



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 23.06.2017

BULLETIN NO.50

From the period (24-06-2017 to 28-06-2017)

(5 day from Saturday to Wednesday)

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, Jagtiyal
South Telangana	Mahabubnagar, Nalgonda, Rangareddy	RARS, Rajendra Nagar
Central Telangana	Medak, Warangal & Khammam	RARS, Rajendra Nagar

Part A: Weather

Synoptic situation

20.06.2017

Yesterday's trough on sea level chart from Odisha to South Tamilnadu along and off Coastal Andhra Pradesh & Rayalaseema persists.

21.06.2017

An upper air cyclonic circulation lies over north coastal Odisha & neighbourhood between 4.5 & 5.8 km above mean sea level. Yesterday's trough at mean sea level now runs from Odisha to South Tamilnadu across and off Coastal Andhra Pradesh & Rayalaseema.

22.06.2017

Yesterday's upper air cyclonic circulation lies over North Bay of Bengal & neighbourhood between 3.1 & 3.6 km above mean sea level. The trough on sea level chart runs from Odisha to South Tamilnadu across Coastal Andhra Pradesh & Rayalaseema.

Realized Rainfall distribution during last three days from 20.06.2017 to 22.06.2017

Heavy rain occurred at isolated places over Rangareddy district of Telangana state on 20th June 2017..

Rain occurred at a few places over Telangana on 20th & 21st June 2017.

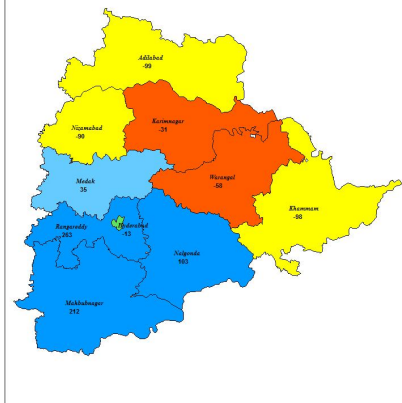
Isolated Rain occurred over Telangana on 22nd June 2017.

Rainfall Distribution for the Period of 20-06-2017 to 22-06-2017 (for three days)

INDIA METEOROLOGICAL DEPARTMENT
MC HYDERABAD

Rainfall % Departures from the Long Period Averages
for Districts in TELANGANA

PERIOD : 20.06.2017 - 20.06.2017

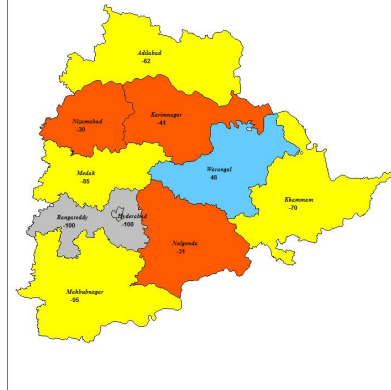


LEGEND: ■ L. EXCESS (+60% OR MORE) ■ EXCESS (+20% TO +59%) ■ NORMAL (+15% TO -15%)
■ DEFICIENT (-20% TO -59%) ■ L. DEFICIENT (-60% TO -99%) ■ NO RAIN (-100%) ■ NO DATA

INDIA METEOROLOGICAL DEPARTMENT
MC HYDERABAD

Rainfall % Departures from the Long Period Averages
for Districts in TELANGANA

PERIOD : 21.06.2017 - 21.06.2017

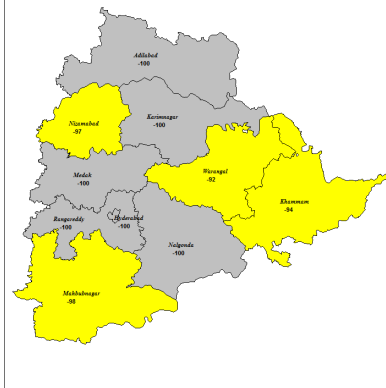


LEGEND: ■ L. EXCESS (+60% OR MORE) ■ EXCESS (+20% TO +59%) ■ NORMAL (+15% TO -15%)
■ DEFICIENT (-20% TO -59%) ■ L. DEFICIENT (-60% TO -99%) ■ NO RAIN (-100%) ■ NO DATA

