



जिला स्तर तमिलनाडु के लिए कृषि मौसम सलाहकार बुलेटिन

## **DISTRICT LEVEL**

# **Agro meteorological Advisory Bulletin for the state of Tamil Nadu Bulletin No. 072/2021**

For the period 0830 IST, 07<sup>th</sup> September 2021 to  
0830 IST, 12<sup>th</sup> September 2021

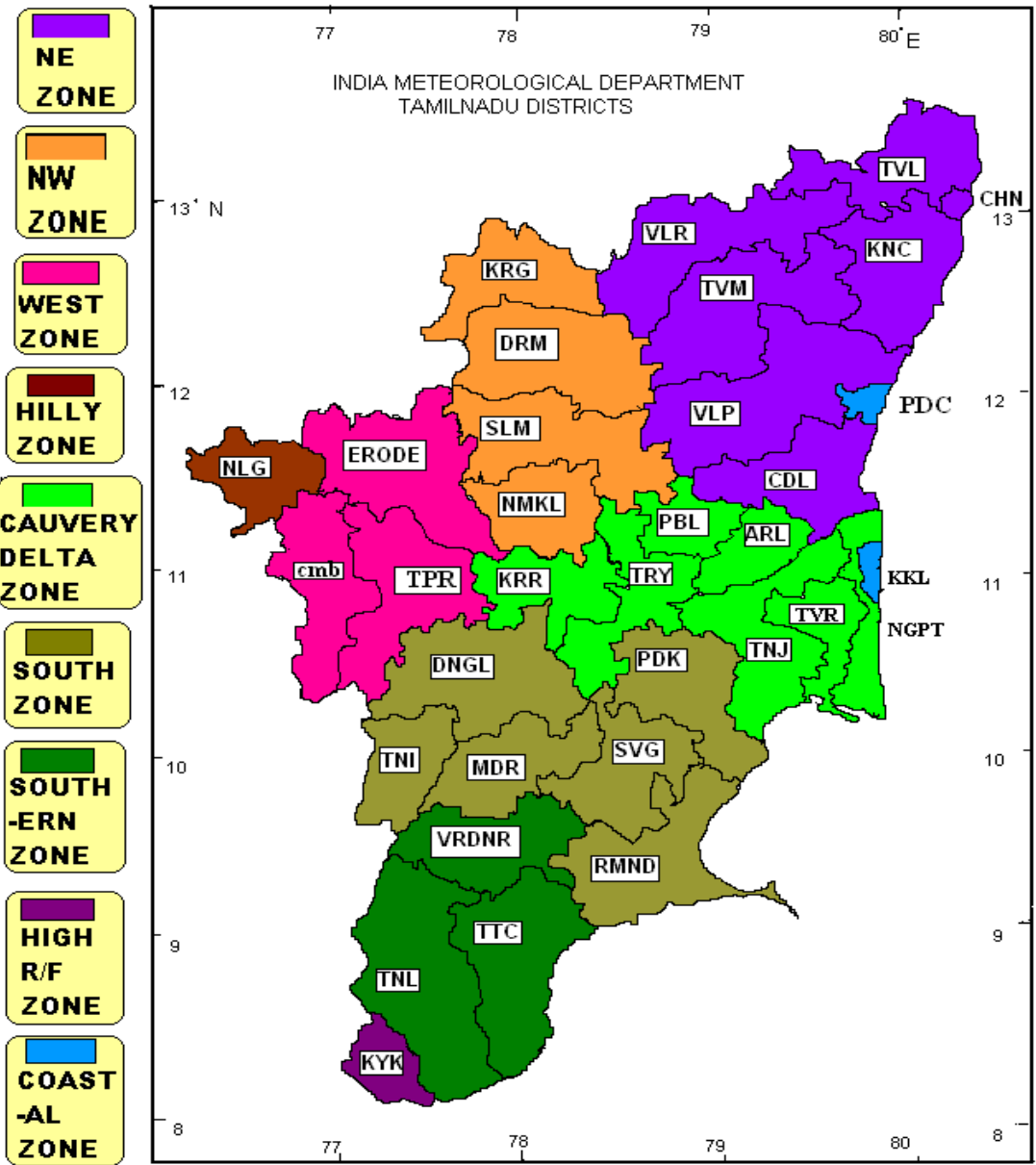
**Issued on Tuesday, 07<sup>th</sup> September 2021**

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<br>Tiruvannamalai, Chennai, Villupuram ,<br>Vellore     | Chennai                             |
| 2      | Northwestern zone  | Dharmapuri, Krishnagiri, Salem and<br>Namakkal   | Namakkal                            |
| 3      | Western Zone       | Erode, Tiruppur and Coimbatore,  | Coimbatore,                         |
| 4      | Cauvery Delta zone | Thanjavur, Nagapattinam, Thiruvarur,<br>Karur, Perambalur, Ariyalur and<br>Tiruchirapalli. | Adudurai                            |
| 5      | Southern zone      | Virudhunagar, Tirunelveli and<br>Thoothugudi   | Kovilpatti                          |
| 6      | South Zone         | Pudukkottai, Madurai, Dindigul, Theni,<br>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 03.09.21 to 06.09.21 for the State of Tamilnadu & Puducherry**

**Temperature:**

Maximum Temperature of range **28°C – 36°C** prevailed over the state. Kodaikanal and Uthagamandalam recorded Maximum temperature range **15°C – 19°C** during the period.

Minimum temperature of range **21°C - 26°C** prevailed over the State. Kodaikanal and Uthagamandalam recorded Minimum temperature of range **10°C - 11°C** during the same period.

**Spatial distribution of Rainfall**

| Spatial distribution of Rainfall | Date   | Area                     |
|----------------------------------|--|--------------------------|
| Widespread (Most places)         | 03.09.21   | Puducherry               |
| Fairly widespread (Many places)  | 03.09.21 & 06.09.21                                  | Tamil Nadu               |
| Scattered (Few Places)           | 04.09.21 & 05.09.21<br>04.09.21, 05.09.21 & 06.09.21 | Tamil Nadu<br>Puducherry |
| Isolated (One or Two Places)     | --   | --                       |
| Dry                              | --   | --                       |

**Chief Amounts of Rainfall (in cms):-**

**03.09.21** : Yethapur (dist Salem) 13, Salem (dist Salem), Pattukottai (dist Thanjavur), Manamelkudi (dist Pudukkottai) 9 each, Rasipuram (dist Namakkal), Yercaud (dist Salem), Madukkur (dist Thanjavur) 8 each, Alangudi (dist Pudukkottai), Ponnamaravathi (dist Pudukkottai), Muthupet (dist Tiruvarur), Avudayarkoil (dist Pudukkottai), Danishpet (dist Salem), Tirumayam (dist Pudukkottai), Manapparai (dist Trichy), Karur (dist Karur) 7 each, Pappireddipatti (dist Dharmapuri), Arimalam (dist Pudukkottai), Omalur (dist Salem), Perungalur (dist Pudukkottai), Ponmalai (dist Trichy), Needamangalam (dist Tiruvarur), Thuvakudi Imti (dist Trichy), Peravurani (dist Thanjavur) 6 each, Trichy Ap (dist Trichy), Ariyalur (dist Ariyalur), Trichy Town (dist Trichy), Valangaiman (dist Tiruvarur), Adirampatnam (dist Thanjavur), Sendurai (dist Ariyalur), K.Paramathi (dist Karur), Attur (dist Salem), Bhuvanagiri (dist Cuddalore), Manjalaru (dist Thanjavur), Chengam (dist Tiruvannamalai), Pudukottai (dist Pudukkottai) 5 each, Uthukuli (dist Tiruppur), Thiruthuraiipoondi (dist Tiruvarur), Thiruvidaimaruthur (dist Thanjavur), Krishnagiri (dist Krishnagiri), Natrampalli (dist Tirupattur), Ayyampettai (dist Thanjavur), Avinasi (dist Tiruppur), Virudachalam (dist Cuddalore), Thammampatty (dist Salem), Thanjai Papanasam (dist Thanjavur), Tiruchengode (dist Namakkal), Mangalapuram (dist Namakkal) 4 each, Marungapuri (dist Trichy), Budalur (dist Thanjavur), Kumbakonam (dist Thanjavur), Barur (dist Krishnagiri), Mettur (dist Salem), Kodumudi (dist Erode), Thanjavur (dist Thanjavur), Mayiladuthurai (dist Mayiladuthurai),

