



Agromet Advisory Bulletin for the Chennai District

Bulletin no. 058/2024 Issued on 19.07.2024

(20.07.2024-24.07.2024)

Issued jointly by

Tamil Nadu Veterinary and Animal Sciences University
& India Meteorological Department



Weather Summary for the period since the issue of last bulletin for Chennai.

During past three days around Chennai area, the sky was mostly clear. Maximum temperature was 29.0-35.0°C and Minimum temperature was 27.0-29.0°C. Wind speed was 05-08 km per hour. Relative humidity was recorded between 61-85 %.

Past week Summary (16.07.2024-18.07.2024)			Parameters	Ensemble weather forecast valid until 08.30 hrs of 24.07.2024				
16.07.2024	17.07.2024	18.07.2024		Date	20.07.2024	21.07.2024	22.07.2024	23.07.2024
2.1	0.0	0.2	Rainfall (mm)	10	10	0	0	4
29	32	35	Max. Temp. (°C)	33	33	33	34	34
27	28	29	Mini. Temp. (°C)	27	27	27	28	28
76	85	72	Maximum RH %	80	80	80	72	72
69	68	61	Minimum RH %	68	68	68	60	60
clear Sky	clear Sky	clear Sky	Cloud cover Octa	clear Sky	clear Sky	clear Sky	clear Sky	clear Sky
West South West	South West	South South West	Wind direction	West	West	West	West	West
8	5	7	Wind speed Kmp	10	12	10	15	12

Weather Summary for Chennai district

Weather forecast for next five days: (20.07.2024-24.07.2024)

According to district forecast issued by the India Meteorological Department for Chennai district, sky will be mostly clear. Maximum temperature is expected to be around 33.0-34.0°C. Minimum temperature is expected to be around 27.0-28.0°C. Morning relative humidity is expected to be around 72-80 per cent and evening relative humidity is expected to be around 60-68 per cent. Wind speed is expected to be around 10-15 km per hour and the wind direction will be from West.

SMS Advisory:

(20.07.2024-24.07.2024) Light to moderate rain is likely to occur at isolated places over Tamil Nadu.

Livestock Advisory:

1. The farmers are advised to preserve rice straw after harvesting the paddy crop which has to be used as livestock feed.
2. The livestock especially dairy cattle, sheep and goat must not be allowed to stand in slushy and filthy area to prevent foot rot.
3. Egg laying poultry (layers) suffering from lice infestation must be looked into with proper attention. Dipping solution must be rubbed over the affected body parts and feathers using cloth or cotton, during Sunny part of the day
4. Dry fodders and feed ingredients used for the preparation of concentrate mixture should be dry and free from aflatoxin.

5. Due to high humidity, Young animals may suffer from pneumonia, get veterinary doctors advice.
6. The weather conditions prevailing now are a conducive environment for mosquitoes & flies. Hence the farmers are advised to spray insecticides around the farm premises.
7. Fumigation of livestock shed by using neem and notchi leaves will keep the mosquitoes and other vectors away from the animals.

Agricultural advisory

Rice:

Transplanting of rice varieties may be done utilizing the expected rainfall.

To provide proper drainage facility to the nursery field.

Prevailing weather condition is favorable for bacterial leaf blight infection in rice crop. White colour streaks appear leaf and it turns brown in colour and dried. To control spray copper hydroxide @ 300 g/ac. Due to prevailing weather condition chances of thrips infestation in paddy field. To control spray thiamethoxam 40 g/ac or azadirachtin 400 ml/ac (10000 PPM). Due to prevailing weather condition leaf folder infestation is found in paddy crop. To manage them, spray carbosulfan 400 ml/ac or cartap hydrochloride 600 g/ac during morning or evening hours.

The forecasted weather may cause leaf folder infestation in rice crop. The farmers are advised to monitor the field, if symptoms are observed it's advised to spray

Chlorantraniliprole 18.5% 150 ml/ha.

Coconut:

To control Rugose Spiraling Whitefly in coconut, setup yellow sticky traps (size 5x1.5 feet) @ 8/ac in between the trees.

Installation of yellow sticky traps on the palm trunk to trap the adult whiteflies.

