



जिला स्तर तमिलनाडु के लिए कृषि मौसम सलाहकार बुलेटिन

DISTRICT LEVEL

Agro meteorological Advisory Bulletin for the state of Tamil Nadu Bulletin No. 074/2021

For the period 0830 IST, 14th September 2021 to
0830 IST, 19th September 2021

Issued on Tuesday, 14th September 2021

Issued by

DDGM, Regional Meteorological Centre, India Meteorological Department,
Chennai in collaboration with TNAU and nine AMFU's of Agro climatic Zones of
the Tamil Nadu state

Agro climatic zones of the state

Sl. No	Agro climatic zone	Districts	Agro met field Unit (AMFU) location
1	Northeastern zone	Kanchipuram, Tiruvallur, Cuddalore Tiruvannamalai, Chennai, Villupuram , Vellore	Chennai
2	Northwestern zone	Dharmapuri, Krishnagiri, Salem and Namakkal	Namakkal
3	Western Zone	Erode, Tiruppur and Coimbatore,	Coimbatore,
4	Cauvery Delta zone	Thanjavur, Nagapattinam, Thiruvarur, Karur, Perambalur, Ariyalur and Tiruchirapalli.	Adudurai
5	Southern zone	Virudhunagar, Tirunelveli and Thoothugudi	Kovilpatti
6	South Zone	Pudukkottai, Madurai, Dindigul, Theni, Ramanathapuram and Sivagangai	Kannivadi
7	High rainfall zone	Kanyakumari	Pechiparai
8	Hilly zone	Nilgiris	Ooty
9	Coastal Zone	Karaikal and Pondicherry	Karaikal



Past Weather Summary for the period 09.09.21 to 13.09.21 for the State of Tamilnadu & Puducherry

Temperature:

Maximum Temperature of range **31°C – 39°C** prevailed over the state. Kodaikanal and Uthagamandalam recorded Maximum temperature range **17°C – 21°C** during the period.

Minimum temperature of range **21°C - 29°C** prevailed over the State. Kodaikanal and Uthagamandalam recorded Minimum temperature of range **10°C - 12°C** during the same period.

Spatial distribution of Rainfall

Spatial distribution of Rainfall	Date	Area
Widespread (Most places)	--	--
Fairly widespread (Many places)	--	--
Scattered (Few Places)	11.09.21	Puducherry
Isolated (One or Two Places)	09.09.21, 10.09.21, 11.09.21, 12.09.21 & 13.09.21	Tamil Nadu
Dry	09.09.21, 10.09.21, 12.09.21 & 13.09.21	Puducherry

Chief Amounts of Rainfall (in cms):-

09.09.21 : Devala (dist Nilgiris) 16, Pandhalur (dist Nilgiris) 8, Upper Gudalur (dist Nilgiris) 5, G Bazar (dist Nilgiris) 4, Braiyar Estate (dist Nilgiris) 3, Salem (dist Salem), Harison Estate (dist Nilgiris), Barwood (dist Nilgiris) 2 each, Chinnakalar (dist Coimbatore), Valparai PTO (dist Coimbatore), Periyar (dist Theni), Avalanche (dist Nilgiris), Upper Bhavani (dist Nilgiris) 1 each.

10.09.21 : Yercaud ISRO (dist. Salem) 1.

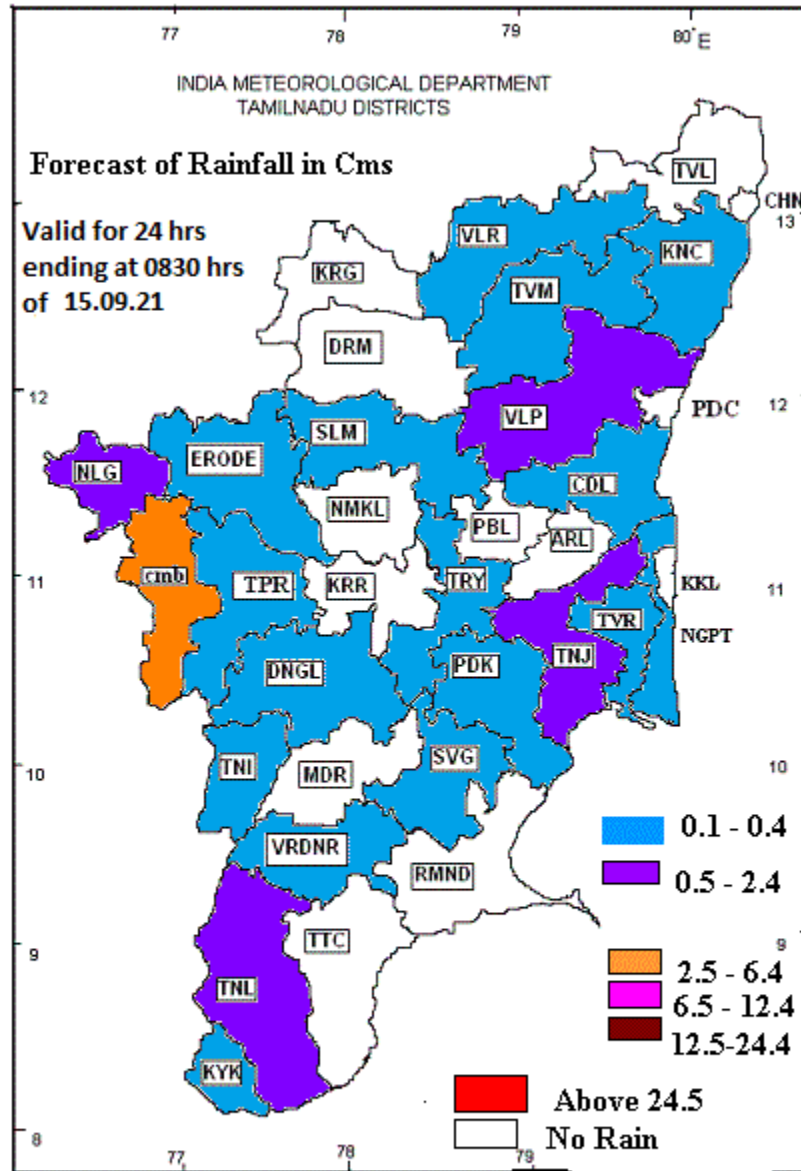
11.09.21 : Thanjai Papanasam (dist Thanjavur) 1, Valangaiman (dist Tiruvarur) 1, Manjalaru (dist Thanjavur) 1, Karaikal (dist Karaikal) 1.

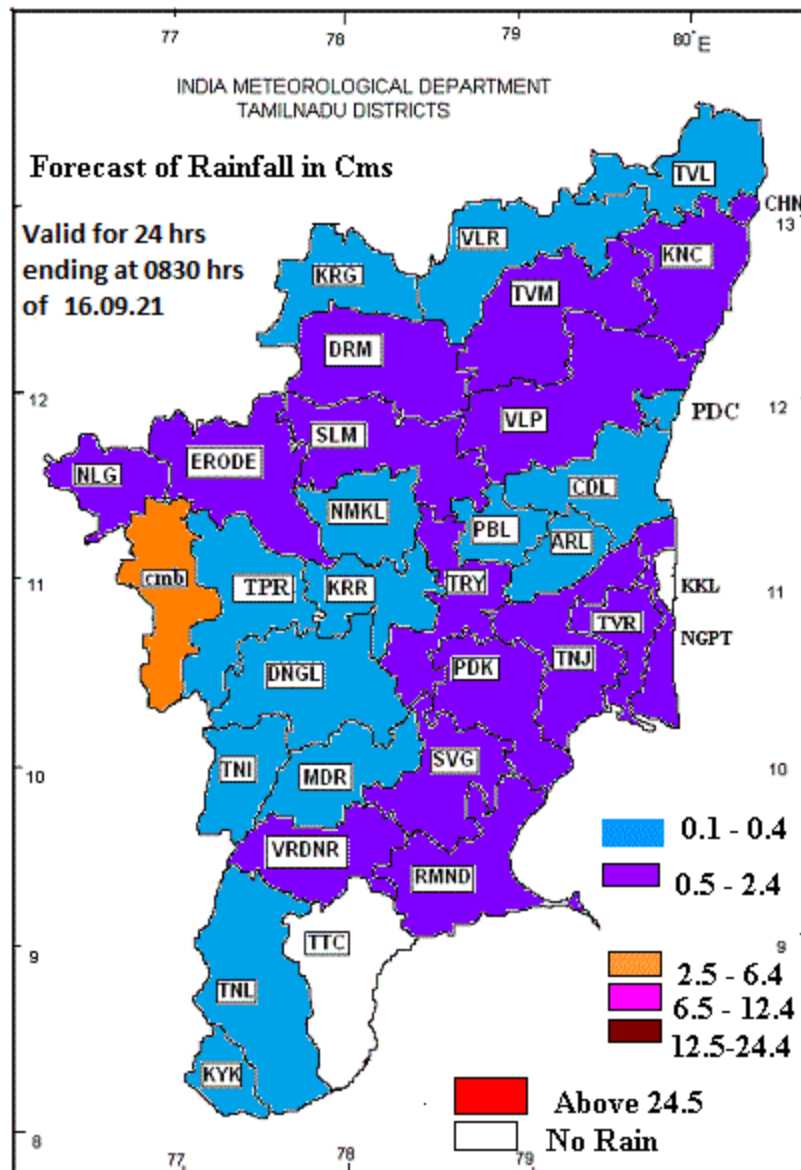
12.09.21 : Valparai PTO (dist Coimbatore) 9, Pandhalur (dist Nilgiris) 6, Cincona (dist Coimbatore) 5, Chinnakalar (dist Coimbatore), Devala (dist Nilgiris), Sholayar (dist Coimbatore), Upper Gudalur (dist Nilgiris) 4 each, G Bazar (dist Nilgiris), Periyar (dist Theni), Valparai Taluk Office (dist Coimbatore), Naduvattam (dist Nilgiris), Harison estate (dist Nilgiris), Barwood (dist Nilgiris), Valparai PAP (dist