INDIA METEOROLOGICAL DEPARTMENT
MC HYDERABAD

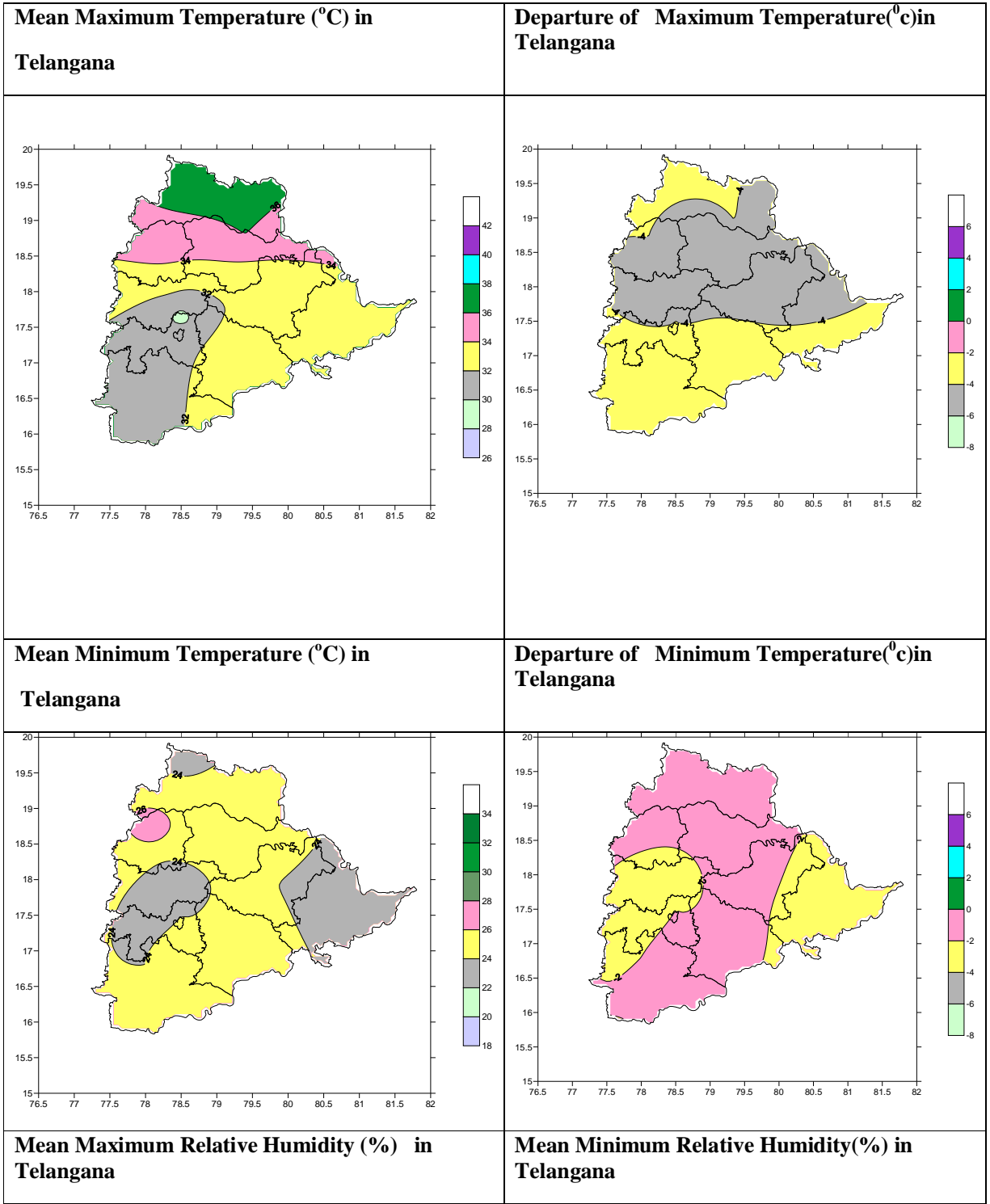
Rainfall % Departures from the Long Period Averages
for Districts in TELANGANA