2. Encourage buildup of parasitoids (*Encarsia* sp.) and reintroduce parasitized pupae of emerging zones of whitefly outbreak. 3. In severe case, spray neem oil 10 ml/lit of water or spray azadirachtin 2.0 ml/lit of water with 1.0 ml of sticking agent.

Banana:

High wind speed (>10 kmph) is expected on forthcoming days, so prop up 5 month old banana trees.

Sugarcane:

Due to prevailing weather condition changes of sugarcane early shoot borer infection. To control spray chlorantraniliprole 18.5 SC (0.5 ml/l) or fipronil 5 % SC (2.0 ml/l).

Brinjal:

There are possibilities of mealybug infestation in brinjal crops. For management farmers are advised to spray Profenophos 2ml/lit of water.

Nodal Officer (GKMS)
Professor and Head,
Department of Livestock Production Management
Madras Veterinary College, Chennai - 7



Agromet Advisory Bulletin for the Tiruvallur District
Bulletin no. 058/2024 Issued on 19.07.2024
(20.07.2024-24.07.2024)
Issued jointly by
Tamil Nadu Veterinary and Animal Sciences University
& India Meteorological Department



Weather Summary for the period since the issue of last bulletin for Tiruvallur.

During past three days around Tiruvallur area, the sky was mostly clear. Maximum temperature was 29.0-35.0°C and Minimum temperature was 27.0-29.0°C. Wind speed was 05-08 km per hour. Relative humidity was recorded between 61-85 %.

Past week Summary (16.07.2024-18.07.2024)			Parameters	Ensemble weather forecast valid until 08.30 hrs of 24.07.2024				
16.07.2024	17.07.2024	18.07.2024		Date	20.07.2024	21.07.2024	22.07.2024	23.07.2024
3.7	0.0	2.2	Rainfall (mm)	20	18	0	0	5
29	32	35	Max. Temp. (°C)	33	33	33	34	34
27	28	29	Mini. Temp. (°C)	27	27	27	28	28
76	85	72	Maximum RH %	80	80	80	72	72
69	68	61	Minimum RH %	68	68	68	60	60
clear Sky	clear Sky	clear Sky	Cloud cover Octa	clear Sky	clear Sky	clear Sky	clear Sky	clear Sky
West South West	South West	South South West	Wind direction	West	West	West	West	West
8	5	7	Wind speed Kmp	10	12	10	15	12

Weather Summary for Tiruvallur district

Weather forecast for next five days: (20.07.2024-24.07.2024)

According to district forecast issued by the India Meteorological Department for Tiruvallur district, sky will be mostly clear. Maximum temperature is expected to be around 33.0-34.0°C. Minimum temperature is expected to be around 27.0-28.0°C. Morning relative humidity is expected to be around 72-80 per cent and evening relative humidity is expected to be around 60-68 per cent. Wind speed is expected to be around 10-15 km per hour and the wind direction will be from West.

SMS Advisory:

(20.07.2024-24.07.2024) Light to moderate rain is likely to occur at isolated places over Tamil Nadu.

Livestock Advisory:

1. The farmers are advised to preserve rice straw after harvesting the paddy crop which has to be used as livestock feed.
2. The livestock especially dairy cattle, sheep and goat must not be allowed to stand in slushy and filthy area to prevent foot rot.
3. Egg laying poultry (layers) suffering from lice infestation must be looked into with proper attention. Dipping solution must be rubbed over the affected body parts and feathers using cloth or cotton, during Sunny part of the day

4. Dry fodders and feed ingredients used for the preparation of concentrate mixture should be dry and free from aflatoxin.
5. Due to high humidity, Young animals may suffer from pneumonia, get veterinary doctors advice.
6. The weather conditions prevailing now are a conclusive environment for mosquitoes & flies. Hence the farmers are advised to spray insecticides around the farm premises.
7. Fumigation of livestock shed by using neem and notchi leaves will keep the mosquitoes and other vectors away from the animals.

Agricultural advisory

Rice:

Transplanting of rice varieties may be done utilizing the expected rainfall.

To provide proper drainage facility to the nursery field.