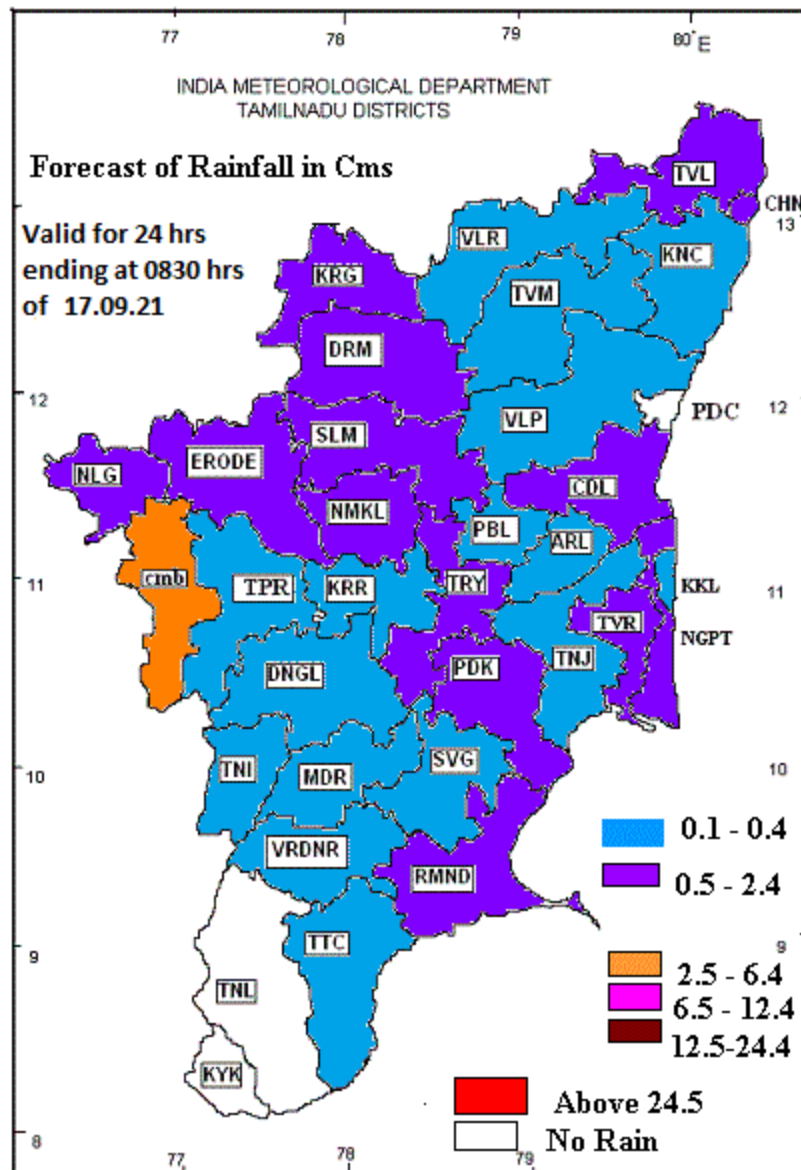
Coimbatore) 3 each, Upper Bhavani (dist Nilgiris), Edapadi (dist Salem), Avalanche (dist Nilgiris), Braiyar estate (dist Nilgiris) 2 each, Salem (dist Salem), Mettur (dist Salem), Uthukottai (dist Tiruvallur) 1 each.

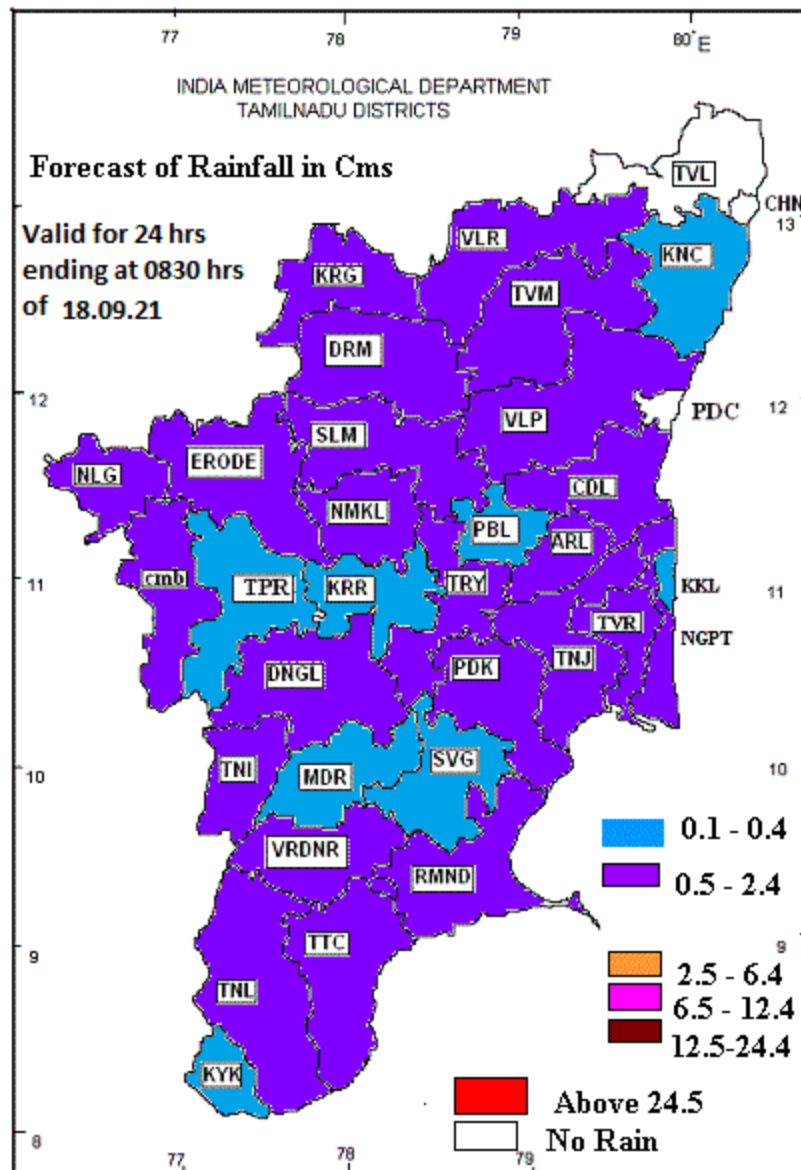
13.09.21 : Sholayar (dist Coimbatore), Cincona (dist Coimbatore) 10 each, Chinnakalar (dist Coimbatore), Valparai Pto (dist Coimbatore) 9 each, Valparai Taluk Office (dist Coimbatore), Valparai PAP (dist Coimbatore) 7 each, Naduvattam (dist Nilgiris), Devala (dist Nilgiris) 6 each, Upper Bhavani (dist Nilgiris), G Bazar (dist Nilgiris), Avalanche (dist Nilgiris), Upper Gudalur (dist Nilgiris) 5 each, Pandhalur (dist Nilgiris) 4, Yercaud (dist Salem), Harison Estate (dist Nilgiris), Sivalogam (dist Kanyakumari) 3 each, Perunchani Dam (dist Kanyakumari), Thekkadi (dist Theni), Periyar (dist Theni), Kothavachery (dist Cuddalore), Puthan Dam (dist Kanyakumari), Karaiyur (dist Pudukottai) 2 each, Glenmorgan (dist Nilgiris), Pollachi (dist Coimbatore), Thuckalay (dist Kanyakumari), Eraniel (dist Kanyakumari), Kuzhithurai (dist Kanyakumari), Nagercoil (dist Kanyakumari), Kottaram (dist Kanyakumari), Kanyakumari (dist Kanyakumari), Kumarapalayam (dist Namakkal), Peravurani (dist Thanjavur), Bhuvanagiri (dist Cuddalore), Omalur (dist Salem), Suralacode (dist Kanyakumari), Tiruchengode (dist Namakkal), Gandarvakottai (dist Pudukottai), Colachel (dist Kanyakumari), Rasipuram (dist Namakkal), Mangalapuram (dist Namakkal), Thiyagadurgam (dist Kallakurichi), Kalyanallur (dist Kallakurichi) 1 each.

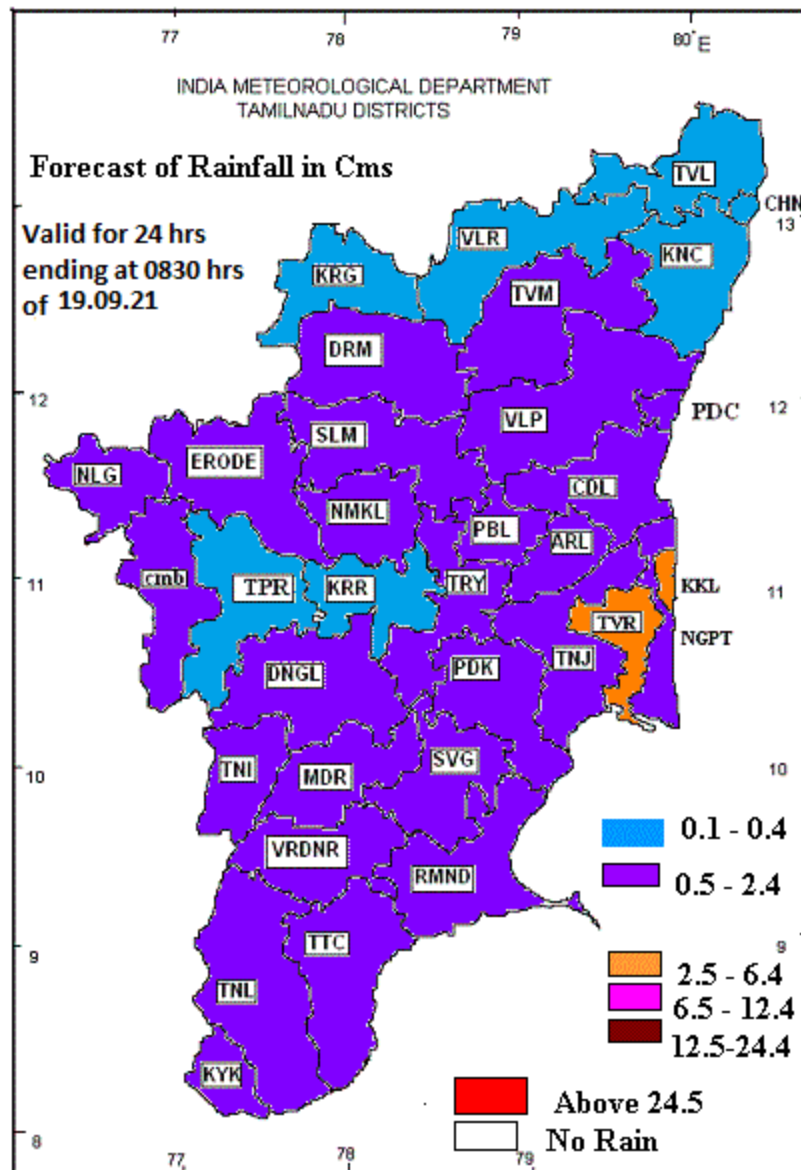
**DISTRICT LEVEL ENSEMBLE WEATHER FORECAST ISSUED ON: 14.09.21
VALID FOR THE NEXT 5 DAYS**











Districtwise Agromet Advisories

Chennai

SMS Advisory: (16.09.2021-19.09.2021):

Thunderstorm with lightning is likely to occur at isolated places over Tamilnadu.