Palacode (dist Dharmapuri), Mannargudi (dist Tiruvarur), Puducherry (dist Puducherry), Vattanam (dist Ramanathapuram), Vedaranyam (dist Nagapattinam), Chittampatti (dist Madurai), Kovilpatti (dist Toothukudi), Kovilpatti (dist Trichy), Mayanur (dist Karur), Tiruttani (dist Tiruvallur), Mohanur (dist Namakkal), Sivaganga (dist Sivaganga), Kodavasal (dist Tiruvarur), Thuraiyur (dist Trichy), Panchapatti (dist Karur), Annavasal (dist Pudukkottai), Dharmapuri Pto (dist Dharmapuri), Dindigul (dist Dindigul), Vallam (dist Thanjavur), Krishnarayapuram (dist Karur), Chettikulam (dist Perambalur), Pandavaiyar Head (dist Tiruvarur), Manalmedu (dist Mayiladuthurai), Denkanikottai (dist Krishnagiri), Devakottai (dist Sivaganga), Thirumanur (dist Ariyalur), Karambakudi (dist Pudukkottai), Tiruvaiyaru (dist Thanjavur), Thali (dist Krishnagiri), Erumapatti (dist Namakkal), Sendamangalam (dist Namakkal), Annur (dist Coimbatore), AP Peelamedu (dist Coimbatore) 3 each, Vadapudupattu (dist Tirupattur), Arantangi (dist Pudukkottai), Naduvattam (dist Nilgiris), Harur (dist Dharmapuri), Bhavani (dist Erode), Orthanad (dist Thanjavur), Mimisal (dist Pudukkottai), Tirupathur (dist Sivaganga), Melalathur (dist Vellore), Vaniyambadi (dist Tirupattur), Karaikal (dist Karaikal), Nedungal (dist Krishnagiri), Tirupathur PTO (dist Tirupattur), Vepur (dist Cuddalore), Keeranur (dist Pudukkottai), Chinnakalar (dist Coimbatore), Pennagaram (dist Dharmapuri), Karaikudi (dist Sivaganga), Tirukoilur (dist Kallakurichi), Grand Anaicut (dist Thanjavur), Sholingur (dist Ranipet), Chidambaram (dist Cuddalore), Puduchatram (dist Namakkal), Katpadi (dist Vellore), Kodaikanal (dist Dindigul), Pochampalli (dist Krishnagiri), Vazhapadi (dist Salem), Ambur (dist Tirupattur), Natham (dist Dindigul), Illuppur (dist Pudukkottai), Kollidam (dist Mayiladuthurai), Jayamkondam (dist Ariyalur), Tiruppur (dist Tiruppur), Sular (dist Coimbatore), Ammundi (dist Vellore), Sankarapuram (dist Kallakurichi), Gandarvakottai (dist Pudukkottai), Chidambaram Aws (dist Cuddalore), Thanjavur PTO (dist Thanjavur), Kumarapalayam (dist Namakkal), Veeraganoor (dist Salem), Alangayam (dist Tirupattur), Ramanathapuram (dist Ramanathapuram), Viralimalai (dist Pudukkottai), Cuddalore (dist Cuddalore), Tindivanam (dist Villupuram), Musiri (dist Trichy), Dharamapuri (dist Dharmapuri), Lalgudi (dist Trichy), Nagapattinam (dist Nagapattinam), Tirupattur (dist Tirupattur), Edapadi (dist Salem), Kadavur (dist Karur), Melur (dist Madurai), Gudiyatham (dist Vellore), Devala (dist Nilgiris) 2 each, Anjatti (dist Krishnagiri), Vathalai Anaicut (dist Trichy), Pulipatti (dist Madurai), Tirukattupalli (dist Thanjavur), Paramathivelur (dist Namakkal), Uthangarai (dist Krishnagiri), Namakkal (dist Namakkal), Kangeyam (dist Tiruppur), Pullambadi (dist Trichy), Tiruvadana (dist Ramanathapuram), Pechiparai (dist Kanyakumari), Mettupatti (dist Madurai), Nannilam (dist Tiruvarur), Pelandurai (dist Cuddalore), K.M.Koil (dist Cuddalore), Tiruvarur (dist Tiruvarur), Palavidithi (dist Karur), Srimushnam (dist Cuddalore), Veppanthattai (dist Perambalur), Glenmorgan (dist Nilgiris), Virinjipuram Aws (dist Vellore), Tirupuvanam (dist Sivaganga), Valparai Taluk Office (dist Coimbatore), Sethiathope (dist Cuddalore), Pallipattu (dist Tiruvallur), Peraiyur (dist Madurai), Tondi (dist Ramanathapuram), Vellore (dist Vellore), Erode (dist Erode), Parangipettai (dist Cuddalore), Upper Bhavani (dist Nilgiris), Sirkali (dist Mayiladuthurai), Thalaigayner (dist Nagapattinam), Erayur (dist Perambalur), Vilupuram (dist Villupuram), Kallakurichi (dist Kallakurichi), Tirupoondi (dist Nagapattinam), Samayapuram (dist Trichy), Odanchatram (dist Dindigul), Thogamalai (dist Karur), Vanur (dist Villupuram), Aravakurichi (dist Karur), Hogenekal (dist Dharmapuri), Sholavandan (dist Madurai), Valparai PTO (dist Coimbatore), Gobichettipalayam (dist Erode), Palladam (dist Tiruppur), Kulithalai (dist Karur), Thalavadi (dist Erode), Rayakottah (dist Krishnagiri), Bhavanisagar (dist Erode), Padalur (dist Perambalur), Perundururai (dist Erode), Paramakudi (dist Ramanathapuram), Tarangambadi (dist Mayiladuthurai), Kancheepuram (dist Kancheepuram), Uthagamandalam (dist Nilgiris), Thathiengrpet (dist Trichy), Coonoor (dist Nilgiris), Kurinjipadi (dist Cuddalore), Perambalur (dist Perambalur), Thekkadi (dist Theni) 1 each.

**04.09.21** : Yercaud (dist Salem) 13, Sathanur Dam (dist Tiruvannamalai), Illayangudi (dist Sivaganga), Yercaud AWS (dist Salem) 6 each, Hogenekal (dist Dharmapuri), Jayamkondam (dist

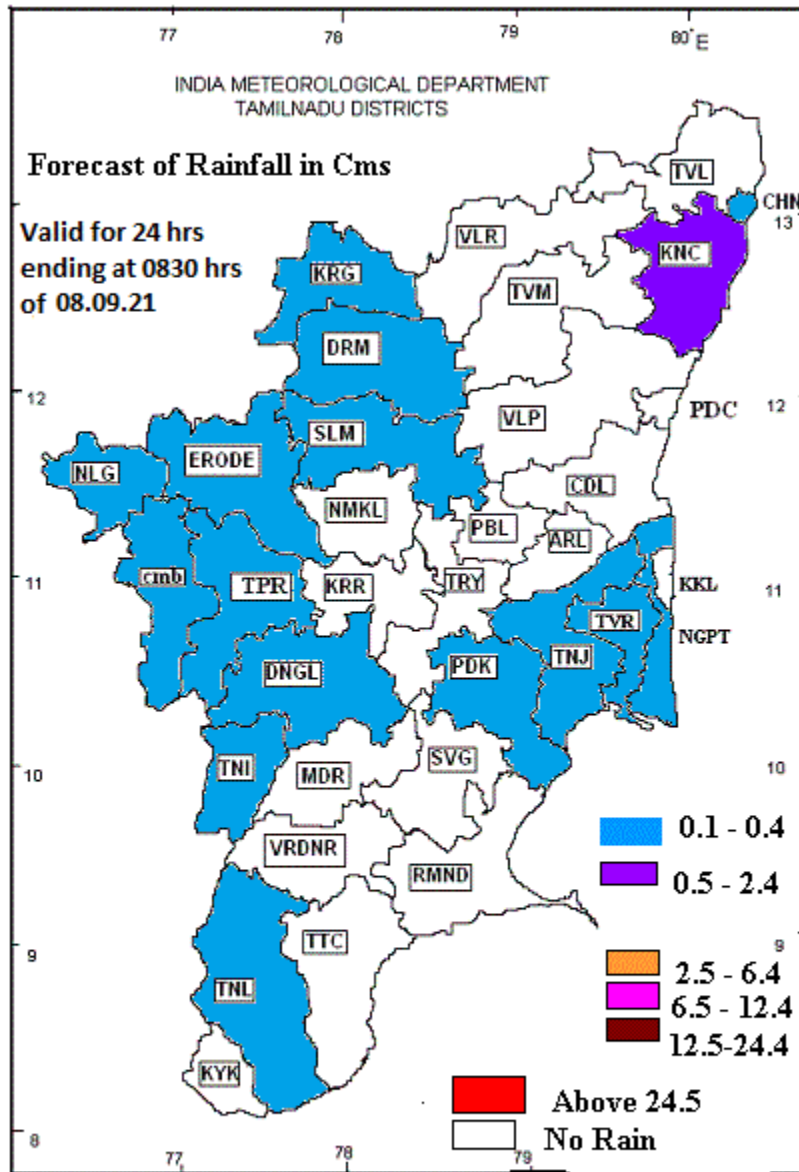
Ariyalur), Pennagaram (dist Dharmapuri) 5 each, Manalmedu (dist Mayiladuthurai), Virudachalam (dist Cuddalore), Thiruvallur (dist Tiruvallur) 4 each, Marakkanam (dist Villupuram), Srimushnam (dist Cuddalore), Sankarapuram (dist Kallakurichi), Ponnai Dam (dist Vellore), Cholavaram (dist Tiruvallur), Kuppanatham (dist Cuddalore) 3 each, Ettayapuram (dist Toothukudi), Kallakurichi (dist Kallakurichi), Mayiladuthurai (dist Mayiladuthurai), Sendurai (dist Ariyalur), Sirkali (dist Mayiladuthurai), Agaram Seegoor (dist Perambalur), Kaveripakkam (dist Ranipet), Pelandurai (dist Cuddalore), Kadambur (dist Toothukudi), Uthukottai (dist Tiruvallur), Poonamallee (dist Tiruvallur), K.M.Koil (dist Cuddalore), Tiruttani PTO (dist Tiruvallur), R.S.Mangalam (dist Ramanathapuram), Sankaridurg (dist Salem), Kollidam (dist Mayiladuthurai), Vadapudupattu (dist Tirupattur), Mettur (dist Salem), Sethiathope (dist Cuddalore), Andimadam (dist Ariyalur), Me Mathur (dist Cuddalore), Thiyagadurgam (dist Kallakurichi), Moongilthuraipattu (dist Kallakurichi), Kadambur (dist Toothukudi) 2 each, Vepur (dist Cuddalore), Maduranthagam (dist Chengalpattu), Arakonam (dist Ranipet), Uthangarai (dist Krishnagiri), Perunchani Dam (dist Kanyakumari), Peravurani (dist Thanjavur), Salem (dist Salem), Kalavai AWS (dist Ranipet), Arcot (dist Ranipet), Poondi (dist Tiruvallur), Wallajah (dist Ranipet), MGR Nagar (dist Chennai), Attur (dist Salem), Tiruttani (dist Tiruvallur), Harur (dist Dharmapuri), Mangalapuram (dist Namakkal), Tarangambadi (dist Mayiladuthurai), Denkanikottai (dist Krishnagiri), Vadipatti (dist Madurai), Virinjipuram AWS (dist Vellore), Ammundi (dist Vellore), Vellore (dist Vellore), Katpadi (dist Vellore), DGP Office (dist Chennai), Suralacode (dist Kanyakumari), Sholingur (dist Ranipet), Adirampatnam (dist Thanjavur), Anna University (dist Chennai), Puthan Dam (dist Kanyakumari) 1 each.

**05.09.21** : Valparai Pto (dist Coimbatore), Peravurani (dist Thanjavur) 5 each, Chinnakallar (dist Coimbatore), Alangudi (dist Pudukkottai) 4 each, Madukkur (dist Thanjavur), Muthupet (dist Tiruvarur), Valparai Taluk Office (dist Coimbatore), Paramakudi (dist Ramanathapuram) 3 each, Tirumayam (dist Pudukkottai), Thekkadi (dist Theni), Vattanam (dist Ramanathapuram), Sholayar (dist Coimbatore), Vadapudupattu (dist Tirupattur), Tiruvarur (dist Tiruvarur), Vembakkam (dist Tiruvannamalai), Vellore (dist Vellore), Pattukottai (dist Thanjavur), Gudalur (dist Theni), Thiruthuraipoondi (dist Tiruvarur), Arantangi (dist Pudukkottai), Chengam (dist Tiruvannamalai), Virinjipuram Aws (dist Vellore), Madurai South (dist Madurai), Arimalam (dist Pudukkottai), Melur (dist Madurai) 2 each, Airport Madurai (dist Madurai), Hosur (dist Krishnagiri), Veeraganoor Dam (dist Madurai), Ambur (dist Tirupattur), Adiramapattinam (dist Thanjavur), Tiruvallur (dist Tiruvallur), Shoolagiri (dist Krishnagiri), Katpadi (dist Vellore), Ponnai Dam (dist Vellore), Kovilankulam (dist Virudhunagar), Chittampatti (dist Madurai), Karambakudi (dist Pudukkottai), Mannargudi (dist Tiruvarur), Pulipatti (dist Madurai), Yercaud (dist Salem), Veerapandi (dist Theni), Uthiramerur (dist Kancheepuram), Vedaranyam (dist Nagapattinam), Pudukkottai (dist Pudukkottai), Vembakottai (dist Virudhunagar), Tiruchengode (dist Namakkal), Namakkal (dist Namakkal), Rajapalayam (dist Virudhunagar), Thalaignayer (dist Nagapattinam), Periyakulam (dist Theni), Ponnamaravathi (dist Pudukkottai), DGP Office (dist Chennai), Natrampalli (dist Tirupattur), Thathiengarpet (dist Trichy), Tiruvadana (dist Ramanathapuram), Illayangudi (dist Sivaganga) 1 each.

