



जिला स्तर कृषि मौसम सलाहकार सेवा पत्रिका
District Level Agro-met Advisory Bulletin
Arunachal Pradesh



(Period: 23rd to 28th November, 2018)

No: AMFU-Basar/2018/94

Dated: Fri, 23rd November, 2018



Gramin Krishi Mausam Sewa
 ICAR Research Complex for NEH Region, Arunachal Pradesh Centre, Basar-791101

ADVISORY FOR DISTRICT: ANJAW

{Hawai: Latitude: 28.2179994/ Longitude: 94.7277528/Altitude: 1296 m amsl}

Weather summary of the previous week	Weather forecast valid up to 28 th November 2018
No weather summary available	Generally clear/dry weather forecasted. Daily maximum and minimum temperature for the following period is predicted to be 26.6-28.8°C and 13.7-15.3°C respectively. Expected morning and evening relative humidity will be 75-85% and 40-49% respectively. Wind direction is mainly SE & ESE with average wind speed range of 7.9-10.1 kmph.
Warning:	❖

GENERAL RECOMMENDATIONS

- ❖ Monitor for possible attack of insects/pests
- ❖ Application of fertilizers/manure can be done during clear/dry days
- ❖ Proper drainage to all crop to avoid runoff
- ❖ Check of vaccination schedule in poultry/livestock

DETAILS OF ADVISORIES FOR THE PERIOD

Crop	Stage	Pest/Disease	Precautionary Practices to be followed
FIELD CROPS			
Kharif Rice (Normal transplanted)	Physiological maturity/harvesting		<ul style="list-style-type: none"> ❖ Harvesting of the standing crop is advised in a priority basis. ❖ Sun-dry the harvested crop before storage. ❖ Drain excess water in the field 7-10 days before harvesting to hasten maturity & improve harvesting condition. This would also enable early & easy preparation of field for next crop(Rabi),
Black Gram & Green Gram	Vegetative	Leaf eating insects/ Powdery mildew	<ul style="list-style-type: none"> ❖ Monitor for possible attack of leaf-eating insects ❖ Spray Azadirachtin 0.15% EC 2@ 6ml/lit against leaf eating insects in vegetables ❖ Need based foliar spray of Sulfex@2g/lit water to control powdery mildew
Pea	Sowing	Cut worm	<ul style="list-style-type: none"> ❖ Sowing of quality seed may be done at the earliest ❖ When damage level is high application of Lannate 40 SP @ 5 gram per 10 litre of water may be done,
VEGETABLES			
Carrot	Sowing		<ul style="list-style-type: none"> ❖ For better germination soak seed in water overnight, shade dry and sow right away.
Cabbage/ Cauliflower/ Knolkhol/ Others	Transplanting/ Vegetative		<ul style="list-style-type: none"> ❖ Spray Azadirachtin 0.03% (neem oil based WSP) @ 5lit/1000lit water/ha against Aphids, DBM, Cabbage Worm, Cabbage looper etc. ❖ Transplanting of healthy seedlings may be done in well prepared field, ❖ Provide proper drainage in nursery/field
HORTICULTURAL CROPS			
Citrus	Fruiting/ maturity	Fruit fly	<ul style="list-style-type: none"> ❖ Collect & dispose rotten fallen fruits/ install fruitfly traps
Peach	Vegetative (harvesting over)		<ul style="list-style-type: none"> ❖ Training & pruning of diseased/criss-cross branches to harvest more solar energy & for proper growth.
LIVESTOCKS			
Livestock	Stage	Disease	Precautionary Practices to be followed
Poultry	All stages		<ul style="list-style-type: none"> ❖ Provide adequate bedding materials & warmth@ 2watts/chick & close all ventilations. ❖ Vaccination of birds as per the recommended age, ❖ Avoid dampness, litter should be periodically changed. ❖ Provide clean and fresh water daily. ❖ Artificial heating through lighting of electric bulb during night time to protect the poultry birds (day old to 25 days old) from low temperature.
Fish	-		<ul style="list-style-type: none"> ❖ Partial harvesting, ❖ Frequent stirring of pond water and keep pond free of weeds and others
Pig	All stages		<ul style="list-style-type: none"> ❖ Deworming at regular interval
Contact Scientists (ICAR) or State Agril Staff or KVK staff for measures against adverse conditions or call at 03795-226237/226247			



Block Level Experimental Agro-met Advisory Bulletin

(Period: 23rd to 28th November, 2018)

No: AMFU-Basar/2018/43

Dated: Fri, 23rd November, 2018



Gramin Krishi Mausam Sewa

ICAR Research Complex for NEH Region, Arunachal Pradesh Centre, Basar-791101

ADVISORY FOR BLOCK: BASAR

{Basar: Latitude: 27°59.53/Longitude: 94.41.269/Altitude: 616 amsl}

Weather summary of the previous week	Weather forecast valid up to 28 th November 2018
Rainfall: 0.0 mm, Max. T: 23.1°C, Min. T: 8.5°C, Wind Speed: 5-6 km/h, RH: 59-95%, Wind Direction: WS	Generally clear/dry weather forecasted. Daily maximum and minimum temperature for the following period is predicted to be 27-29°C and 13-15°C respectively. Expected morning and evening relative humidity will be 49-70% and 18-27% respectively. Wind direction is mainly NNW with average wind speed range of 4-5 kmph.
Warning:	•

GENERAL RECOMMENDATIONS

- Monitor for possible attack of insects/pests
- Application of fertilizers/manure can be done during clear/dry days
- Proper drainage to all crop to avoid runoff
- Check of vaccination schedule in poultry/livestock

DETAILS OF ADVISORIES FOR THE PERIOD

Crop	Stage	Pest/Disease	Precautionary Practices to be followed
FIELD CROPS			
Kharif Rice (Normal transplanted)	Physiological maturity/ harvesting		<ul style="list-style-type: none"> ❖ Harvesting of the standing crop is advised in a priority basis. ❖ Sun-dry the harvested crop before storage. ❖ Drain excess water in the field 7-10 days before harvesting to hasten maturity & improve harvesting condition. This would also enable early & easy preparation of field for next crop(Rabi),
Black Gram & Green Gram	Vegetative	Leaf eating insects/ Powdery mildew	<ul style="list-style-type: none"> ❖ Monitor for possible attack of leaf-eating insects ❖ Spray Azadirachtin 0.15% EC 2@ 6ml/lit against leaf eating insects in vegetables ❖ Need based foliar spray of Sulfex@2g/lit water to control powdery mildew
Pea	Sowing	Cut worm	<ul style="list-style-type: none"> ❖ Sowing of quality seed may be done at the earliest ❖ When damage level is high application of Lannate 40 SP @ 5 gram per 10 litre of water may be done,
VEGETABLES			
Carrot	Sowing		<ul style="list-style-type: none"> ❖ For better germination soak seed in water overnight, shade dry and sow right away.
Cabbage/ Cauliflower/ Knolkhol/ Others	Transplanting/ Vegetative		<ul style="list-style-type: none"> ❖ Spray Azadirachtin 0.03% (neem oil based WSP) @ 5lit/1000lit water/ha against Aphids, DBM, Cabbage Worm, Cabbage looper etc. ❖ Transplanting of healthy seedlings may be done in well prepared field, ❖ Provide proper drainage in nursery/field
HORTICULTURAL CROPS			
Citrus	Fruiting/ maturity	Fruit fly	<ul style="list-style-type: none"> ❖ Collect & dispose rotten fallen fruits/ install fruitfly traps
Peach	Vegetative (harvesting over)		<ul style="list-style-type: none"> ❖ Training & pruning of diseased/criss-cross branches to harvest more solar energy & for proper growth.
LIVESTOCKS			
Livestock	Stage	Disease	Precautionary Practices to be followed
Poultry	All stages		<ul style="list-style-type: none"> ❖ Provide adequate bedding materials & warmth@ 2watts/chick & close all ventilations. ❖ Vaccination of birds as per the recommended age, ❖ Avoid dampness, litter should be periodically changed. ❖ Provide clean and fresh water daily. ❖ Artificial heating through lighting of electric bulb during night time to protect the poultry birds (day old to 25 days old) from low temperature.
Pig	All stages		<ul style="list-style-type: none"> ❖ Deworming at regular interval
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Gramin Krishi Mausam Sewa
 ICAR Research Complex for NEH Region, Arunachal Pradesh Centre, Basar-791101

ADVISORY FOR DISTRICT: CHANGLANG

{Changlang (HQ): Latitude: 27.1305856/Longitude: 95.7342373/Altitude: 580 masl}

Weather summary of the previous week	Weather forecast valid up to 28 th November 2018
Rainfall = Changlang: NA Miao: 0.0 mm	Generally clear/dry weather forecasted. Daily maximum and minimum temperature for the following period is predicted to be 25.7-27.0°C and 13.4-14.7°C respectively. Expected morning and evening relative humidity will be 85-90% and 45-56% respectively. Wind direction is mainly SE & ESE with average wind speed range of 4.5-4.8 kmph.
Warning:	•

GENERAL RECOMMENDATIONS

- Monitor for possible attack of insects/pests
- Application of fertilizers/manure can be done during clear/dry days
- Proper drainage to all crop to avoid runoff
- Check of vaccination schedule in poultry/livestock