Livestock Advisory

1. Since moderate rainfall is forecasted in the forthcoming week precautions must be taken to close the pit_outs in the roof of livestock shelter to prevent rainwater indulgence. 2. The floors in the livestock shelter must be cleaned and maintained damp free to prevent water logging, Moreover the floors must be sprinkled with bleaching powder to maintain biosecurity in farm. 3. The floor of nursery piglet shed must be cleaned with luke warm saline or with any other commercial disinfectant to prevent E.coli infection, which in adverse cases of infection leads to diarrhoea and mortality. 4. The sheep and goat must be vaccinated against Enterotoxaemia infection. 5. To prevent mosquitoes menace the livestock shed may be fumigated with Vitex Negundo dried leaves once in a week 6. The newly kidded doe must be vaccinated with TT (Tetanus Toxide) 7. Sporadic incidence of Blue Tongue infection may occur in small ruminants. Hence stringent measures must be taken to control fly vector, (Culicoides). 8. Sheep and goat grazing on green lush newly erected grass are highly prone to Clostridium Perfringers type D infection. Hence they should not be allowed to graze in newly grown lush grass. This disease is also known as over eating diseases. 9. Present maximum and minimum temperature is feasible for rabbit production, hence the rabbit may be allowed for individual mating or colony mating. 10. The stagnated water around the poultry farms must be cleared immediately, to avoid the development of intermediate host of poultry cestode which tends to develop in stagnated water.

Kancheepuram

As per IMD Extended Range Forecast for the period of 19.09.2021 to 25.09.2021 Tamil Nadu & Pondicherry region may likely to receive higher rainfall than the normal.

Thunderstorm with lightning is likely to occur at isolated places over Kanchipuram & chengalpattu district from 16.09.2021 - 19.09.2021. For nursery farmers may apply 20 kg of neem cake and 20 kg of poultry manure or 20-50 kg of vermicompost before last ploughing. Farmers may treat the seeds with suitable biofertilizers and biocontrol agents before Sowing. Due to rain forecasted water quality parameters may be evaluated in fish / prawn ponds to avoid disease incidences.

Crop(Varieties)	Crop Specific Advisory
RICE	Seeds sown in paddy nursery may be protected by stagnation thin film water during rainy days.
Crop(Varieties)	Crop Specific Advisory
SUGARCANE	There are possibilities of mealy bug infestation in sugarcane crop. For management farmers may spray methyl parathion 50 EC 1000 ml/ha.
OKRA/ LADYFINGER	There are possibilities of Shoot and fruit borer infestation in bhendi. For management farmers may spray Emamectin benzoate 5 % SG @ 3.0 gram/10 liter of water.
Live Stock(Varieties)	Live Stock Specific Advisory
COW	Farmers are advised to vaccinate their dairy animals against FMD disease in nearby veterinary dispensary to protect them against disease incidence. Farmers are advised

	to deworm & detick the calves and cattle before monsoon to avoid parasitic incidence.
GOAT	Farmers are advised to protect their sheep and goat against PPR by vaccinating in nearby veterinary dispensary. Farmers may deworm and detick the goat and sheep before monsoon to protect them from disease.
Fisheries(Varieties)	Fisheries Specific Advisory
INLAND	By viewing the could cover forecast, to sustain the plankton intensity in fish ponds farmers may reduce 50 % water exchange level from the original level. Due to rain forecasted water quality parameters may be evaluated in fish / prawn ponds to avoid disease incidences.
COMMON FISH	During this season, dry fish preparing fisherflok are advised that 3 kg of fishes may be used for spreading in one square meter area for efficient drying. Due to slight rain and high humid weather forecasted for the next five days, farmers may store their fish and prawn feeds in dry and clean places to avoid the fungal infestation.
Poultry(Varieties)	Poultry Specific Advisory
CHICKEN	Farmers are advised to vaccinate their backyard poultry birds against Ranikhet disease before the monsoon rainfall starts to protect the birds against the disease. Farmers may provide clean and warm (Boiled and cooled) water along with B-complex supplements to improve the production in birds.

Villupuram

SMS Advisory: (16.09.2021-19.09.2021):

Thunderstorm with lightning is likely to occur at isolated places over Tamilnadu.

Livestock Advisory:

1. Since moderate rainfall is forecasted in the forthcoming week precautions must be taken to close the pit_outs in the roof of livestock shelter to prevent rainwater indulgence. 2. The floors in the livestock shelter must be cleaned and maintained damp free to prevent water logging, Moreover the floors must be sprinkled with bleaching powder to maintain biosecurity in farm. 3. The floor of nursery piglet shed must be cleaned with luke warm saline or with any other commercial disinfectant to prevent E.coli infection, which in adverse cases of infection leads to diarrhoea and mortality. 4. The sheep and goat must be vaccinated against Enterotoxaemia infection. 5. To prevent mosquitoes menace the livestock shed may be fumigated with Vitex Negundo dried leaves once in a week 6. The newly kidded doe must be vaccinated with TT (Tetanus Toxide) 7. Sporadic incidence of Blue Tongue infection may occur in small ruminants. Hence stringent measures must be taken to control fly vector, (Culicoides). 8. Sheep and goat grazing on green lush newly erected grass are highly prone to Clostridium Perfringers type D infection. Hence they should not be allowed to graze in newly grown lush grass. This disease is also known as over eating diseases. 9. Present maximum and minimum temperature is feasible for rabbit production, hence the rabbit may be allowed for individual mating or colony mating. 10. The stagnated water around the poultry farms must be cleared immediately, to avoid the development of intermediate host of poultry cestode which tends to develop in stagnated water. Agricultural advisory Rice: Land preparation for samba season may be taken up using the expected light rainfall. Sugarcane: Mealy bug and pokkahboeng infection identified in sugarcane crop. Mealy bug affect growth of plants and pokkahboeng cause death of young spindles of sugarcane crop. To control spray imidacloprid 17.8 SL 0.6 ml/l or carbendazim 1.0 g/l. Groundnut: Due to prevailing weather condition changes of groundnut leaf

miner infection. To control spray Dimethiate 30 EC 660 ml/ha or methyl demeton 25% EC 1000 ml/ha with 500 lit of water. Maize: Prevailing weather condition is favorable for fall army worm infestation in maize crop. To control sprayspinetoram 0.5 ml/litre or chloratriniliprole 18.5 SC @ 0.4 ml/liter water. Chilli: To control the damping of infection in Chilli treat seeds with Trichoderma viride @ 4 g / kg or bacillus subtilis @ 10 g /kg of seeds treat with 24 hours before sowing. Brinjal To control the damping of infection in brinjal treat seeds with Trichoderma asperellum @ 4 g / kg or bacillus subtilis @ 10 g /kg of seeds treat with 24 hours before sowing. Tapioca: 1. Prevailing weather condition is favourable for mealy bug infestation in tapioca crop. To control spray Flonicamid 50 WG or Spirotetramat 150 OD (250ml/l) or Chloropyrifos (2.0 ml/l) or thiamethoxam 25% WG 100 g/ha with sticking agent. 2. Prevailing weather condition is favorable for mite infestation in tapioca crop. To control spray propargite 57% EC 2.0 ml/liter or spiromesifer 22.9 SC 1.0 ml/liter or dicofol 18.5 EC 2.0 ml/liter.

Thiruvannamalai

SMS Advisory: (16.09.2021-19.09.2021):

Thunderstorm with lightning is likely to occur at isolated places over Tamilnadu.

Livestock Advisory:

1. Since moderate rainfall is forecasted in the forthcoming week precautions must be taken to close the pit_outs in the roof of livestock shelter to prevent rainwater indulgence.
2. The floors in the livestock shelter must be cleaned and maintained damp free to prevent water logging. Moreover the floors must be sprinkled with bleaching powder to maintain biosecurity in farm.
3. The floor of nursery piglet shed must be cleaned with luke warm saline or with any other commercial disinfectant to prevent E.coli infection, which in adverse cases of infection leads to diarrhoea and mortality.
4. The sheep and goat must be vaccinated against Enterotoxaemia infection.
5. To prevent mosquitoes menace the livestock shed may be fumigated with Vitex Negundo dried leaves once in a week.
6. The newly kidded doe must be vaccinated with TT (Tetanus Toxide).
7. Sporadic incidence of Blue Tongue infection may occur in small ruminants. Hence stringent measures must be taken to control fly vector, (Culicoides).
8. Sheep and goat grazing on green lush newly erected grass are highly prone to Clostridium Perfringers type D infection. Hence they should not be allowed to graze in newly grown lush grass. This disease is also known as over eating diseases.
9. Present maximum and minimum temperature is feasible for rabbit production, hence the rabbit may be allowed for individual mating or colony mating.
10. The stagnated water around the poultry farms must be cleared immediately, to avoid the development of intermediate host of poultry cestode which tends to develop in stagnated water.