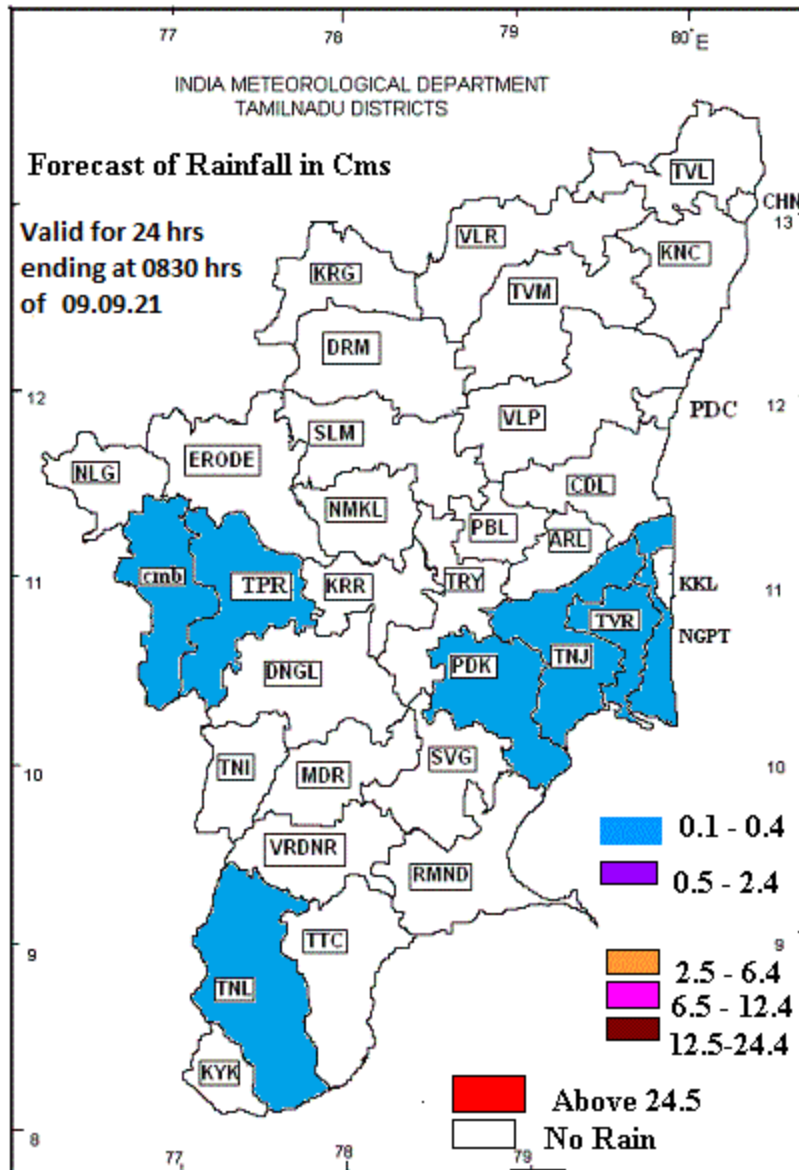
**06.09.21** : Chinnakallar (dist Coimbatore), Sendurai (dist Ariyalur) 7 each, Mahabalipuram (dist Chengalpattu) 6, Salem (dist Salem), Sendamangalam (dist Namakkal), Vedaranyam (dist Nagapattinam) 5 each, Erode (dist Erode), Bhuvanagiri (dist Cuddalore), Vepur (dist Cuddalore), Valparai PTO (dist Coimbatore), Denkanikottai (dist Krishnagiri), Valparai Taluk Office (dist Coimbatore), Parangipettai (dist Cuddalore), Marakkanam (dist Villupuram), Sholayar (dist Coimbatore), K.M.Koil (dist Cuddalore) 4 each, Jayamkondam (dist Ariyalur), Tirupoondi (dist Nagapattinam), Taramani ARG (dist Chennai), Danishpet (dist Salem), Maduranthagam (dist Chengalpattu), Sankarapuram (dist Kallakurichi), Sirkali (dist Mayiladuthurai), Devala (dist Nilgiris), Agaram Seegoor (dist Perambalur), Chidambaram (dist

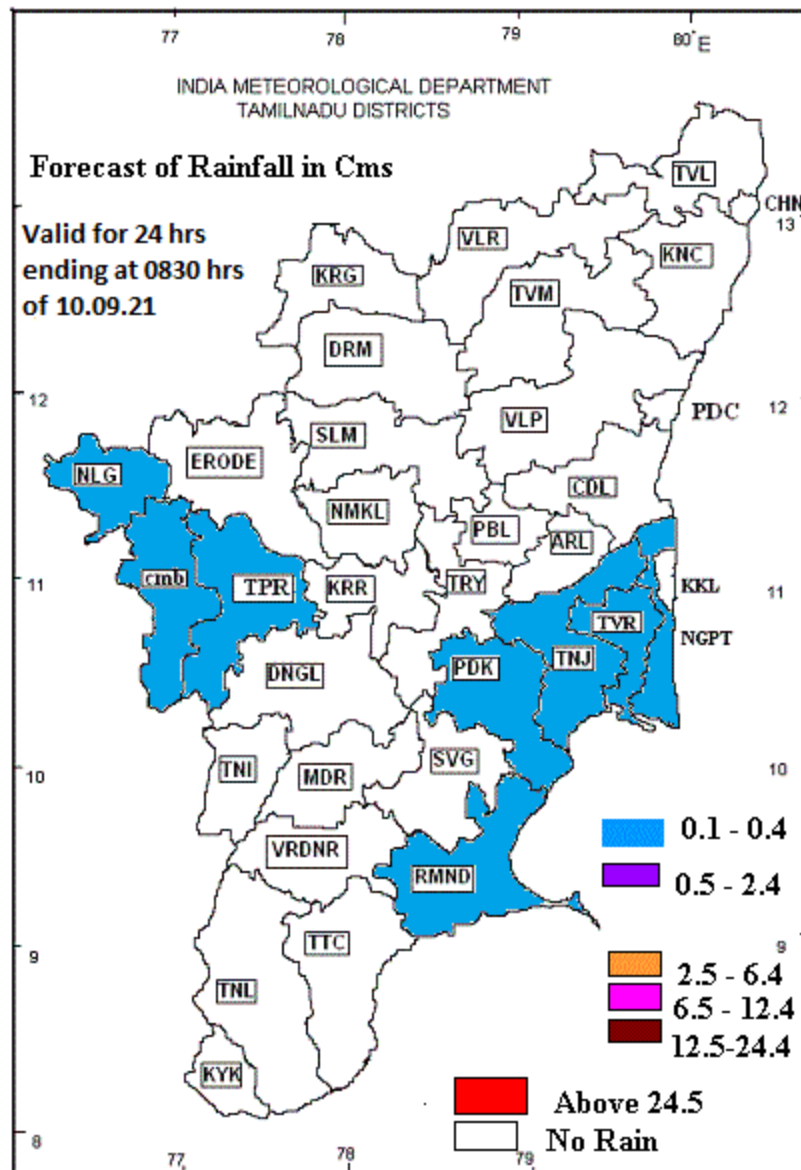
Cuddalore), Sethiathope (dist Cuddalore), Sankaridurg (dist Salem), Tozhudur (dist Cuddalore), Omalur (dist Salem), Pechiparai (dist Kanyakumari), Pollachi (dist Coimbatore), Avalanche (dist Nilgiris), Namakkal (dist Namakkal) 3 each, Chennai AP (dist Chennai), Annavasal (dist Pudukkottai), Naduvattam (dist Nilgiris), Labbaikudikadu (dist Perambalur), Pallipattu (dist Tiruvallur), Chidambaram AWS (dist Cuddalore), Chittar (dist Kanyakumari), DGP Office (dist Chennai), Chengam (dist Tiruvannamalai), Marandahalli (dist Dharmapuri), Manamadurai (dist Sivaganga), Tiruchengode (dist Namakkal), Manalmedu (dist Mayiladuthurai), Upper Bhavani (dist Nilgiris), Anna University ARG (dist Chennai), Thali (dist Krishnagiri), Vanur (dist Villupuram), Polur (dist Tiruvannamalai), Thirupporur (dist Chengalpattu), Padalur (dist Perambalur), Srimushnam (dist Cuddalore), Chettikulam (dist Perambalur), Kollidam (dist Mayiladuthurai), Thekkadi (dist Theni), Edapadi (dist Salem), Perambalur (dist Perambalur), Nedungal (dist Krishnagiri), Mangalapuram (dist Namakkal), Yercaud (dist Salem) 2 each, Thirukoilur ARG (dist Kallakurichi), Pantruti (dist Cuddalore), Wallajah (dist Ranipet), Tirupattur PTO (dist Tirupattur), Eraiyur (dist Perambalur), Erumaipatti (dist Namakkal), Thuraiyur (dist Trichy), Puducherry (dist Puducherry), Penucondapuram (dist Krishnagiri), Periyar (dist Theni), Coonoor PTO (dist Nilgiris), Suralacode (dist Kanyakumari), Rayakottah (dist Krishnagiri), Ariyalur (dist Ariyalur), Pennagaram (dist Dharmapuri), Kurinjipadi (dist Cuddalore), Pappireddipatti (dist Dharmapuri), Kumarapalayam (dist Namakkal), Rasipuram (dist Namakkal), Natrampalli (dist Tirupattur), Perunchani Dam (dist Kanyakumari), Palacode (dist Dharmapuri), Ketti (dist Nilgiris), R.K.Pet (dist Tiruvallur), Vellore (dist Vellore), Pullambadi (dist Trichy), Anna University (dist Chennai), Pelandurai (dist Cuddalore), Perundurai (dist Erode), Thammampatty (dist Salem), Bhavani (dist Erode), Coonoor (dist Nilgiris), Melalathur (dist Vellore), Neyveli Aws (dist Cuddalore), Pochampalli (dist Krishnagiri), MGR Nagar (dist Chennai), Chembarambakkam (dist Tiruvallur), Tindivanam (dist Villupuram), Kuzhithurai (dist Kanyakumari), K Bridge (dist Nilgiris), Cheyyur (dist Chengalpattu), Kaveripakkam (dist Ranipet), Emerald (dist Nilgiris), Gudalur (dist Theni), Mettur (dist Salem), Tirupattur (dist Tirupattur), Lalgudi (dist Trichy), Ambur (dist Tirupattur), Alangayam (dist Tirupattur), Barur (dist Krishnagiri), Puduchatram (dist Namakkal), Kallakurichi (dist Kallakurichi), Bhoothapandy (dist Kanyakumari), Madukkur (dist Thanjavur) 1 each.

