



GOVERNMENT OF INDIA
 MINISTRY OF EARTH SCIENCES
 INDIA METEOROLOGICAL DEPARTMENT
 METEOROLOGICAL CENTER, HYDERABAD

**COMPOSITE AGRO-METEOROLOGICAL ADVISORY SERVICE
 BULLETIN FOR THE STATE OF TELANGANA**



ISSUED ON 23.05.2017

BULLETIN NO.41

From the period (24-05-2017 to 28-05-2017)

(5 day from Wednesday to Sunday)

STATE AGRO-METEOROLOGICAL SERVICES CENTER (SAMC), HYDERABAD

Three Agro-climatic Zones of Telangana

Agro-climatic Zone	Districts	In-charge stations
North Telangana	Adilabad, Karimnagar & Nizamabad	RARS, Jagtial
South Telangana	Mahabubnagar, Nalgonda, Rangareddy	RARS, Rajendra Nagar
Central Telangana	Medak, Warangal & Khammam	RARS, Rajendra Nagar

Part A: Weather

Synoptic situation

16.05.2017

Heat wave conditions prevailed at isolated places over Adilabad and Nalgonda Districts of Telangana.

A trough at mean sea level runs from north Coastal Andhra Pradesh to south coastal Tamilnadu along the coast. The upper air cyclonic circulation over north Andaman sea & neighbourhood now lies over Gulf of Martaban & neighbourhood and extends upto 3.6 km above mean sea level.

17.05.2017

Heat wave conditions prevailed at isolated places in the districts of WGL, ADL, KHM & NLG of TLNG.

The trough at mean sea level from north Coastal Andhra Pradesh to south coastal Tamilnadu, now runs from South Coastal Andhra Pradesh to South Tamilnadu. The upper air cyclonic circulation over Gulf of Martaban & neighbourhood extending upto 3.6 km above mean sea level persists. An upper air cyclonic circulation lies over Chattisgarh & Neighbourhood and extends upto 0.9km above mean sea level. The trough from this system to North Coastal Andhra Pradesh and extends upto 1.5 km above mean sea level

18.05.2017

Heat wave conditions prevailed at isolated places in the district NLG of TLNG.

The Southwest Monsoon has further advanced into some more parts of southeast Bay of Bengal, some parts of eastcentral Bay of Bengal and remaining parts of north Andaman sea. The Northern Limit of Monsoon (NLM) passes through Lat.5.0°/Long. 80.0° E, Lat. 8.0° N/Long. 87.0° E, Lat. 13.0° N/ Long. 92.0° E, Maya Bandar and Lat. 16.0° N/ Long. 95.0° E. The NLM, is likely to remain over the same region during next 4-5 days.

The trough at mean sea level from south Coastal Andhra Pradesh to south Tamilnadu, now runs from south coastal Andhra Pradesh to Comorin area.

A trough runs from west Bihar to west central Bay of Bengal and extends upto 1.5 km above mean sea level and the upper air cyclonic circulation over north Chhattisgarh & neighbourhood, now lies over north Chhattisgarh and adjoining Odisha and extends upto 0.9 km above mean sea level. The trough from this system to north Coastal Andhra Pradesh extending upto 1.5 km above mean sea level has become less marked.