Prevailing weather condition is favorable for bacterial leaf blight infection in rice crop. White colour streaks appear leaf and it turns brown in colour and dried. To control spray copper hydroxide @ 300 g/ac. Due to prevailing weather condition chances of thrips infestation in paddy field. To control spray thiamethoxam 40 g/ac or azadirachtin 400 ml/ac (10000 PPM). Due to prevailing weather condition leaf folder infestation is found in paddy crop. To manage them, spray carbosulfan 400 ml/ac or cartap hydrochloride 600 g/ac during morning or evening hours.

The forecasted weather may cause leaf folder infestation in rice crop. The farmers are advised to monitor the field, if symptoms are observed it's advised to spray Chlorantraniliprole 18.5% 150 ml/ha.

Coconut:

To control Rugose Spiraling Whitefly in coconut, setup yellow sticky traps (size 5x1.5 feet) @ 8/ac in between the trees.

Installation of yellow sticky traps on the palm trunk to trap the adult whiteflies. 2. Encourage buildup of parasitoids (*Encarsia* sp.) and reintroduce parasitized pupae of emerging zones of whitefly outbreak. 3. In sever case, spray neem oil 10 ml/lit of water or spray azadirachtin 2.0 ml/lit of water with 1.0 ml of sticking agent.

Banana:

High wind speed (>10 kmph) is expected on forthcoming days, so prop up 5 month old banana trees.

Sugarcane:

Due to prevailing weather condition changes of sugarcane early shoot borer infection. To control spray chlorantraniliprole 18.5 SC (0.5 ml/l) or fipronil 5 % SC (2.0 ml/l).

Brinjal:

There are possibilities of mealybug infestation in brinjal crops. For management farmers are advised to spray Profenophos 2ml/lit of water.

Nodal Officer (GKMS)
Professor and Head,
Department of Livestock Production Management
Madras Veterinary College, Chennai – 7



Agromet Advisory Bulletin for the Thiruvannamalai District
Bulletin no. 058/2024 Issued on 19.07.2024
(20.07.2024-24.07.2024)



Issued jointly by
Tamil Nadu Veterinary and Animal Sciences University
& India Meteorological Department

Weather Summary for the period since the issue of last bulletin for TVMalai .

During past three days around TVMalai area, the sky was mostly clear. Maximum temperature was 27.0-35.0°C and Minimum temperature was 25.0-27.0°C. Wind speed was 08-10 km per hour. Relative humidity was recorded between 69-84 %.

Past week Summary (16.07.2024-18.07.2024)			Parameters	Ensemble weather forecast valid until 08.30 hrs of 24.07.2024				
16.07.2024	17.07.2024	18.07.2024		Date	20.07.2024	21.07.2024	22.07.2024	23.07.2024
3.7	2.1	0.3	Rainfall (mm)	5	4	0	0	0
27	33	35	Max. Temp. (°C)	33	33	34	35	35
25	26	27	Mini. Temp. (°C)	26	26	27	27	27
78	81	76	Maximum RH %	78	78	76	76	76
78	69	84	Minimum RH %	82	82	70	70	70
clear Sky	clear Sky	clear Sky	Cloud cover Octa	clear Sky	clear Sky	clear Sky	clear Sky	clear Sky
West	West South West	North West	Wind direction	West	West	West	West	West
9	8	10	Wind speed Kmp	14	12	10	10	10

Weather Summary for TVMalai district

Weather forecast for next five days: (20.07.2024-24.07.2024)

According to district forecast issued by the India Meteorological Department for TVMalai district, sky will be mostly clear. Maximum temperature is expected to be around 33.0-35.0°C. Minimum temperature is expected to be around 26.0-27.0°C. Morning relative humidity is expected to be around 76-78 per cent and evening relative humidity is expected to be around 70-82 per cent. Wind speed is expected to be around 10-14 km per hour and the wind direction will be from West.

SMS Advisory:

(20.07.2024-24.07.2024) Light to moderate rain is likely to occur at isolated places over Tamil Nadu.