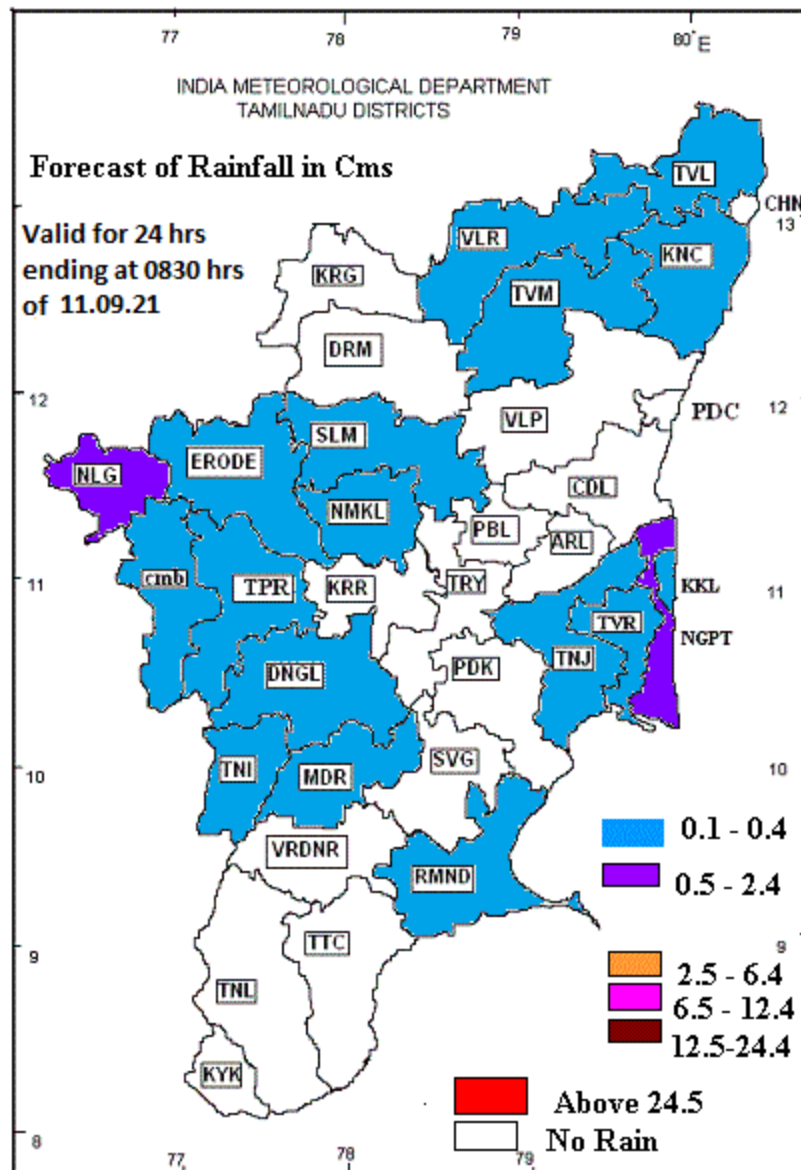
**DISTRICT LEVEL ENSEMBLE WEATHER FORECAST ISSUED ON: 07.09.21  
VALID FOR THE NEXT 5 DAYS**

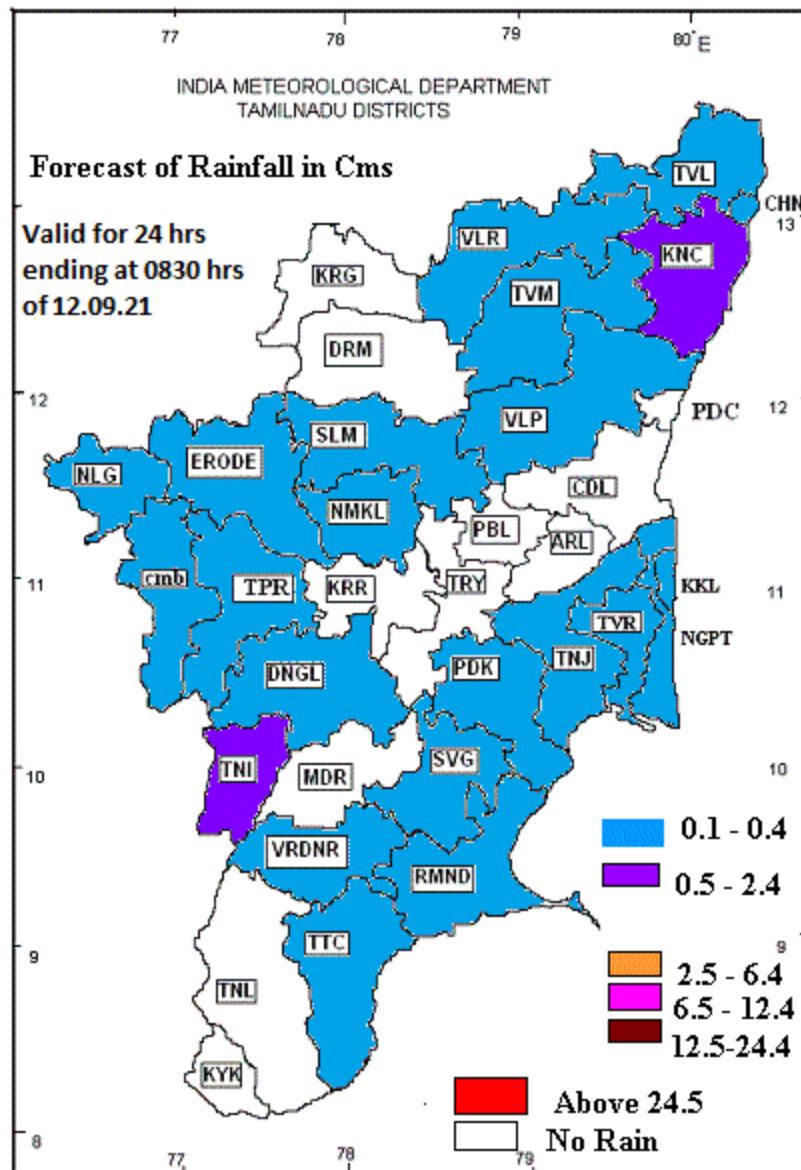












## Districtwise Agromet Advisories

### Chennai

**SMS Advisory:**

Light/Moderate rain is likely to occur at isolated places over Tamilnadu, Puducherry and Karaikal area from Day 1 ( 08.09.2021) to Day 5 ( 12.09.2021).

**Livestock Advisory**

1. Since moderate rainfall is forecasted in the fourth coming 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 lagging; moreover the floors must be sprinkled with bleaching powder to prevent infection spread. 3. The floor of nursery biglet shed must be cleaned with Luke worm 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 enterotoxemia 5. To prevent mosquitoes menace the livestock shed may be fumigated with Vitex Negundo dried leaves once in a week 6. The newly kided doe must be vaccinated with TT (Tetanus Toxide) 7. Sporadic incidence of blue tongue infection may occur in small ruminants hence the 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 12.09.2021 to 18.09.2021 Tamil Nadu & Pondicherry region may likely to receive higher rainfall than the normal. While spraying any of insecticide farmers are advised to use sticking agent. Farmers are advised to vaccinate their dairy animals against FMD disease in nearby veterinary dispensary at free of cost during this September month.

| Crop(Varieties)         | Crop Specific Advisory   |
|-------------------------|--|
| RICE                    | The forecasted weather is conducive for Sheath Blight infestation in paddy. For management farmers may spray Neem oil @ 3% at start stage of the disease.  |
| CITRUS                  | There are possibilities of citrus butterfly infestation in citrus crop. The Larva may feed the leaves and leads to defoliation of leaves. Farmers may Hand pick the larvae and destroy and spray DDVP (Nuvan) @ 1ml/liter. |
| Horticulture(Varieties) | Horticulture Specific Advisory   |
| BRINJAL                 | There are Possibilities of Fruit and shoot borer infestation in brinjal. Farmers are advised to monitor the brinjal field and advised to take necessary plant protection measures.   |

|                       |  |
|-----------------------|--|
| 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.<br>Due to rain forecasted for upcoming five days, erosion of fish /prawn pond dykes increases turbidity of water and become muddy which affects photosynthetic activity and it may lets to depletion of oxygen level. To avoid this farmer are advised to grow grass and other plants on the slope as well as top of the crest. |
| Poultry(Varieties)    | Poultry Specific Advisory  |
| CHICK                 | 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:

Light/Moderate rain is likely to occur at isolated places over Tamilnadu, Puducherry and Karaikal area from Day 1 ( 08.09.2021) to Day 5 ( 12.09.2021).

### Livestock Advisory:

1. Since moderate rainfall is forecasted in the fourth coming 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 lagging; moreover the floors must be sprinkled with bleaching powder to prevent infection spread.
3. The floor of nursery biglet shed must be cleaned with Luke worm saline are with any other commercial disinfectant to prevent e-coli infection which in adverse cases of infection leads to dirrohae and mortality.
4. The sheep and goat must be vaccinated against enterotoxemia
5. To prevent mosquitoes menace the livestock shed may be fumigated with Vitex Negundo dried leaves once in a week
6. The newly kided doe must be vaccinated with TT (Tetanus Toxide)
7. Sporadic incidence of blue tongue infection may occur in small ruminants hence the 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 Trichodermaviride @ 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 Trichodermaasperellum @ 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 Chloropyriphos ( 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:**

Light/Moderate rain is likely to occur at isolated places over Tamilnadu, Puducherry and Karaikal area from Day 1 ( 08.09.2021) to Day 5 ( 12.09.2021).