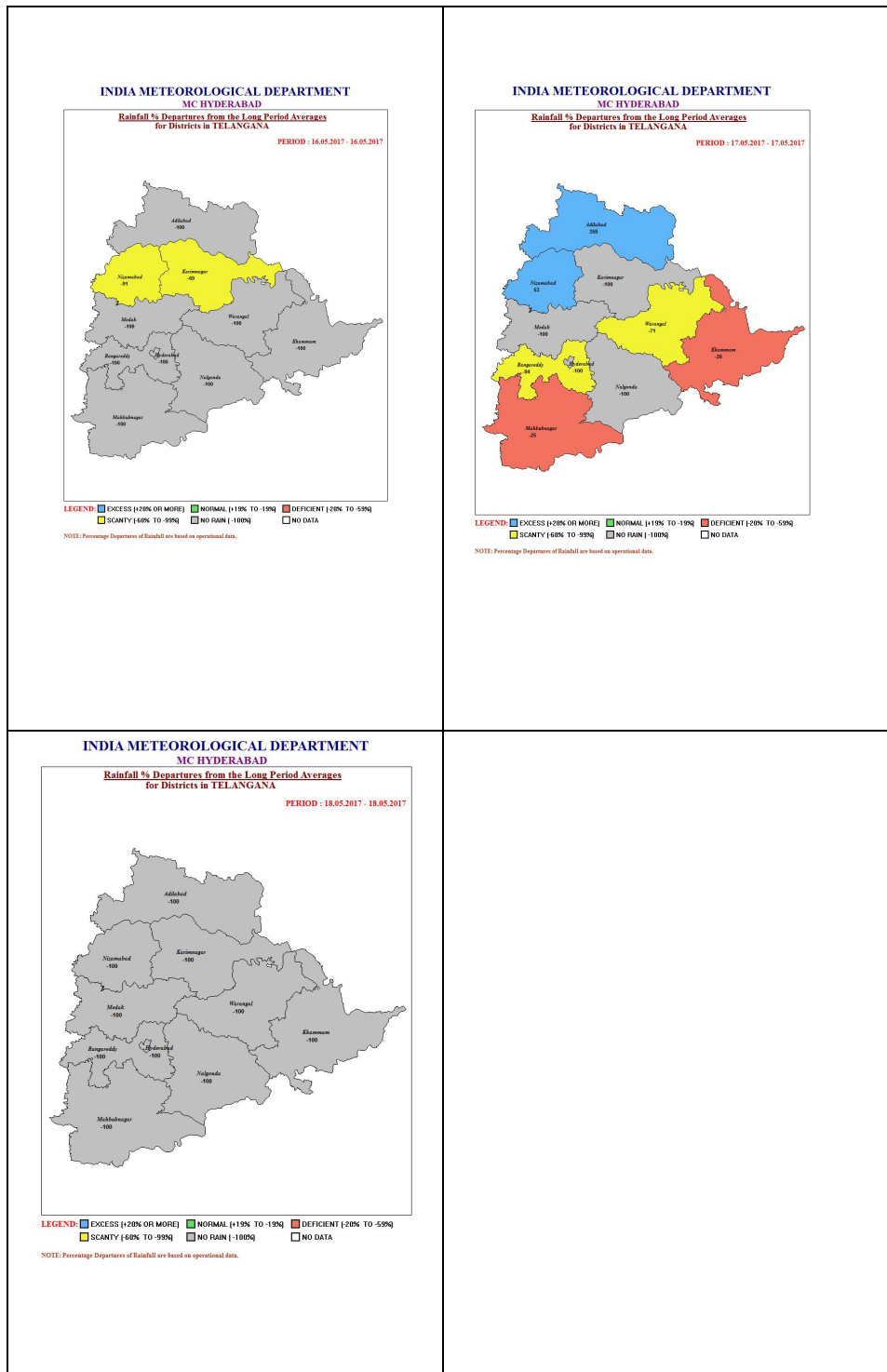
The Northern Limit of Monsoon (NLM) continues to pass through Lat.5.0°N/Long. 80.0° E, Lat. 8.0° N/Long. 87.0° E, Lat. 13.0° N/ Long. 92.0° E and Lat. 16.0° N/ Long. 95.0° E. The NLM, is likely to persist over the same region during next 45 days.

Realized Rainfall distribution during last four days from 19.05.2017 to 22.05.2017

Isolated rain occurred over Telangana on 16th and 17th May 2017.

Dry weather prevailed over Telangana on 18th May 2017.

