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Week No.15

Bulletin No.30
Dt. 12.04.2024
(FRIDAY)

DISTRICT: DHENKANAL (Mid-central Table Land Zone)

Weather condition during last week (06.04.2024 to 12.04.2024)

| | |
|---------------------------------|------------------|
| Rainfall (mm) | 25.9 |
| Maximum Temperature (°C) | 23.9-41.7 |
| Minimum Temperature (°C) | 20.4-26.8 |

Forecast (Up to 17.04.2024) given by Met. Centre, IMD, Bhubaneswar

| Date | Rainfall (mm) | T-MAX (oC) | T-MIN (oC) | Cloud Cover | Rh Max (%) | Rh Min (%) | Wind speed (kmph) | Wind Direction (deg) |
|-------------|----------------------|--------------------|--------------------|--------------------|-------------------|-------------------|--------------------------|-----------------------------|
| 13-04-2024 | 2 | 30 | 22 | 5 | 43 | 23 | 8 | 270 |
| 14-04-2024 | 0 | 34 | 22 | 3 | 53 | 19 | 9 | 281 |
| 15-04-2024 | 0 | 36 | 24 | 2 | 56 | 19 | 7 | 169 |
| 16-04-2024 | 0 | 38 | 24 | 1 | 59 | 19 | 9 | 202 |
| 17-04-2024 | 0 | 40 | 26 | 1 | 69 | 19 | 9 | 158 |

As per IMD forecast, the Dhenkanal district is likely received very light rainfall on tomorrow and dry weather thereafter. The sky will remain mainly clear to generally cloudy. The wind speed is likely to remain 07-09 km/h. The maximum and minimum temperature will likely to increase gradually during next five days. The maximum RH will remain between 43% to 69% and minimum RH between 19% to 23% during next five days.

Agromet Advisory

General Advisory:

- ❖ Initiate summer ploughing with the availability of soil moisture.
- ❖ Harvest the matured Green gram, Black gram and Groundnut crop.
- ❖ After harvesting of Green gram, Black gram and Groundnut, dry the seeds until the optimum moisture content is attained. Clean the entire surface where the storage is to be done.

| Crop | Stage | Agromet Advisory |
|-----------------------|-------------------|---|
| PADDY (Summer) | Milking / Booting | To control Gundi Bug spray Chlorpyrifos 20% EC @ 400 ml/ acre or Malathion 50 % EC @ 400 ml/ acre by mixing in 200 litre of water. Dusting of Chlorpyrifos 1.5 % D @ 10 kg/acre 3 or Malathion 5 % D.P @ 10 kg/acre should be done uniformly during morning hours, when there is no or minimum wind. |
| Maize | Tasseling | Prolonged dry spell followed by rain may increase the infestation of Fall army worm in maize. To control this spray 80 gm Emamectin benzoate 5% SG or 80 ml Chlorantraniliprole 18.5% AC in 200 liter water per acre. |
| Groundnut | Post harvesting | There are chances of Fungal infection if the seed moisture content is above the critical level of 10%. Hence need to be dried under direct sunlight to bring moisture content below 10% for safe storage. Groundnut should be stored in polythene lined gunny bags with desiccant like fused Calcium Chloride @ 250-gram/30-kg of seeds. |

| | | |
|------------------------|-----------------------------------|--|
| | | apply Fipronil 0.3% GR @ 10 kg/acre at the time of first earthing up. In case of severe infestation spray Fipronil 5 % SC @ 600 ml/acre or Profenophos 50% EC @ 400ml/acre by mixing it in 200 litre of water. |
| CUCURBITS: | Flowering to Fruiting | To manage Fruit fly in cucurbits, prepare a poison bait by mixing 400 g of Jaggery and 8 ml Malathion or DDVP in 4 litre of water. Keep this mixture in Plastic cups or clay pots @80 nos/acre. The fruit flies will be attracted to this and eventually get killed by falling into the poison baits. |
| BRINJAL/TOMATO: | Vegetative to Flowering/ Fruiting | <ul style="list-style-type: none"> • To control Bacterial wilt, First of all select bacterial wilt resistant variety for cultivation. • Cultivate pulses, oilseeds, marigold etc. in the same field instead cultivating Brinjal, Tomato, Chilli repeatedly. • Summer cultivation can be done and cover the soil with thin transparent polythene for 45 days. • Seed treatment can be done with Plantomycin @ 1.5 gm or Streptocycin @150 mg with Copper Oxychloride @ 2gm /liter of water and soak them for 10 minutes, dry them in shade and then sow in the nursery. • Before transplanting in the main land, add Plantomycin @ 1gm/liter or Streptocycin @100 mg/ liter of water and soak the seedling roots in it for 15 minutes. • Drenching the soil with Streptocycine @ 1.5 g or Plantomycin @ 15 g with Copper Oxychloride @ 30 g/ 10 liters of water. |
| CHILLI: | Flowering to Fruiting | There are chances of Fruit rot and die back disease incidence in Chilli crop. To manage these disease spray Propineb 70 % WP @ 500 gram/acre or Difenconazole 25 % EC m@ 100-ml/acre or Azoxystrobin 23 % SC @ 200-ml/acre. The fungicide should be sprayed first just before flowering and second at fruit formation stage. |
| OKRA: | Flowering to Fruiting | To control YMV disease whitefly management should be done. Diseased plants should be rogued out to prevent further spread of the disease. To manage whitefly infestation at early stage of crop spray Neem based pesticide 1500 PPM @ 600 ml/acre by mixing in 200 litre of water. If the infestation is severe than go for chemical pesticide like Thiamethoxam @ 40- gram/acre or Acetamiprid @ 50 g /acre by mixing in 200 litre of water. |

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

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