Livestock Advisory:

1. The farmers are advised to preserve rice straw after harvesting the paddy crop which has to be used as livestock feed.
2. The livestock especially dairy cattle, sheep and goat must not be allowed to stand in slushy and filthy area to prevent foot rot.
3. Egg laying poultry (layers) suffering from lice infestation must be looked into with proper attention. Dipping solution must be rubbed over the affected body parts and feathers using cloth or cotton, during Sunny part of the day

4. Dry fodders and feed ingredients used for the preparation of concentrate mixture should be dry and free from aflatoxin.
5. Due to high humidity, Young animals may suffer from pneumonia, get veterinary doctors advice.
6. The weather conditions prevailing now are a conclusive environment for mosquitoes & flies. Hence the farmers are advised to spray insecticides around the farm premises.
7. Fumigation of livestock shed by using neem and notchi leaves will keep the mosquitoes and other vectors away from the animals.

Agricultural advisory

Rice:

Transplanting of rice varieties may be done utilizing the expected rainfall.

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Coconut:

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Banana:

High wind speed (>10 kmph) is expected on forthcoming days, so prop up 5 month old banana trees.

Sugarcane:

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Brinjal:

There are possibilities of mealybug infestation in brinjal crops. For management farmers are advised to spray Profenophos 2ml/lit of water.

Nodal Officer (GKMS)
Professor and Head,
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Madras Veterinary College, Chennai - 7



Agromet Advisory Bulletin for the Vellore District

Bulletin no. 058/2024 Issued on 19.07.2024

(20.07.2024-24.07.2024)

Issued jointly by

Tamil Nadu Veterinary and Animal Sciences University
& India Meteorological Department



Weather Summary for the period since the issue of last bulletin for Vellore.

During past three days around Vellore area, the sky was mostly clear. Maximum temperature was 27.0-35.0°C and Minimum temperature was 25.0-27.0°C. Wind speed was 08-10 km per hour. Relative humidity was recorded between 69-84 %.

Past week Summary (16.07.2024-18.07.2024)			Parameters	Ensemble weather forecast valid until 08.30 hrs of 24.07.2024				
16.07.2024	17.07.2024	18.07.2024	Date	20.07.2024	21.07.2024	22.07.2024	23.07.2024	24.07.2024
5.5	3.4	0.0	Rainfall (mm)	15	12	0	0	0
27	33	35	Max. Temp. (°C)	33	33	34	35	35
25	26	27	Mini. Temp. (°C)	26	26	27	27	27
78	81	76	Maximum RH %	78	78	76	76	76
78	69	84	Minimum RH %	82	82	70	70	70
clear Sky	clear Sky	clear Sky	Cloud cover Octa	clear Sky	clear Sky	clear Sky	clear Sky	clear Sky
West	West South West	North West	Wind direction	West	West	West	West	West
9	8	10	Wind speed Kmp	14	12	10	10	10

Weather Summary for Vellore district

Weather forecast for next five days: (20.07.2024-24.07.2024)

According to district forecast issued by the India Meteorological Department for Vellore district, sky will be mostly clear. Maximum temperature is expected to be around 33.0-35.0°C. Minimum temperature is expected to be around 26.0-27.0°C. Morning relative humidity is expected to be around 76-78 per cent and evening relative humidity is expected to be around 70-82 per cent. Wind speed is expected to be around 10-14 km per hour and the wind direction will be from West.

SMS Advisory:

(20.07.2024-24.07.2024) Light to moderate rain is likely to occur at isolated places over Tamil Nadu.

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4. Dry fodders and feed ingredients used for the preparation of concentrate mixture should be dry and free from aflatoxin.

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7. Fumigation of livestock shed by using neem and notchi leaves will keep the mosquitoes and other vectors away from the animals.

Agricultural advisory

Rice:

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Coconut:

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Banana:

High wind speed (>10 kmph) is expected on forthcoming days, so prop up 5 month old banana trees.

Sugarcane:

Due to prevailing weather condition changes of sugarcane early shoot borer infection. To control spray chlorantraniliprole 18.5 SC (0.5 ml/l) or fipronil 5 % SC (2.0 ml/l).

Brinjal:

There are possibilities of mealybug infestation in brinjal crops. For management farmers are advised to spray Profenophos 2ml/lit of water.

*Nodal Officer (GKMS)
Professor and Head,
Department of Livestock Production Management
Madras Veterinary College, Chennai - 7*



Agromet Advisory Bulletin for the Villupuram District
Bulletin no. 058/2024 Issued on 19.07.2024
(20.07.2024-24.07.2024)
Issued jointly by
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Weather Summary for the period since the issue of last bulletin for Villupuram.