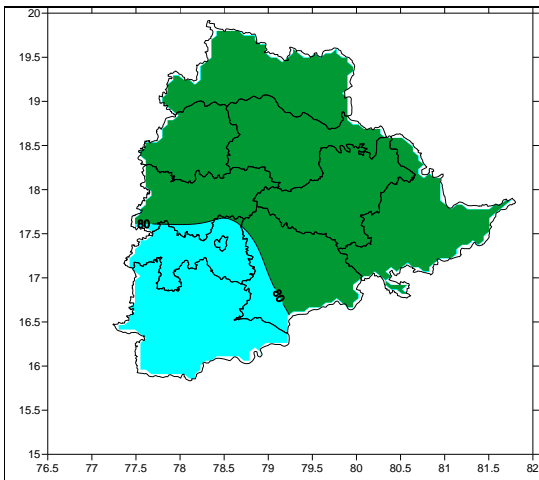
PERIOD : 22.06.2017 - 22.06.2017



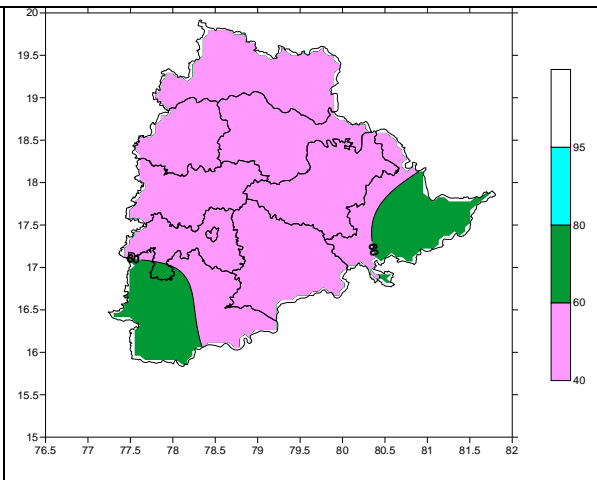
LEGEND: ■ L. EXCESS (+60% OR MORE) ■ EXCESS (+20% TO +59%) ■ NORMAL (+15% TO -15%)
■ DEFICIENT (-20% TO -59%) ■ L. DEFICIENT (-60% TO -99%) ■ NO RAIN (-100%) ■ NO DATA

Distribution of Weather parameters for the last three days (Period 20.06.2017 to 22.06.2017)

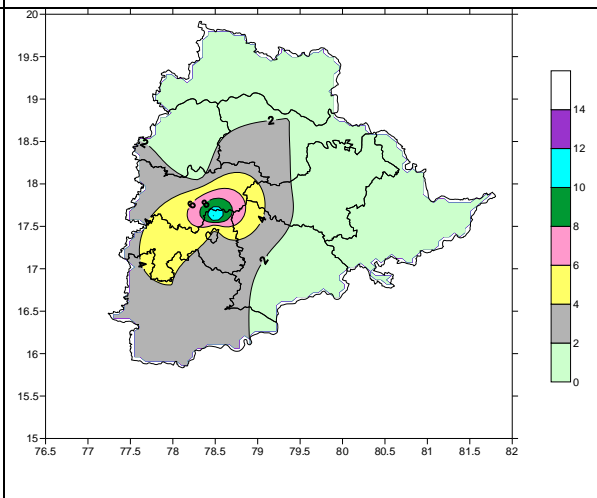
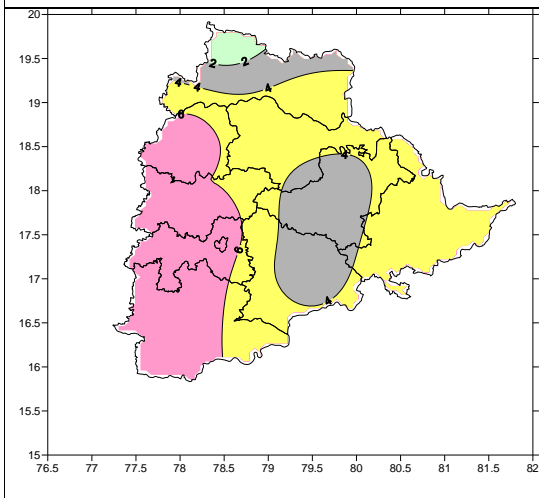




