed
VEGETABLE CROPS			
Cauliflower/ Cabbage/ Radish	Transplanting /Vegetative	Leaf eating caterpillars Wilting/ Colar rot/ Damping off	<ul style="list-style-type: none">• In present weather conditions attack of leaf eating caterpillars/ cut worm has been reported from different locations. Farmers are advised to manually collect and destroy the larvae.• If attack is severe spraying of Imidacloprid 17SL @ 1/2 ml per litre of water is advised,• If symptoms of wilting etc are observed, soil drenching with Captan (@ 3grams/litre of water or Bavistin (@ 2 grams per litre of water) is advised,
Radish	Vegetative		<ul style="list-style-type: none">• Thinning of crop may be done to maintain proper plant count,
Carrot	Vegetative		<ul style="list-style-type: none">• Sowing of quality seeds in well prepared field may be done,• Light interculture operations should be done,
Spinach	Sowing/ Vegetative		<ul style="list-style-type: none">• Sowing of certified/locally available seeds in well prepared nursery may be done,• Light interculture operations should be done,
FIELD CROPS			
WRC rice – Main crop (Mipun)	Grain filling / Ripening	Gundhi bug 	<ul style="list-style-type: none">• As the crop is in grain filling stage, ensure to maintain proper moisture level in the field.• In present weather conditions large scale attack of Gundhi bug has been reported from rice field. If damage level is high, use Malathion dust 5%,• It is also advised to manually collect and destroy bugs found in the field,
Potato	Field preparation/ Planting		<ul style="list-style-type: none">• In view of favourable temperature, farmers are advised to start sowing of good quality potato seeds.• Before sowing treat the seeds.
Turmeric and ginger	Growing	Soft rot, Shoot borer	<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 is observed,
Mustard	Field preparation/ Sowing		<ul style="list-style-type: none">• Farmers are advised sowing of certified treated seeds,• Thinning may be done to maintain proper plant count,
It is also advised from KVK and ICAR that farmers may use zero tillage technology in harvested paddy fields in upland/WRC for sowing of Pea. In this method without ploughing, sowing of pea may be done to use moisture of rice field and straw of rice as organic manure.			
Winter Maize	Field preparation Sowing	Cut worm	<ul style="list-style-type: none">• Present weather conditions are best for sowing of treated seeds.• 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			

In present weather conditions farmers are advised to apply mulch to conserve the moisture,			
Khasi Mandarin	Fruiting	Trunk borer, Ants Lichen/ Mosses Fruit fly	<ul style="list-style-type: none">• In present weather conditions farmers are advised to clean the basin along with dropped fruits.• In trunk borer attacked trees, cleaning of entry hole and treatment with Dichlorvos dipped cotton swabs is advised.• Use of light trap to attract adults is also advised.• Farmers are advised to use <i>Jaggary</i>/Malathion traps or pheromone traps to monitor the pest population and collect and destroy the adult insects. Installation of pheromone traps may also be done,
Banana	All stages	Pseudostem weevil	<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">• Maintain warmth by lighting filament bulb in the shed,• Adults: Close the ventilation during the night hours with gunny bags/polythene sheets,• Provide anticoccidial medicines along with feeds,• In egg laying birds feed, add calcium,• Schedule vaccination should be followed,
Pigs	All stages		<ul style="list-style-type: none">• Wherever wounds are there treat with local preparation• Feeds: Properly cook the feed, avoid feeding half cooked feeds,• Piglets: Provide warmth by lighting with filament bulb/cushioning material,• Care pregnant animals,
Cattle	All stages		<ul style="list-style-type: none">• Lighting to maintain warmth in the shade,• Deworming,• As green feeds supply will decrease, provide quality feeds,
Goat/Sheep	All stages	PPR	<ul style="list-style-type: none">• Vaccinate against the PPR,• Provide mineral mixture,
Fish	All stages		<ul style="list-style-type: none">• Maintain adequate water level in the pond,• 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			

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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:-53/2013-14/Fri