DETAILS OF ADVISORIES FOR THE PERIOD

Crop	Stage	Pest/Disease	Precautionary Practices to be followed
FIELD CROPS			
Mustard	Sowing/ Vegetative	Aphids	<ul style="list-style-type: none"> ❖ Sowing recommended ❖ Spray Indofil^m-45@2.5g/l as preventive measure against alternaria blight and dimethoate 30 EC@3ml/lit for aphid in mustard.
WRC rice – Main crop (Mipun)	Maturing	Gundhi bug Rat	<ul style="list-style-type: none"> ❖ Harvesting of the standing crop is advised only during clear/dry days, ❖ Threshing and proper sun-drying is important ❖ Herein, farmers are advised not to kill snakes as far as possible, as they are the main biological agent which check rodent population,
Black Gram/ Green Gram/ Pea	Vegetative	Powdery Mildew	<ul style="list-style-type: none"> ❖ Need based foliar spray of Sulfex@2g/lit water to control powdery mildew in black/green gram/pea.
VEGETABLES			
Potato	Vegetative		<ul style="list-style-type: none"> ❖ Weeding and application of fertilizer as per recommended doses is suggested in potato.
Brinjal	Fruiting	Brinjal Shoot and Fruit Borer	<ul style="list-style-type: none"> ❖ Periodical hand picking of dead shoots and fruits and its destruction,
Cauliflower /Cabbage/Knolk hol/Broccoli/	Vegetative	Cut worm/ Damping off	<ul style="list-style-type: none"> ❖ Spray micronutrients (multiplex@ 0.2%) to control nutritional deficiency in cole crops/vegetables. ❖ Maintain proper moisture level in the crop field, ❖ Due to wet environment there is possibility of attack of Cut worm. If infestation is very high, to protect the seedlings apply Carbaryl (Sevin) 5% as bait @ 10 kg per acre.
HORTICULTURAL CROPS			
Large Cardamom	Vegetative		<ul style="list-style-type: none"> ❖ Remove dry/diseased/old tillers & branches & spray Bio NPK@ 2ml/lit water for proper growth.
Citrus	Fruiting/ maturity	Fruit fly	<ul style="list-style-type: none"> ❖ Collect & dispose rotten fallen fruits/ install fruitfly traps
LIVESTOCKS			
Livestock	Stage	Disease	Precautionary Practices to be followed
Pigs	All stages	Swine fever	<ul style="list-style-type: none"> ❖ Make sure they have adequate dry bedding, lethargic pigs may have pneumonia-check temperature ❖ Care pregnant animals, ❖ Provide proper bedding materials and close all the ventilations in the house to avoid cold waves at night.
Poultry	All stages		<ul style="list-style-type: none"> ❖ Provide adequate bedding materials & warmth@ 2watts/chick & close all ventilations. ❖ Provide adequate potable drinking water
Cattle	All stages		<ul style="list-style-type: none"> ❖ Provide paddy straws for cushioning to the newly born calves, ❖ Lighting to maintain warmth in the shade, ❖ As green feeds supply will decrease, provide quality feeds,

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(Period: 23rd to 28th November, 2018)

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Dated: Fri, 23rd November, 2018



Gramin Krishi Mausam Sewa

ICAR Research Complex for NEH Region, Arunachal Pradesh Centre, Basar-791101

ADVISORY FOR BLOCK: DARING

{Latitude: 28°11.651' / Longitude: 94°45.712' / Altitude: 350-450 amsl}

Weather summary of the previous week	Weather forecast valid up to 28 th November 2018
NA	Generally clear/dry weather forecasted. Daily maximum and minimum temperature for the following period is predicted to be 26-28°C and 13-15°C respectively. Expected morning and evening relative humidity will be 54-74% and 19-29% respectively. Wind direction is mainly NNW with average wind speed range of 4 kmph.
Warning:	•

GENERAL RECOMMENDATIONS

- Monitor for possible attack of insects/pests
- Application of fertilizers/manure can be done during clear/dry days
- Proper drainage to all crop to avoid runoff
- Check of vaccination schedule in poultry/livestock

DETAILS OF ADVISORIES FOR THE PERIOD

Crop	Stage	Pest/Disease	Precautionary Practices to be followed
FIELD CROPS			
Mustard	Sowing/ Vegetative	Aphids	<ul style="list-style-type: none"> ❖ Sowing recommended ❖ Spray Indofil^m-45@2.5g/l as preventive measure against alternaria blight and dimethoate 30 EC@3ml/lit for aphid in mustard.
WRC rice – Main crop (Mipun)	Maturing	Gundhi bug Rat	<ul style="list-style-type: none"> ❖ Harvesting of the standing crop is advised only during clear/dry days, ❖ Threshing and proper sun-drying is important ❖ Herein, farmers are advised not to kill snakes as far as possible, as they are the main biological agent which check rodent population,
Black Gram/ Green Gram/ Pea	Vegetative	Powdery Mildew	<ul style="list-style-type: none"> ❖ Need based foliar spray of Sulfex@2g/lit water to control powdery mildew in black/green gram/pea.
VEGETABLES			
Potato	Vegetative		<ul style="list-style-type: none"> ❖ Weeding and application of fertilizer as per recommended doses is suggested in potato.
Brinjal	Fruiting	Brinjal Shoot and Fruit Borer	<ul style="list-style-type: none"> ❖ Periodical hand picking of dead shoots and fruits and its destruction,
Cauliflower /Cabbage/Knolk hol/Broccoli/	Vegetative	Cut worm/ Damping off	<ul style="list-style-type: none"> ❖ Spray micronutrients (multiplex@ 0.2%) to control nutritional deficiency in cole crops/vegetables. ❖ Maintain proper moisture level in the crop field, ❖ Due to wet environment there is possibility of attack of Cut worm. If infestation is very high, to protect the seedlings apply Carbaryl (Sevin) 5% as bait @ 10 kg per acre.
HORTICULTURAL CROPS			
Large Cardamom	Vegetative		<ul style="list-style-type: none"> ❖ Remove dry/diseased/old tillers & branches & spray Bio NPK@ 2ml/lit water for proper growth.
Citrus	Fruiting/ maturity	Fruit fly	<ul style="list-style-type: none"> ❖ Collect & dispose rotten fallen fruits/ install fruitfly traps
LIVESTOCKS			
Livestock	Stage	Disease	Precautionary Practices to be followed
Pigs	All stages	Swine fever	<ul style="list-style-type: none"> ❖ Make sure they have adequate dry bedding, lethargic pigs may have pneumonia-check temperature ❖ Care pregnant animals, ❖ Provide proper bedding materials and close all the ventilations in the house to avoid cold waves at night.
Poultry	All stages		<ul style="list-style-type: none"> ❖ Provide adequate bedding materials & warmth@ 2watts/chick & close all ventilations. ❖ Provide adequate potable drinking water
Cattle	All stages		<ul style="list-style-type: none"> ❖ Provide paddy straws for cushioning to the newly born calves, ❖ Lighting to maintain warmth in the shade, ❖ As green feeds supply will decrease, provide quality feeds,

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Gramin Krishi Mausam Sewa

ICAR Research Complex for NEH Region, Arunachal Pradesh Centre, Basar-791101

ADVISORY FOR DISTRICT: UPPER DIBANG VALLEY

{Anini: Latitude: 28.2179994/Longitude: 94.7277528/Altitude: 1968 masl}

Weather summary of the previous week	Weather forecast valid up to 28 th November 2018
Rainfall = 0.0 mm	Generally clear/dry weather forecasted. Daily maximum and minimum temperature for the following period is predicted to be 27.3-29.2°C and 14.0-15.4°C respectively. Expected morning and evening relative humidity will be 80-90% and 45-50% respectively. Wind direction is mainly ESE & SE with average wind speed range of 8.8-11.8 kmph.
Warning:	•

GENERAL RECOMMENDATIONS

- Monitor for possible attack of insects/pests
- Application of fertilizers/manure can be done during clear/dry days
- Proper drainage to all crop to avoid runoff
- Check of vaccination schedule in poultry/livestock

DETAILS OF ADVISORIES FOR THE PERIOD

Crop	Stage	Pest/Disease	Precautionary Practices to be followed
FIELD CROPS			
Kharif Rice (Normal transplanted)	Physiological maturity/harvesting		<ul style="list-style-type: none"> ❖ Harvesting of the standing crop is advised in a priority basis. ❖ Sun-dry the harvested crop before storage. ❖ Drain excess water in the field 7-10 days before harvesting to hasten maturity & improve harvesting condition. This would also enable early & easy preparation of field for next crop(Rabi),
Black Gram & Green Gram	Vegetative	Leaf eating insects/ Powdery mildew	<ul style="list-style-type: none"> ❖ Monitor for possible attack of leaf-eating insects ❖ Spray Azadirachtin 0.15% EC 2@ 6ml/lit against leaf eating insects in vegetables ❖ Need based foliar spray of Sulfex@2g/lit water to control powdery mildew
Pea	Sowing	Cut worm	<ul style="list-style-type: none"> ❖ Sowing of quality seed may be done at the earliest ❖ When damage level is high application of Lannate 40 SP @ 5 gram per 10 litre of water may be done,
VEGETABLES			
Carrot	Sowing		<ul style="list-style-type: none"> • For better germination soak seed in water overnight, shade dry and sow right away.
Cabbage/ Cauliflower/ Knolkhol/ Others	Transplanting/ Vegetative		<ul style="list-style-type: none"> ❖ Spray Azadirachtin 0.03% (neem oil based WSP) @ 5lit/1000lit water/ha against Aphids, DBM, Cabbage Worm, Cabbage looper etc. ❖ Transplanting of healthy seedlings may be done in well prepared field, ❖ Provide proper drainage in nursery/field
HORTICULTURAL CROPS			
Citrus	Fruiting/ maturity	Fruit fly	<ul style="list-style-type: none"> ❖ Collect & dispose rotten fallen fruits/ install fruitfly traps
Peach	Vegetative (harvesting over)		<ul style="list-style-type: none"> ❖ Training & pruning of diseased/criss-cross branches to harvest more solar energy & for proper growth.
LIVESTOCKS			
Livestock	Stage	Disease	Precautionary Practices to be followed
Poultry	All stages		<ul style="list-style-type: none"> ❖ Provide adequate bedding materials & warmth@ 2watts/chick & close all ventilations. ❖ Vaccination of birds as per the recommended age, ❖ Avoid dampness, litter should be periodically changed. ❖ Provide clean and fresh water daily. ❖ Artificial heating through lighting of electric bulb during night time to protect the poultry birds (day old to 25 days old) from low temperature.
Fish	-		<ul style="list-style-type: none"> ❖ Partial harvesting, ❖ Frequent stirring of pond water and keep pond free of weeds and others
Pig	All stages		<ul style="list-style-type: none"> ❖ Deworming at regular interval