Mean Cloud (Okta) in Telangana



Mean Wind speed(Knots) in Telangana



1.4 Description of Past Weather for the last three days (20.06.2017 to 22.06.2017)

Max Temperature (deg C): The maximum temperatures are between 29°C-37°C in the districts of Telangana. The Maximum Temperatures were below normal at a few places over Telangana.

Min Temperature (deg C): The minimum temperatures were 23°C - 27°C in the districts of Telangana.

The Minimum Temperatures were below normal at a few places over Telangana.

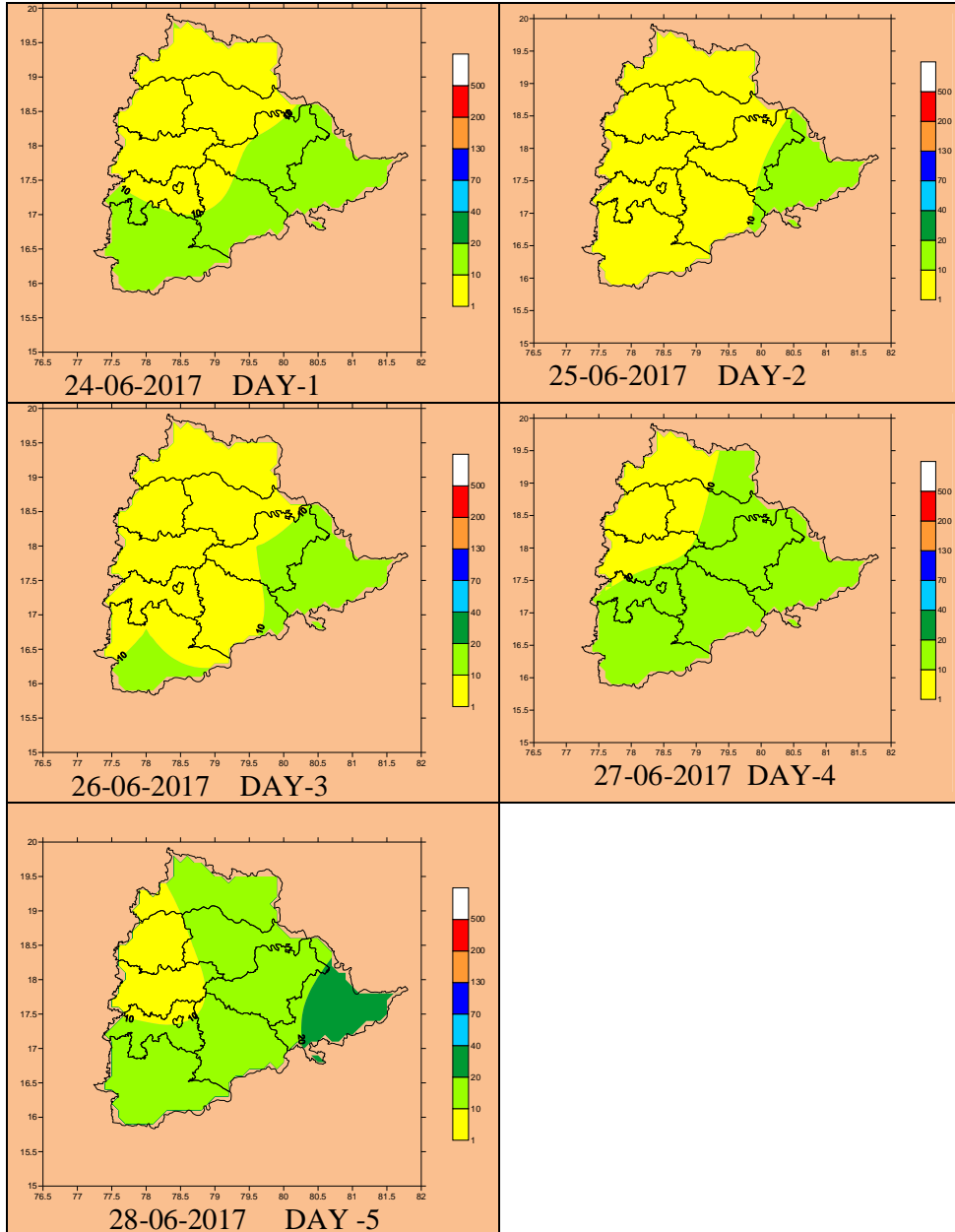
Total cloud cover (Okta): The cloud cover was 0-6 Okta in the districts of Telangana.