Rainfall Distribution during for the Period of 19-05-2017 to 22-05-2017 (for four days)

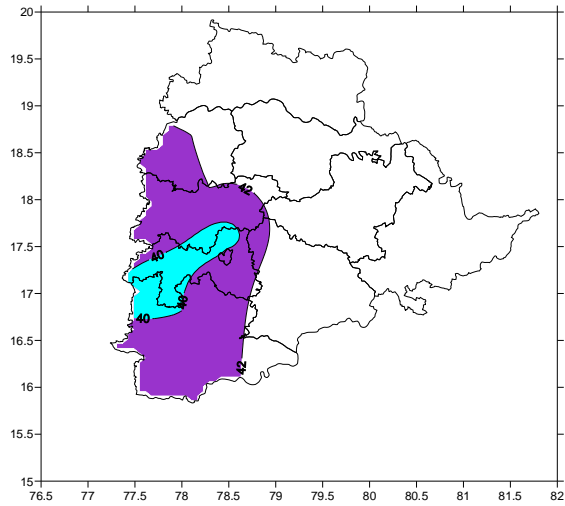


Distribution of Weather parameters for the last four days (Period 19.05.2017 to 22.05.2017)

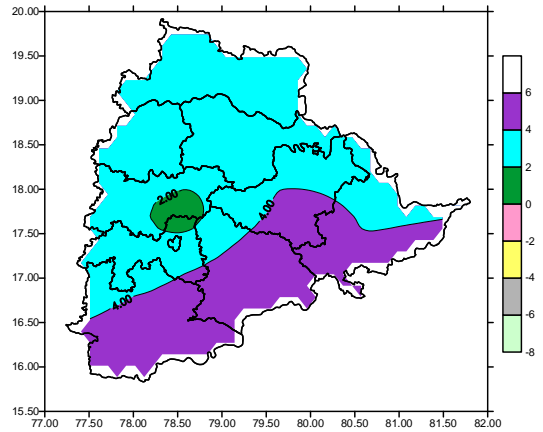
Mean Maximum Temperature (°C) in

Departure of Maximum Temperature(°c)in

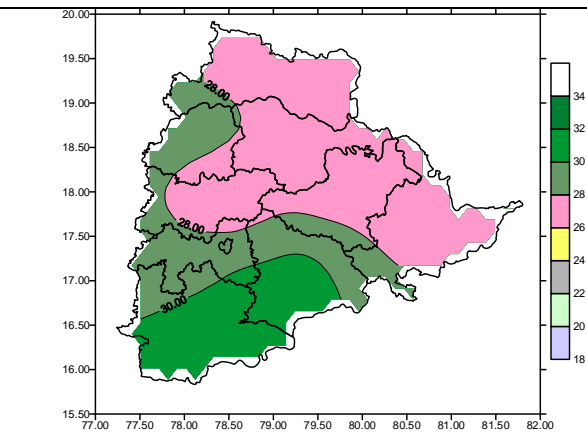
Telangana



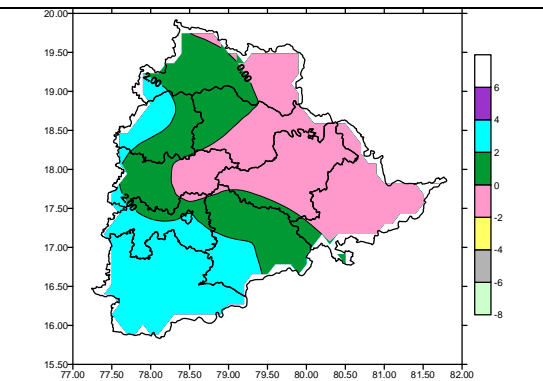
Telangana



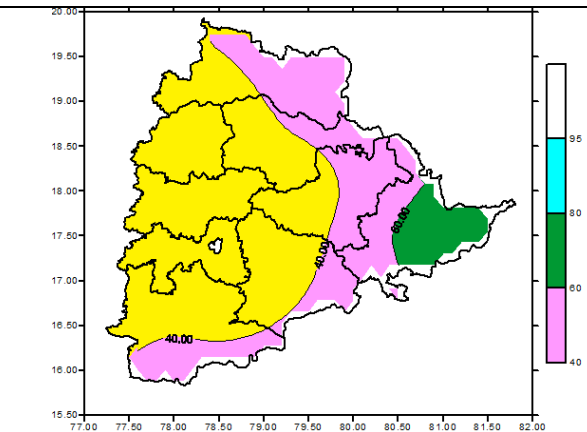
Mean Minimum Temperature (°C) in Telangana



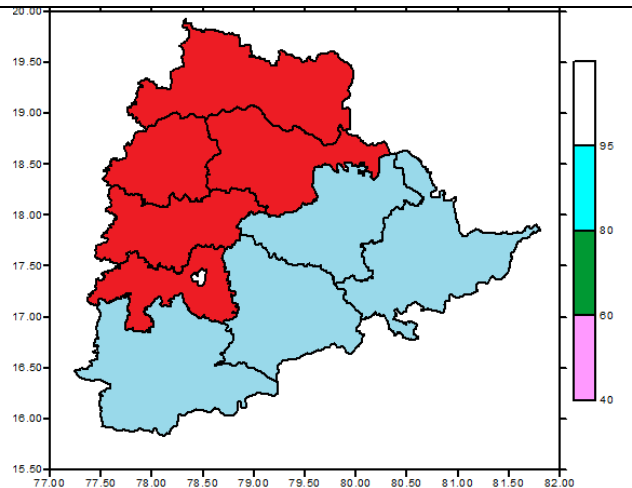
