

ACHARYA N. G. RANGA AGRICULTURAL UNIVERSITY
Agromet-Cell, Agricultural Research Institute, Rajendranagar, Hyd-30.

WEATHER BASED AGRO ADVISORIES FOR THE STATE OF ANDHRA PRADESH
FOR THE PERIOD ENDING 17.11.2007 (Till Saturday morning)

Bulletin No.XIV/89/2007

Dt: 13.11.2007

During last four days isolated showers occurred over South Coastal Andhra Pradesh and mainly dry weather prevailed in other regions of the State. As per the forecast received from Indian Meteorological Department, Pune, in coming four days isolated rains or thundershowers may occur in Rayalaseema and South Coastal Andhra Pradesh. Mainly dry weather will prevail in remaining parts of the State.

WEATHER BASED AGRO-ADVISORIES

- The incidence of gray mildew is noticed in long duration cotton in Warangal. Control it by spraying wettable Sulphur @ 3g per litre of water.
- The incidence of black arm is noticed in cotton. To control, Spray Copper-Oxy- chloride @ 30 g + Streptocyclin @ 1 g in **10 litres** of water, 2 to 3 times at 15 days interval.
- The incidence of aphids, jassids and thrips is noticed. To control, spray Monocrotophos @ 1.6 ml or Acephate @ 1.5g or Imidacloprid @ 0.4 ml per litre of water.
- The prevailing low temperatures are congenial for the incidence of blast in rice. Monitor the disease if noticed, control it by spraying Tricyclazole @ 0.6 g per litre of water.
- The incidence of sheath blight and stem rot is noticed in East and West Godavari districts. To control,

Sheath blight

- Spray Hexaconazole or Validamycin @ 2 ml or Propiconazole @ 1 ml per litre of water, twice at 15 days interval.

Stem rot

- Spray Validamycin or Hexaconazole @ 2 ml per litre of water.
- The incidence of BPH is noticed in rice in Warangal and Nalgonda, WBPH in Srikakulam district and BPH and WBPH in East and West Godavari districts. To control them, spray Ethofenprox @ 1.5 ml or Acephate @ 1.5 g or Thiamethoxam @ 0.2 g per litre of water. The spray should be directed to the base of the plant for effective control of the pest. In case, leaf mite or panicle mite is noticed, avoid spray of acephate.
- The incidence of *Helicoverpa* is noticed on redgram. To manage the pest, adopt following IPM measures.
 - Arrange bird perches @ 10-15 per acre to promote bird activity.
 - Arrange pheromone traps @ 4 per acre.
 - Spray NSKE 5% to control eggs, and early instar larvae.
- The incidence of thrips, dieback, *Cercospora* leaf spot, *Choanephora* blight and powdery mildew is noticed in chillies.

To control,

Thrips

- Spray Fipronil @ 2.0 ml per litre of water.

Dieback

- Spray Captan @ 1.5 g per litre of water.

***Cercospora* leaf spot**

- Spray Mancozeb @ 2.5 g or Carbendazim @ 1 g per litre of water.

***Choanephora* blight**

- Spray Plantamycin or Poustamycin @ 0.2g or Streptomycin @ 0.1g + Copper oxychloride @ 3g per litre of water 2-3 times at 15 days interval.

Powdery mildew

- Spray Wettable Sulphur @ 3.0 g per litre of water.
- The deficiency of Zinc and Boron is noticed in Chilli. The prevailing low temperatures further hastens the deficiency. To correct the deficiency,

Zinc deficiency

- Spray ZnSo₄ @ 2g per litre of water.

Boron deficiency

- Spray boron @ 1.5 g per litre of water.
- The incidence of wooly aphis, *Pyrilla* and scale insects is noticed on sugarcane in Nizamabad district. To control,

Wooly aphis :

- Spray Malathion @ 3 ml or Dimethoate @ 2 ml or Acephate @ 1 g per litre of water. If severity is more, spray Acephate @ 1 g + Dichlorvas @ 1 ml per litre of water.

***Pyrilla* :**

- Spray Endosulfan or Malathion @ 2 ml per litre of water.

Scale insects:

- Spray Malathion or Dimethoate @ 2 ml per litre of water.
- Prevailing weather conditions are congenial for the spread of anthracnose in mango. To control, spray Carbendazim @ 1 g or Copper- Oxy-Chloride @ 3 g per litre of water.
- Prevailing weather conditions are congenial for the incidence of Anthracnose and Powdery Mildew in grape. Control them by spraying Hexaconazole @ 1ml per litre of water.
- The incidence of Sigatoka leaf spot is noticed in banana. To control, spray Tridemorph or Propiconazole @ 1 ml per litre of water 2-3 times at 20 days interval.