Agricultural advisory

Rice: 1. Prevailing weather condition is favorable for leaf folder incidence in rice. Hence farmers are requested to monitor the field and spray azadirachtin 0.03% 100ml/ha.

Groundnut: 2. Farmers may spray groundnut rich 2kg/acre in 200 liter of water in flowering/ podding stage. 3. Apply gypsum @400 kg/ha by the side of the plants on 40-70th day depending upon soil moisture.

Jasmine: 4. Prevailing weather condition is favorable for budworm incidence in jasmine. For controlling this, apply spinosad @ 0.5 ml/litre.

Tomato: 5. Prevailing weather condition is favorable for wilting in tomato crop. To control this, drenching with Copper oxychloride 2.5g/litre.

Bhedi: 6. Prevailing weather condition is favorable for yellow mosaic virus in bhendi crop. To control this, spray thiamethoxam 25%WG 2g/litre.

Brinjal: 7. To control shoot borer/ fruit borer, spray Azadirachtin 1% EC (10000 ppm) 3ml/litre or Flubendiamide 20WDG 7.5g/10 litre.

Papaya: 8. To control mealy bug attack in papaya spray neem oil 2% or neem seed kernel Extract @ 5%.

Coconut: 9. To control rhinoceros beetle in coconut, apply neem seed kernel powder + sand (1:2) @150 g per palm in the base of the 3 inner most leaves in the crown.

Guava: 10. To control fruit fly in guava use methyl eugenol lure trap (4/acre) to monitor and kill adults of fruit flies or apply neem oil 3%.

Turmeric: 11. Prevailing weather condition is favorable for Rhizome rot in turmeric. To control this, drenching with copper oxy chloride (0.25%) around the affected plants in soil.

Banana:

12. Spray 3 times with mancozeb 0.25% or carbendazim 0.1 % 10-15 days interval, to control sigatoka leaf spot.

Thiruvallur

From the extended range forecast, Above normal rainfall and normal temperature expected for the period of 19th to 25th September over Tamil Nadu. Light rainfall there may be expected from 16th, 17th & 19th September, so based on soil moisture provide irrigation to the crop.

Crop(Varieties)	Crop Specific Advisory
RICE	Sornavari Season- Rice- farmers are advised to harvest the mature crop and maintain 8-12% moisture content for safe storage.
RICE	Samba season- Rice-Nursery stage-1.Thrips- Spray Thiamethoxam 25% WG 4g/20 cent in 40 litre of water; 2.Green plant hopper- Broadcast carbofuran 3% CG 3.5 kg in 20 cents and Maintain 2.5 cm of water in the nursery.
RICE	Samba season- Rice- Transplanting and Tillering stage-1. Stem bore- Spray Azadirachtin 0.03% 400 ml (Or) Flubendiamide 20% WG 50g. (Or) ; 2.Whorl maggots- Spray Cartap hydrochloride 4% G 7.5-10 kg (or) Spray Fipronil 5% SC 400- 600 g per acre in 200 litres of water; 3.Leaf folder- Spray Acephate 75 % SP 400 ml (Or) Spray Azadirachtin 0.03% 400ml per acre in 200 litres of water; 4. Hispa/ spiny beetle- Spray Chlorpyriphos 20% EC 500 ml per acre in 200 litres of water.
BLACK GRAM	Black gram- Aphids- Spray Methyl demeton 25% EC 500 ml (or) Dimethoate 30% EC 500 ml per acre in 200 litres of water.
Crop(Varieties)	Crop Specific Advisory
GROUNDNUT	Ground nut- 1.Tobacco caterpillar- Spray Chlorpyriphos 20 EC 1500 ml (or) Chlorantraniliprole 18.5% SC @ 60 ml per acre in 200 litres of water; 2.Leaf miner- spray Methyl demeton 25 EC 1000 ml per acre in 200 litres of water and Set up light trap between 8 to 11 pm at ground level.
OKRA/ LADYFINGER	Bhendi- 1.Fruit borer- Spray Azadirachtin 0.03 % 5.0g / l. (or) Buprofezin 70 DF 5.5 ml/10 l; and Set up pheromone trap @ 5 / acre; 2.white fly- Spray Acetamiprid 20 SP 1.5g/10l (or) Dimethoate 30 EC 2.0 ml /l.
Live Stock(Varieties)	Live Stock Specific Advisory
COW	During these periods, vaccinate 6-month-old calves and older animals against Haemorrhagic Septicaemia (HS) as advised by the veterinarian.

Vellore

As per the IMD extended range forecast (ERF), Tamil Nadu and Puducherry may be receive above normal rainfall and normal temperature for the period of 19.09.2021 to 25.09.2021. Prevailing weather condition is favorable for pest and disease incidence for all crops. Farmers are advised to monitor their field and take necessary plant protection measures based on symptoms of damage. Protect dry paddy straw and sorghum straw from raining and subsequent fungal contamination. If so, avoid feeding them to cow. Very light to moderate rainfall may be expected on forthcoming days. So, avoid fertilizer application, insecticides or pesticides spray and provide drainage to lowland areas.

Crop(Varieties)	Crop Specific Advisory
RICE	Prevailing weather condition is favorable for leaf folder incidence in rice. Hence farmers are requested to monitor the field and spray chlorantraniliprole 5ml or Flubendiamide @ 0.7ml/litre.
Crop(Varieties)	Crop Specific Advisory
GROUNDNUT	To control leaf minor in groundnut, spray Malathian 50 EC 1.25 litre/ha. Tikka leaf spot, spray Mancozeb @ 2g / litre.
Horticulture(Varieties)	Horticulture Specific Advisory
BRINJAL	To control shoot borer/ fruit borer, spray Azadirachtin 1% EC (10000 ppm) 3ml/litre or Flubendiamide 20WDG 7.5g/10 litre.
GUAVA	To control guava mealy bug, spray profenophos @ 2ml / litre + neem oil 5 ml.
PAPAYA	To control papaya yellow mosaic virus, spray Imidachlopid @ 0.5 ml / litre.
Live Stock(Varieties)	Live Stock Specific Advisory
COW	The floors in the livestock shelter must be cleaned and maintained damp free to prevent water logging. Moreover the floors must be sprinkled with bleaching powder to maintain bio security in farm.
GOAT	Sporadic incidence of Blue Tongue infection may occur in small ruminants. Hence stringent measures must be taken to control fly vector (Culicoides).
Poultry(Varieties)	Poultry Specific Advisory
BREEDER	The stagnated water around the poultry farms must be cleared immediately, to avoid the development of intermediate host of poultry Cestode which tends to develop in stagnated water.

Coimbatore

Agro Advisory

Crop	Stage	Advisory
General		Light to moderate rainfall with wind speed of 15 - 20 km/hour is expected, hence provide adequate support to banana and sugarcane.
Rice	Nursery preparation and	Moderate rainfall is expected. Hence farmers are requested to stagnate the water in nursery during evening times. Due to high wind speed tip drying of leaves is observed in rice crop by

	Tillering	collision of leaves not by disease. Hence spraying of chemicals is not required.
Maize	Sowing	By utilizing past week and expected rainfall, maize crop can be sown in both under irrigated as well as rainfed condition. While growing the crop under rainfed condition one or two lifesaving irrigations in necessary.
Sorghum	Land preparation	By utilizing the anticipated rainfall, land preparation may be initiated in rainfed black soil for pre monsoon sowing.
Millet & Pulses	Flowering	With the receipt of anticipated rainfall, dry lands may be prepared for sowing millets and Pulses during Northeast Monsoon.
Sugarcane	Vegetative	Detrashing and propping may be done in six months old sugarcane to protect against anticipated high wind speed and rainfall.
Tapioca		Best time for planting tapioca under irrigated condition. The tapioca sett must be 15 cm long with 8-10 nodes, taken from middle portion of the stem. Before planting, sett should be dipped in carbendazim solution @ 1g in 1 lit water for 15 minutes.
Turmeric	Vegetative	Turmeric is at bulking stage, which is critical for both moisture stress and excess water. Hence, care should be taken to keep sufficient moisture and avoid excess moisture or over dry. In some pockets prevailing continuous dry weather is favorable for the thrips attack in turmeric and hence farmers are requested to monitor the crop carefully and spray if required Quinalphos @ 2 ml per liter of water.
Animal		Present weather is conducive for the initiation of foot and mouth disease in dairy animals and cattle. All farmers must vaccinate the animals to control the disease.

SMS advisory

With the receipt of anticipated rainfall dry lands may be prepared for sowing millets and Pulses during North East Monsoon.

Erode

Agro Advisory

Crop	Stage	Advisory
General		Light to moderate rainfall with wind speed of 15 - 20 km/hour is expected, hence provide adequate support to banana and sugarcane.
Rice	Nursery preparation and Tillering	Moderate rainfall is expected. Hence farmers are requested to stagnate the water in nursery during evening times. Due to high wind speed tip drying of leaves is observed in rice crop by collision of leaves not by disease. Hence spraying of chemicals is not required.
Maize	Sowing	By utilizing past week and expected rainfall, maize crop can be sown in both under irrigated as well as rainfed condition. While growing the crop under rainfed condition one or two lifesaving irrigations in necessary.
Sorghum	Land preparation	By utilizing the anticipated rainfall, land preparation may be initiated in rainfed black soil for pre monsoon sowing.
Millet & Pulses	Flowering	With the receipt of anticipated rainfall, dry lands may be prepared for sowing millets and Pulses during Northeast Monsoon.
Cotton		Since moderate rainfall is expected drainage may be provided to both

		rained and irrigated cotton crops.
Sugarcane	Vegetative	Detrashing and propping may be done in six months old sugarcane to protect against anticipated high wind speed and rainfall.
Banana		Rain may be accompanied with high wind speed of >15 km/hour. Provide adequate stacking to 5 months old and above banana against lodging.
Turmeric	Vegetative	Turmeric is at bulking stage, which is critical for both moisture stress and excess water. Hence, care should be taken to keep sufficient moisture and avoid excess moisture or over dry. In some pockets prevailing continuous dry weather is favorable for the thrips attack in turmeric and hence farmers are requested to monitor the crop carefully and spray if required Quinalphos @ 2 ml per liter of water.
Animal		Present weather is conducive for the initiation of foot and mouth disease in dairy animals and cattle. All farmers must vaccinate the animals to control the disease.