Departure of Minimum Temperature(°c)in Telangana



Mean Maximum Relative Humidity (%) in Telangana

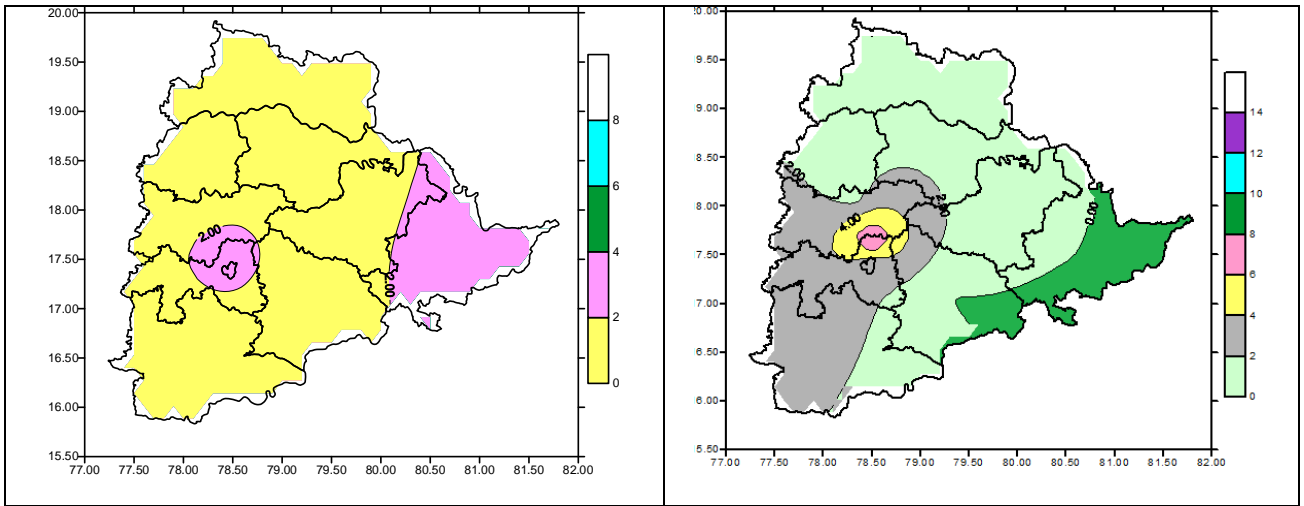


Mean Minimum Relative Humidity(%) in Telangana



Mean Cloud (Octa) in Telangana

Mean Wind speed(Knots) in Telangana



1.4 Description of Past Weather for the last four days (19.05.2017 to 22.05.2017)

Max Temperature (deg C): The maximum temperatures are between 41°C-45°C in the districts of Telangana. The Maximum Temperatures were markedly above normal at one or two paces over Telangana.