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Gramin Krishi Mausam Sewa
 ICAR Research Complex for NEH Region, Arunachal Pradesh Centre, Basar-791101

ADVISORY FOR DISTRICT: EAST KAMENG

Weather summary of the previous week	Weather forecast valid up to 28 th November 2018
Rainfall = 0.0 mm	Generally clear/dry weather forecasted. Daily maximum and minimum temperature for the following period is predicted to be 26.4-29.6°C and 15.6-16.6°C respectively. Expected morning and evening relative humidity will be 78-87% and 44-49% respectively. Wind direction is mainly SW & SSW with average wind speed range of 6.7-7.3 kmph.
Warning:	•

GENERAL RECOMMENDATIONS

- Monitor for possible attack of insects/pests
- Application of fertilizers/manure can be done during clear/dry days
- Proper drainage to all crop to avoid runoff
- Check of vaccination schedule in poultry/livestock

DETAILS OF ADVISORIES FOR THE PERIOD

Crop	Stage	Pest/Disease	Precautionary Practices to be followed
FIELD CROPS			
Mustard	Sowing/ Vegetative	Aphids	❖ Sowing recommended ❖ Spray Indofil ^m -45@2.5g/l as preventive measure against alternaria blight and dimethoate 30 EC@3ml/lit for aphid in mustard.
WRC rice – Main crop (Mipun)	Maturing	Gundhi bug Rat	❖ Harvesting of the standing crop is advised only during clear/dry days, ❖ Threshing and proper sun-drying is important ❖ Herein, farmers are advised not to kill snakes as far as possible, as they are the main biological agent which check rodent population,
Black Gram/ Green Gram/ Pea	Vegetative	Powdery Mildew	❖ Need based foliar spray of Sulfex@2g/lit water to control powdery mildew in black/green gram/pea.
VEGETABLES			
Potato	Vegetative		❖ Weeding and application of fertilizer as per recommended doses is suggested in potato.
Brinjal	Fruiting	Brinjal Shoot and Fruit Borer	❖ Periodical hand picking of dead shoots and fruits and its destruction,
Cauliflower /Cabbage/Knolk hol/Broccoli/	Vegetative	Cut worm/ Damping off	❖ Spray micronutrients (multiplex@ 0.2%) to control nutritional deficiency in cole crops/vegetables. ❖ Maintain proper moisture level in the crop field, ❖ Due to wet environment there is possibility of attack of Cut worm. If infestation is very high, to protect the seedlings apply Carbaryl (Sevin) 5% as bait @ 10 kg per acre.
HORTICULTURAL CROPS			
Large Cardamom	Vegetative		❖ Remove dry/diseased/old tillers & branches & spray Bio NPK@ 2ml/lit water for proper growth.
Citrus	Fruiting/ maturity	Fruit fly	❖ Collect & dispose rotten fallen fruits/ install fruitfly traps
LIVESTOCKS			
Livestock	Stage	Disease	Precautionary Practices to be followed
Pigs	All stages	Swine fever	❖ Make sure they have adequate dry bedding, lethargic pigs may have pneumonia-check temperature ❖ Care pregnant animals, ❖ Provide proper bedding materials and close all the ventilations in the house to avoid cold waves at night.
Poultry	All stages		❖ Provide adequate bedding materials & warmth@ 2watts/chick & close all ventilations. ❖ Provide adequate potable drinking water
Cattle	All stages		❖ Provide paddy straws for cushioning to the newly born calves, ❖ Lighting to maintain warmth in the shade, ❖ As green feeds supply will decrease, provide quality feeds,

Contact Scientists (ICAR) or State Agril Staff or KVK staff for measures against adverse conditions or call at 03795-226237/226247



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Gramin Krishi Mausam Sewa
 ICAR Research Complex for NEH Region, Arunachal Pradesh Centre, Basar-791101

ADVISORY FOR DISTRICT: EAST SIANG

{Pasighat: Latitude: 28.0700/Longitude: 95.3300/Altitude: 153 masl}

Weather summary of the previous week	Weather forecast valid up to 28 th November 2018
Rainfall: 0.0 mm; T. Max: 27.0°C; T. Min: 17.0°C ; RH: 69-87%	Generally clear/dry weather forecasted. Daily maximum and minimum temperature for the following period is predicted to be 26.8-28.9°C and 12.9-14.4°C respectively. Expected morning and evening relative humidity will be 78-87% and 46-54% respectively. Wind direction is mainly WSW with average wind speed range of 5.4-5.8 kmph.
Warning:	•

GENERAL RECOMMENDATIONS

- Monitor for possible attack of insects/pests
- Application of fertilizers/manure can be done during clear/dry days
- Proper drainage to all crop to avoid runoff
- Check of vaccination schedule in poultry/livestock

DETAILS OF ADVISORIES FOR THE PERIOD

Crop	Stage	Pest/Disease	Precautionary Practices to be followed
FIELD CROPS			
Mustard	Sowing/ Vegetative	Aphids	<ul style="list-style-type: none"> ❖ Sowing recommended ❖ Spray Indofilm-45@2.5g/l as preventive measure against alternaria blight and dimethoate 30 EC@3ml/lit for aphid in mustard.
WRC rice – Main crop (Mipun)	Maturing	Gundhi bug Rat	<ul style="list-style-type: none"> ❖ Harvesting of the standing crop is advised only during clear/dry days, ❖ Threshing and proper sun-drying is important ❖ Herein, farmers are advised not to kill snakes as far as possible, as they are the main biological agent which check rodent population,
Black Gram/ Green Gram/ Pea	Vegetative	Powdery Mildew	<ul style="list-style-type: none"> ❖ Need based foliar spray of Sulfex@2g/lit water to control powdery mildew in black/green gram/pea.
VEGETABLES			
Potato	Vegetative		<ul style="list-style-type: none"> ❖ Weeding and application of fertilizer as per recommended doses is suggested in potato.
Brinjal	Fruiting	Brinjal Shoot and Fruit Borer	<ul style="list-style-type: none"> ❖ Periodical hand picking of dead shoots and fruits and its destruction,
Cauliflower /Cabbage/Knolkhol/Broccoli/	Vegetative	Cut worm/ Damping off	<ul style="list-style-type: none"> ❖ Spray micronutrients (multiplex@ 0.2%) to control nutritional deficiency in cole crops/vegetables. ❖ Maintain proper moisture level in the crop field, ❖ Due to wet environment there is possibility of attack of Cut worm. If infestation is very high, to protect the seedlings apply Carbaryl (Sevin) 5% as bait @ 10 kg per acre.
HORTICULTURAL CROPS			
Large Cardamom	Vegetative		<ul style="list-style-type: none"> ❖ Remove dry/diseased/old tillers & branches & spray Bio NPK@ 2ml/lit water for proper growth.
Citrus	Fruiting/ maturity	Fruit fly	<ul style="list-style-type: none"> ❖ Collect & dispose rotten fallen fruits/ install fruitfly traps
LIVESTOCKS			
Livestock	Stage	Disease	Precautionary Practices to be followed
Pigs	All stages	Swine fever	<ul style="list-style-type: none"> ❖ Make sure they have adequate dry bedding, lethargic pigs may have pneumonia-check temperature ❖ Care pregnant animals, ❖ Provide proper bedding materials and close all the ventilations in the house to avoid cold waves at night.
Poultry	All stages		<ul style="list-style-type: none"> ❖ Provide adequate bedding materials & warmth@ 2watts/chick & close all ventilations. ❖ Provide adequate potable drinking water
Cattle	All stages		<ul style="list-style-type: none"> ❖ Provide paddy straws for cushioning to the newly born calves, ❖ Lighting to maintain warmth in the shade, ❖ As green feeds supply will decrease, provide quality feeds,
Contact Scientists (ICAR) or State Agril Staff or KVK staff for measures against adverse conditions or call at 03795-226237/226247			



Block Level Experimental Agro-met Advisory Bulletin

(Period: 23rd to 28th November, 2018)

No: AMFU-Basar/2018/43

Dated: Fri, 23rd November, 2018



Gramin Krishi Mausam Sewa

ICAR Research Complex for NEH Region, Arunachal Pradesh Centre, Basar-791101

ADVISORY FOR BLOCK: GENSI

{Latitude: 27°48.044' / Longitude: 94°43.409' / Altitude: 750-850 amsl}

Weather summary of the previous week	Weather forecast valid up to 28 th November 2018
NA	Generally clear/dry weather forecasted. Daily maximum and minimum temperature for the following period is predicted to be 25-27°C and 12-15°C respectively. Expected morning and evening relative humidity will be 60-79% and 24-34% respectively. Wind direction is mainly NNW with average wind speed range of 4-5 kmph.
Warning:	•