### **Livestock Advisory:**

1. Since moderate rainfall is forecasted in the fourth coming 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 lagging; moreover the floors must be sprinkled with bleaching powder to prevent infection spread.
3. The floor of nursery biglet shed must be cleaned with Luke worm 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 enterotoxemia.
5. To prevent mosquitoes menace the livestock shed may be fumigated with Vitex Negundo dried leaves once in a week.
6. The newly kided doe must be vaccinated with TT (Tetanus Toxide).
7. Sporadic incidence of blue tongue infection may occur in small ruminants hence the 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 12th to 18th September over Tamil Nadu. Light rainfall there may be expected on 11th, 12th September, so farmers are advised to harvest the mature crop and maintain 8-12% moisture content for safe storage.

| Crop(Varieties)             | Crop Specific Advisory   |
|-----------------------------|--|
| RICE                        | RICE-Nursery stage- Green plant hopper- Broadcast carbofuran 3% CG 3.5 kg in 20 cents and Maintain 2.5 cm of water in the nursery.   |
| RICE                        | 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. Alage growth of paddy field- apply 2 kg of copper sulfate mix with sand.  |
| OKRA/<br>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.Powdery mildew- Dust sulphur @ 10 kg / acre or carbendazim @ 1 g and immediately after noticing the disease and repeat after 15 days if necessary.   |
| SUGARCANE                   | Sugarcane-1.Early shoot borer- Spray Thiamethoxam 75% w/w SG @ 65 g (or) Chlorantraniliprole 18.5 % SC @ 150 ml per acre in 200 litres of water; 2.Inter nodes borer- Release egg parasitoid, Trichogramma chilonis at the rate of @ 2.5 cc / release / acre. at 15 days intervals starting from 4th month on wards. Avoid the use of excessive nitrogenous fertilizers. Collect and destroy the eggs periodically. Detrash the crop on 150th and 210th day of planting. |
| GROUNDNUT                   | Groundnut-leaf miner-spray Methyl demeton 25 EC 1000 ml per acre in 200 litres of water. (or ) Quinalphos 25 EC 1400 ml per acre in 200 litres of water and Set up light trap between 8 to 11 pm at ground level.  |
| Horticulture(Va<br>rieties) | Horticulture Specific Advisory   |
| BRINJAL                     | Brinjal -1. Hadda / spotted beetle- Spray Azadirachtin 1.0% EC (10000 ppm) 3.0 ml/L and Collect the beetles, grubs, pupae and destroy; 2.Fruit borer- Spray Neem Seed Kernel Extract 5 % (or) Spray Dimethoate 30 % EC 7.0 ml/10 l. and Encourage the activity of larval parasitoids: Pristomerus testaceus, Cremastus flavoorbitalis.   |



|                       |   |
|-----------------------|---|
| COCONUT               | Coconut- Black headed caterpillar- Root feeding- Select a fresh and live root, cut sharply at an angle and insert the root in the insecticidal solution containing monocrotophos 36 WSC 10 ml + water 10 ml in a 7 x 10 cm polythene bag. Secure the bag tightly to the root with a cotton thread. Twenty four hours later, check whether there is absorption. If there is no absorption select another root. These methods should not be resorted to as a routine practice and it is suggested only for cases of severe epidemic outbreak of the pest and when the survival of the tree is threatened. |
| Live Stock(Varieties) | Live Stock Specific Advisory  |
| COW                   | Livestock- This situation is favorable for the development of Aflatoxin infection in the Corn kernels and Paddy Straw, which may affect the health of your cattle. To save your cattle from infection, dry the Corn kernels and Paddy Straw before feeding.   |
| Poultry(Varieties)    | Poultry Specific Advisory   |
| CHICKEN               | Keep sufficient drainage around the poultry shed to avoid water stagnation.   |

### Vellore

As per the IMD extended range forecast (ERF), Tamil Nadu and Puducherry may receive above normal rainfall and normal temperature for the period of 12.09.2021 to 18.09.2021. 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. Chances of light rainfall may be expected on forthcoming days. So, farmers are advised to spray pesticide/fungicide with sticking agent.

|                         |   |
|-------------------------|---|
| Crop(Varieties)         | Crop Specific Advisory  |
| RICE                    | In the planting field to apply Beautachlor for weed control 2.5 litre +25 kg / sand per hectare on the third day.   |
| Crop(Varieties)         | Crop Specific Advisory  |
| GROUNDNUT               | Due to the prevailing weather condition white grub occurrence may be seen in groundnut. To control this apply Carbofuran 3% 33.3kg.                                       |
| 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.   |
| PAPAYA                  | To control papaya white fly, spray Imidachloprid @ 0.5 ml / litre. Mealy bug attack in papaya, spray neem oil 2% or neem seed kernel extract @ 5%.                        |
| BANANA                  | To control panama wilt in banana, soil drenching with copperoxychloride 2 g/litre. Spray 3 times with mancozeb 0.25% or carbendazim 0.1 % 10-15 days interval, to control |

|                       |  |
|-----------------------|--|
|                       | sigatoka leaf spot.  |
| COCONUT               | To control mite in coconut spray azadiractin 1% 5ml / litre. 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.   |
| CHILLI                | Prevailing weather condition is favorable for thrips incidence in chilli. The symptom of damage is infected leaves develop crinckles and curl upwards.<br>Hence farmers are requested to monitor the field and spray acetamprid 1g /10 litre of water. |
| Live Stock(Varieties) | Live Stock Specific Advisory   |
| COW                   | Protect the dairy cows and calves from rain. Clean the udder with water before and after during milking. Treat the animal if there is mastitis, deteriorated milk from udder.  |
| GOAT                  | Shelter the sheep and goat at raised area to avoid flood.  |
| Poultry(Varieties)    | Poultry Specific Advisory  |
| BREEDER               | Respiratory distress and cold may due to raining and chillness. So give ENROCIN BH 1ml per litre of drinking water for four days.  |

### Cuddalore

From extended range forecast, Above Normal rainfall, Normal maximum temperature and Normal minimum temperature expected for the period of 12.09.21 to 18.09.2021 over Tamil Nadu. Land preparation for samba season may be taken up using the last week rainfall.

| Crop(Varieties)         | Crop Specific Advisory  |
|-------------------------|---|
| RICE                    | Prevailing weather condition is favourable for bacterial leaf blight infection in rice crop. To control spray 20% fresh cow dung extract twice (starting from initial appearance of the disease and another at fortnightly interval) or spray twice copper hydroxide 77 WP @ 1.25 kg/ha 30 and 45 days after planting or spray streptomycin sulphate + tetracycline combination @ 300 g + copper oxychloride @c1.25 kg/ha. If necessary repeat 15 days later. |
| SUGARCANE               | Due to prevailing weather condition changes of sugarcane Top shoot borer infection. To control apply carbofuran 3% CG @ 66 kg/ha or chlorantraniliprole 0.4% G @ 18.75 kg/ha or chlorantraniliprole 18.5% SC 375 ml/ha.   |
| 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.   |
| PEARL MILLET            | Due to prevailing weather conditions favourable for shoot fly infestation in cumbu. To control spray methyl demeton 25 EC 500 ml/ha or dimethoate 30 EC 500 ml/ha.  |
| COTTON                  | Due to prevailing weather condition there are chances of cotton green leaf hopper infestation. To control spray thiamethoxam 25 WG 0.6 gram/litre or imidacloprid 17.8 SL 0.6 ml/litre.   |
| Horticulture(Varieties) | Horticulture Specific Advisory  |

|                         |  |
|-------------------------|--|
| BANANA                  | Due to prevailing weather condition favorable for sigatoka leaf spot infection in banana crop. To control spray carbendazim 1.0 g/l or propiconazole 1.0 ml/l or mancozeb 2.5 g/l and sticking agent at 10-15 days interval. |
| Horticulture(Varieties) | Horticulture Specific Advisory   |
| TURMERIC                | Due to prevailing weather condition favorable for leaf spot infection in banana crop. To control spray carbendazim 1.0 g/l or propiconazole 1.0 g/l or mancozeb 2.5 g/l and sticking agent at 10-15 days interval.           |

### Coimbatore

#### Agro Advisory

| Crop      | Stage                             | Advisory  |
|-----------|-----------------------------------|---|
| General   |                                   | Light drizzling with wind speed of 20km/ hour is expected. Hence provide adequate support to banana and sugarcane.<br>Light drizzling alone is expected. Plan the harvest of Minor millets & Groundnut, properly dry and store at low moisture  |
| Rice      | Nursery preparation and Tillering | Kuruvai rice crop at flowering stage may be top dressed with 30 kg urea and 10 kg murate of potash per acre. Do not drain water in top dressed plot.<br>Due to prevailing weather condition blast disease in rice may be expected. Hence farmers are advised to monitor the crop and if systems are appear apply Tricyclozole @ 2 g /litre of water to control the above disease. |
| Sorghum   |                                   | By utilizing rainfall, fodder sorghum or cowpea may be sown under rainfed lands   |
| Maize     | Sowing                            | By utilizing 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 are necessary.<br>By utilizing the rainfall thinning / gap filling of maize and cotton is advised to maintain population.   |
| Groundnut | Flowering                         | With the receipt of anticipated rainfall dry lands may be prepared for sowing groundnut and millets during North East Monsoon.  |
| Sugarcane | Vegetative                        | Detrashing and propping may be done in six months old sugarcane to protect against anticipated high wind speed and rainfall.  |
| Tomato    | Planting                          | Since, moderate rainfall is expected tomato seedling may be transplanted in ridges and furrows to prevent root rot.<br>Present weather condition is favorable early blight disease in Tomato .Hence the farmers are requested to monitor the crop carefully and requested to spray Mancozep @ 2g/litr of water to control the disease.  |
| Tapioca   |                                   | This is 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                        | Due to rain and high relative humidity, rhizome rot infection in turmeric, may be noticed Drench with Bordeaux mixture 1% or Copper oxy chloride  |

|         |  |   |
|---------|--|---|
|         |  | @ 0.25%.<br>By utilizing anticipated drizzling rainfall, turmeric at 5 months may be top dressed with urea 22 kg and potash 10 kg per acre.   |
| Coconut |  | By utilizing available rainfall interspace between the Coconut trees may ploughed and green manure crops may be sown to enrich the soil fertility.  |
| Grapes  |  | Downy mildew in grapes may be intensified with high relative humidity and cloud cover. Spray 1% Bordeaux mixture or any other copper fungicide @ 0.25% .  |
| Animal  |  | Higher humidity both in the morning and evening is anticipated. Animal and poultry feeds may get affected with aflatoxin. Take enough caution to feed toxin free feed and fodder.<br>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.<br>Present weather is conducive for Blue tongue disease in Sheep and Goats. Hence farmers are requested to vaccinate their animals in near by veterinary hospital. |