Min Temperature (deg C): The minimum temperatures were 21°C - 31°C in the districts of Telangana. The Minimum Temperatures were above normal at one or two places over Telangana.

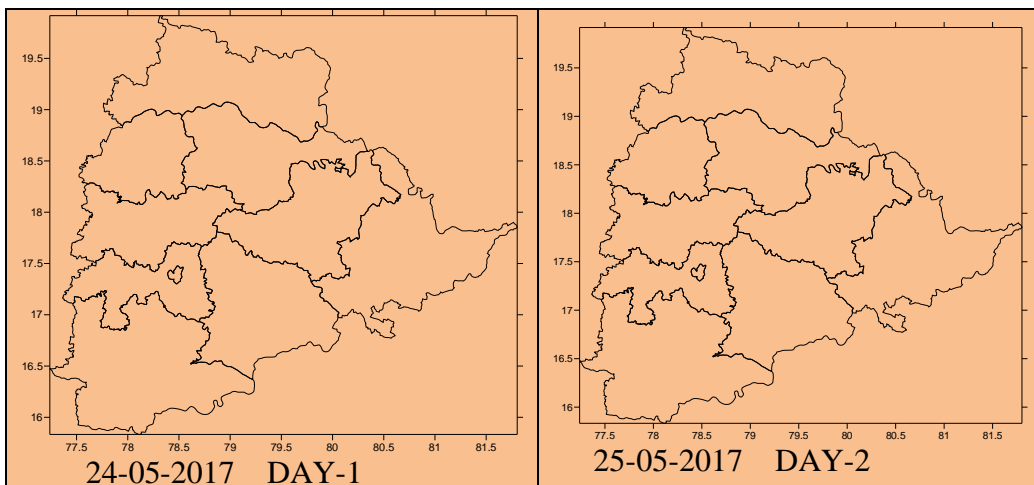
Total cloud cover (Okta): The cloud cover was 0-4 Okta in the districts of Telangana.