GENERAL RECOMMENDATIONS

- Monitor for possible attack of insects/pests
- Application of fertilizers/manure can be done during clear/dry days
- Proper drainage to all crop to avoid runoff
- Check of vaccination schedule in poultry/livestock

DETAILS OF ADVISORIES FOR THE PERIOD

Crop	Stage	Pest/Disease	Precautionary Practices to be followed
FIELD CROPS			
Kharif Rice (Normal transplanted)	Physiological maturity/harvesting		<ul style="list-style-type: none"> ❖ Harvesting of the standing crop is advised in a priority basis. ❖ Sun-dry the harvested crop before storage. ❖ Drain excess water in the field 7-10 days before harvesting to hasten maturity & improve harvesting condition. This would also enable early & easy preparation of field for next crop(Rabi),
Black Gram & Green Gram	Vegetative	Leaf eating insects/ Powdery mildew	<ul style="list-style-type: none"> ❖ Monitor for possible attack of leaf-eating insects ❖ Spray Azadirachtin 0.15% EC 2@ 6ml/lit against leaf eating insects in vegetables ❖ Need based foliar spray of Sulfex@2g/lit water to control powdery mildew
Pea	Sowing	Cut worm	<ul style="list-style-type: none"> ❖ Sowing of quality seed may be done at the earliest ❖ When damage level is high application of Lannate 40 SP @ 5 gram per 10 litre of water may be done,
VEGETABLES			
Carrot	Sowing		<ul style="list-style-type: none"> ❖ For better germination soak seed in water overnight, shade dry and sow right away.
Cabbage/ Cauliflower/ Knolkhol/ Others	Transplanting/ Vegetative		<ul style="list-style-type: none"> ❖ Spray Azadirachtin 0.03% (neem oil based WSP) @ 5lit/1000lit water/ha against Aphids, DBM, Cabbage Worm, Cabbage looper etc. ❖ Transplanting of healthy seedlings may be done in well prepared field, ❖ Provide proper drainage in nursery/field
HORTICULTURAL CROPS			
Citrus	Fruiting/ maturity	Fruit fly	<ul style="list-style-type: none"> ❖ Collect & dispose rotten fallen fruits/ install fruitfly traps
Peach	Vegetative (harvesting over)		<ul style="list-style-type: none"> ❖ Training & pruning of diseased/criss-cross branches to harvest more solar energy & for proper growth.
LIVESTOCKS			
Livestock	Stage	Disease	Precautionary Practices to be followed
Poultry	All stages		<ul style="list-style-type: none"> ❖ Provide adequate bedding materials & warmth@ 2watts/chick & close all ventilations. ❖ Vaccination of birds as per the recommended age, ❖ Avoid dampness, litter should be periodically changed. ❖ Provide clean and fresh water daily. ❖ Artificial heating through lighting of electric bulb during night time to protect the poultry birds (day old to 25 days old) from low temperature.
Pig	All stages		<ul style="list-style-type: none"> ❖ Deworming at regular interval

Contact Scientists (ICAR) or State Agril Staff or KVK staff for measures against adverse conditions or call at 03795-226237/226247



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(Period: 23rd to 28th November, 2018)

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Dated: Fri, 23rd November, 2018



Gramin Krishi Mausam Sewa
 ICAR Research Complex for NEH Region, Arunachal Pradesh Centre, Basar-791101

ADVISORY FOR DISTRICT: KURUNG KUMEY

{Koloriang: Latitude: 27.9167°/Longitude: 93.3500°/Altitude: 1040 masl}

Weather summary of the previous week	Weather forecast valid up to 28 th November 2018
Rainfall (Koloriang): 0.0 mm	Generally clear/dry weather forecasted. Daily maximum and minimum temperature for the following period is predicted to be 26.3-30.5°C and 8.9-10.4°C respectively. Expected morning and evening relative humidity will be 75-90% and 45-49% respectively. Wind direction is mainly WNW & NW with average wind speed range of 7.4-9.6 kmph.
Warning:	•

GENERAL RECOMMENDATIONS

- Monitor for possible attack of insects/pests
- Application of fertilizers/manure can be done during clear/dry days
- Proper drainage to all crop to avoid runoff
- Check of vaccination schedule in poultry/livestock

DETAILS OF ADVISORIES FOR THE PERIOD

Crop	Stage	Pest/Disease	Precautionary Practices to be followed
FIELD CROPS			
Kharif Rice (Normal transplanted)	Physiological maturity/harvesting		<ul style="list-style-type: none"> ❖ Harvesting of the standing crop is advised in a priority basis. ❖ Sun-dry the harvested crop before storage. ❖ Drain excess water in the field 7-10 days before harvesting to hasten maturity & improve harvesting condition. This would also enable early & easy preparation of field for next crop(Rabi),
Black Gram & Green Gram	Vegetative	Leaf eating insects/ Powdery mildew	<ul style="list-style-type: none"> ❖ Monitor for possible attack of leaf-eating insects ❖ Spray Azadirachtin 0.15% EC 2@ 6ml/lit against leaf eating insects in vegetables ❖ Need based foliar spray of Sulfex@2g/lit water to control powdery mildew
Pea	Sowing	Cut worm	<ul style="list-style-type: none"> ❖ Sowing of quality seed may be done at the earliest ❖ When damage level is high application of Lannate 40 SP @ 5 gram per 10 litre of water may be done,
VEGETABLES			
Carrot	Sowing		<ul style="list-style-type: none"> • For better germination soak seed in water overnight, shade dry and sow right away.
Cabbage/ Cauliflower/ Knolkhol/ Others	Transplanting/ Vegetative		<ul style="list-style-type: none"> ❖ Spray Azadirachtin 0.03% (neem oil based WSP) @ 5lit/1000lit water/ha against Aphids, DBM, Cabbage Worm, Cabbage looper etc. ❖ Transplanting of healthy seedlings may be done in well prepared field, ❖ Provide proper drainage in nursery/field
HORTICULTURAL CROPS			
Citrus	Fruiting/ maturity	Fruit fly	<ul style="list-style-type: none"> ❖ Collect & dispose rotten fallen fruits/ install fruitfly traps
Peach	Vegetative (harvesting over)		<ul style="list-style-type: none"> ❖ Training & pruning of diseased/criss-cross branches to harvest more solar energy & for proper growth.
LIVESTOCKS			
Livestock	Stage	Disease	Precautionary Practices to be followed
Poultry	All stages		<ul style="list-style-type: none"> ❖ Provide adequate bedding materials & warmth@ 2watts/chick & close all ventilations. ❖ Vaccination of birds as per the recommended age, ❖ Avoid dampness, litter should be periodically changed. ❖ Provide clean and fresh water daily. ❖ Artificial heating through lighting of electric bulb during night time to protect the poultry birds (day old to 25 days old) from low temperature.
Fish	-		<ul style="list-style-type: none"> ❖ Partial harvesting, ❖ Frequent stirring of pond water and keep pond free of weeds and others
Pig	All stages		<ul style="list-style-type: none"> ❖ Deworming at regular interval

Contact Scientists (ICAR) or State Agril Staff or KVK staff for measures against adverse conditions or call at 03795-226237/226247



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Gramin Krishi Mausam Sewa

ICAR Research Complex for NEH Region, Arunachal Pradesh Centre, Basar-791101

ADVISORY FOR BLOCK: LIKABALI-KANGKU

{Latitude: 27°59.56' / Longitude: 94°76.79' / Altitude: 150-250 amsl}

Weather summary of the previous week	Weather forecast valid up to 28 th November 2018
NA	Generally clear/dry weather forecasted. Daily maximum and minimum temperature for the following period is predicted to be 25-26°C and 14-15°C respectively. Expected morning and evening relative humidity will be 64-74% and 35-42% respectively. Wind direction is mainly NNW with average wind speed range of 4-5 kmph.
Warning:	•

GENERAL RECOMMENDATIONS

- Monitor for possible attack of insects/pests
- Do not go for fertilizer/manure applications
- Proper drainage to all crop to avoid runoff
- Check of vaccination schedule in poultry/livestock

