

# **Directorate of Horticulture**

Gole Pully, Talab-Tillo, Jammu  
(Phone No. 2100084, Fax No. 2501219, E. mail hipojam@gmail.com)

## **Office of the Horticulture Information and Publicity Officer Jammu**

### **N O T I C E**

#### **Important Message for Fruit Growers of Jammu Division**

The fruit growers of Jammu Division are hereby advised to adopt the following cultural and protective measures during the month of **March 2018** for better management of their orchards.

#### **GENERAL**

1. Continue Spring Plantation in irrigated areas up to 15<sup>th</sup> march.
2. Remove water/stock sprouts from the plants.
3. White wash exposed trunks/ stems with mixture of Slaked Lime & Copper Sulphate against Sunburn/ Fungal diseases.
4. Provide staking to the young plants for their upright growth.
5. Use Bio-fertilizers like Azotobactor, Azospyrillum, Phosphobacteria etc. to enhance soil fertility.
6. Vermicompost should be added in the soil to enrich soil with macro and micro nutrients thereby strengthening and increasing water holding capacity of soil.
7. Due to scarcity and limited sources of water, micro- irrigation system like Drip and sprinkler system should be adopted in the orchards.

#### **MANGO**

1. Apply half dose of Urea if not applied in previous months.
2. Spray Dimethoate 30 EC @ 1ml/litre of water or Carbaryl 50 WP @ 2gm/lit of water against Mango Hopper at panicle emergence stage & against nymphs of Mealy Bugs.
3. Spray Dinocap @ 0.5ml or Carbendazim @ 0.5gm/litre of water against Powdery Mildew.
4. Spray Methyl Parathion 50 EC @ 1ml/litre of water against Mango Scales and Shoot Borer.
5. Spray Carbendazim @ 0.5gm/litre against Mango Malformation & Anthracnose.

#### **CITRUS**

1. Give half dose of Urea to Citrus plants as per the age.
2. Spray Zinc Sulphate @ 3gm/litre if Zinc deficiency symptoms are observed.
3. Spray the plants with Dimethoate @ 1ml/litre or Methyl Parathion @ 1 ml/ litre of water against Citrus Psylla & Leaf Miner.
4. Spray Copper Oxychloride @ 3gm/litre of water against Anthracnose, Canker, Melanose and Dieback in Citrus. Repeat spray at fortnightly interval.

#### **GUAVA**

1. Give half dose of Urea.
2. To avoid rainy season crop spray Urea @ 10gm/litre of water at full bloom stage.

3. Prune dried / diseased branches and drench with Carbendazim @ 1gm/litre of water in the basins against Guava Wilt.

#### BER

1. Harvest the mature fruits.
2. Spray Dimethoate 30 EC @ 1.5 ml/litre against Ber Fruit Fly but stop spraying at least 15 days before fruit harvesting.
3. Clean cultivation / sanitation of orchards by picking and destroying the infested fruits.

#### LITCHI

1. Spray Methyl Parathion 50 EC @ 1ml/litre of water at fruit set stage against Borer.

#### ANAR

1. For control of Anar Butterfly, spray Cypermethrin 10EC / 25EC @ 7ml / 10 litres of water or 3ml / 10 litres of water respectively when flowering starts i.e. end of March to 1<sup>st</sup> week of April depending upon the location.

#### APPLE AND PEAR

1. Spray Dinocap @ 0.5ml/ litre of water or Carbendazim @ 0.5gm/ litre of water or Triadimefon 25WP @ 0.5gm/ litre of water against Powdery Mildew.
2. Prepare basins up to canopy of the tree during last fortnight.

#### STONE FRUITS (PEACH, PLUM, APRICOT)

1. Apply remaining half dose of Urea.
2. Second spray of Copper Fungicide @ 3gm/litre of water or Carbendazim @ 0.5gm/litre of water against Leaf Curl / Blight when 80% petal fall occurs (15<sup>th</sup> March to end of March).
3. Treat the plants against Gummosis by scraping the diseased portion along with some healthy part with knife & then washing with Mercuric Chloride (1 gm/litre) & applying Bordeaux paste 2:2:30 (Copper sulphate : Lime : Water).

#### WALNUT / PECAN NUT

1. Prepare basins during last fortnight.
2. Apply Urea and MOP as per age of the tree in two separate rings dug out in the basin.

#### FRUIT PLANT NURSERIES

1. Start removal of weeds from nursery beds in order to keep them neat and clean to avoid nutrient competition by plants and weeds.
2. Budding of Citrus plants and sowing of seeds of Citrus fruits.
3. Grafting of Mango seedlings/root stock.
4. Attempt chip budding from 15<sup>th</sup> of March in Aonla.

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