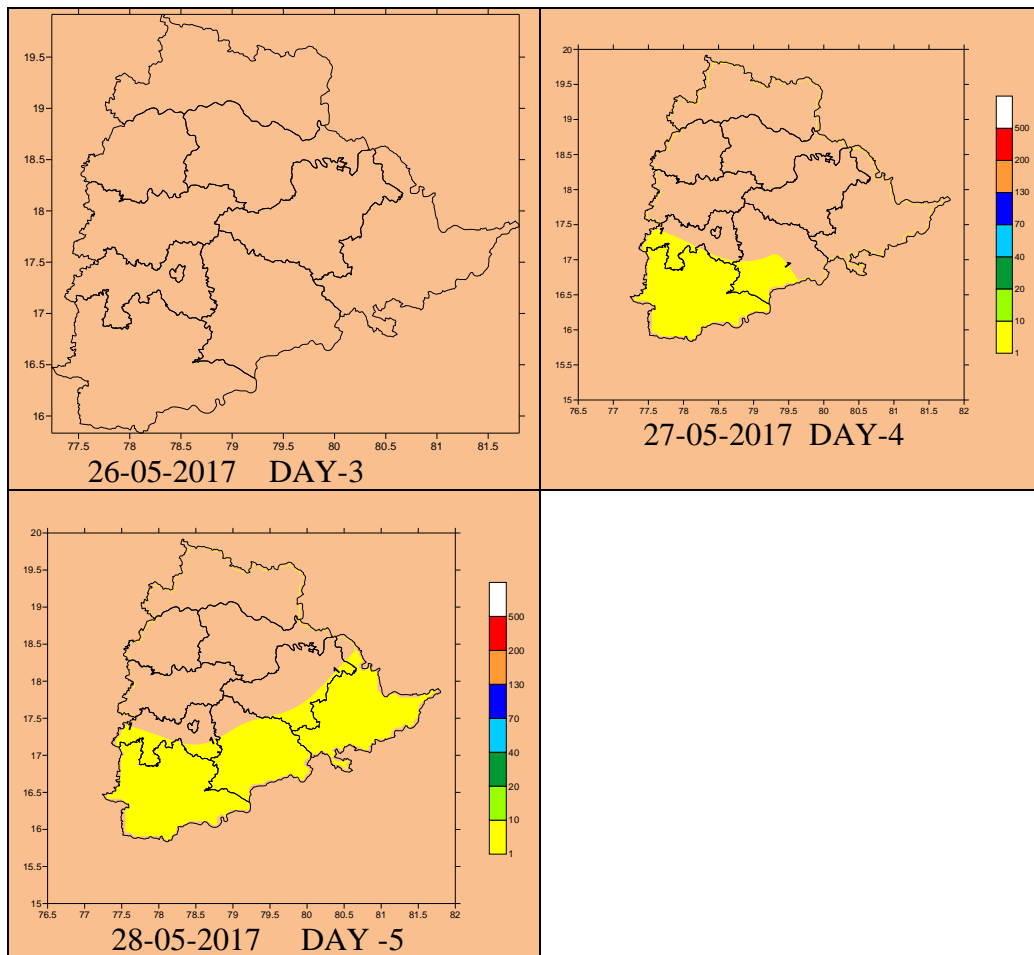
Max Relative Humidity (%): The Relative Humidity was between 23 - 65% in the districts of Telangana.

Min Relative Humidity (%): The Relative Humidity was between 14% -38% in the districts of Telangana.

Wind Speed (Kmph): The wind speed was between 00–09 over Telangana.

2.2 Rainfall distribution for the next five days (Period 24.05.2017 to 27.05.2017)





2.2 Weather parameters distribution for the next five days (Period 20.05.2017 to 24.05.2017)

Rainfall (mm): North Telangana zone 00-00, Central Telangana Zone 00 -02, South Telangana Zone 00 -02.

Max Temperature (deg C): The maximum temperature in North Telangana zone would be : 45°C - 46°C, in Central Telangana zone : 44°C - 45°C and in South Telangana Zone : 45°C -46°C.

Min Temperature (deg C): The minimum temperature in North Telangana zone would be : 29°C - 30°C, in Central Telangana zone : 28°C-29°C and in South Telangana Zone : 30°C – 31°C.

Cloud cover (Okta): The cloud cover would be 2-4 Okta in the districts of Telangana.

Max Relative Humidity (%): The maximum Relative Humidity in North Telangana zone would be : 35% - 39% , in Central Telangana zone 50% -55% and in South Telangana Zone : 46% - 52%.