DETAILS OF ADVISORIES FOR THE PERIOD

Crop	Stage	Pest/Disease	Precautionary Practices to be followed
FIELD CROPS			
Mustard	Sowing/ Vegetative	Aphids	<ul style="list-style-type: none"> ❖ Sowing recommended ❖ Spray Indofil^m-45@2.5g/l as preventive measure against alternaria blight and dimethoate 30 EC@3ml/lit for aphid in mustard.
WRC rice – Main crop (Mipun)	Maturing	Gundhi bug Rat	<ul style="list-style-type: none"> ❖ Harvesting of the standing crop is advised only during clear/dry days, ❖ Threshing and proper sun-drying is important ❖ Herein, farmers are advised not to kill snakes as far as possible, as they are the main biological agent which check rodent population,
Black Gram/ Green Gram/ Pea	Vegetative	Powdery Mildew	<ul style="list-style-type: none"> ❖ Need based foliar spray of Sulfex@2g/lit water to control powdery mildew in black/green gram/pea.
VEGETABLES			
Potato	Vegetative		<ul style="list-style-type: none"> ❖ Weeding and application of fertilizer as per recommended doses is suggested in potato.
Brinjal	Fruiting	Brinjal Shoot and Fruit Borer	<ul style="list-style-type: none"> ❖ Periodical hand picking of dead shoots and fruits and its destruction,
Cauliflower /Cabbage/Knolk hol/Broccoli/	Vegetative	Cut worm/ Damping off	<ul style="list-style-type: none"> ❖ Spray micronutrients (multiplex@ 0.2%) to control nutritional deficiency in cole crops/vegetables. ❖ Maintain proper moisture level in the crop field, ❖ Due to wet environment there is possibility of attack of Cut worm. If infestation is very high, to protect the seedlings apply Carbaryl (Sevin) 5% as bait @ 10 kg per acre.
HORTICULTURAL CROPS			
Large Cardamom	Vegetative		<ul style="list-style-type: none"> ❖ Remove dry/diseased/old tillers & branches & spray Bio NPK@ 2ml/lit water for proper growth.
Citrus	Fruiting/ maturity	Fruit fly	<ul style="list-style-type: none"> ❖ Collect & dispose rotten fallen fruits/ install fruitfly traps
LIVESTOCKS			
Livestock	Stage	Disease	Precautionary Practices to be followed
Pigs	All stages	Swine fever	<ul style="list-style-type: none"> ❖ Make sure they have adequate dry bedding, lethargic pigs may have pneumonia-check temperature ❖ Care pregnant animals, ❖ Provide proper bedding materials and close all the ventilations in the house to avoid cold waves at night.
Poultry	All stages		<ul style="list-style-type: none"> ❖ Provide adequate bedding materials & warmth@ 2watts/chick & close all ventilations. ❖ Provide adequate potable drinking water
Cattle	All stages		<ul style="list-style-type: none"> ❖ Provide paddy straws for cushioning to the newly born calves, ❖ Lighting to maintain warmth in the shade, ❖ As green feeds supply will decrease, provide quality feeds,

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 ICAR Research Complex for NEH Region, Arunachal Pradesh Centre, Basar-791101

ADVISORY FOR DISTRICT: LOHIT

Weather summary of the previous week	Weather forecast valid up to 28 th November 2018
Rainfall: 0.0 mm (Tezu)	Generally clear/dry weather forecasted. Daily maximum and minimum temperature for the following period is predicted to be 26.2-27.8°C and 14.1-15.1°C respectively. Expected morning and evening relative humidity will be 79-90% and 44-49% respectively. Wind direction is mainly NE average wind speed range of 6.9-7.9 kmph.
Warning	•

GENERAL RECOMMENDATIONS

- Monitor for possible attack of insects/pests
- Application of fertilizers/manure can be done during clear/dry days
- Proper drainage to all crop to avoid runoff
- Check of vaccination schedule in poultry/livestock

DETAILS OF ADVISORIES FOR THE PERIOD

Crop	Stage	Pest/Disease	Precautionary Practices to be followed
FIELD CROPS			
Mustard	Sowing/ Vegetative	Aphids	<ul style="list-style-type: none"> ❖ Sowing recommended ❖ Spray Indofil^m-45@2.5g/l as preventive measure against alternaria blight and dimethoate 30 EC@3ml/lit for aphid in mustard.
WRC rice – Main crop (Mipun)	Maturing	Gundhi bug Rat	<ul style="list-style-type: none"> ❖ Harvesting of the standing crop is advised only during clear/dry days, ❖ Threshing and proper sun-drying is important ❖ Herein, farmers are advised not to kill snakes as far as possible, as they are the main biological agent which check rodent population,
Black Gram/ Green Gram/ Pea	Vegetative	Powdery Mildew	<ul style="list-style-type: none"> ❖ Need based foliar spray of Sulfex@2g/lit water to control powdery mildew in black/green gram/pea.
VEGETABLES			
Potato	Vegetative		<ul style="list-style-type: none"> ❖ Weeding and application of fertilizer as per recommended doses is suggested in potato.
Brinjal	Fruiting	Brinjal Shoot and Fruit Borer	<ul style="list-style-type: none"> ❖ Periodical hand picking of dead shoots and fruits and its destruction,
Cauliflower /Cabbage/Knolk hol/Broccoli/	Vegetative	Cut worm/ Damping off	<ul style="list-style-type: none"> ❖ Spray micronutrients (multiplex@ 0.2%) to control nutritional deficiency in cole crops/vegetables. ❖ Maintain proper moisture level in the crop field, ❖ Due to wet environment there is possibility of attack of Cut worm. If infestation is very high, to protect the seedlings apply Carbaryl (Sevin) 5% as bait @ 10 kg per acre.
HORTICULTURAL CROPS			
Large Cardamom	Vegetative		<ul style="list-style-type: none"> ❖ Remove dry/diseased/old tillers & branches & spray Bio NPK@ 2ml/lit water for proper growth.
Citrus	Fruiting/ maturity	Fruit fly	<ul style="list-style-type: none"> ❖ Collect & dispose rotten fallen fruits/ install fruitfly traps
LIVESTOCKS			
Livestock	Stage	Disease	Precautionary Practices to be followed
Pigs	All stages	Swine fever	<ul style="list-style-type: none"> ❖ Make sure they have adequate dry bedding, lethargic pigs may have pneumonia-check temperature ❖ Care pregnant animals, ❖ Provide proper bedding materials and close all the ventilations in the house to avoid cold waves at night.
Poultry	All stages		<ul style="list-style-type: none"> ❖ Provide adequate bedding materials & warmth@ 2watts/chick & close all ventilations. ❖ Provide adequate potable drinking water
Cattle	All stages		<ul style="list-style-type: none"> ❖ Provide paddy straws for cushioning to the newly born calves, ❖ Lighting to maintain warmth in the shade, ❖ As green feeds supply will decrease, provide quality feeds,
Contact Scientists (ICAR) or State Agril Staff or KVK staff for measures against adverse conditions or call at 03795-226237/226247			



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 ICAR Research Complex for NEH Region, Arunachal Pradesh Centre, Basar-791101

ADVISORY FOR DISTRICT: LOWER DIBANG VALLEY

Weather summary of the previous week	Weather forecast valid up to 28 th November 2018
Rainfall (Roing): 0.0 mm	Generally clear/dry weather forecasted. Daily maximum and minimum temperature for the following period is predicted to be 27.3-29.1°C and 14.3-15.1°C respectively. Expected morning and evening relative humidity will be 75-89% and 40-49% respectively. Wind direction is mainly SE & SSE with average wind speed range of 7.4.-8.5 kmph.
Warning:	•

GENERAL RECOMMENDATIONS

- Monitor for possible attack of insects/pests
- Application of fertilizers/manure can be done during clear/dry days
- Proper drainage to all crop to avoid runoff
- Check of vaccination schedule in poultry/livestock

DETAILS OF ADVISORIES FOR THE PERIOD

Crop	Stage	Pest/Disease	Precautionary Practices to be followed
FIELD CROPS			
Mustard	Sowing/ Vegetative	Aphids	❖ Sowing recommended ❖ Spray Indofil ^m -45@2.5g/l as preventive measure against alternaria blight and dimethoate 30 EC@3ml/lit for aphid in mustard.
WRC rice – Main crop (Mipun)	Maturing	Gundhi bug Rat	❖ Harvesting of the standing crop is advised only during clear/dry days, ❖ Threshing and proper sun-drying is important ❖ Herein, farmers are advised not to kill snakes as far as possible, as they are the main biological agent which check rodent population,
Black Gram/ Green Gram/ Pea	Vegetative	Powdery Mildew	❖ Need based foliar spray of Sulfex@2g/lit water to control powdery mildew in black/green gram/pea.
VEGETABLES			
Potato	Vegetative		❖ Weeding and application of fertilizer as per recommended doses is suggested in potato.
Brinjal	Fruiting	Brinjal Shoot and Fruit Borer	❖ Periodical hand picking of dead shoots and fruits and its destruction,
Cauliflower /Cabbage/Knolk hol/Broccoli/	Vegetative	Cut worm/ Damping off	❖ Spray micronutrients (multiplex@ 0.2%) to control nutritional deficiency in cole crops/vegetables. ❖ Maintain proper moisture level in the crop field, ❖ Due to wet environment there is possibility of attack of Cut worm. If infestation is very high, to protect the seedlings apply Carbaryl (Sevin) 5% as bait @ 10 kg per acre.
HORTICULTURAL CROPS			
Large Cardamom	Vegetative		❖ Remove dry/diseased/old tillers & branches & spray Bio NPK@ 2ml/lit water for proper growth.
Citrus	Fruiting/ maturity	Fruit fly	❖ Collect & dispose rotten fallen fruits/ install fruitfly traps
LIVESTOCKS			
Livestock	Stage	Disease	Precautionary Practices to be followed
Pigs	All stages	Swine fever	❖ Make sure they have adequate dry bedding, lethargic pigs may have pneumonia-check temperature ❖ Care pregnant animals, ❖ Provide proper bedding materials and close all the ventilations in the house to avoid cold waves at night.
Poultry	All stages		❖ Provide adequate bedding materials & warmth@ 2watts/chick & close all ventilations. ❖ Provide adequate potable drinking water
Cattle	All stages		❖ Provide paddy straws for cushioning to the newly born calves, ❖ Lighting to maintain warmth in the shade, ❖ As green feeds supply will decrease, provide quality feeds,

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Gramin Krishi Mausam Sewa

ICAR Research Complex for NEH Region, Arunachal Pradesh Centre, Basar-791101

ADVISORY FOR DISTRICT: LOWER SUBANSIRI

Weather summary of the previous week	Weather forecast valid up to 28 th November 2018
NA	Generally clear/dry weather forecasted. Daily maximum and minimum temperature for the following period is predicted to be 28.1-31.3°C and 9.7-14.4°C respectively. Expected morning and evening relative humidity will be 74-89% and 44-49% respectively. Wind direction is mainly NW & WNW with average wind speed range of 6.6-7.2 kmph.
Warning:	•