Max Relative Humidity (%): The Relative Humidity was between 54% - 75% in the districts of Telangana.

Min Relative Humidity (%): The Relative Humidity was between 48% - 75% in the districts of Telangana.

Wind Speed (Kmph): The wind speed was between 00–13 over Telangana.

2.2 Rainfall distribution for the next five days (Period 24.06.2017 to 28.06.2017)



2.2 Weather parameters distribution for the next five days (Period 24.06.2017 to 28.06.2017)

Rainfall (mm): North Telangana zone 06-15, Central Telangana Zone 13 -22, South Telangana Zone 09 - 15.

Max Temperature (deg C): The maximum temperature in North Telangana zone would be : 36°C - 37°C, in Central Telangana zone : 35°C - 36°C and in South Telangana Zone : 36°C -37°C.

Min Temperature (deg C): The minimum temperature in North Telangana zone would be : 23°C - 24°C, in Central Telangana zone : 24°C-24°C and in South Telangana Zone : 24°C – 25°C.

Cloud cover (Okta): The cloud cover would be 5-8 Okta in the districts of Telangana.

Max Relative Humidity (%): The maximum Relative Humidity in North Telangana zone would be : 80% - 86% , in Central Telangana zone 83% -87% and in South Telangana Zone : 77% - 79%.

