



**GRAMIN KRISHI MAUSAM SEWA
INDIA METEOROLOGICAL DEPARTMENT
ODISHA UNIVERSITY OF AGRICULTURE & TECHNOLOGY
Mahisapat, Dhenkanal- 759013**



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Week No.-39

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(FRIDAY)

DISTRICT: DHENKANAL (Mid-central Table Land Zone)

Weather condition during last week (20.09.2025 to 26.09.2025)

| | |
|---------------------------------|------------------|
| Rainfall (mm) | 29.2 |
| Maximum Temperature (°C) | 30.0-35.5 |
| Minimum Temperature (°C) | 24.9-26.6 |

Forecast (Up to 01.10.2025) given by Met. Centre, IMD, Bhubaneswar

| Date | Rainfall (mm) | T-MAX (°C) | T-MIN (°C) | Cloud Cover | RH Max (%) | RH Min(%) | Wind Speed (kmph) | Wind Direction (deg) |
|------------|---------------|------------|------------|-------------|------------|-----------|-------------------|----------------------|
| 27-09-2025 | 50 | 30 | 23 | 8 | 95 | 71 | 6 | 54 |
| 28-09-2025 | 20 | 30 | 22 | 6 | 96 | 78 | 10 | 81 |
| 29-09-2025 | 7 | 29 | 22 | 5 | 96 | 77 | 5 | 69 |
| 30-09-2025 | 8 | 29 | 22 | 5 | 96 | 71 | 3 | 40 |
| 01-10-2025 | 6 | 30 | 23 | 4 | 95 | 68 | 3 | 90 |

Weather Summary:

According to the IMD forecast, Dhenkanal district is likely to receive moderate rainfall for the next 2days and light rainfall thereafter. The sky is expected to be partly to generally cloudy. Wind speeds are anticipated to 03-10 km/h. Maximum and minimum temperatures will be between 29-30°C and 22-23°C respectively. Maximum relative humidity is predicted to be between 95% to 96% and minimum relative humidity ranging from 68% to 78% during this period.

ORANGE WARNING (BE PREPARED) :-

Heavy rain with thunderstorm with lightning with gusty surface wind speed reaching 30-40 kmph very likely to occur at one or two places over the district of Dhenkanal on 27th September.

YELLOW WARNING (BE AWARE) :-

Thunderstorm with lightning with gusty surface wind speed reaching 30-40 kmph very likely to occur at one or two places over the district of Dhenkanal on 28th September.

Agromet Advisory

General Advisory:

- ❖ In view of heavy rainfall forecast make provision for draining out excess water in standing crops by keeping drain ends open.
- ❖ Withhold application of fertilizer and plant protection chemical application until rain water recedes.
- ❖ Do proper field surveillance for pests and diseases regularly and take appropriate plant protection measures accordingly.

| Crop | Stage | Crop and Livestock specific Advisory |
|--------------|--------------------------|--|
| PADDY | Panicle Initiation stage | <ul style="list-style-type: none"> • After receding of rain water there is chance of infestation of Swarming Caterpillar. For control this, spray Chlorpyrifos 50 % + Cypermethrin 5 % EC @ 400-ml/acre or Lambda-cyhalothrin @ 400-ml/acre. • There is chance of Root rot in paddy due to stagnation of water after heavy rain. For control these diseases spray Tebuconazole 50%+ Trifloxystrobin 25 % WG @ 80-gram/acre or Propiconazole 25% EC @ 200ml/acre. |
| MAIZE | Cob development | <ul style="list-style-type: none"> • Rainfall after a dry spell may aggravate infestation of Fall army |

| | | |
|-------------------------------------|--------------------------------|---|
| | stage | worm in maize. For control the pest spray biopesticide <i>Beauveria bassiana</i> @ 1200-gram/acre by mixing in 200- litre of water. Dust mixture of sand, soil and wooden ash inside the leaf whorl so that the caterpillars cannot feed on the leaves. To manage the pest chemically, spray Emamectin Benzoate 5 % S.G@ 80 g/acre or Spinetoram 11.7% S.C @ 100ml/acre or Chlorantraniliprole 18.5% S.C @ 80-ml/acre. 200 litre of water per acre is required to spray the insecticide. |
| SUGARCANE | Grand growth stage | <ul style="list-style-type: none"> • Tie sugarcane leaves from four to five plants together to prevent lodging and provide staking. • After receding of rainfall to manage Internode borer biological use <i>Trichogramma chilonis</i> card @ 1/acre at weekly interval for 6 times by splitting each card into 12 pieces at the given perforations. • To manage the pest chemically, spray Fipronil @ 600-ml /acre or Profenophos @ 400-ml/acre or Chlorantraniliprole 18.5% S.C @ 80-ml/acre or Chlorantraniliprole 0.4 GR @ 4 kg/acre by mixing in 200-litre of water. Instead of this you can also apply Chlorantraniliprole 0.4 GR @ 4kg/acre by mixing with 8 kg of sand. |
| SESAME | Flowering to Capsule formation | <ul style="list-style-type: none"> • Provide adequate drainage channels to avoid water logging in the Sesame field. There are chances of Leaf webber infestation in Sesame crop. To manage leaf webber spray Chlorpyrifos 50 % + Cypermethrin 5 % EC @ 400-ml/acre or Profenophos 50 % EC @ 400-ml/acre. |
| COLE CROPS: | Nursery stage | <p>Nursery management-</p> <ul style="list-style-type: none"> • The seed rate for Cauliflower, cabbage and Broccoli is 200g for improved varieties and 50g for hybrid seeds. For one-acre cultivation, prepare 10-12 nursery bed of 3m length, 1m breadth and 10-15 cm height. Apply 20 kg of completely decomposed FYM to each nursery bed ten days before sowing. |
| TOMATO, BRINJAL & CHILLI | Nursery stage | <ul style="list-style-type: none"> • Due to heavy rainfall there are chances of Damping off disease in vegetable nursery like Tomato, Brinjal, Chilli. For control it drench nursery bed with 2- gram Captan/litre of water or 2.5-gram Copper Oxchloride/litre of water. |
| CUCURBITS | Flowering to Fruiting | <ul style="list-style-type: none"> • There are chances of infestation of Downy Mildew disease in cucurbit vegetables after the heavy rainfall. For control Downy Mildew disease in cucurbits spray Copper Hydroxide 77 % WP @ 3-gram/litre or Fosetyl -AL 80 % WP @ 3-gram/litre or Carbendazim 12 % + Mancozeb 63 % WP @ 2-gram/litre. |
| PAPAYA | Fruiting | <ul style="list-style-type: none"> • To control papaya Crown rot after heavy rain Provide drainage and spray Copper Oxchloride @3 g/litre of water or Carbendazim @1 g/lit or Thiophanate Methyl @1 g/lit at 15 days interval. |
| FISHERY | | <ul style="list-style-type: none"> • Heavy rainfall may decrease the salinity of water in the pond. Farmers are advised to apply alky-dimethyl-benzyl ammonium chloride (3ppm) as a disinfectant after cessation of rain. |
| LIVESTOCK | | <ul style="list-style-type: none"> • During rainy season conduct regular health checks on livestock to identify any signs of stress or illness early. • Ensure a clean and adequate water supply, avoiding stagnant water which can be a breeding ground for pathogens. • Regularly check water sources for contamination and maintain proper hygiene. |

Approved by ADR cum Nodal Officer
GKMS-AMFU, RRTTS
Mahisapat, Dhenkanal

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