GENERAL RECOMMENDATIONS

- Monitor for possible attack of insects/pests
- Application of fertilizers/manure can be done during clear/dry days
- Proper drainage to all crop to avoid runoff
- Check of vaccination schedule in poultry/livestock

DETAILS OF ADVISORIES FOR THE PERIOD

Crop	Stage	Pest/Disease	Precautionary Practices to be followed
FIELD CROPS			
Kharif Rice (Normal transplanted)	Physiological maturity/harvesting		<ul style="list-style-type: none"> ❖ Harvesting of the standing crop is advised in a priority basis. ❖ Sun-dry the harvested crop before storage. ❖ Drain excess water in the field 7-10 days before harvesting to hasten maturity & improve harvesting condition. This would also enable early & easy preparation of field for next crop(Rabi),
Black Gram & Green Gram	Vegetative	Leaf eating insects/ Powdery mildew	<ul style="list-style-type: none"> ❖ Monitor for possible attack of leaf-eating insects ❖ Spray Azadirachtin 0.15% EC 2@ 6ml/lit against leaf eating insects in vegetables ❖ Need based foliar spray of Sulfex@2g/lit water to control powdery mildew
Pea	Sowing	Cut worm	<ul style="list-style-type: none"> ❖ Sowing of quality seed may be done at the earliest ❖ When damage level is high application of Lannate 40 SP @ 5 gram per 10 litre of water may be done,
VEGETABLES			
Carrot	Sowing		<ul style="list-style-type: none"> • For better germination soak seed in water overnight, shade dry and sow right away.
Cabbage/ Cauliflower/ Knolkhol/ Others	Transplanting/ Vegetative		<ul style="list-style-type: none"> ❖ Spray Azadirachtin 0.03% (neem oil based WSP) @ 5lit/1000lit water/ha against Aphids, DBM, Cabbage Worm, Cabbage looper etc. ❖ Transplanting of healthy seedlings may be done in well prepared field, ❖ Provide proper drainage in nursery/field
HORTICULTURAL CROPS			
Citrus	Fruiting/ maturity	Fruit fly	<ul style="list-style-type: none"> ❖ Collect & dispose rotten fallen fruits/ install fruitfly traps
Peach	Vegetative (harvesting over)		<ul style="list-style-type: none"> ❖ Training & pruning of diseased/criss-cross branches to harvest more solar energy & for proper growth.
LIVESTOCKS			
Livestock	Stage	Disease	Precautionary Practices to be followed
Poultry	All stages		<ul style="list-style-type: none"> ❖ Provide adequate bedding materials & warmth@ 2watts/chick & close all ventilations. ❖ Vaccination of birds as per the recommended age, ❖ Avoid dampness, litter should be periodically changed. ❖ Provide clean and fresh water daily. ❖ Artificial heating through lighting of electric bulb during night time to protect the poultry birds (day old to 25 days old) from low temperature.
Fish	-		<ul style="list-style-type: none"> ❖ Partial harvesting, ❖ Frequent stirring of pond water and keep pond free of weeds and others
Pig	All stages		<ul style="list-style-type: none"> ❖ Deworming at regular interval

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 ICAR Research Complex for NEH Region, Arunachal Pradesh Centre, Basar-791101

ADVISORY FOR DISTRICT: PAPUM PARE

Weather summary of the previous week	Weather forecast valid up to 28 th November 2018
Rainfall: 0.0 mm; T. Max: 29.0°C; T. Min: 14.0°C ; RH: 59-87%	Generally clear/dry weather forecasted. Daily maximum and minimum temperature for the following period is predicted to be 27.3-29.3°C and 14.4-15.5°C respectively. Expected morning and evening relative humidity will be 79-87% and 45-49% respectively. Wind direction is mainly SSW & SW with average wind speed range of 5.8-6.0 kmph.
Warning:	•

GENERAL RECOMMENDATIONS

- Monitor for possible attack of insects/pests
- Application of fertilizers/manure can be done during clear/dry days
- Proper drainage to all crop to avoid runoff
- Check of vaccination schedule in poultry/livestock

DETAILS OF ADVISORIES FOR THE PERIOD

Crop	Stage	Pest/Disease	Precautionary Practices to be followed
FIELD CROPS			
Mustard	Sowing/ Vegetative	Aphids	<ul style="list-style-type: none"> ❖ Sowing recommended ❖ Spray Indofil^m-45@2.5g/l as preventive measure against alternaria blight and dimethoate 30 EC@3ml/lit for aphid in mustard.
WRC rice – Main crop (Mipun)	Maturing	Gundhi bug Rat	<ul style="list-style-type: none"> ❖ Harvesting of the standing crop is advised only during clear/dry days, ❖ Threshing and proper sun-drying is important ❖ Herein, farmers are advised not to kill snakes as far as possible, as they are the main biological agent which check rodent population,
Black Gram/ Green Gram/ Pea	Vegetative	Powdery Mildew	<ul style="list-style-type: none"> ❖ Need based foliar spray of Sulfex@2g/lit water to control powdery mildew in black/green gram/pea.
VEGETABLES			
Potato	Vegetative		<ul style="list-style-type: none"> ❖ Weeding and application of fertilizer as per recommended doses is suggested in potato.
Brinjal	Fruiting	Brinjal Shoot and Fruit Borer	<ul style="list-style-type: none"> ❖ Periodical hand picking of dead shoots and fruits and its destruction,
Cauliflower /Cabbage/Knolk hol/Broccoli/	Vegetative	Cut worm/ Damping off	<ul style="list-style-type: none"> ❖ Spray micronutrients (multiplex@ 0.2%) to control nutritional deficiency in cole crops/vegetables. ❖ Maintain proper moisture level in the crop field, ❖ Due to wet environment there is possibility of attack of Cut worm. If infestation is very high, to protect the seedlings apply Carbaryl (Sevin) 5% as bait @ 10 kg per acre.
HORTICULTURAL CROPS			
Large Cardamom	Vegetative		<ul style="list-style-type: none"> ❖ Remove dry/diseased/old tillers & branches & spray Bio NPK@ 2ml/lit water for proper growth.
Citrus	Fruiting/ maturity	Fruit fly	<ul style="list-style-type: none"> ❖ Collect & dispose rotten fallen fruits/ install fruitfly traps
LIVESTOCKS			
Livestock	Stage	Disease	Precautionary Practices to be followed
Pigs	All stages	Swine fever	<ul style="list-style-type: none"> ❖ Make sure they have adequate dry bedding, lethargic pigs may have pneumonia-check temperature ❖ Care pregnant animals, ❖ Provide proper bedding materials and close all the ventilations in the house to avoid cold waves at night.
Poultry	All stages		<ul style="list-style-type: none"> ❖ Provide adequate bedding materials & warmth@ 2watts/chick & close all ventilations. ❖ Provide adequate potable drinking water
Cattle	All stages		<ul style="list-style-type: none"> ❖ Provide paddy straws for cushioning to the newly born calves, ❖ Lighting to maintain warmth in the shade, ❖ As green feeds supply will decrease, provide quality feeds,
Contact Scientists (ICAR) or State Agril Staff or KVK staff for measures against adverse conditions or call at 03795-226237/226247			



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Gramin Krishi Mausam Sewa
 ICAR Research Complex for NEH Region, Arunachal Pradesh Centre, Basar-791101

ADVISORY FOR DISTRICT: TAWANG

Weather summary of the previous week	Weather forecast valid up to 28 th November 2018
Rainfall: 0.0 mm	Generally clear/dry weather forecasted. Daily maximum and minimum temperature for the following period is predicted to be 17.6-18.8°C and 2.5-3.5°C respectively. Expected morning and evening relative humidity will be 75-83% and 45-49% respectively. Wind direction is mainly E with average wind speed range of 8.4-11.7 kmph.
Warning:	•

GENERAL RECOMMENDATIONS

- Monitor for possible attack of insects/pests
- Application of fertilizers/manure can be done during clear/dry days
- Proper drainage to all crop to avoid runoff
- Check of vaccination schedule in poultry/livestock