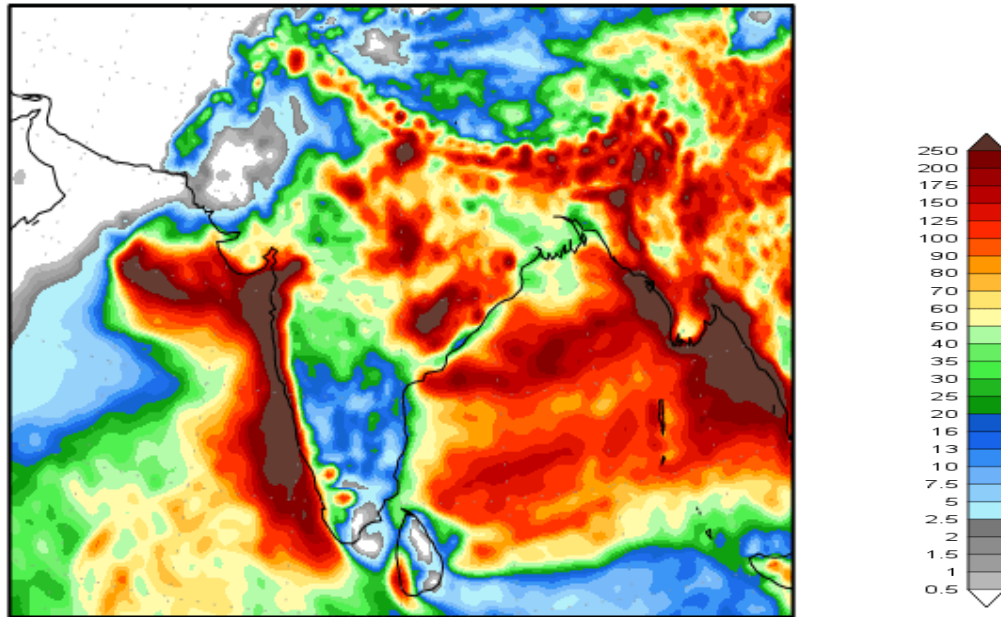
Min Relative Humidity (%): The Minimum Relative Humidity in North Telangana zone would be : 59% - 65%, in Central Telangana zone : 72% -75% and in South Telangana Zone : 69% - 70%

Wind Speed (Kmph): The wind speed was between 12-14 over North Telangana Telangana, between 12-17 in Central Telangana and 13-18 in South Telangana.

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

Rainfall Forecast for 23-06-17 to 01-07-17

Precipitation Forecasts



PART B

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 25.06.2017 (Till Sunday morning) Bulletin No. XXVIII/49/2017 Dt: 20.06.2017 During last three days light to moderate rains occurred at many places and rather heavy rains occurred at isolated places over different parts of the State. The maximum and minimum temperatures ranged between 28-38°C and 21-27°C respectively. As per the forecast received from Meteorological Centre, Hyderabad, light to moderate rains may occur at many places over different parts of the State during next five days. The maximum and minimum temperatures are likely to range between 29-36°C and 22-27°C, respectively. WEATHER BASED AGRO-ADVISORIES Drain out excess water from the fields of rainfed crops where heavy rainfall received. • By taking advantage of recent rains and rain forecast for next two days, take-up the sowings • of rainfed crops like Jowar, Bajra, Maize, Soybean, Greengram, Cotton, Redgram etc., Sow the Redgram as inter crop in Cotton or Maize. • Sow the crops like Maize, Jowar, Bajra, Soybean etc., in ridge and furrow method. • By taking advantage of rains, take-up sowing of Sunhemp and Dhaincha as in-situ green • manure crop preceding rice. Sow Greengram as catch crop preceding rice depending on the availability of water. Don't sow the paddy nurseries using Telangana Sona (RNR 15048) in the month of June. • Do not sow Cotton and Soybean in light soils under rainfed conditions. • Don't sow the Maize crop in light soils under rainfed conditions in South Telangana Districts • Take up rice nurseries using medium duration varieties duly treating with Carbendazim @ 1 • g or Mancozeb @ 2.5 g per kg of seed. Sow the Greengram, Soybean after seed treatment with Carbendazim @ 2.5 g and • Carbosulfan @ 30 g per kg of seed. Vegetables To prevent the incidence of damping off in vegetable nurseries, adopt the following • measures, - Drench nursery bed with Copper-Oxy-Chloride @ 3 g per litre of water. - Provide adequate drainage. - Treat the seed with Imidacloprid @ 5g and Captan @ 3g per kg seed to prevent the incidence of sucking pests and leafspot disease in nursery. - Raise the nursery bed and sow the seeds in a row at a distance of 10 cm. Cattle and buffaloes Prevailing weather conditions are congenial for the occurrence of • - Ranikhet disease in poultry, ET, sheep pox and PPR in Sheep - Hemorrhagic Septicemia, Foot and mouth disease in cattle and Buffaloes. To prevent the diseases, vaccinate the animals