

**TAMIL NADU VETERINARY AND ANIMAL SCIENCES UNIVERSITY**  
**AGROMETEOROLOGICAL ADVISORY SERVICES, NAMAKKAL, TN**  
**INDIA METEOROLOGICAL DEPARTMENT**  
**MINISTRY OF EARTH SCIENCES, NEW DELHI**

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**Weather Advisory Bulletin - Namakkal**

**Bulletin No. 015-2010**

**Date: 26.02.2010**

A) Weather for the last three days at Namakkal (23.02.2010 and 25.02.2010)

During the last three days around Namakkal area, the sky was clear with out any precipitation. Maximum temperature was 36.0°C (96.8°F) with night temperature of 21°C (69.8°F). Wind speed was 5.0 – 6.5 km per hour and the direction was from south east. Relative humidity at 7.30 AM was 69-70 % and at 2.30 P.M, it was 33-45 %.

B) Weather for the next four days (Short-range weather forecasting of IMD, New Delhi)

| Sl. No | Parameters          | 27.02.2010      | 28.02.2010    | 01.03.2010      | 02.03.2010      |
|--------|---------------------|-----------------|---------------|-----------------|-----------------|
| 1.     | Cloud cover         | Slightly cloudy | Clear Sky     | Slightly cloudy | Slightly cloudy |
| 2.     | Rain (mm)           | 0               | 0             | 0               | 0               |
| 3.     | Wind Speed (Km/hr)  | 7               | 6             | 5               | 5               |
| 4.     | Wind Direction from | South           | South         | South           | South           |
| 5.     | Temperatures        |                 |               |                 |                 |
|        | (a) Maximum         | 36°C (96.8°F)   | 36°C (96.8°F) | 37°C (98.4°F)   | 38°C (98.4°F)   |
|        | (b) Minimum         | 22°C (71.6°F)   | 22°C (71.6°F) | 21°C (69.8°F)   | 22°C (71.6°F)   |
| 6      | Relative Humidity   |                 |               |                 |                 |
|        | Maximum (%)         | 70              | 70            | 70              | 70              |
|        | Minimum (%)         | 40              | 39            | 39              | 39              |

**Special Weather Advisory Bulletin for Poultry Farming:**

1. The weather for the period from 27.02.2010 to 02.03.2010 will be with little chances of precipitation. The maximum and minimum temperatures will be 37°C (98.6°F) and 21°C (69.8°F) respectively. Wind speed will be moderate.

2. The temperatures are increasing during the day time which will be 37.0°C (98.6°F) which indicates setting of early summer as experienced in the last year. Last year, similarly, Feb. 26 witnessed a sharp increase in day time temperature coupled with increase in night temperature. This will be stressful for the birds. Prepare the birds to face an early summer, include, electrolytes, choline chloride (250 – 500 grams per ton) regularly in the feed. Reduction in feed is reported frequently now.
3. Prepare the shed and water connections for the summer. Rectify the defective fogger connections and keep track water level in the deep wells.
4. Provision of correct brooding temperature will help to reduce the mortality in first week chicks with good water intake and uniform weight.
5. Last one week long observations in Avian Disease Laboratory, Namakkal examination of dead birds showed symptoms of Ranikhet and Chronic Respiratory Disease infections due to poor water quality and microbial load in the sheds. Hence, farmers are advised to strictly follow the bio-security measures.

**Special Weather Advisory Bulletin for Agriculture: (Krishi Vigyan Kendra, Namakkal):**

6. Present weather predisposed the gingelley plant leaves to blackening of leaves due to leaf coiling worms and also pod flies. Use 300 ml of Endosulfon or 600 ml of Quinylphos in 200 litre of water as a spray over the plant per acre.

**Weather Advisory Bulletin – Salem**

**Bulletin No. 015-2010**

**Date: 26.02.2010**

A) Weather for the last three days at Salem (23.02.2010 and 25.02.2010)

During the last three days around Salem district, the weather was clear with maximum temperature touching 37°C (98.4°F) and minimum temperature was 22°C (71.6°F). Wind speed was 2-6 km per hour during this period and the direction by majority was from south. Relative humidity was 74 - 80 %.