DETAILS OF ADVISORIES FOR THE PERIOD

Crop	Stage	Pest/Disease	Precautionary Practices to be followed
FIELD CROPS			
Kharif Rice (Normal transplanted)	Physiological maturity/harvesting		<ul style="list-style-type: none"> ❖ Harvesting of the standing crop is advised in a priority basis. ❖ Sun-dry the harvested crop before storage. ❖ Drain excess water in the field 7-10 days before harvesting to hasten maturity & improve harvesting condition. This would also enable early & easy preparation of field for next crop(Rabi),
Black Gram & Green Gram	Vegetative	Leaf eating insects/ Powdery mildew	<ul style="list-style-type: none"> ❖ Monitor for possible attack of leaf-eating insects ❖ Spray Azadirachtin 0.15% EC 2@ 6ml/lit against leaf eating insects in vegetables ❖ Need based foliar spray of Sulfex@2g/lit water to control powdery mildew
Pea	Sowing	Cut worm	<ul style="list-style-type: none"> ❖ Sowing of quality seed may be done at the earliest ❖ When damage level is high application of Lannate 40 SP @ 5 gram per 10 litre of water may be done,
VEGETABLES			
Carrot	Sowing		<ul style="list-style-type: none"> • For better germination soak seed in water overnight, shade dry and sow right away.
Cabbage/ Cauliflower/ Knolkhol/ Others	Transplanting/ Vegetative		<ul style="list-style-type: none"> ❖ Spray Azadirachtin 0.03% (neem oil based WSP) @ 5lit/1000lit water/ha against Aphids, DBM, Cabbage Worm, Cabbage looper etc. ❖ Transplanting of healthy seedlings may be done in well prepared field, ❖ Provide proper drainage in nursery/field
HORTICULTURAL CROPS			
Citrus	Fruiting/ maturity	Fruit fly	<ul style="list-style-type: none"> ❖ Collect & dispose rotten fallen fruits/ install fruitfly traps
Peach	Vegetative (harvesting over)		<ul style="list-style-type: none"> ❖ Training & pruning of diseased/criss-cross branches to harvest more solar energy & for proper growth.
LIVESTOCKS			
Livestock	Stage	Disease	Precautionary Practices to be followed
Poultry	All stages		<ul style="list-style-type: none"> ❖ Provide adequate bedding materials & warmth@ 2watts/chick & close all ventilations. ❖ Vaccination of birds as per the recommended age, ❖ Avoid dampness, litter should be periodically changed. ❖ Provide clean and fresh water daily. ❖ Artificial heating through lighting of electric bulb during night time to protect the poultry birds (day old to 25 days old) from low temperature.
Fish	-		<ul style="list-style-type: none"> ❖ Partial harvesting, ❖ Frequent stirring of pond water and keep pond free of weeds and others
Pig	All stages		<ul style="list-style-type: none"> ❖ Deworming at regular interval

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ADVISORY FOR DISTRICT: TIRAP

Weather summary of the previous week	Weather forecast valid up to 28 th November 2018
Rainfall: 0.0 mm	Generally clear/dry weather forecasted. Daily maximum and minimum temperature for the following period is predicted to be 26.1-27.2°C and 13.8-14.2°C respectively. Expected morning and evening relative humidity will be 85-95% and 45-50% respectively. Wind direction is mainly ESE with average wind speed range of 4.0-4.5 kmph.
Warning:	•

GENERAL RECOMMENDATIONS

- Avoid all spray operations
- Application of fertilizers/manure may be avoided
- Proper drainage to all crop to avoid runoff
- Check of vaccination schedule in poultry/livestock

DETAILS OF ADVISORIES FOR THE PERIOD

Crop	Stage	Pest/Disease	Precautionary Practices to be followed
FIELD CROPS			
Mustard	Sowing/ Vegetative	Aphids	❖ Sowing recommended ❖ Spray Indofil ^m -45@2.5g/l as preventive measure against alternaria blight and dimethoate 30 EC@3ml/lit for aphid in mustard.
WRC rice – Main crop (Mipun)	Maturing	Gundhi bug Rat	❖ Harvesting of the standing crop is advised only during clear/dry days, ❖ Threshing and proper sun-drying is important ❖ Herein, farmers are advised not to kill snakes as far as possible, as they are the main biological agent which check rodent population,
Black Gram/ Green Gram/ Pea	Vegetative	Powdery Mildew	❖ Need based foliar spray of Sulfex@2g/lit water to control powdery mildew in black/green gram/pea.
VEGETABLES			
Potato	Vegetative		❖ Weeding and application of fertilizer as per recommended doses is suggested in potato.
Brinjal	Fruiting	Brinjal Shoot and Fruit Borer	❖ Periodical hand picking of dead shoots and fruits and its destruction,
Cauliflower /Cabbage/Knolk hol/Broccoli/	Vegetative	Cut worm/ Damping off	❖ Spray micronutrients (multiplex@ 0.2%) to control nutritional deficiency in cole crops/vegetables. ❖ Maintain proper moisture level in the crop field, ❖ Due to wet environment there is possibility of attack of Cut worm. If infestation is very high, to protect the seedlings apply Carbaryl (Sevin) 5% as bait @ 10 kg per acre.
HORTICULTURAL CROPS			
Large Cardamom	Vegetative		❖ Remove dry/diseased/old tillers & branches & spray Bio NPK@ 2ml/lit water for proper growth.
Citrus	Fruiting/ maturity	Fruit fly	❖ Collect & dispose rotten fallen fruits/ install fruitfly traps
LIVESTOCKS			
Livestock	Stage	Disease	Precautionary Practices to be followed
Pigs	All stages	Swine fever	❖ Make sure they have adequate dry bedding, lethargic pigs may have pneumonia-check temperature ❖ Care pregnant animals, ❖ Provide proper bedding materials and close all the ventilations in the house to avoid cold waves at night.
Poultry	All stages		❖ Provide adequate bedding materials & warmth@ 2watts/chick & close all ventilations. ❖ Provide adequate potable drinking water
Cattle	All stages		❖ Provide paddy straws for cushioning to the newly born calves, ❖ Lighting to maintain warmth in the shade, ❖ As green feeds supply will decrease, provide quality feeds,

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ADVISORY FOR DISTRICT: UPPER SIANG

Weather summary of the previous week	Weather forecast valid up to 28 th November 2018
Rainfall: 0.0 mm	Generally clear/dry weather forecasted Daily maximum and minimum temperature for the following period is predicted to be 27.5-30.0°C and 14.1-15.3°C respectively. Expected morning and evening relative humidity will be 85-87% and 41-48% respectively. Wind direction is mainly SW with average wind speed range of 7.4-10.2 kmph.
Warning:	

GENERAL RECOMMENDATIONS

- Monitor for possible attack of insects/pests
- Application of fertilizers/manure can be done during clear/dry days
- Proper drainage to all crop to avoid runoff
- Check of vaccination schedule in poultry/livestock

DETAILS OF ADVISORIES FOR THE PERIOD

Crop	Stage	Pest/Disease	Precautionary Practices to be followed
FIELD CROPS			
Kharif Rice (Normal transplanted)	Physiological maturity/harvesting		<ul style="list-style-type: none"> ❖ Harvesting of the standing crop is advised in a priority basis. ❖ Sun-dry the harvested crop before storage. ❖ Drain excess water in the field 7-10 days before harvesting to hasten maturity & improve harvesting condition. This would also enable early & easy preparation of field for next crop(Rabi),
Black Gram & Green Gram	Vegetative	Leaf eating insects/ Powdery mildew	<ul style="list-style-type: none"> ❖ Monitor for possible attack of leaf-eating insects ❖ Spray Azadirachtin 0.15% EC 2@ 6ml/lit against leaf eating insects in vegetables ❖ Need based foliar spray of Sulfex@2g/lit water to control powdery mildew
Pea	Sowing	Cut worm	<ul style="list-style-type: none"> ❖ Sowing of quality seed may be done at the earliest ❖ When damage level is high application of Lannate 40 SP @ 5 gram per 10 litre of water may be done,
VEGETABLES			
Carrot	Sowing		<ul style="list-style-type: none"> • For better germination soak seed in water overnight, shade dry and sow right away.
Cabbage/ Cauliflower/ Knolkhol/ Others	Transplanting/ Vegetative		<ul style="list-style-type: none"> ❖ Spray Azadirachtin 0.03% (neem oil based WSP) @ 5lit/1000lit water/ha against Aphids, DBM, Cabbage Worm, Cabbage looper etc. ❖ Transplanting of healthy seedlings may be done in well prepared field, ❖ Provide proper drainage in nursery/field
HORTICULTURAL CROPS			
Citrus	Fruiting/ maturity	Fruit fly	<ul style="list-style-type: none"> ❖ Collect & dispose rotten fallen fruits/ install fruitfly traps
Peach	Vegetative (harvesting over)		<ul style="list-style-type: none"> ❖ Training & pruning of diseased/criss-cross branches to harvest more solar energy & for proper growth.
LIVESTOCKS			
Livestock	Stage	Disease	Precautionary Practices to be followed
Poultry	All stages		<ul style="list-style-type: none"> ❖ Provide adequate bedding materials & warmth@ 2watts/chick & close all ventilations. ❖ Vaccination of birds as per the recommended age, ❖ Avoid dampness, litter should be periodically changed. ❖ Provide clean and fresh water daily. ❖ Artificial heating through lighting of electric bulb during night time to protect the poultry birds (day old to 25 days old) from low temperature.
Fish	-		<ul style="list-style-type: none"> ❖ Partial harvesting, ❖ Frequent stirring of pond water and keep pond free of weeds and others
Pig	All stages		<ul style="list-style-type: none"> ❖ Deworming at regular interval

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ADVISORY FOR DISTRICT: UPPER SUBANSIRI

Weather summary of the previous week	Weather forecast valid up to 28 th November 2018
Daporijo: NA	Generally clear/dry weather forecasted. Daily maximum and minimum temperature for the following period is predicted to be 28.1-30.6°C and 15.3-15.7°C respectively. Expected morning and evening relative humidity will be 72-86% and 45-50% respectively. Wind direction is mainly NNW with average wind speed range of 7.7-9.3 kmph.
Warning:	•

GENERAL RECOMMENDATIONS

- Monitor for possible attack of insects/pests
- Application of fertilizers/manure can be done during clear/dry days
- Proper drainage to all crop to avoid runoff
- Check of vaccination schedule in poultry/livestock