SMS advisory

With the receipt of anticipated rainfall dry lands may be prepared for sowing millets and Pulses during North East Monsoon.

Tiruppur

Agro Advisory

Crop	Stage	Advisory
General		Light to moderate rainfall with wind speed of 15 - 20 km/hour is expected, hence provide adequate support to banana and sugarcane.
Rice	Nursery preparation and Tillering	Moderate rainfall is expected. Hence farmers are requested to stagnate the water in nursery during evening times. Due to high wind speed tip drying of leaves is observed in rice crop by collision of leaves not by disease. Hence spraying of chemicals is not required.
Maize	Sowing	By utilizing past week and expected rainfall, maize crop can be sown in both under irrigated as well as rained condition. While growing the crop under rained condition one or two lifesaving irrigations in necessary.
Sorghum	Land preparation	By utilizing the anticipated rainfall, land preparation may be initiated in rained black soil for pre monsoon sowing.
Millets & Pulses	Flowering	With the receipt of anticipated rainfall, dry lands may be prepared for sowing millets and Pulses during Northeast Monsoon.
Cotton		Since moderate rainfall is expected drainage may be provided to both rained and irrigated cotton crops.
Sugarcane	Vegetative	Detrashing and propping may be done in six months old sugarcane to protect against anticipated high wind speed and rainfall.
Banana		Rain may be accompanied with high wind speed of >15 km/hour. Provide adequate stacking to 5 months old and above banana against lodging.
Turmeric	Vegetative	Turmeric is at bulking stage, which is critical for both moisture stress and excess water. Hence, care should be taken to keep sufficient moisture and avoid excess moisture or over dry. In some pockets prevailing continuous dry weather is favorable for the thrips attack in turmeric and hence farmers are requested to monitor the crop carefully and spray if required Quinalphos @ 2 ml per liter of water.

Animal		Present weather is conducive for the initiation of foot and mouth disease in dairy animals and cattle. All farmers must vaccinate the animals to control the disease.
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SMS advisory

With the receipt of anticipated rainfall dry lands may be prepared for sowing millets and Pulses during North East Monsoon.

Nilgiris

Agro Advisory

Crop	Stage	Advisory
General	All the stage	Next five days heavy rainfall expected at isolated places. Avoid irrigation, intercultural operation and application of plant protection measures and fertilizers to the standing crops.
		In Cabbage crop, 30–40 days old seedlings are selected for planting. Hardening of seedlings is done by withholding irrigation 4 - 6 days prior to planting.
Beetroot crops	Vegetative stage	Apply FYM at 20 t/ha and 60:160:100 kg of NPK/ha as basal and 60 kg N/ha after 30 days.
Carrot crop	Sowing stage	Spray Fluchloralin 1 lit a.i./ha immediately after sowing the seeds to control weeds or the first weeding to be done on 15th day of sowing.
Potato crop	Seed treatment	Use Carbon di Sulphide 30 g/100 kg of seeds for breaking the dormancy and inducing sprouting of potato seed tubers.
Plantation crops	Preparation of cuttings	In tea plantation, Cuttings are taken on September. Semi hardwood cuttings are prepared with one full leaf and an internode with a slanting cut at the bottom.

SMS advisory

In Beetroot crop, Apply FYM at 20 t/ha and 60:160:100 kg of NPK/ha as basal and 60 kg N/ha after 30 days.

Ariyalur, Karur & Perambalur

Agro-meteorological Advisory

- For samba nursery, applications of 2 kg DAP/cent is recommended. In samba nursery, spray Azadiraction 0.03% (3 ml/litre of water) with sticking agent Khadi Gopura Bar Soap @ 3g/litre to prevent thrips infection on 10 days after sowing. Light irrigation can be given in the evening hours to samba nursery (within 2 days after sowing) to avoid the displacement of paddy seeds.
- Proper drainage may be arranged and plan Kuruvai harvest accordingly. Harvest the Kuruvai paddy at ground level to avoided stem borer infestation in the thaladi season
- This situation is favorable for the development of Aflatoxin infection in the Corn kernels and Paddy Straw, which may affect the health of the cattle. To save them from infection, dry the Corn kernels and Paddy Straw before feeding.

SMS advisory

- Proper drainage may be arranged and plan Kuruvai harvest accordingly.

Nagapattinam, Thanjavur and Thiruvarur

Agro-meteorological Advisory:

Light irrigation can be given in the evening hours to samba nursery (within 2 days after sowing) to avoid the displacement of paddy seeds. For samba nursery, applications of 2 kg DAP/cent is recommended. In samba nursery, spray Azadiraction 0.03% (3 ml/litre of water) with sticking agent Khadi Gopura Bar Soap @ 3g/litre to prevent thrips infection on 10 days after sowing. Since light rainfall is expected for next 5 days, proper drainage may be arranged and plan Kuruvai harvest accordingly. Harvest the Kuruvai paddy at ground level to avoid stem borer infestation in the thaladi season. This situation is favorable for the development of Aflatoxin infection in the Corn kernels and Paddy Straw, which may affect the health of the cattle. To save them from infection, dry the Corn kernels and Paddy Straw before feeding.

SMS advisory:

Since light rainfall is expected for next 5 days, proper drainage may be arranged and plan Kuruvai harvest accordingly.

Dindigul

Thunderstorm with light to moderate rain is likely to occur at isolated places over the district on 16th to 19th September 2021. THUNDERSTORM WARNING: Thunderstorm with lightning is likely to occur at isolated places over Tamilnadu on 16 to 19 September 2021. Keep your Livestock / Animals safely in the shelters. Chances of light rain during 15, 16, 17, 18 Sep & Moderate rain on 19 Sep. Max temp- 36°C-37°C & Min temp -24°C-25°C. Generally cloudy sky for next 5 days. Wind speed 8 kmph from W & SW directions.

Crop(Varieties)	Crop Specific Advisory
CHRYSANTHEMUM	Due to the prevailing weather condition the incidence of Aphid is expected in Chrysanthemum. The aphid Nymphs and adults suck the sap from under surface of leaves and terminal shoots. The leaves get curled, the plants are stunted in growth and flowers are withering. To control spray Vercillium lecanii @ 15 g per litre of water.
Live Stock(Varieties)	Live Stock Specific Advisory
COW	Due to prevailing weather condition, calf may be affected with tiredness, hence, the cattle rearers are advised to feed their calf with 30gms of mineral mixture per day. Also, de-worm your calf in regular schedule with the support of nearby veterinarian.

Madurai

Thunderstorm with light to moderate rain is likely to occur at isolated places over the district on 16th to 19th September 2021. THUNDERSTORM WARNING: Thunderstorm with lightning is likely to occur at isolated places over Tamilnadu on 16 to 19 September 2021. Keep your Livestock / Animals safely in the shelters. Chances of light rain during 16, 17, 18 Sep & Moderate rain on 19 Sep. Max temp- 37°C-38°C & Min temp -24°C-26°C. Generally cloudy sky for next 5 days. Wind speed 8 kmph from W & SW directions.

Horticulture(Varieties)	Horticulture Specific Advisory
	Due to prevailing weather, the incidence of sucking pests, whitefly and spiraling

BRINJAL	whitefly attack in some agricultural and horticultural crops. Hence, farmers are advised to monitor the movement of sucking pests by installing yellow sticky traps @ 5Nos./acre. If any such incidences noticed, farmers can spray NSKE 5% or any other Neem formulations to manage the sucking pests.
Live Stock(Varieties)	Live Stock Specific Advisory
COW	Due to prevailing weather condition, calf may be affected with tiredness, hence, the cattle rearers are advised to feed their calf with 30gms of mineral mixture per day. Also, de-worm your calf in regular schedule with the support of nearby veterinarian.

Pudukottai

Extended Range Forecast For Tamil Nadu 12 .09.2021 to 18.09.2021. During the Week from 12 th to 18 th September Above Normal Rainfall . maximum temperature and minimum temperature Normal is likely to occur over Tamilnadu. In the prevailing weather condition leaf sheath diseases of paddy is noticed. To control spray carbendazim @ 1g per litre of water.

Crop(Varieties)	Crop Specific Advisory
RICE	It is right time to take up direct seeding in the ploughed soil by utilizing seed hardening with 1% KCl is to be done before sowing to withstand early moisture stress the rainfall during this month, in the Pudukkottai Districts. Seeds should be treated with Pseudomonas fluorescense 10g/kg of seed before sowing. The seed treatment increases seed germination, seedling vigour and controls the seed borne infection.
RICE	In rice cultivation application of 200 kg gypsum and 125 kg super phosphate per acre as basal application during main field preparation is essential. If the soil is low in nitrogen status, apply 35 kg urea per acre as basal.
Horticulture(Varieties)	Horticulture Specific Advisory
MANGO	This is the perfect time to plant a mango tree using the expected rain. Once a year in September, close branches should be pruned and only healthy branches should be grown so that the sunlight and air are available to the inner branches. The tree grows well and blooms.
COCONUT	Due to high RH and prevailing rainy weather, apply Copper Oxylchloride @ 2gm/lit Water to Prevent Bud Rot in young Coconut Plantations
BANANA	Banana All stages sigatoka leaf spot in banana, To control spraying of propiconazole 1 ml /litre + teepol 0.5 ml /litre.
Live Stock(Varieties)	Live Stock Specific Advisory
GOAT	Farmers are advised to deworm their goat and sheep to avoid the endoparasites. In goat and sheep, to avoid dehydration loss provide salt lick.

COW	The bushes and shrubs around diary shed must be cleaned, to ensure good ventilation as well to prevent vermin deposition.
Poultry(Varieties)	Poultry Specific Advisory
CHICKEN	The stagnated water around the poultry farms must be cleared immediately, to avoid the development of intermediate host of poultry cestode which tends to develop in stagnated water.