During past three days around Villupuram area, the sky was mostly clear. Maximum temperature was 30.0-31.0°C and Minimum temperature was 25.0-26.0°C. Wind speed was 00-05 km per hour. Relative humidity was recorded between 68-92 %.

Past week Summary (16.07.2024-18.07.2024)			Parameters	Ensemble weather forecast valid until 08.30 hrs of 24.07.2024				
16.07.2024	17.07.2024	18.07.2024		Date	20.07.2024	21.07.2024	22.07.2024	23.07.2024
0.8	0.8	0.0	Rainfall (mm)	10	8	0	0	0
31	30	31	Max. Temp. (°C)	30	30	30	31	31
25	25	26	Mini. Temp. (°C)	25	25	25	26	26
92	92	83	Maximum RH %	94	94	94	90	90
82	81	68	Minimum RH %	70	70	70	68	68
clear Sky	clear Sky	clear Sky	Cloud cover Octa	clear Sky	clear Sky	clear Sky	clear Sky	clear Sky
		South West	Wind direction	West	West	West	West	West
0	0	5	Wind speed Kmp	14	12	12	10	12

Weather Summary for Villupuram district

Weather forecast for next five days: (20.07.2024-24.07.2024)

According to district forecast issued by the India Meteorological Department for Villupuram district, sky will be mostly clear. Maximum temperature is expected to be around 30.0-31.0°C. Minimum temperature is expected to be around 25.0-26.0°C. Morning relative humidity is expected to be around 90-94 per cent and evening relative humidity is expected to be around 68-70 per cent. Wind speed is expected to be around 10-14 km per hour and the wind direction will be from West.

SMS Advisory:

(20.07.2024-24.07.2024) Light to moderate rain is likely to occur at isolated places over Tamil Nadu.

Livestock Advisory:

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Agricultural advisory

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*Nodal Officer (GKMS)
Professor and Head,
Department of Livestock Production Management
Madras Veterinary College, Chennai – 7*



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(20.07.2024-24.07.2024)

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Weather Summary for the period since the issue of last bulletin for Cuddalore.

During past three days around Cuddalore area, the sky was mostly clear. Maximum temperature was 30.0-31.0°C and Minimum temperature was 25.0-26.0°C. Wind speed was 00-05 km per hour. Relative humidity was recorded between 81-92 %.

Past week Summary (16.07.2024-18.07.2024)			Parameters	Ensemble weather forecast valid until 08.30 hrs of 24.07.2024				
16.07.2024	17.07.2024	18.07.2024		Date	20.07.2024	21.07.2024	22.07.2024	23.07.2024
1.0	0.8	0.1	Rainfall (mm)	10	0	0	0	0
31	30	31	Max. Temp. (°C)	30	30	30	31	31
25	25	26	Mini. Temp. (°C)	25	25	25	26	26
92	92	83	Maximum RH %	94	94	94	90	90
82	81	68	Minimum RH %	70	70	70	68	68
clear Sky	clear Sky	clear Sky	Cloud cover Octa	clear Sky	clear Sky	clear Sky	clear Sky	clear Sky
		South West	Wind direction	West	West	West	West	West
0	0	5	Wind speed Kmp	14	12	12	10	12

Weather Summary for Cuddalore district

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Installation of yellow sticky traps on the palm trunk to trap the adult whiteflies. 2. Encourage buildup of parasitoids (*Encarsia* sp.) and reintroduce parasitized pupae of emerging zones of whitefly outbreak. 3. In sever case, spray neem oil 10 ml/lit of water or spray azadirachtin 2.0 ml/lit of water with 1.0 ml of sticking agent.

Banana:

High wind speed (>10 kmph) is expected on forthcoming days, so prop up 5 month old banana trees.

Sugarcane:

Due to prevailing weather condition changes of sugarcane early shoot borer infection. To control spray chlorantraniliprole 18.5 SC (0.5 ml/l) or fipronil 5 % SC (2.0 ml/l).

Brinjal:

There are possibilities of mealybug infestation in brinjal crops. For management farmers are advised to spray Profenophos 2ml/lit of water.