#### SMS advisory

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

### Erode

#### Agro Advisory

| Crop      | Stage                           | Advisory  |
|-----------|---------------------------------|---|
| General   |                                 | Light drizzling with wind speed of 20km/ hour is expected. Hence provide adequate support to banana and sugarcane.<br>Light drizzling alone is expected. Plan the harvest of Minor millets & Groundnut, properly dry and store at low moisture  |
| Rice      | Nursery preparation and Tilling | Kuruvai rice crop at flowering stage may be top dressed with 30 kg urea and 10 kg murate of potash per acre. Do not drain water in top dressed plot.<br>Due to prevailing weather condition blast disease in rice may be expected. Hence farmers are advised to monitor the crop and if systems are appear apply Tricyclozole @ 2 g /litre of water to control the above disease. |
| Sorghum   |                                 | By utilizing rainfall, fodder sorghum or cowpea may be sown under rainfed lands   |
| Maize     | Sowing                          | By utilizing 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 are necessary.<br>By utilizing the rainfall thinning / gap filling of maize and cotton is advised to maintain population.   |
| Groundnut | Flowering                       | With the receipt of anticipated rainfall dry lands may be prepared for sowing groundnut and millets during North East Monsoon.  |
| Sugarcane | Vegetative                      | Detrashing and propping may be done in six months old sugarcane to  |

|          |            |   |
|----------|------------|---|
|          |            | protect against anticipated high wind speed and rainfall.   |
| Tomato   | Planting   | Since, moderate rainfall is expected tomato seedling may be transplanted in ridges and furrows to prevent root rot.<br>Present weather condition is favorable early blight disease in Tomato .Hence the farmers are requested to monitor the crop carefully and requested to spray Mancozep @ 2g/litr of water to control the disease.  |
| Banana   |            | Light drizzling accompanied with high wind speed of >20 km/hour is expected. Provide adequate stacking to 5 months old and above banana against lodging.<br>Due to prevailing weather condition Sigatoka leaf spot is especially in red banana expected. Hence farmers are advised to monitor the crop carefully and apply Propiconazole@ 1 ml/litre of water with wetting agent to manage the above disease.   |
| Turmeric | Vegetative | Due to rain and high relative humidity, rhizome rot infection in turmeric, may be noticed Drench with Bordeaux mixture 1% or Copper oxy chloride @ 0.25%.<br>By utilizing anticipated drizzling rainfall, turmeric at 5 months may be top dressed with urea 22 kg and potash 10 kg per acre.  |
| Animal   |            | Higher humidity both in the morning and evening is anticipated. Animal and poultry feeds may get affected with aflotoxin. Take enough caution to feed toxin free feed and fodder.<br>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.<br>Present weather is conducive for Blue tongue disease in Sheep and Goats. Hence farmers are requested to vaccinate their animals in near by veterinary hospital. |

#### SMS advisory

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

### Tiruppur

#### Agro Advisory

| Crop    | Stage  | Advisory  |
|---------|--------|---|
| General |        | Light drizzling with wind speed of 20km/ hour is expected. Hence provide adequate support to banana and sugarcane.<br>Light drizzling alone is expected. Plan the harvest of Minor millets & Groundnut, properly dry and store at low moisture  |
| Sorghum |        | By utilizing rainfall, fodder sorghum or cowpea may be sown under rainfed lands   |
| Maize   | Sowing | By utilizing 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 are necessary.<br>By utilizing the rainfall thinning / gap filling of maize and cotton is advised to maintain population. |

|           |            |   |
|-----------|------------|---|
| Groundnut | Flowering  | With the receipt of anticipated rainfall dry lands may be prepared for sowing groundnut and millets during North East Monsoon.  |
| Sugarcane | Vegetative | Detrashing and propping may be done in six months old sugarcane to protect against anticipated high wind speed and rainfall.  |
| Tomato    | Planting   | Since, moderate rainfall is expected tomato seedling may be transplanted in ridges and furrows to prevent root rot. Present weather condition is favorable early blight disease in Tomato. Hence the farmers are requested to monitor the crop carefully and requested to spray Mancozep @ 2g/litr of water to control the disease.   |
| Banana    |            | Light drizzling accompanied with high wind speed of >20 km/hour is expected. Provide adequate stacking to 5 months old and above banana against lodging. Due to prevailing weather condition Sigatoka leaf spot is especially in red banana expected. Hence farmers are advised to monitor the crop carefully and apply Propiconazole@ 1 ml/litre of water with wetting agent to manage the above disease.  |
| Turmeric  | Vegetative | Due to rain and high relative humidity, rhizome rot infection in turmeric, may be noticed Drench with Bordeaux mixture 1% or Copper oxy chloride @ 0.25%.<br>By utilizing anticipated drizzling rainfall, turmeric at 5 months may be top dressed with urea 22 kg and potash 10 kg per acre.  |
| Coconut   |            | By utilizing available rainfall interspace between the Coconut trees may ploughed and green manure crops may be sown to enrich the soil fertility.  |
| Animal    |            | Higher humidity both in the morning and evening is anticipated. Animal and poultry feeds may get affected with aflatoxin. Take enough caution to feed toxin free feed and fodder.<br>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.<br>Present weather is conducive for Blue tongue disease in Sheep and Goats. Hence farmers are requested to vaccinate their animals in near by veterinary hospital. |

SMS advisory

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

**Nilgiris**

Agro Advisory

| Crop | Stage | Advisory |
|------|-------|----------|
|------|-------|----------|

|                  |                  |  |
|------------------|------------------|--|
| General          | All the stage    | In carrot crops during before sowing, application of neem cake @ 1 ton/ha at planting. Biofumigation of mustard plants followed by application of neemcake @ 250kg/ha along with Purpureocillium lilacinum @ 5kg/ha or application of P. lilacinum as seed treatment @ 20g/kg of seed followed by soil application @ 2.5kg/ha along with FYM @ 2.5 t/ha to reduce the nematode attack to the crops in the field. |
| Potato crops     | Vegetative stage | Spray Gramaxone @ 2.5 l/ha in 500 lit of water as post - emergence. The critical period of weed-competition is upto 60 days and it is essential to keep the field weed-free during that period. Take up the first hoeing on 45th day without disturbing stolons and second hoeing and earthing up on 60th day.   |
| Plantation crops |                  | In pepper plantation, apply 50:20:70 g of NPK per vine during September – October to prevent spike drop and for enhancing the yield.   |
|                  |                  | In ginger plantation, 37.5: 12.5 kg of N and K per ha applied on 45th and 90th day after planting may be given as top dressing per tree in the post monsoon period.  |
| Cattle           |                  | Due to light rainfall, allow the animals to graze outside, do not standing near the trees or electric poles. Provide adequate dry feed/fodder and drinking water.  |

#### SMS advisory

In carrot crops during before sowing, Application of neem cake @ 1 ton/ha at planting to reduce the nematode attack to the crops in the field.

### **Ariyalur, Karur, Nagapattinam, Perambalur, Thanjavur and Thiruvarur**

#### **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.

### **Dindigul**

Due to the receipt of some amount of rainfall, farmers may plan for land preparation and sowing activities. In this condition, ploughing is very important for both the rain fed as well as irrigated land. Appearances of cracks will be avoided in the field. Thus the rainwater is also get settled and stored under the ground. Furthermore, the larvae and fungi in the soil are brought to the top of the soil, exposed to the sunrays and destroyed by the birds. Chances of light rain during 8, 11 & 12 Sep. Max temp- 35°C & Min temp -25°C. Generally cloudy sky for next 5 days. Wind speed 6 kmph from W direction.

| Crop(Varieties)       | Crop Specific Advisory   |
|-----------------------|--|
| MAIZE                 | Application of micronutrient will rectify the nutrient deficiency in Maize Cultivation. Farmers who have planted maize recently can apply 5kg of Millet nutrient mixture or 10Kg of ZnSo4 /acre. Also apply Farm Yard Manure along with 2kgs of Azospirillum and 2kgs of Phosphobacteria per acre. |
| Live Stock(Varieties) | Live Stock Specific Advisory   |
| GOAT                  | Due to the prevailing weather, external parasites may attack your goats and sheep. To protect your livestock from these external parasites, mix 2ml of Butox with one litre of water and apply the solution on the outer body of the sheep. This medicine should not be used internally.           |

### Madurai

Due to the receipt of some amount of rainfall, farmers may plan for land preparation and sowing activities. In this condition, ploughing is very important for both the rain fed as well as irrigated land. Appearances of cracks will be avoided in the field. Thus the rainwater is also get settled and stored under the ground. Furthermore, the larvae and fungi in the soil are brought to the top of the soil, exposed to the sunrays and destroyed by the birds. Chances of drizzles on 11 Sep. Max temp- 35°C & Min temp -25°C. Generally cloudy sky for next 5 days. Wind speed 6 kmph from W direction.

| Horticulture(Varieties) | Horticulture Specific Advisory  |
|-------------------------|---|
| Drumstick               | Due to the prevailing weather the incident of Pod fly is expected in Moringa. The symptoms are drying and splitting of fruits from tip and oozing of gummy exudate from fruit. Collect and destroy all the fallen and damaged fruits. Use attractants like citronella oil, eucalyptus oil, vinegar (Acetic acid), dextrose or lactic acid. And spray insecticides like Nimbecidine @ 3ml/lit at the time of 50% fruit set and 35 days later. To control this using biological method, set up pheromone traps at 7Nos./Acre. |
| Live Stock(Varieties)   | Live Stock Specific Advisory  |
| GOAT                    | Due to the prevailing weather, external parasites may attack your goats and sheep. To protect your livestock from these external parasites, mix 2ml of Butox with one litre of water and apply the solution on the outer body of the sheep. This medicine should not be used internally.  |

### Pudukottai

Extended Range Forecast For Tamil Nadu 12 .09.2021 to 19.09.2021. During the Week from 12 th to 19 th September Above Normal Rainfall . maximum temperature and minimum temperature Normal is likely to occur over Tamilnadu. With the receipt of anticipated rainfall dry lands may be prepared for sowing groundnut and millets during North East Monsoon.

| Crop(Varieties) | Crop Specific Advisory   |
|-----------------|--|
| RICE            | 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. |



|  |   |
|--|---|
| RICE   | Farmers are requested to apply 10 kg of enriched paddy micronutrient mixture to alleviate the micronutrient deficiency and get more yield.  |
| Horticulture(Varieties)                      | Horticulture Specific Advisory  |
| BANANA                                       | Use transparent polythene sleeves (2%) to cover the bunches due to rainfall. It increases the quality of bunches.   |
| COCONUT                                      | The present Weather condition causes boron deficiency. To Rectify this apply borax @ 50g/ per tree along with sand or manure  |
| Live Stock(Varieties)                        | Live Stock Specific Advisory  |
| GOAT   | Farmers are advised to fumigate the goat shed With Notchi leaves to prevent fly attack.   |
| COW  | Due to the current rains, green fodder is available in large quantities so it is likely that cattle will consume more fodder. Due to this, the risk of diarrhea and acidosis is high. Therefore farmers should reduce greenery to their livestock and give more dry fodder. |
| Others (Soil / Land Preparation) (Varieties) | Others (Soil / Land Preparation) Specific Advisory  |
| GENERAL ADVICE                               | As rainy weather is expected in the coming days strengthening the basins for fruit trees and tree spices may be taken up for better harvesting of rains   |
| GENERAL ADVICE                               | With the expected rain. When ploughing with a tractor during direct sowing in irrigated lands, the last ploughing should be done by applying 1 ton of gypsum wherever 'soil compaction' is likely to occur.   |