DETAILS OF ADVISORIES FOR THE PERIOD

Crop	Stage	Pest/Disease	Precautionary Practices to be followed
FIELD CROPS			
Mustard	Sowing/ Vegetative	Aphids	❖ Sowing recommended ❖ Spray Indofil ^m -45@2.5g/l as preventive measure against alternaria blight and dimethoate 30 EC@3ml/lit for aphid in mustard.
WRC rice – Main crop (Mipun)	Maturing	Gundhi bug Rat	❖ Harvesting of the standing crop is advised only during clear/dry days, ❖ Threshing and proper sun-drying is important ❖ Herein, farmers are advised not to kill snakes as far as possible, as they are the main biological agent which check rodent population,
Black Gram/ Green Gram/ Pea	Vegetative	Powdery Mildew	❖ Need based foliar spray of Sulfex@2g/lit water to control powdery mildew in black/green gram/pea.
VEGETABLES			
Potato	Vegetative		❖ Weeding and application of fertilizer as per recommended doses is suggested in potato.
Brinjal	Fruiting	Brinjal Shoot and Fruit Borer	❖ Periodical hand picking of dead shoots and fruits and its destruction,
Cauliflower /Cabbage/Knolk hol/Broccoli/	Vegetative	Cut worm/ Damping off	❖ Spray micronutrients (multiplex@ 0.2%) to control nutritional deficiency in cole crops/vegetables. ❖ Maintain proper moisture level in the crop field, ❖ Due to wet environment there is possibility of attack of Cut worm. If infestation is very high, to protect the seedlings apply Carbaryl (Sevin) 5% as bait @ 10 kg per acre.
HORTICULTURAL CROPS			
Large Cardamom	Vegetative		❖ Remove dry/diseased/old tillers & branches & spray Bio NPK@ 2ml/lit water for proper growth.
Citrus	Fruiting/ maturity	Fruit fly	❖ Collect & dispose rotten fallen fruits/ install fruitfly traps
LIVESTOCKS			
Livestock	Stage	Disease	▪ Precautionary Practices to be followed
Pigs	All stages	Swine fever	❖ Make sure they have adequate dry bedding, lethargic pigs may have pneumonia-check temperature ❖ Care pregnant animals, ❖ Provide proper bedding materials and close all the ventilations in the house to avoid cold waves at night.
Poultry	All stages		❖ Provide adequate bedding materials & warmth@ 2watts/chick & close all ventilations. ❖ Provide adequate potable drinking water
Cattle	All stages		❖ Provide paddy straws for cushioning to the newly born calves, ❖ Lighting to maintain warmth in the shade, ❖ As green feeds supply will decrease, provide quality feeds,

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ADVISORY FOR DISTRICT: WEST KAMENG

Weather summary of the previous week	Weather forecast valid up to 28 th November 2018
Rainfall = Bomdila: NA ; Bhalukpong: 0.0 mm; Kalaktang: 0.0 mm	Generally clear/dry weather forecasted. Daily maximum and minimum temperature for the following period is predicted to be 28.5-30.0°C and 15.9-17.1°C respectively. Expected morning and evening relative humidity will be 72-89% and 45-50% respectively. Wind direction is mainly NW wind speed range of 7.8-9.4 kmph.
Warning:	•

GENERAL RECOMMENDATIONS

- Monitor for possible attack of insects/pests
- Application of fertilizers/manure can be done during clear/dry days
- Proper drainage to all crop to avoid runoff
- Check of vaccination schedule in poultry/livestock

DETAILS OF ADVISORIES FOR THE PERIOD

Crop	Stage	Pest/Disease	Precautionary Practices to be followed
FIELD CROPS			
Kharif Rice (Normal transplanted)	Physiological maturity/harvesting		<ul style="list-style-type: none"> ❖ Harvesting of the standing crop is advised in a priority basis. ❖ Sun-dry the harvested crop before storage. ❖ Drain excess water in the field 7-10 days before harvesting to hasten maturity & improve harvesting condition. This would also enable early & easy preparation of field for next crop(Rabi),
Black Gram & Green Gram	Vegetative	Leaf eating insects/ Powdery mildew	<ul style="list-style-type: none"> ❖ Monitor for possible attack of leaf-eating insects ❖ Spray Azadirachtin 0.15% EC 2@ 6ml/lit against leaf eating insects in vegetables ❖ Need based foliar spray of Sulfex@2g/lit water to control powdery mildew
Pea	Sowing	Cut worm	<ul style="list-style-type: none"> ❖ Sowing of quality seed may be done at the earliest ❖ When damage level is high application of Lannate 40 SP @ 5 gram per 10 litre of water may be done,
VEGETABLES			
Carrot	Sowing		<ul style="list-style-type: none"> • For better germination soak seed in water overnight, shade dry and sow right away.
Cabbage/ Cauliflower/ Knolkhol/ Others	Transplanting/ Vegetative		<ul style="list-style-type: none"> ❖ Spray Azadirachtin 0.03% (neem oil based WSP) @ 5lit/1000lit water/ha against Aphids, DBM, Cabbage Worm, Cabbage looper etc. ❖ Transplanting of healthy seedlings may be done in well prepared field, ❖ Provide proper drainage in nursery/field
HORTICULTURAL CROPS			
Citrus	Fruiting/ maturity	Fruit fly	<ul style="list-style-type: none"> ❖ Collect & dispose rotten fallen fruits/ install fruitfly traps
Peach	Vegetative (harvesting over)		<ul style="list-style-type: none"> ❖ Training & pruning of diseased/criss-cross branches to harvest more solar energy & for proper growth.
LIVESTOCKS			
Livestock	Stage	Disease	Precautionary Practices to be followed
Poultry	All stages		<ul style="list-style-type: none"> ❖ Provide adequate bedding materials & warmth@ 2watts/chick & close all ventilations. ❖ Vaccination of birds as per the recommended age, ❖ Avoid dampness, litter should be periodically changed. ❖ Provide clean and fresh water daily. ❖ Artificial heating through lighting of electric bulb during night time to protect the poultry birds (day old to 25 days old) from low temperature.
Fish	-		<ul style="list-style-type: none"> ❖ Partial harvesting, ❖ Frequent stirring of pond water and keep pond free of weeds and others
Pig	All stages		<ul style="list-style-type: none"> ❖ Deworming at regular interval

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ADVISORY FOR DISTRICT: WEST SIANG

{Basar: Latitude: 27°59.53/Longitude: 94.41.269/Altitude: 616 amsl}

Weather summary of the previous week	Weather forecast valid up to 28 th November 2018
Rainfall: 0.0 mm, Max. T: 23.1°C, Min. T: 8.5°C, Wind Speed: 5-6 km/h, RH: 59-95%, Wind Direction: WS	Generally clear/dry weather forecasted with possibility of light rain on 24 th Nov. Daily maximum and minimum temperature for the following period is predicted to be 27.7-30.5°C and 13.9-15.0°C respectively. Expected morning and evening relative humidity will be 56-87% and 40-49% respectively. Wind direction is mainly NW with average wind speed range of 6.8-8.8 kmph.
Warning:	

GENERAL RECOMMENDATIONS

- Monitor for possible attack of insects/pests
- Application of fertilizers/manure can be done during clear/dry days
- Proper drainage to all crop to avoid runoff
- Check of vaccination schedule in poultry/livestock

DETAILS OF ADVISORIES FOR THE PERIOD

Crop	Stage	Pest/Disease	Precautionary Practices to be followed
FIELD CROPS			
Mustard	Sowing/ Vegetative	Aphids	❖ Sowing recommended ❖ Spray Indofil ^m -45@2.5g/l as preventive measure against alternaria blight and dimethoate 30 EC@3ml/lit for aphid in mustard.
WRC rice – Main crop (Mipun)	Maturing	Gundhi bug Rat	❖ Harvesting of the standing crop is advised only during clear/dry days, ❖ Threshing and proper sun-drying is important ❖ Herein, farmers are advised not to kill snakes as far as possible, as they are the main biological agent which check rodent population,
Black Gram/ Green Gram/ Pea	Vegetative	Powdery Mildew	❖ Need based foliar spray of Sulfex@2g/lit water to control powdery mildew in black/green gram/pea.
VEGETABLES			
Potato	Vegetative		❖ Weeding and application of fertilizer as per recommended doses is suggested in potato.
Brinjal	Fruiting	Brinjal Shoot and Fruit Borer	❖ Periodical hand picking of dead shoots and fruits and its destruction,
Cauliflower /Cabbage/Knolk hol/Broccoli/	Vegetative	Cut worm/ Damping off	❖ Spray micronutrients (multiplex@ 0.2%) to control nutritional deficiency in cole crops/vegetables. ❖ Maintain proper moisture level in the crop field, ❖ Due to wet environment there is possibility of attack of Cut worm. If infestation is very high, to protect the seedlings apply Carbaryl (Sevin) 5% as bait @ 10 kg per acre.
HORTICULTURAL CROPS			
Large Cardamom	Vegetative		❖ Remove dry/diseased/old tillers & branches & spray Bio NPK@ 2ml/lit water for proper growth.
Citrus	Fruiting/ maturity	Fruit fly	❖ Collect & dispose rotten fallen fruits/ install fruitfly traps
LIVESTOCKS			
Livestock	Stage	Disease	Precautionary Practices to be followed
Pigs	All stages	Swine fever	❖ Make sure they have adequate dry bedding, lethargic pigs may have pneumonia-check temperature ❖ Care pregnant animals, ❖ Provide proper bedding materials and close all the ventilations in the house to avoid cold waves at night.
Poultry	All stages		❖ Provide adequate bedding materials & warmth@ 2watts/chick & close all ventilations. ❖ Provide adequate potable drinking water
Cattle	All stages		❖ Provide paddy straws for cushioning to the newly born calves, ❖ Lighting to maintain warmth in the shade, ❖ As green feeds supply will decrease, provide quality feeds,

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