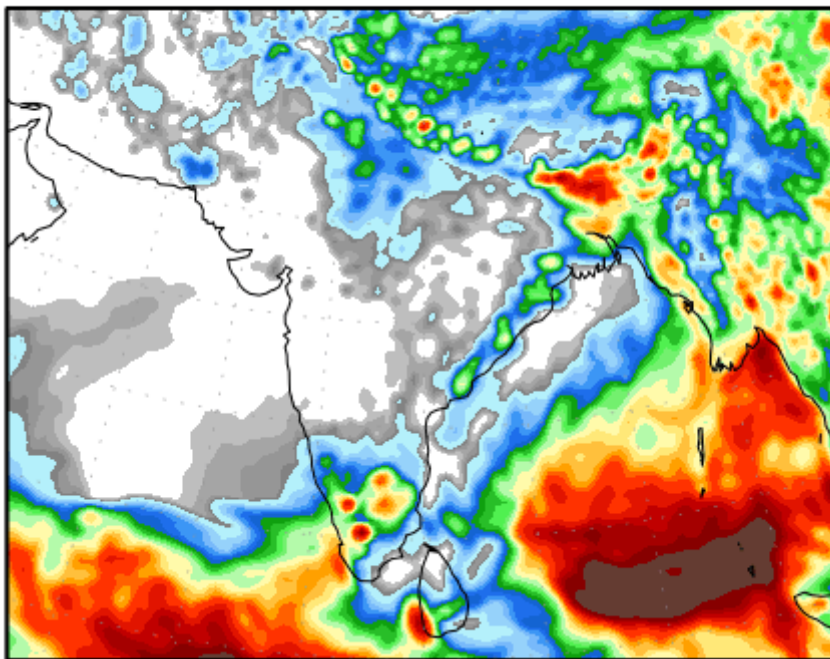
Min Relative Humidity (%): The Minimum Relative Humidity in North Telangana zone would be : 29% - 34%, in Central Telangana zone : 32% -34% and in South Telangana Zone : 24% - 26%

Wind Speed (Kmph): The wind speed was between 11-14 over North Telangana Telangana, between 10-15 in Central Telangana and 10-14 in South Telangana.

Wind direction (deg): The predominant wind direction would be from South-Westerlies to North-Westerlies over Telangana state.

Rainfall Forecast for 18-05-17 to 26-05-17

Precipitation Forecasts



Detailed District/Zone wise Agro met Advisories

AGRO METEOROLOGICAL ADVISORY for DISTRICT, TLNG

PROFESSOR JAYASHANKAR TELANGANA STATE AGRICULTURAL UNIVERSITY Agro Climate Research Centre (ACRC), Agricultural Research Institute, Rajendranagar, Hyderabad-30. WEATHER BASED AGRO ADVISORIES FOR THE PERIOD ENDING 24.05.2017 (Till Wednesday morning) Bulletin No. XXVIII/40/2017 Dt: 19.05.2017 During last three days light rains occurred at isolated places over different parts of the State. The maximum and minimum temperatures ranged between 38-46°C and 25-31°C respectively. As per the forecast received from Meteorological Centre, Hyderabad, light rains may occur at isolated places over different parts of the State during next five days and heat wave conditions may prevail over different parts of the State during next five days. The maximum and minimum temperatures are likely to range between 40-46°C and 25-31°C, respectively. WEATHER BASED AGRO-ADVISORIES

Farmers are advised to take up summer ploughing to control weeds, hibernating pests and disease spores that may damage kharif crops.

Mango Prevailing weather conditions are congenial for the incidence of fruit fly in mango. To trap the flies in the container, hang the plastic containers with mixture of methyl eugenol @ 2 ml + Carbofuran 3G @ 3g per litre of water in the orchard.

Sweet Orange If incidence of Mite is noticed, to control spray Wettable sulphur @ 3 g or Dicofol @ 5ml or Propargite @ 2ml per litre of water.

Vegetables If incidence of sucking pests is noticed. To control, spray Dimethoate @ 2 ml or Acephate @ 1.5 g per litre of water.

Poultry Prevailing weather conditions are congenial for the occurrence of Ranikhet disease in poultry. To prevent the diseases, vaccinate the birds. To protect the poultry birds arrange fans and foggers in sheds, cover the sheds with paddy straw and arrange sprinklers. Feed with wet mash to increase the feed intake and provide cool water for drinking.

Cattle and buffaloes Prevailing weather conditions are congenial for the occurrence of - Sheep pox in Sheep and Goat - Foot and mouth disease in cattle and Buffaloes. To prevent the diseases, vaccinate the animals D