Ramanathapuram

From extended range forecast, Above normal rainfall, Normal maximum temperature and minimum temperature expected for the period of September 19 to September 25 over Tamil Nadu. Changing weather condition is favourable for ectoparasites in livestock so apply de-ticking solution like cypermethrin 1% (clinar) externally.

Crop(Varieties)	Crop Specific Advisory
COTTON	Due to the prevailing weather condition incidence of mealy bug is expected in cotton. The damage symptoms are heavy clustering of mealy bugs usually seen under surface of leaves as a thick mat with waxy secretion and excrete copious amount of honey dew on which the fungus sooty mould grow Affected plants appear sick and black, resulting reduced fruiting capacity. If symptoms are observed in cotton field apply neem oil 2% or fish oil rosin soap 25g/liter of water or Profenophos 800ml/ac.
Crop(Varieties)	Crop Specific Advisory
COTTON	Due to the prevailing weather conditions incidence of stem weevil is expected in cotton. The damage symptoms are swellings on the stem just above the ground level and Older plants that survive lack vigor and strength, breaks at the nodes due to strong wind. If damage symptoms are observed 10% of ETL uproot and destroy the infested plants and drenching collar region with chlorpyrifos 2.5ml/1 liters of water
Horticulture(Varieties)	Horticulture Specific Advisory
COCONUT	Due to the prevailing weather condition incidence of rogose whitefly is expected in coconut. High temperature, prolonged dry spell and low relative humidity is favourable for rugose whitefly multiplication. The damage symptoms are presence of heavy white waxy material and sticky honeydew on the under surface of leaves. Black sooty mold formation on the coconut leaves. If symptoms are observed in coconut tree Spray a jet of water forcibly on the under surface of the palm. Setting up of yellow sticky traps smeared with caster oil to a height of 5.5' @ 10/acre. Spraying with boiled maida flour paste @25g/liter of water. Spraying of 5 ml of neem oil in one liter of water along with 1 ml of sandovit.

Sivagangai

THUNDERSTORM WARNING: Thunderstorm with lightning is likely to occur at isolated places over Tamilnadu on 16 to 19 September 2021. Keep your Livestock / Animals safely in the shelters. Chances of

light rain during 16, 17 & 19 Sep. Max temp- 37°C-38°C & Min temp -24°C-26°C. Generally cloudy sky for next 5 days. Wind speed 8 kmph from W & SW directions.

Crop(Varieties)	Crop Specific Advisory
RICE	Application of Bio fertilizer in Paddy will give good result. Raise Azolla as a dual crop by inoculating 250kg/ha 3 to 5 DAT and then incorporate during weeding for the wet season crop. And broadcast 10kg of soil based powdered BGA flakes at 10 DAT and maintain a thin film of water for multiplication.
Live Stock(Varieties)	Live Stock Specific Advisory
COW	Due to prevailing weather condition, calf may be affected with tiredness, hence, the cattle rearers are advised to feed their calf with 30gms of mineral mixture per day. Also, de-worm your calf in regular schedule with the support of nearby veterinarian.

Theni

Thunderstorm with light to moderate rain is likely to occur at isolated places over the district on 16th to 19th September 2021. THUNDERSTORM WARNING: Thunderstorm with lightning is likely to occur at isolated places over Tamilnadu on 16 to 19 September 2021. Keep your Livestock / Animals safely in the shelters. Chances of light rain during 16, 17, 18 Sep & Moderate rain on 19 Sep. Max temp- 35°C-36°C & Min temp -23°C-24°C. Generally cloudy sky for next 5 days. Wind speed 8 kmph from W & SW directions.

Horticulture(Varieties)	Horticulture Specific Advisory
GRAPES	Prevailing weather condition the incense of Bird's Eye Spot (Anthracnos) disease may expected in Grapes. The disease appears first as dark red spots on the berry. Later, the fungus also attacks shoots, tendrils, petioles, leaf veins, and fruit stems. To manage the disease, remove the infected twigs from veins and spray 20gm of Copper oxychloride per 10 litres of water.
Live Stock(Varieties)	Live Stock Specific Advisory
COW	Due to prevailing weather condition, calf may be affected with tiredness, hence, the cattle rearers are advised to feed their calf with 30gms of mineral mixture per day. Also, de-worm your calf in regular schedule with the support of nearby veterinarian.

Virudhunagar District

Crop/ Ecosystem	Stage / Activities	Advisories
Block level Weather forecast		Light to moderate rain is likely to occur at isolated places on Day1 (15.09.21). Thunderstorm with light to moderate rain is likely to occur at isolated places on Day2 (16.09.21). Thunderstorm with light to moderate rain is likely to occur at isolated places from Day3 (17.09.21) to Day5 (19.09.21). 4-19 km/hr. of wind speed is predicted for block level.
Irrigated	Water	Postponed irrigation for coming five days. However, based on the crop stage,

crops	management	crop stress and the weather prevail in the particular location irrigation scheduling to be planned.
Rainfed crops	Field preparation	For conserving soil and water under rainfed conditions adopt soil and water conservation practices like broad bed and furrow, compartmental bunding and ridges and furrows for the dryland crops to be raised during the ensuing north east monsoon season. Use tractor drawn bund former, ridger and broad bed and furrow former for covering more area in a short time. Input arrangements may be made for the ensuing northeast monsoon sowing.
	Seed treatment	Adoption of sowing operation using the recent rainfall, farmers are advised to practice the seed treatment with chemicals like, Bevistin 2 g/ kg of seed followed (24 hrs later) bio fertilizer treatment viz., rhizobium 3 pkts for pulses; azospirillum 3 pkts for cereals and millets with phosphobacteria 3 pkts using rice gruel as sticking agent.
	Seed hardening	To increase the speed of germination and germination percentage under rainfed situation seed hardening is must. Sorghum - 2% Potassium dihydrogen phosphate (or) - 2 % Potassium chloride. Soaking time - 16 hours Cotton - 2 % Potassium chloride. Soaking time - 10 hours. (2% - Dissolve 20 gm of salt in 1000 ml of water. Soak 1 kg of seed in 650 ml of this solution and dry back to original moisture.) Pulses, black gram, green gram - 100 ppm Zinc sulphate, 100 ppm Manganese sulphate. Dissolve 1000 mg of salt in 1000 ml of water. Soak 1 kg of seed in 350 ml of the solution for 3 hours and dry back to original moisture or weight.
	Selection of varieties	For sowing during the ensuing northeast monsoon season under rainfed conditions select drought tolerant and pest and disease resistant varieties. KC 3 & K12 in Cotton, CoH(M) 6 in Maize, K 8 and K 12 in Sorghum, Vamban 6 & 8, MDU 1 in Black gram, CO 7 & CO 8 in Green gram are suitable for rainfed conditions.
Chilli	Nursery preparation	Inputs such as seeds & fertilizer may be kept ready for the sowing based on the rainfall distribution. Incorporate the neem cake in the soil to protect the seedlings from pest and diseases.
Groundnut	Vegetative stage	Prevailed weather is conducive for Tikka early leaf spot disease that occurs during 3-4 Weeks after sowing and its early spread through wind. Foliar spray with mancozeb at 0.2% (2 grams per liter) or 1kg per acre can be recommended to control the disease at early stage.
Livestock protection	Goat and sheep	Prevailed weather is conducive for Enterotoxaemia: A Bacterial disease causing severe illness and mortality in all ages of sheep and goats. Occurrence is more common in September, October and November months. Clinical Signs: Young lambs die suddenly without any symptoms. severe stomach pain, diarrhea difficulty in breathing convulsions before death may be observed in some animals. Prevention: Young animals should be vaccinated at 6 weeks of age and revaccination should be done every year prior to rainy season. Restrict the animals to young succulent grass pasture immediately after rainy season. Avoid sudden change in the feed.

SMS: Rain: 15 to 19.09.2021 – 2,6,4,8&15 mm. Ploughing to be done. Seed- Cotton (KC 3 & K12), Maize (CoH(M) 6), Sorghum (K 8 and K 12), Black gram (Vamban 6 & 8, MDU 1), Green gram (CO 7 & CO 8)

Tirunelveli District

Crop/ Ecosystem	Stage / Activities	Advisories
Block level Weather forecast		Light to moderate rain is likely to occur at isolated places on Day1 (15.09.21). Thunderstorm with light to moderate rain is likely to occur at isolated places on Day2 (16.09.21). Thunderstorm with light to moderate rain is likely to occur at isolated places from Day3 (17.09.21) to Day5 (19.09.21). Kalakadu block is predicted with moderate rainfall on Day 5 (19.09.2021). 6-26km/hr. block level wind speed is predicted.
Irrigated crops	Water management	Postponed irrigation for coming five days. However, based on the crop stage, crop stress and the weather prevail in the particular location irrigation scheduling to be planned.
Rainfed crops	Field preparation	For conserving soil and water under rainfed conditions adopt soil and water conservation practices like broad bed and furrow, compartmental bunding and ridges and furrows for the dryland crops to be raised during the ensuing north east monsoon season. Use tractor drawn bund former, ridger and broad bed and furrow former for covering more area in a short time. Input arrangements may be made for the ensuing northeast monsoon sowing.
	Seed treatment	Adoption of sowing operation using the recent rainfall, farmers are advised to practice the seed treatment with chemicals like, Bevistin 2 g/ kg of seed followed (24 hrs later) bio fertilizer treatment viz., rhizobium 3 pkts for pulses; azospirillum 3 pkts for cereals and millets with phosphobacteria 3 pkts using rice gruel as sticking agent.
	Seed hardening	To increase the speed of germination and germination percentage under rainfed situation seed hardening is must. Sorghum - 2% Potassium dihydrogen phosphate (or) - 2 % Potassium chloride Soaking time - 16 hours Cotton - 2 % Potassium chloride. Soaking time - 10 hours (2% - Dissolve 20 gm of salt in 1000 ml of water. Soak 1 kg of seed in 650 ml of this solution and dry back to original moisture.) Pulses, black gram, green gram - 100 ppm Zinc sulphate, 100 ppm Manganese sulphate. Dissolve 1000 mg of salt in 1000 ml of water. Soak 1 kg of seed in 350 ml of the solution for 3 hours and dry back to original moisture or weight.
	Selection of varieties	For sowing during the ensuing northeast monsoon season under rainfed conditions select drought tolerant and pest and disease resistant varieties. KC 3 & K12 in Cotton, CoH(M) 6 in Maize, K 8 and K 12 in Sorghum, Vamban 6 & 8 in Black gram, CO 7 & CO 8 in Green gram are suitable for rainfed conditions.
Chilli	Nursery preparation	Inputs such as seeds & fertilizer may be kept ready for the sowing based on the rainfall distribution. Incorporate the neem cake in the soil to protect the seedlings from pest and diseases.
Rice	Green manuring	Raising green manure and incorporation will help to reduce the