### Ramanathapuram

Due to prevailing weather condition favourable for ranikhet disease in poultry. The main symptoms are twisting of neck and paralysis of wings and legs, Diarrhoea, Drop in egg production and sudden death. To prevent ranikhet diseases in poultry contact the local veterinarian for vaccination. From extended range forecast, Above normal rainfall, normal maximum temperature and minimum temperature expected for the period of September 12 to September 18 over Tamil Nadu.

|                         |   |
|-------------------------|---|
| 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  |
|                         | 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  |

|                       |   |
|-----------------------|---|
| COCONUT               | 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 castor 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.       |
| COCONUT               | Due to the prevailing weather condition incidence of red palm weevil expected in coconut. The damage symptoms are hole can be seen on the stem with chewed up fibres protruding out and reddish brown liquid can be seen oozing out from the hole. If symptoms are observed in coconut tree, root feeding with insecticidal solution containing monocrotophos 36 WSC 10 ml with 10 ml of water. |
| Live Stock(Varieties) | Live Stock Specific Advisory  |
| GOAT                  | Farmers are advised to apply Butox solution (2 ml in 1 litre water) externally to remove ecto-parasites in sheep and goats  |

### Sivagangai

Due to the receipt of some amount of rainfall, farmers may plan for land preparation and sowing activities. In this condition, ploughing is very important for both the rain fed as well as irrigated land. Appearances of cracks will be avoided in the field. Thus the rainwater is also get settled and stored under the ground. Furthermore, the larvae and fungi in the soil are brought to the top of the soil, exposed to the sunrays and destroyed by the birds. Chances of drizzles on 12 Sep. Max temp- 35°C & Min temp -25°C. Generally cloudy sky for next 5 days. Wind speed 6 kmph from W & SW directions.

|                         |  |
|-------------------------|--|
| Horticulture(Varieties) | Horticulture Specific Advisory   |
| BANANA                  | Due to the prevailing weather condition, the incense of yellow sigatoka disease in banana, the symptoms are, leaf colour turns yellow, then dry and fall. This disease spread rapidly. To control this, add 10gms of Pseudomonas Fluorescence + 10gms of Bacillus subtilis + 5gms of Jaggery + 10 ml of Panchakavya in one litre water and spray it during the morning or evening hours. |
| Live Stock(Varieties)   | Live Stock Specific Advisory   |
| GOAT                    | Due to the prevailing weather, external parasites may attack your goats and sheep. To protect your livestock from these external parasites, mix 2ml of Butox with one litre of water and apply the solution on the outer body of the sheep. This medicine should not be used internally.   |

### Theni

Due to the receipt of some amount of rainfall, farmers may plan for land preparation and sowing activities. In this condition, ploughing is very important for both the rain fed as well as irrigated land. Appearances of cracks will be avoided in the field. Thus the rainwater is also get settled and stored under the ground. Furthermore, the larvae and fungi in the soil are brought to the top of the soil, exposed to the sunrays and destroyed by the birds. Chances of light rain during 8, 11 & 12 Sep. Max

temp- 34°C & Min temp -24°C. Generally cloudy sky for next 5 days. Wind speed 6 kmph from W direction.

|                         |  |
|-------------------------|--|
| Horticulture(Varieties) | Horticulture Specific Advisory   |
| Faba bean/ Broad bean   | Prevailing weather condition the occurrence of Leaf hopper may expected in Lab Lab. Leaves mottle and yellowish in colour, Green colour insects found under surface of leaves. To control the pest, spray the infested crop with Imidachlopirid @ 2ml/litre or Acepate@ 3ml/litre.       |
| Live Stock(Varieties)   | Live Stock Specific Advisory   |
| GOAT                    | Due to the prevailing weather, external parasites may attack your goats and sheep. To protect your livestock from these external parasites, mix 2ml of Butox with one litre of water and apply the solution on the outer body of the sheep. This medicine should not be used internally. |

### Virudhunagar District

| Crop/<br>Ecosystem                 | Stage /<br>Activities                | Advisories   |
|------------------------------------|--------------------------------------|--|
| Block level<br>Weather<br>forecast |                                      | Light/Moderate rain is likely to occur at isolated places from Day1 (08.09.21) to Day5 (12.09.21).<br>6-21 km/hr. of wind speed is predicted for block level.  |
| Irrigated<br>crops                 | Water<br>management                  | Irrigation may be given.   |
| Rainfed crops                      | Preparatory<br>tillage-<br>Ploughing | Light rainfall is suitable for ploughing operation. Farmers are advised for ploughing in order to reduce the incidence of soil borne pathogens and improve the soil tilth for rabi sowing.   |
|                                    | Input<br>purchase                    | Purchase the seed i.e., diseases free & Quality seed from the authorized person for raising crops during the ensuing north east monsoon season.  |
| Groundnut                          | Vegetative<br>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 litter) or 1kg per acre can be recommended to control the disease at early stage.  |
| Livestock<br>protection            | Goat and<br>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: 12.09.2021 – 2 mm.. Ploughing to be done. Groundnut- Tikka early leaf spot disease - Foliar spray with mancozeb at 0.2% (2 grams per litter) or 1kg per acre.

### Tirunelveli District

| Crop/ | Stage / Activities | Advisories |
|-------|--------------------|------------|
|-------|--------------------|------------|

|                              |                                       |  |
|------------------------------|---------------------------------------|--|
| Ecosystem                    |                                       |  |
| Block level Weather forecast |                                       | Light/Moderate rain is likely to occur at isolated places from Day1 (08.09.21) to Day5 (12.09.21).<br>12-27km/hr. block level wind speed is predicted.   |
| Irrigated crops              | Water management                      | Irrigation may be given.   |
| Rainfed crops                | Preparatory tillage- Ploughing        | Light rainfall is suitable for ploughing operation. Farmers are advised for ploughing in order to reduce the incidence of soil borne pathogens and improve the soil tilth for rabi sowing.   |
|                              | Input purchase                        | Purchase the seed i.e., diseases free & Quality seed from the authorized person for raising crops during the ensuing north east monsoon season.  |
| 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 in situ 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 Harvesting stage  | 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.<br>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:<br>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: 08.09.2021 & 09.09.2021 – 4 & 3 mm. Ploughing to be done. Rice- Leaf folder. spray Azadirachtin 0.03% 1000ml/ha. (or) Chlorontrinirole 18.5%SC @ 150g/ha.

### Thoothukudi District

| Crop/ Ecosystem              | Stage / Activities                  | Advisories  |
|------------------------------|-------------------------------------|---|
| Block level Weather forecast |                                     | Light/Moderate rain is likely to occur at isolated places from Day1 (08.09.21) to Day5 (12.09.21).<br>9-25 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                | Preparatory tillage- Ploughing      | Light rainfall is suitable for ploughing operation. Farmers are advised for ploughing in order to reduce the incidence of soil borne pathogens and improve the soil tilth for rabi sowing.  |
|                              | Input purchase                      | Purchase the seed i.e., diseases free & Quality seed from the authorized person for raising crops during the ensuing north east monsoon season.   |
| 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.<br>Prevailed weather is conducive for Leaf folder. So farmers are advised to spray Azadirachtin 0.03% 1000ml/ha. (or) Chlorontriniprole 18.5%SC @ 150g/ha. (or) Thiamethoxam 25% WG @ 100g/ha.<br>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.<br>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 rotoslasher 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: 12.09.2021 – 2 mm. Irrigate the crop. Ploughing to be done. Groundnut - leaf miner. Apply Dimethiate 30 EC 660 ml/ha (or) Methyl demeton 25% EC 1000 ml/ha.

| Tamil Nadu     |                 |   |
|----------------|-----------------|---|
| Next five days | Weather Warning | Light/Moderate rain is likely to occur at isolated places over Tamilnadu, Puducherry and Karaikal area from Day 1 (08.09.2021) to Day 5 (12.09.2021). |

|                            |  |  |
|----------------------------|--|--|
| Extended range of forecast |  | 2021-09-12 to 2021-09-18 – rainfall is predicted to be above normal. |
|----------------------------|--|--|

### Kanyakumari

#### AGRO ADVISORIES

| S. N. | CROP                 | STAGES                  | ADVISORIES  |
|-------|----------------------|-------------------------|---|
| 1.    |                      |                         | There is possibility of rainfall during forthcoming days in scattered places. Maximum temperature will range from 31 - 32°C and minimum temperature will range from 24 - 25°C. Cloudy condition may prevail. The relative humidity will be 55 to 90 %. Wind speed may be 15 - 20 km / hr in West direction. |
| 2.    | Horticultural crops. | Planting stage.         | As 15 to 20 km / hr wind speed is anticipated, it is advised to provide staking to newly planted horticultural plants.  |
| 3     | Horticultural crops  | Planting stage          | Farmers are requested to take up planting operations, especially vegetable crops like chilies, brinjal, gourd, banana and perennial crops.  |
| 4.    | Flower crops         | All stages              | There is very light rainfall for the forthcoming days so irrigate the flower crop regularly.  |
| 5.    | Pepper               | Spike development stage | The spike shedding can be reduced by foliar spray of 1.0 % Diammonium Phosphate.  |
| 6.    | Ginger               | Vegetative stage        | Spray dimethoate 30 EC @ 2ml/litre or phosphamidon 40 SL @ 2ml/litre to manage the shoot borer.   |

#### SMS Advisory

Jasmine : Apply 10 g of Phorate granules near root zone and irrigate to control the nematode pest.