Cattle and buffaloes

- The prevailing weather conditions are congenial for the occurrence of
 - Hemorrhagic Septicemia, Foot and mouth disease in cattle,
 - ET and PPR disease in sheep and goat,
 - Sheep Pox in sheepTo prevent the disease, vaccinate the animals.
- To prevent blue tongue disease in sheep, farmers are advised to keep the sheep in sheds during night time.

Principal Scientist (Agromet.)

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PRESS RELEASE

Bulletin No. XIV/89/2007

Date: 13.11.2007

WEATHER BASED AGRO-ADVISORIES FOR SOUTHERN TELANGANA AGROCLIMATIC ZONE
(4 DAYS *i.e* 13.11.2007 (Tuesday), 8.30 A.M. to 17.11.2007 (Saturday), 8.30 A.M.)

Sky is likely to be partly cloudy during these four days and light showers may occur on Friday. Northern winds may blow at a speed of 5 to 8 kmph. The maximum and minimum temperatures are expected to range between 28°C to 30°C and 12°C to 13°C, respectively.

AGRO-ADVISORIES

Cotton

- The incidence of aphids, jassids and thrips is noticed. To control, spray Monocrotophos @ 1.6 ml or Acephate @ 1.5g or Imidacloprid @ 0.4 ml per litre of water.

Rice

- The prevailing low temperatures are congenial for the incidence of blast in rice. Monitor the disease if noticed, control it by spraying Tricyclazole @ 0.6 g per litre of water.

Redgram

- The incidence of *Helicoverpa* is noticed on redgram. To manage the pest, adopt following IPM measures.
 - Arrange bird perches @ 10-15 per acre to promote bird activity.
 - Arrange pheromone traps @ 4 per acre.
 - Spray NSKE 5% to control eggs, and early instar larvae.

Grape

- Prevailing weather conditions are congenial for the incidence of Anthracnose and Powdery Mildew in grape. Control them by spraying Hexaconazole @ 1ml per litre of water.

Castor

- The incidence of *Botrytis*, Shoot and Capsule borer is noticed. To control,

Botrytis

- Collect and burn the affected spikes.
- Spray Carbendazim @ 1g per litre of water.

Shoot and Capsule Borer

- Spray Dimethoate or Monocrotophos @ 2 ml per litre of water.

Chillies:

- The deficiency of Zinc and Boron is noticed in Chilli. The prevailing low temperatures further hastens the deficiency. To correct the deficiency,

Zinc deficiency

- Spray ZnSo4 @ 2g per litre of water.

Boron deficiency

- Spray boron @ 1.5 g per litre of water.

Vegetables

- The incidence of shoot and fruit borer is noticed in brinjal. To control,
 - Collect and destroy the infested shoots and fruits.
 - Spray Carbaryl @ 3 g or Endosulfan @ 2 ml per litre of water, alternately at 10 days interval.
- The incidence of wilt is noticed in vegetable crops. To control, drench the soil around the plants with Copper-Oxy-Chloride @ 3 g per litre of water.
- The incidence of sucking pests is noticed in vegetable crops. To control, spray Fipronil or Dimethoate or Metasystox @ 2 ml per litre of water.
- Prevailing weather conditions are congenial for the incidence of fungal diseases like leaf spot, anthracnose and powdery mildew in gourds. To control,
 - Leaf spot and Anthracnose:**
 - spray Mancozeb @ 2.5 g or Copper-Oxy-Chloride @ 3 g per litre of water and
 - Powdery Mildew:**
 - spray Dinocap @ 1 ml per litre of water.
 - Note:** Avoid using Sulphur on gourds.
- Take up sowing of carrot, radish, beetroot etc.
- The prevailing weather conditions are congenial for the occurrence of
 - Hemorrhagic Septicemia, Foot and mouth disease in cattle,
 - ET and PPR disease in sheep and goat,
 - Sheep Pox in sheep.To prevent the disease, vaccinate the animals.
- To prevent blue tongue disease in sheep, farmers are advised to keep the sheep in sheds during night time.

COMPLETED

PRINCIPAL SCIENTIST (AGROMET.)

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