B) Weather for the next four days (Short-range weather forecasting of IMD, New Delhi)

| Sl. No | Parameters  | 27.02.2010      | 28.02.2010 | 01.03.2010      | 02.03.2010 |
|--------|-------------|-----------------|------------|-----------------|------------|
| 1.     | Cloud cover | Slightly cloudy | Clear sky  | Slightly cloudy | Clear sky  |
| 2.     | Rain (mm)   | 0               | 0          | 0               | 0          |

|    |                     |               |               |               |               |
|----|---------------------|---------------|---------------|---------------|---------------|
| 3. | Wind Speed (Km/hr)  | 4             | 4             | 4             | 3             |
| 4. | Wind Direction from | South         | South         | South         | South         |
| 5. | Temperatures        |               |               |               |               |
|    | (a) Maximum         | 36°C (96.8°F) | 36°C (96.8°F) | 37°C (98.6°F) | 37°C (98.6°F) |
|    | (b) Minimum         | 23°C (73.4°F) | 22°C (71.6°F) | 21°C (69.8°F) | 21°C (69.8°F) |
| 6  | Relative Humidity   |               |               |               |               |
|    | Maximum (%)         | 78            | 78            | 79            | 68            |
|    | Minimum (%)         | 31            | 31            | 30            | 22            |

**Special Weather Advisory Bulletin for Dairy and Poultry Farming:**

1. The weather for the next four days from 27.02.2010 to 02.03.2010 will be clear but the maximum temperature will touch 37°C (98.6°F) with increase in the night temperature to 21°C (68.0°F). During this weather, poultry will start to consume lesser.
2. Criterion for selection of feed ingredients meant for dairy and poultry feed should be the moisture and aflatoxin contents. Avoid materials containing more than 13 % moisture.
3. Provision of correct brooding temperature will help to reduce the mortality in first week chicks with good water intake and uniform weight.
4. As the diurnal temperature is wide, it will continue to be stressful for the birds to face two different extremes of the temperature in a day. This will lead to differences in the feed intake between days and a decision in respect of energy and protein level in the feed is yet to taken in a concrete way.
5. Greens and grazing are decreasing. Dairy farmers are cautioned about the availability of green fodder. They are advised to use some quantity of concentrate feed to overcome the deficiency of vital vitamins.

**Weather Advisory Bulletin – Dharmapuri**

**Bulletin No. 015-2010**

**Date: 26.02.2010**

C) Weather for the last three days at Dharmapuri (23.02.2010 and 25.02.2010)

During the last three days around Dharmapuri district, the weather was clear with low temperature of 20°C (68.0°F). Maximum temperature read 35°C (95.0°F). Wind speed was 6 km per hour during this period and the direction by majority was from northwest. Relative humidity was 72 - 81 %.

B) Weather for the next four days (Short-range weather forecasting of IMD, New Delhi)

| Sl. No | Parameters          | 27.02.2010      | 28.02.2010      | 01.03.2010    | 02.03.2010      |
|--------|---------------------|-----------------|-----------------|---------------|-----------------|
| 1.     | Cloud cover         | Slightly cloudy | Slightly cloudy | Clear sky     | Slightly cloudy |
| 2.     | Rain (mm)           | 0               | 0               | 0             | 0               |
| 3.     | Wind Speed (Km/hr)  | 6               | 4               | 4             | 6               |
| 4.     | Wind Direction from | East            | South           | South         | East            |
| 5.     | Temperatures        |                 |                 |               |                 |
|        | (a) Maximum         | 35°C (95.0°F)   | 35°C (95.0°F)   | 34°C (93.2°F) | 35°C (95.0°F)   |
|        | (b) Minimum         | 23°C (73.4°F)   | 22°C (71.6°F)   | 21°C (69.8°F) | 20°C (68.0°F)   |
| 6      | Relative Humidity   |                 |                 |               |                 |
|        | Maximum (%)         | 81              | 84              | 85            | 77              |
|        | Minimum (%)         | 36              | 36              | 38            | 38              |