Dated: 18th October, 2013


Weather during the period

- Rainfall: -
 - Daporijo- NA

Weather Forecast

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

Weather Based Agro-meteorological Advisories Bulletin

Crop	Stage	Pest/Disease	Precautionary Practices to be followed
VEGETABLE CROPS			
Cauliflower/ Cabbage/ Radish	Transplanting /Vegetative	Leaf eating caterpillars Wilting/ Colar rot/ Damping off	<ul style="list-style-type: none">• In present weather conditions attack of leaf eating caterpillars/ cut worm has been reported from different locations. Farmers are advised to manually collect and destroy the larvae.• If attack is severe spraying of Imidacloprid 17SL @ 1/2 ml per litre of water is advised,• If symptoms of wilting etc are observed, soil drenching with Captan (@ 3grams/litre of water or Bavistin (@ 2 grams per litre of water) is advised,
Radish	Vegetative		<ul style="list-style-type: none">• Thinning of crop may be done to maintain proper plant count,
Carrot	Vegetative		<ul style="list-style-type: none">• Sowing of quality seeds in well prepared field may be done,• Light interculture operations should be done,
Spinach	Sowing/ Vegetative		<ul style="list-style-type: none">• Sowing of certified/locally available seeds in well prepared nursery may be done,• Light interculture operations should be done,
FIELD CROPS			
WRC rice – Main crop (Mipun)	Grain filling / Ripening	Gundhi bug 	<ul style="list-style-type: none">• As the crop is in grain filling stage, ensure to maintain proper moisture level in the field.• In present weather conditions large scale attack of Gundhi bug has been reported from rice field. If damage level is high, use Malathion dust 5%,• It is also advised to manually collect and destroy bugs found in the field,
Potato	Field preparation/ Planting		<ul style="list-style-type: none">• In view of favourable temperature, farmers are advised to start sowing of good quality potato seeds.• Before sowing treat the seeds.
Turmeric and ginger	Growing	Soft rot, Shoot borer	<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 is observed,
Mustard	Field preparation/ Sowing		<ul style="list-style-type: none">• Farmers are advised sowing of certified treated seeds,• Thinning may be done to maintain proper plant count,
It is also advised from KVK and ICAR that farmers may use zero tillage technology in harvested paddy fields in upland/WRC for sowing of Pea. In this method without ploughing, sowing of pea may be done to use moisture of rice field and straw of rice as organic manure.			
Winter Maize	Field preparation Sowing	Cut worm	<ul style="list-style-type: none">• Present weather conditions are best for sowing of treated seeds.• 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			
In present weather conditions farmers are advised to apply mulch to conserve the moisture,			

Khasi Mandarin	Fruiting	Trunk borer, Ants Lichen/ Mosses Fruit fly	<ul style="list-style-type: none"> • In present weather conditions farmers are advised to clean the basin along with dropped fruits. • In trunk borer attacked trees, cleaning of entry hole and treatment with Dichlorvos dipped cotton swabs is advised. • Use of light trap to attract adults is also advised. • Farmers are advised to use <i>Jaggary</i>/Malathion traps or pheromone traps to monitor the pest population and collect and destroy the adult insects. Installation of pheromone traps may also be done,
Banana	All stages	Pseudostem weevil	<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"> • Maintain warmth by lighting filament bulb in the shed, • Adults: Close the ventilation during the night hours with gunny bags/polythene sheets, • Provide anticoccidial medicines along with feeds, • In egg laying birds feed, add calcium, • Schedule vaccination should be followed,
Pigs	All stages		<ul style="list-style-type: none"> • Wherever wounds are there treat with local preparation • Feeds: Properly cook the feed, avoid feeding half cooked feeds, • Piglets: Provide warmth by lighting with filament bulb/cushioning material, • Care pregnant animals,
Cattle	All stages		<ul style="list-style-type: none"> • Lighting to maintain warmth in the shade, • Deworming, • As green feeds supply will decrease, provide quality feeds,
Mithun	All stages	FMD Black quarter	<ul style="list-style-type: none"> • Vaccination should be done post monsoon, • In young ones, BQ may be observed, vaccinate the animals,
Dog	All stages	Rabies,	<ul style="list-style-type: none"> • Vaccinate against rabies, • Deworming,
Goat/Sheep	All stages	PPR	<ul style="list-style-type: none"> • Vaccinate against the PPR, • Provide mineral mixture,
<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



(West Kameng)

No:-53/2013-14/Fri

Dated: 18th October, 2013

Weather during the period

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

Weather Forecast

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

Weather Based Agro-meteorological Advisories Bulletin

Crop	Stage	Pest/Disease	Precautionary Practices to be followed
FRUITS			
Apple	Harvesting	Fruit Fly Trunk Borer	<ul style="list-style-type: none">• Monitor fruit fly damage,• Collection/deep burying (Atleast 4 feet deep) of infected fruit,• If extreme damage is noticed, spraying of Malathion @ 3ml per litre of water is advised,• Installation of light traps to capture adults.• Urgent/immediate treatment of affected parts of trees,
VEGETABLE CROPS			
Cauliflower / Cabbage/ Radish	Harvesting	Cutworm Diamond back moth	<ul style="list-style-type: none">• 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		<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">• Maintain warmth by lighting filament bulb in the shed,• Adults: Close the ventilation during the night hours with gunny bags/polythene sheets,• Provide anticoccidial medicines along with feeds,• In egg laying birds feed, add calcium,• Schedule vaccination should be followed,
Cattle	All stages		<ul style="list-style-type: none">• Lighting to maintain warmth in the shade,• Deworming,• As green feeds supply will decrease, provide quality feeds,
Goat/Sheep	All stages	PPR	<ul style="list-style-type: none">• Vaccinate against the PPR,• Provide mineral mixture,