### Salem

#### Weather Advisory Bulletin for livestock, poultry and agriculture

| Livestock, Poultry and Crop                     | Stage      | Weather advisory  |
|---|------------|---|
| Agro advisory from Krishi Vigyan Kendra, Salem: |            |   |
| Crop  | General    | Light to moderate rainfall will be expected in the forthcoming days, proper drainage may be provided to the crops to avoid water logging condition. |
| Tapioca   | Vegetative | In tapioca for the management of mealybugs, follow the following recommendations: Clipping the terminal shoots Collection and                       |

|                       |            |   |
|-----------------------|------------|---|
|                       |            | destruction of mealybugs infested plants. During Initial stages of infestation spray azadirachtin 0.15% EC @ 5 ml/lit. Or FORS @ 2ml/lit. Need 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 |
| Turmeric              | Vegetative | In turmeric for the management of leaf spot/leaf blotch spray carbendazim @ 500 g/ha or mancozeb @ 1 kg/ha or copper oxychloride @ 1.25 kg/ha or propiconazole @ 500 ml/ha  |
| Coconut               | All        | In coconut, for the management of Coconut Red Palm Weevil Setting up of attractant traps (mud pots) containing sugarcane molasses 2½ kg or toddy 2½ litres + acetic acid 5 ml + yeast 5 g + longitudinally split tender coconut stem/logs of green petiole of leaves of 30 numbers in one acre to trap adult red palm weevils in large numbers. Install pheromone trap @ 1/2 ha   |
| Jasmine               | Vegetative | In jasmine for red spider mite spray any one of the following <ul style="list-style-type: none"> <li>• Fenazaquin 10 % EC @ 2 ml/lit.</li> <li>• Propargite 57 % EC @ 2ml/lit.</li> <li>• Wettable sulphur 50 WP @ 2 g/lit.</li> </ul>  |
| Livestock and Poultry | General    | Goat should be fed with 7kg green fodder, 3kg dry fodder, 200gm concentrated feed per day for maintaining good health.  |
|                       |            | 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  |
|---------------------------|-------|---|
| Livestock                 | Adult | Due to prevailing weather condition, hoof disorder may spread widely in cattle. Although it affects all livestock, the adult cows are commonly affected. Bacteria enter ulcer if any, in the foot through damp dung and mud. Hence the hoof should be periodically examined and trimmed. Immediately contact the nearby veterinary clinic for further information if the symptoms found in cattle.                                |
|                           |       | Control of myiasis<br>In Tamil Nadu, calving and lambing season usually coincides with monsoon. During parturition minor laceration & abrasions in the reproductive tract likely to occur, besides discharges (post – partum) would attract the myiasis producing flies to deposit their eggs, leading to wound myiasis. Hence, if such lesions occur, fly repellents like neem oil / ointment may be applied to prevent myiasis. |
|                           |       | Breeding season for sheep and goats   |

|   |                  |  |
|---|------------------|--|
|   |                  | The breeding season for sheep and goats starts from July to October when the seasonal rainfall starts. Breeding of ewes and does depends on feed and season. During this season, the feeding of ewes (flushing) increases more number of ewes to attain heat and breed so that there will be more number of multiple birth in does and uniform size lambs / kids crop.   |
| Poultry   | General          | In the recent days, there has been a rainy day followed by shine days in a week, this prevailing temperature and relative humidity is found to be an ideal condition for fly breeding. This has led to a high fly population in poultry farms. A simple technique is commonly practised to monitor fly population is spot card, which helps to take decision on fly control measures at an appropriate time. A white paper of size 5 x 3 inch mounted on a cardboard with pin and keep 5 – 10 spot cards / shed for 24 hour. After 24 hour, cards are collected and fly specks (spots) (faecal and vomit drops) can be counted to arrive approximate number of flies. If the fly spots are above 100, necessary control measures have to be taken. |
| Agro advisory from Krishi Vigyan Kendra, Namakkal : |                  |  |
| 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.  |
| Mulberry  | Vegetative stage | To improve the growth of mulberry plants farmers are requested to apply 150 kg super + 2 kg zinc sulphate along with 375 kg farm yard manure as enriched form.   |

### Dharmapuri

#### Weather Advisory Bulletin for livestock, poultry and agriculture

| Livestock, Poultry and Crop                           | Stage      | Weather advisory   |
|---|------------|--|
| Agro advisory from Krishi Vigyan Kendra, Dharmapuri : |            |  |
| Crops   | General    | Install yellow sticky trap @12no/ha to control sucking pests.  |
| Gourds  | General    | In gourds to increase yield spraying of ethrel @ 2.5ml/10 lit of water (250PPM) four times commencing from 15 days of sowing at weekly interval is advised.  |
| Tapioca   | Vegetative | <p>Management practices to be followed on white mealy bug affected plant in tapioca:</p> <p>Infected shoots should be removed</p> <p>Collect infected dry plants and discard or burn away from the field.</p> <p>In early stage of infection, any one of the following insecticide can be spray:</p> <p>Azadirachtin 0.15 % @ 50 ml/ litre of water</p> <p>Fish oil resin soap @ 2.0 ml/ litre of water</p> <p>Any one of the following insecticide can be sprayed on rotation basis as and required</p> <p>Thiamethoxam 25 WG @0.5 gram /litre of water</p> |



|           |            |  |
|-----------|------------|--|
|           |            | Flonicamid 50 WG @ 0.3 gram/ litre of water<br>Spirotetramat 150 OD @ 1.25 ml / litter of water  |
| Tuberose  | Vegetative | In tuberose crop foliar spray of Zinc sulphate 0.5% + Ferrous sulphate 0.2% + Boric acid 0.1% help production of good quality flowers.                                     |
| Livestock | General    | Due to past rainfall event cattle shed and cow penning area's probably in moist condition. So kindly keep the cattle shed in dry condition and use disinfectant like lime. |

### Krishnagiri

#### Weather Advisory Bulletin for livestock, poultry and agriculture

| Livestock, poultry & Crop                           | Stage         | Weather advisory   |
|---|---------------|--|
| Livestock   | Adult         | Due to prevailing weather condition, hoof disorder may spread widely in cattle. Although it affects all livestock, the adult cows are commonly affected. Bacteria enter ulcer if any, in the foot through damp dung and mud. Hence the hoof should be periodically examined and trimmed. Immediately contact the nearby veterinary clinic for further information if the symptoms found in cattle.   |
|   |               | Control of myiasis<br>In Tamil Nadu, calving and lambing season usually coincides with monsoon. During parturition minor laceration & abrasions in the reproductive tract likely to occur, besides discharges (post – partum) would attract the myiasis producing flies to deposit their eggs, leading to wound myiasis. Hence, if such lesions occur, fly repellents like neem oil / ointment may be applied to prevent myiasis.  |
|   |               | Breeding season for sheep and goats<br>The breeding season for sheep and goats starts from July to October when the seasonal rainfall starts. Breeding of ewes and does depends on feed and season. During this season, the feeding of ewes (flushing) increases more number of ewes to attain heat and breed so that there will be more number of multiple birth in does and uniform size lambs / kids crop.  |
| Poultry   | General       | In the recent days, there has been a rainy day followed by shine days in a week, this prevailing temperature and relative humidity is found to be an ideal condition for fly breeding. This has led to a high fly population in poultry farms. A simple technique is commonly practised to monitor fly population is spot card, which helps to take decision on fly control measures at an appropriate time. A white paper of size 5 x 3 inch mounted on a cardboard with pin and keep 5 – 10 spot cards / shed for 24 hour. After 24 hour, cards are collected and fly specks (spots) (faecal and vomit drops) can be counted to arrive approximate number of flies. If the fly spots are above 100, necessary control measures have to be taken. |
| Agro advisory from Krishi Vigyan Kendra, Namakkal : |               |  |
| 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.  |

|          |                  |  |
|----------|------------------|--|
| Mulberry | Vegetative stage | To improve the growth of mulberry plants farmers are requested to apply 150 kg super + 2 kg zinc sulphate along with 375 kg farm yard manure as enriched form. |
|----------|------------------|--|

### Karaikal

Weather based Agro-Advisories.

For direct wet seeded rice, apply 50 kg of P<sub>2</sub>O<sub>5</sub>/ha as basally in the last plough and level the field to have uniform crop stand and provide shallow trenches (15 cm width) at an interval of 3 m all along the field to facilitate the draining of excess water in case of heavy rainfall at the early growth stage of rice.

To manage weeds in direct wet seeded rice, apply pyrazosulfuron ethyl @ 200 g/ha or Pretilachlor + safener (sofit) 50% EC @ 0.45 kg/ha on 3-5 days after sowing. To prevent livestock from liver fluke infestation, avoid grazing of animals in the early morning and late evening as the new grasses that have grown after the rains may have the chance of liver fluke (worm) infestation due to snails.

SMS: Apply herbicide to nursery and direct seeded rice from 08th to 10th September (no rain).

### Puducherry

Weather based Agro-Advisories

To increase pod formation and better filling up of the pods in groundnut, apply gypsum 200 kg + borax 10 kg/ha and earthing up on 45 DAS. In groundnut, to manage tikka leaf spot disease, spray Mancozeb @ 2 g/ litre. In sugarcane, to manage mealy bug, spray Methyl Parathion 50 EC @ 2ml/l. To manage shoot borer in sugarcane, soil application of Cartaphydrochloride 4G 10kg/hectare may be done. To manage CMD in tapioca, spray 3% neem oil or methyl dematon 2ml/lit or Dimethoate 1ml/lit or Acetamiprid 0.3g/l. To prevent livestock from liver fluke infestation, avoid grazing of animals in the early morning and late evening as the new grasses that have grown after the rains may have the chance of liver fluke (worm) infestation due to snails.

SMS: Farmers are advised to apply need based irrigation to the crops as dry weather is expected for next five days.

## BLOCK LEVEL FORECAST

### NILGIRIS DISTRICT

#### Coonoor, Gudalur, Kotagiri and Ooty Blocks

#### Agro Advisory

| Crop         | Stage            | Advisory   |
|--------------|------------------|--|
| General      | All the stage    | In carrot crops during before sowing, application of neem cake @ 1 ton/ha at planting. Biofumigation of mustard plants followed by application of neemcake @ 250kg/ha along with Purpureocillium lilacinum @ 5kg/ha or application of P. lilacinum as seed treatment @ 20g/kg of seed followed by soil application @ 2.5kg/ha along with FYM @ 2.5 t/ha to reduce the nematode attack to the crops in the field. |
| Potato crops | Vegetative stage | Spray Gramaxone @ 2.5 l/ha in 500 lit of water as post - emergence. The critical period of weed-competition is upto 60 days and it is essential to keep the field weed-free during that period. Take up  |

|                  |  |   |
|------------------|--|---|
|                  |  | the first hoeing on 45th day without disturbing stolons and second hoeing and earthing up on 60th day.  |
| Plantation crops |  | In pepper plantation, apply 50:20:70 g of NPK per vine during September – October to prevent spike drop and for enhancing the yield.                                |
|                  |  | In ginger plantation, 37.5: 12.5 kg of N and K per ha applied on 45th and 90th day after planting may be given as top dressing per tree in the post monsoon period. |
| Cattle           |  | Due to light rainfall, allow the animals to graze outside, do not standing near the trees or electric poles. Provide adequate dry feed/fodder and drinking water.   |

SMS advisory

In carrot crops during before sowing, Application of neem cake @ 1 ton/ha at planting to reduce the nematode attack to the crops in the field.