		fertilizer cost and improve the soil properties. For supplying nutrients to the rice crop to be raised during the ensuing September- October season raise green manure crops like daincha <i>in situ</i> using 20 kg/ ha seed rate.
Coconut	All stages	Rugose Spiralling whitefly is noticed in the prevailed weather condition. Application of water, maida solution as spray in order to increase the population of Encarsia parasitic. Also keep yellow stick trap.
Rice	Tillering stage and Flowering stage	Prevailed weather is conducive for Leaf folder. So farmers are advised to spray Azadirachtin 0.03% 1000ml/ha. (or) Chlorotriniptrole 18.5%SC @ 150g/ha. (or) Thiamethoxam 25% WG @ 100g/ha. The prevailing weather condition is conducive for incidence of Stem borer. Spray Azadirachtin 0.03% 1000 ml/ha (or) Carbofuran% 3 G @25 kg/ha (or) Chlorantraniliprole 18.5% SC 150 ml/ha.
Cotton	Vegetative stage and Harvesting stage	Prevailing weather is conducive for Mealy bug. To control Wherever necessary use botanical insecticides like neem derivatives such as neem oil 2%, NSKE 5% and Fish oil rosin. soap 25 g/lit. of water. Use of profenophos @ 2000 ml / ha may be adopted as an alternative.
Banana	Bunch development and harvest stage	High wind speed may damage the crop; hence farmers are requested to provide support to bunch (propping).
Live stock advisory	Forecast for September month	Anthrax - Preventive Measures: Ring vaccination and report of disease is advised. Vaccination to be done in consultation with the veterinarians and as decided by state animal husbandry authorities. Strict biosecurity measures May be followed. Carcass May be disposed by deep burying covered with lime powder. Contaminated area May be disinfected with 4% formalin or 10% caustic soda. Grazing area May be restricted.

SMS: Rain: 15 to 19.09.2021 – 5,2,5&15 mm. Ploughing to be done. Seed- Cotton (KC 3 & K12), Maize (CoH(M) 6), Sorghum (K 8 and K 12), Black gram (Vamban 6 & 8, MDU 1), Green gram (CO 7 & CO 8)

Thoothukudi District

Crop/ Ecosystem	Stage / Activities	Advisories
Block level Weather forecast		Thunderstorm with light to moderate rain is likely to occur at isolated places from Day3 (17.09.21) to Day5 (19.09.21). Kayathar block is predicted with moderate rainfall on day 5 (19.09.2021) 6-26 km/hr. wind speed is predicted for block level
Irrigated crops	Water management	Irrigation may be given. However, based on the weather prevail in the particular location irrigation scheduling to be planned.
Rainfed crops	Field preparation	For conserving soil and water under rainfed conditions adopt soil and water conservation practices like broad bed and furrow, compartmental bunding and ridges and furrows for the dryland crops to be raised during the ensuing north east monsoon season. Use tractor drawn bund former, ridger and broad bed and furrow former

		for covering more area in a short time. Input arrangements may be made for the ensuing northeast monsoon sowing.
	Seed treatment	Adoption of sowing operation using the recent rainfall, farmers are advised to practice the seed treatment with chemicals like, Bevistin 2 g/ kg of seed followed (24 hrs later) bio fertilizer treatment viz., rhizobium 3 pkts for pulses; azospirillum 3 pkts for cereals and millets with phosphobacteria 3 pkts using rice gruel as sticking agent.
	Seed hardening	To increase the speed of germination and germination percentage under rainfed situation seed hardening is must. Sorghum - 2% Potassium dihydrogen phosphate (or) - 2 % Potassium chloride Soaking time - 16 hours Cotton - 2 % Potassium chloride. Soaking time - 10 hours (2% - Dissolve 20 gm of salt in 1000 ml of water. Soak 1 kg of seed in 650 ml of this solution and dry back to original moisture.) Pulses, black gram, green gram - 100 ppm Zinc sulphate, 100 ppm Manganese sulphate. Dissolve 1000 mg of salt in 1000 ml of water. Soak 1 kg of seed in 350 ml of the solution for 3 hours and dry back to original moisture or weight.
	Selection of varieties	For sowing during the ensuing northeast monsoon season under rainfed conditions select drought tolerant and pest and disease resistant varieties. KC 3 & K12 in Cotton, CoH(M) 6 in Maize, K 8 and K 12 in Sorghum, Vamban 6 & 8 in Black gram, CO 7 & CO 8 in Green gram are suitable for rainfed conditions.
Chilli	Nursery preparation	Inputs such as seeds & fertilizer may be kept ready for the sowing based on the rainfall distribution. Incorporate the neem cake in the soil to protect the seedlings from pest and diseases.
Paddy	Tillering stage and Harvest stage	The prevailing weather condition is conducive for incidence of Stem borer. Spray Azadirachtin 0.03% 1000 ml/ha (or) Carbofuran% 3 G @25 kg/ha (or) Chlorantraniliprole 18.5% SC 150 ml/ha. Prevailed weather is conducive for Leaf folder. So farmers are advised to spray Azadirachtin 0.03% 1000ml/ha. (or) Chlorontrinirole 18.5%SC @ 150g/ha. (or) Thiamethoxam 25% WG @ 100g/ha. The prevailing weather condition is conducive for Bacterial leaf blight incidence. Severe winds, which cause wounds and over fertilization are suitable factors for the development of the disease. Spray neem oil 3% or NSKE 5% (or) fresh cowdung extract for the control of bacterial blight. (Dissolve 20 g cowdung in one litre of water; allow to settle and sieve. Use supernatant liquid starting from initial appearance of the disease and another at fortnightly interval. Two sprays of Copper hydroxide 77 WP@1.25 kg/ha 30 DAP & 45 DAP.
Groundnut	Vegetative stage	The prevailing weather condition is conducive for incidence of Thrips. Apply Quinalphos 25%EC 1400 ml/ha. The prevailing weather condition is conducive for incidence of leaf miner. Apply Dimethiate 30 EC 660 ml/ha (or) Methyl demeton 25% EC 1000 ml/ha
Dry land cultivation	Crop residue recycling	In order to improve the soil quality recycles the residues of harvested crops of maize, sorghum and pulses. Use rotovator or roto-slasher for

		cutting the residues into small pieces and incorporate them into the soil.
Banana	Bunch development and harvest stage	High wind speed may damage the crop; hence farmers are requested to provide support to bunch (propping).

SMS: Rain: 17 to 19.09.2021 –4,6&8. Ploughing to be done. Seed for rabi sowing - Cotton (KC 3 & K12), Maize (CoH(M) 6), Sorghum (K 8 and K 12), Black gram (Vamban 6 & 8, MDU 1), Green gram (CO 7 & CO 8)

Tamil Nadu			
Next five days	Weather Warning	Heavy rain is likely to occur at isolated places over Nilgiris district. Light to moderate rain is likely to occur at isolated places over Western Ghat districts & adjoining interior districts and South Tamilnadu on Day 1 (15.09.2021). Thunderstorm with light to moderate rain is likely to occur at isolated places over Western Ghat districts & adjoining interior districts and South Tamilnadu on Day 2 (16.09.2021). Thunderstorm with light to moderate rain is likely to occur at isolated places over Coastal Tamilnadu, Interior Tamilnadu, Nilgiris and Coimbatore districts, Puducherry and Karaikal from Day 3(17.09.2021) to Day 5 (19.09.2021).	
	Heavy Rainfall Warning	Day 1(15.09.2021): Heavy rain is likely to occur at isolated places over Nilgiris district.	
	Thunderstorm Warning	Day 2(16.09.2021) to Day 5(19.09.2021): Thunderstorm with lightning is likely to occur at isolated places over Tamilnadu.	

Salem

Weather Advisory Bulletin for livestock, poultry and agriculture

Livestock, Poultry and Crop	Stage	Weather advisory
Agro advisory from Krishi Vigyan Kendra, Salem:		
Paddy	Vegetative	In rice for the management of rice leaf folder: Release Trichogramma thrice (at 37, 44, 51 days after transplanting) @ 1,00,000/ha (5cc) each Spray any one of the following insecticides per ha: Acephate 95 % SG 590 g Azadirachtin 0.03% 1000 ml Chlorantraniliprole 18.5% SC 150 g Flubendiamide 39.35% M/M SC 50 g Thiamethoxam 25% WG 100 g
Tapioca	Vegetative	In tapioca for the management of mealybugs, follow the following recommendations:Clipping the terminal shootsCollection and destruction of mealybugs infested plants.During Initial stages of infestation spray azadirachtin 0.15% EC @ 5 ml/lit. Or FORS @ 2ml/litNeed based application of insecticides viz.,flonicamide 50 WG @ 0.3 gm /lit or thiamethoxam 25 WG@ 0.5gm/lit or Spirotetramet 150 OD@ 1.25ml/lit in rotation.During application combining the insecticides should be avoided.Spray should be done on need basis

		using high volume sprayer, directing all parts of the plants, weeds and leaf litters in and around the field
Brinjal	Vegetative	In brinjal for the management of brinjal shoot and fruit borer Remove the affected terminal shoot showing boreholes. Remove the affected fruits and destroy. Avoid using synthetic pyrethroids. Spray Neem Seed Kernel Extract 5 % or any one of the following chemicals starting from one month after planting at 15 days interval Azadirachtin 1.0% EC (10000 ppm) - 3.0 ml/l. Azadirachtin 0.03 % WSP (300 ppm) - 5.0 g/l. Dimethoate 30 % EC - 7.0 ml/10 l. Emamectin benzoate 5 % SG - 4 g/10 l. Flubendiamide 20 WDG - 7.5 g/10 l.
Jasmine	Vegetative	In jasmine for red spider mite spray any one of the following <ul style="list-style-type: none"> • Fenazaquin 10 % EC @ 2 ml/lit. • Propargite 57 % EC @ 2ml/lit. • Wettablesulphur 50 WP @ 2 g/lit.
Livestock and Poultry	General	To avoid mastitis disease in milching animals use potassium permanganate for cleaning the udder before and after milking. Due to high wind speed feed material of poultries may be drifted hence hanging of gunny bags at the borders of the shed to reduce the wind speed.