Nodal Officer (GKMS)
Professor and Head,
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Agromet Advisory Bulletin for the Kancheepuram District
Bulletin no. 058/2024 Issued on 19.07.2024
(20.07.2024-24.07.2024)



Issued jointly by
Tamil Nadu Veterinary and Animal Sciences University
& India Meteorological Department

Weather Summary for the period since the issue of last bulletin for Kancheepuram.

During past three days around Kancheepuram area, the sky was mostly clear. Maximum temperature was 29.0-35.0°C and Minimum temperature was 25.0-27.0°C. Wind speed was 07-20 km per hour. Relative humidity was recorded between 62-90 %.

Past week Summary (16.07.2024-18.07.2024)			Parameters	Ensemble weather forecast valid until 08.30 hrs of 24.07.2024				
16.07.2024	17.07.2024	18.07.2024		Date	20.07.2024	21.07.2024	22.07.2024	23.07.2024
1.4	0.0	0.0	Rainfall (mm)	10	8	0	0	2
29	32	35	Max. Temp. (°C)	32	32	32	34	34
25	26	27	Mini. Temp. (°C)	24	24	25	26	26
78	81	72	Maximum RH %	80	80	78	76	76
67	62	90	Minimum RH %	70	70	67	67	67
clear Sky	clear Sky	clear Sky	Cloud cover Octa	clear Sky	clear Sky	clear Sky	clear Sky	clear Sky
South West	South	West North West	Wind direction	West	West	West	West	West
7	7	20	Wind speed Kmp	20	15	12	10	10

Weather Summary for Kancheepuram district

Weather forecast for next five days: (20.07.2024-24.07.2024)

According to district forecast issued by the India Meteorological Department for Kancheepuram district, sky will be mostly clear. Maximum temperature is expected to be around 32.0-34.0°C. Minimum temperature is expected to be around 24.0-26.0°C. Morning relative humidity is expected to be around 76-80 per cent and evening relative humidity is expected to be around 67-70 per cent. Wind speed is expected to be around 10-20 km per hour and the wind direction will be from West.

SMS Advisory:

(20.07.2024-24.07.2024) Light to moderate rain is likely to occur at isolated places over Tamil Nadu.

Livestock Advisory:

1. The farmers are advised to preserve rice straw after harvesting the paddy crop which has to be used as livestock feed.
2. The livestock especially dairy cattle, sheep and goat must not be allowed to stand in slushy and filthy area to prevent foot rot.
3. Egg laying poultry (layers) suffering from lice infestation must be looked into with proper attention. Dipping solution must be rubbed over the affected body parts and feathers using cloth or cotton, during Sunny part of the day

4. Dry fodders and feed ingredients used for the preparation of concentrate mixture should be dry and free from aflatoxin.
5. Due to high humidity, Young animals may suffer from pneumonia, get veterinary doctors advice.
6. The weather conditions prevailing now are a conclusive environment for mosquitoes & flies. Hence the farmers are advised to spray insecticides around the farm premises.
7. Fumigation of livestock shed by using neem and notchi leaves will keep the mosquitoes and other vectors away from the animals.

Agricultural advisory

Rice:

Transplanting of rice varieties may be done utilizing the expected rainfall.

To provide proper drainage facility to the nursery field.

Prevailing weather condition is favorable for bacterial leaf blight infection in rice crop. White colour streaks appear leaf and it turns brown in colour and dried. To control spray copper hydroxide @ 300 g/ac. Due to prevailing weather condition chances of thrips infestation in paddy field. To control spray thiamethoxam 40 g/ac or azadirachtin 400 ml/ac (10000 PPM). Due to prevailing weather condition leaf folder infestation is found in paddy crop. To manage them, spray carbosulfan 400 ml/ac or cartap hydrochloride 600 g/ac during morning or evening hours.

The forecasted weather may cause leaf folder infestation in rice crop. The farmers are advised to monitor the field, if symptoms are observed it's advised to spray Chlorantraniliprole 18.5% 150 ml/ha.

Coconut:

To control Rugose Spiraling Whitefly in coconut, setup yellow sticky traps (size 5x1.5 feet) @ 8/ac in between the trees.

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