**1. Special Weather Advisory Bulletin for Dairy and Poultry Farming:**

1. The weather for the next four days from 27.02.2010 to 02.03.2010 will be clear but the maximum temperature will touch 35°C (95.0°F) with increase in the night temperature to 23°C (73.4°F). During this weather, poultry will start to consume lesser.
2. Criterion for selection of feed ingredients meant for dairy and poultry feed should be the moisture and aflatoxin contents. Avoid materials containing more than 13 % moisture.
3. Provision of correct brooding temperature will help to reduce the mortality in first week chicks with good water intake and uniform weight.
4. As the diurnal temperature is wide, it will continue to be stressful for the birds to face two different extremes of the temperature in a day. This will lead to differences in the feed intake between days and a decision in respect of energy and protein level in the feed is yet to taken in a concrete way
5. To maintain proper milk yield wit milk fat, it is advised to feed dairy animals @ 1 kg concentrate for maintenance and 5 liters of milk with extra 450 grams for every additional 1 litre of milk per animal.
6. Poultry farmers are advised to check the titer for RD and IB to maintain the production at standard level.

7. Greens and grazing are decreasing. Dairy farmers are cautioned about the availability of green fodder. They are advised to use some quantity of concentrate feed to overcome the deficiency of vital vitamins.

**Weather Advisory Bulletin – Krishnagiri**

**Bulletin No. 015-2010**

**Date: 26.02.2010**

A) Weather for the last three days at Krishnagiri (23.02.2010 and 25.02.2010)

During the last three days around Krishnagiri district, the weather was clear with low temperature of 20°C (68.0°F). Maximum temperature read 35°C (95.0°F). Wind speed was 6 km per hour during this period and the direction by majority was from northwest. Relative humidity was 72 - 81 %.

B) Weather for the next four days (Short-range weather forecasting of IMD, New Delhi)

| Sl. No | Parameters          | 27.02.2010      | 28.02.2010      | 01.03.2010    | 02.03.2010      |
|--------|---------------------|-----------------|-----------------|---------------|-----------------|
| 1.     | Cloud cover         | Slightly cloudy | Slightly cloudy | Clear sky     | Slightly cloudy |
| 2.     | Rain (mm)           | 0               | 0               | 0             | 0               |
| 3.     | Wind Speed (Km/hr)  | 6               | 4               | 4             | 6               |
| 4.     | Wind Direction from | East            | South           | South         | East            |
| 5.     | Temperatures        |                 |                 |               |                 |
|        | (a) Maximum         | 35°C (95.0°F)   | 35°C (95.0°F)   | 34°C (93.2°F) | 35°C (95.0°F)   |
|        | (b) Minimum         | 23°C (73.4°F)   | 22°C (71.6°F)   | 21°C (69.8°F) | 20°C (68.0°F)   |
| 6      | Relative Humidity   |                 |                 |               |                 |
|        | Maximum (%)         | 81              | 84              | 85            | 77              |
|        | Minimum (%)         | 36              | 36              | 38            | 38              |

**1. Special Weather Advisory Bulletin for Dairy and Poultry Farming:**

1. The weather for the next four days from 27.02.2010 to 02.03.2010 will be clear. Thus the maximum temperature will be 35°C (95.0°F) with simultaneous increase in night temperature to 23°C (73.4°F) causing the poultry to be disturbed due to wide diurnal temperature difference.
2. Criterion for selection of feed ingredients meant for dairy and poultry feed should be the moisture and aflatoxin contents. Avoid materials containing more than 13 % moisture.

3. As the diurnal temperature is wide, it will continue to be stressful for the birds to face two different extremes of the temperature in a day. This will lead to differences in the feed intake between days and a decision in respect of energy and protein level in the feed is yet to taken in a concrete way
4. Parent birds will have to be monitored for **Ranikhet** and **Infectious Bronchitis** disease titre level in the blood periodically Monitor deep litter poultry for a possible cocci outbreak.
5. Criterion for selection of feed ingredients meant for dairy and poultry feed should be the moisture and aflatoxin contents. Avoid materials containing more than 13 % moisture.

(Signed) Professor and Head, Agromet.  
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