Namakkal

Weather Advisory Bulletin for livestock, poultry and agriculture

Livestock, poultry & Crop	Stage	Weather advisory
Cattle and Buffalo	Adult	Haemorrhagic Septicaemia disease mostly occurred in rainy season. This disease mainly affects the milking animals like buffalo and cross breed cows. The main symptoms are fever, dysentery, swelling of lower mandible and death. Vaccinate the animal once in a year before onset of rainy season.
Sheep and Goat	Young and Adult	Worm control in sheep and goats Gastro – intestinal nematode infection is very common in sheep and goats during monsoon due to presence of large number of infective larvae in the pasture land. Hence sheep and goats may be dewormed after being screened their faecal samples for G.I nematodes.
Ethno Veterinary Herbal Research Centre for Poultry, Namakkal		
Poultry	Adult birds	Ethno Veterinary practices to control lice infestation in native chicken Take 10 sticks of Vasambu (Acorus calamus), powder it and mix with 5 litres of water and dip the affected hen sparing the head. The same ratio should be sprayed around the poultry pen to kill the nits. The procedure must be repeated after a week for complete eradication of lice.

		Brooding hens should not be dipped, instead vasambu powder can be mixed with equal quantity of ash and dusted all over the body.
Agro advisory from Krishi Vigyan Kendra, Namakkal :		
Castor	Flowering stage	Semi lopper incidence occurred in castor crop in current weather condition. Hence farmers are advised to spray chlorantraniliprole @ 0.5 ml / litre of water during morning hours to control semi lopper incidence.
Small onion	Sowing period	Small onion farmers are requested to do bulb treatment with either Trichoderma viride or Bacillus @ 1 kg for 500 kg of onion bulb during puratasi pattam. Then apply 2 kg of bacillus or Trichoderma viride along with 500 kg of well decomposed Farmyard manure at the time of last ploughing.
Green gram	Sowing period	Farmers are requested to apply 2 kg pulses micro nutrient mixture alongwith 20 kg farm yard manure as basal dose for green gram.
Paddy	Transplanting	Farmers are requested to apply 10 kg of enriched paddy micronutrient mixture to alleviate the micronutrient deficiency and get more yield.

Dharmapuri

Weather Advisory Bulletin for livestock, poultry and agriculture

Livestock, Poultry and Crop	Stage	Weather advisory
Agro advisory from Krishi Vigyan Kendra, Dharmapuri :		
Paddy	Weeding	For rice grower, to saves labour for weeding, aerates the soil and root zone, prolongs the root activity, and improves the grain filling though efficient translocation and ultimately the grain yield, use of rotary weeder from 15 DAT at 10 days interval is advised.
Tapioca	Vegetative	Management practices to be followed on white mealy bug affected plant in tapioca: Infected shoots should be removed Collect infected dry plants and discard or burn away from the field. In early stage of infection, any one of the following insecticide can be spray: Azadirachtin 0.15 % @ 50 ml/ litre of water Fish oil resin soap @ 2.0 ml/ litre of water Any one of the following insecticide can be sprayed on rotation basis as and required Thiamethoxam 25 WG @0.5 gram /litre of water Flonicamid 50 WG @ 0.3 gram/ litre of water Spirotetramat 150 OD @ 1.25 ml / litter of water
Livestock	General	Foot and mouth disease in cattle Ingredients required: Cumin - 10g Fenugreek- 10g Pepper - 10g Turmeric powder - 10g Garlic - 4 Nos.

		<p>Coconut - 1 No. Jaggery - 120g Procedure:</p> <ul style="list-style-type: none"> - Soak cumin, fenugreek and pepper in water for 20-30 mins. - Grind the soaked ingredients into a fine paste. - Grate 1 full coconut and mix it with the grinded mixture using hands. - For effective result use freshly prepared mixture only. <p>Method of use:</p> <ul style="list-style-type: none"> - Apply the mixture in the mouth, tongue and also inner corners of the mouth. - Apply the mixture 3 times per day for 3-5 days.
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Krishnagiri

Weather Advisory Bulletin for livestock, poultry and agriculture

Livestock, poultry & Crop	Stage	Weather advisory
Cattle and Buffalo	Adult	Haemorrhagic Septicaemia disease mostly occurred in rainy season. This disease mainly affects the milking animals like buffalo and cross breed cows. The main symptoms are fever, dysentery, swelling of lower mandible and death. Vaccinate the animal once in a year before onset of rainy season.
Sheep and Goat	Young and Adult	Worm control in sheep and goats Gastro – intestinal nematode infection is very common in sheep and goats during monsoon due to presence of large number of infective larvae in the pasture land. Hence sheep and goats may be dewormed after being screened their faecal samples for G.I nematodes.
Ethno Veterinary Herbal Research Centre for Poultry, Namakkal		
Poultry	Adult birds	Ethno Veterinary practices to control lice infestation in native chicken Take 10 sticks of Vasambu (Acorus calamus), powder it and mix with 5 litres of water and dip the affected hen sparing the head. The same ratio should be sprayed around the poultry pen to kill the nits. The procedure must be repeated after a week for complete eradication of lice. Brooding hens should not be dipped, instead vasambu powder can be mixed with equal quantity of ash and dusted all over the body.
Agro advisory from Krishi Vigyan Kendra, Namakkal :		
Castor	Flowering stage	Semi lopper incidence occurred in castor crop in current weather condition. Hence farmers are advised to spray chlorantraniliprole @ 0.5 ml / litre of water during morning hours to control semilopper incidence.
Small onion	Sowing period	Small onion farmers are requested to do bulb treatment with either Trichoderma viride or Bacillus @ 1 kg for 500 kg of onion bulb during puratasi pattam. Then apply 2 kg of bacillus or Trichoderma viride along with 500 kg of well decomposed Farmyard manure at the time of last ploughing.
Green gram	Sowing period	Farmers are requested to apply 2 kg pulses micro nutrient mixture alongwith 20

		kg farm yard manure as basal dose for green gram.
Paddy	Transplanting	Farmers are requested to apply 10 kg of enriched paddy micronutrient mixture to alleviate the micronutrient deficiency and get more yield.

Karaikal

Weather based Agro-Advisories.

For direct seeded rice, sowing may be done upto 30th September. To manage weeds in direct dry seeded rice, apply pendimethalin @ 3.3 l/ha followed by bispyripac sodium @ 200 ml /ha as early post emergence (20 DAS) and followed by hand weeding on 40 DAS to manage weeds. Before the onset of monsoon, animals may be vaccinated for Foot and Mouth Disease and Hemorrhagic Septicemia. Grazing animals that are drinking pond water should be dewormed.

SMS: Dry weather is expected on 15th and 16th September. Hence, farmers are advised to apply herbicide to rice nursery and direct seeded rice.

Puducherry

Weather based Agro-Advisories

In Groundnut, to manage tikka leaf spot disease, spray Mancozeb @ 2g/ litre or Carbendazim @ 1g/ litre or Chlorothalonil @ 2g/litre or Carbendazim+Mancozeb @ 1g/ litre or Propiconazole @ 1ml/ litre. To manage sigatoka leaf spot in banana, spray Mancozeb @ 2g/ litre or Carbendazim @ 1g/ litre or Chlorothalonil @ 2g/ litre or Propiconazole @ 1ml/ litre or Copper-oxy-chloride @ 2.5g/ litre along with wetting agent. In papaya, to manage white fly transmitted yellow mosaic virus, spray Imidachloprid @ 0.5 ml/ litre or Dimethoate @ 1.5 ml/ litre followed by ZnSO₄ 0.5% + boron 0.1%. Before the onset of monsoon, animals may be vaccinated for Foot and Mouth Disease and Hemorrhagic Septicemia. Grazing animals that are drinking pond water should be dewormed.

SMS: Farmers are advised to postpone irrigation to the crops as light rain is expected on 16th and 19th September.

BLOCK LEVEL FORECAST

NILGIRIS DISTRICT

Coonoor, Gudalur, Kotagiri and Ooty Blocks

Agro Advisory

Crop	Stage	Advisory
General	All the stage	Next five days heavy rainfall expected at isolated places. Avoid irrigation, intercultural operation and application of plant protection measures and fertilizers to the standing crops.
		In Cabbage crop, 30–40 days old seedlings are selected for planting. Hardening of seedlings is done by withholding irrigation 4 - 6 days prior to planting.

Beetroot crops	Vegetative stage	Apply FYM at 20 t/ha and 60:160:100 kg of NPK/ha as basal and 60 kg N/ha after 30 days.
Carrot crop	Sowing stage	Spray Fluchloralin 1 lit a.i./ha immediately after sowing the seeds to control weeds or the first weeding to be done on 15th day of sowing.
Potato crop	Seed treatment	Use Carbon di Sulphide 30 g/100 kg of seeds for breaking the dormancy and inducing sprouting of potato seed tubers.
Plantation crops	Preparation of cuttings	In tea plantation, Cuttings are taken on September. Semi hardwood cuttings are prepared with one full leaf and an internode with a slanting cut at the bottom.

SMS advisory

In Beetroot crop, Apply FYM at 20 t/ha and 60:160:100 kg of NPK/ha as basal and 60 kg N/ha after 30 days.