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

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

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:-53/2013-14/Fri

Dated: 18th October, 2013

Weather during the period

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


- Maximum temperature: **30.5°C**
- Minimum Temperature: **19.0°C**
- Rainfall: **4.6 mm**
- Evapotranspiration: - -
- Relative Humidity (%): **-75-96 %**
- Soil moisture (m^2 / m^2): **0.22**
- Prominent Wind Direction: **South West (Morning hours) & North East (Afternoon)**
- Average Wind Speed: **0.5 metres per second**
- Average Sunshine hours : **3.2 hours**

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

Weather Forecast

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

Weather Based Agro-meteorological Advisories Bulletin

Crop	Stage	Pest/Disease	Precautionary Practices to be followed
VEGETABLE CROPS			
Cauliflower/ Cabbage/ Radish	Transplanting /Vegetative	Leaf eating caterpillars Wilting/ Colar rot/ Damping off	<ul style="list-style-type: none">• In present weather conditions attack of leaf eating caterpillars/ cut worm has been reported from different locations. Farmers are advised to manually collect and destroy the larvae.• If attack is severe spraying of Imidacloprid 17SL @ 1/2 ml per litre of water is advised,• If symptoms of wilting etc are observed, soil drenching with Captan (@ 3grams/litre of water or Bavistin (@ 2 grams per litre of water) is advised,
Radish	Vegetative		<ul style="list-style-type: none">• Thinning of crop may be done to maintain proper plant count,
Carrot	Vegetative		<ul style="list-style-type: none">• Sowing of quality seeds in well prepared field may be done,• Light interculture operations should be done,
Spinach	Sowing/ Vegetative		<ul style="list-style-type: none">• Sowing of certified/locally available seeds in well prepared nursery may be done,• Light interculture operations should be done,
FIELD CROPS			
WRC rice – Main crop (Mipun)	Grain filling / Ripening	Gundhi bug 	<ul style="list-style-type: none">• As the crop is in grain filling stage, ensure to maintain proper moisture level in the field.• In present weather conditions large scale attack of Gundhi bug has been reported from rice field. If damage level is high, use Malathion dust 5%,• It is also advised to manually collect and destroy bugs found in the field,
Potato	Field preparation/ Planting		<ul style="list-style-type: none">• In view of favourable temperature, farmers are advised to start sowing of good quality potato seeds.• Before sowing treat the seeds.
Turmeric and ginger	Growing	Soft rot, Shoot borer	<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 is observed,
Mustard	Field preparation/ Sowing		<ul style="list-style-type: none">• Farmers are advised sowing of certified treated seeds,• Thinning may be done to maintain proper plant count,

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

moisture of rice field and straw of rice as organic manure.			
Winter Maize	Field preparation Sowing	Cut worm	<ul style="list-style-type: none">• Present weather conditions are best for sowing of treated seeds.• 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			
In present weather conditions farmers are advised to apply mulch to conserve the moisture,			
Khasi Mandarin	Fruiting	Trunk borer, Ants Lichen/ Mosses Fruit fly	<ul style="list-style-type: none"> • In present weather conditions farmers are advised to clean the basin along with dropped fruits. • In trunk borer attacked trees, cleaning of entry hole and treatment with Dichlorvos dipped cotton swabs is advised. • Use of light trap to attract adults is also advised. • Farmers are advised to use <i>Jaggary</i>/Malathion traps or pheromone traps to monitor the pest population and collect and destroy the adult insects. Installation of pheromone traps may also be done,
Banana	All stages	Pseudostem weevil	<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"> • Maintain warmth by lighting filament bulb in the shed, • Adults: Close the ventilation during the night hours with gunny bags/polythene sheets, • Provide anticoccidial medicines along with feeds, • In egg laying birds feed, add calcium, • Schedule vaccination should be followed,
Pigs	All stages		<ul style="list-style-type: none"> • Wherever wounds are there treat with local preparation • Feeds: Properly cook the feed, avoid feeding half cooked feeds, • Piglets: Provide warmth by lighting with filament bulb/cushioning material, • Care pregnant animals,
Cattle	All stages		<ul style="list-style-type: none"> • Lighting to maintain warmth in the shade, • Deworming, • As green feeds supply will decrease, provide quality feeds,
Rabbits	All stages	Snuffles	<ul style="list-style-type: none"> • Keep strict vigil • Consult experts,
Mithun	All stages	FMD Black quarter	<ul style="list-style-type: none"> • Vaccination should be done post monsoon, • In young ones, BQ may be observed, vaccinate the animals,
Dog	All stages	Rabies,	<ul style="list-style-type: none"> • Vaccinate against rabies, • Deworming,
Goat/Sheep	All stages	PPR	<ul style="list-style-type: none"> • Vaccinate against the PPR, • Provide mineral mixture,
Fish	All stages		<ul style="list-style-type: none"> • Maintain adequate water level in the pond, • 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 			