

**GOVERNMENT OF INDIA
AGRICULTURE
LOK SABHA**

UNSTARRED QUESTION NO:242
ANSWERED ON:26.02.2013
DISEASES IN MANGO TREES
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Will the Minister of AGRICULTURE be pleased to state:

- (a) the details of the diseases affecting mango trees in mango growing areas;
- (b) whether the Government is aware that some worms have attacked the mango trees in Konkan region in Maharashtra;
- (c) if so, the details thereof;
- (d) whether the Government has sent any team of experts to study these diseases and to suggest measures for its eradication;
- (e) if so, the details along with the outcome thereof; and
- (f) the remedial steps taken by the Government in this regard?

Answer

MINISTER OF STATE IN THE MINISTRY OF AGRICULTURE AND FOOD PROCESSING INDUSTRIES (SHRI TARIQ ANWAR)

(a) Diseases/insect pests affecting mango trees in mango growing areas are:-

Diseases-

Powdery Mildew

Anthracoise

Die Back

Phoma Blight

Bacterial Canker

Red rust

Stem-end Rot

Mango mal formation

Insect pests-

Mango Nut/Stone Weevil

Pulp Weevil

Mango Hopper

Mango Mealy bug

Inflorescence Midge

Fruit fly

Leaf Webber

Shoot borer

Bark eating caterpillar

Stem borer

Shoot gall psylla

Scale insect

(b) Incidences of mango stone weevil (*Sternochetus mangiferae*) and mango pulp weevil (*Sternochetus frigidus*) have been reported in Konkan region of Maharashtra state.

(c) Incidence of these worms was reported below economic threshold level.

(d) & (e) Officials of Department of Agriculture, Government of Maharashtra, scientists from State Agricultural Universities/ ICAR along with officers from Central Integrated Pest Management Centre in the State are doing surveillance and monitoring on regular basis. In order to manage these pests, cultural, mechanical, physical, biological and chemical methods are advocated to the mango growers including that in Konkan region of Maharashtra state.

Cultural Method includes collection and destruction of fallen fruits, seeds infested with mango stone weevil, ploughing of the fields/orchards. Biological methods include conservation of available natural enemies/existing bio-control agents effective for stone weevil management. Amongst chemical control, spraying of Dimethioate (0.1%) twice at 15 days interval when fruits are of marble size. Also spraying with carbaryl, chlorpyrifos and fenthion on main trunk and primary branches before flowering is recommended.

(f) The Central Integrated Pest Management Centre, Nagpur and Central Integrated Pest Management Centre, Goa have been asked to educate mango growers for the management of mango pests in Maharashtra state including Konkan region through their field activities.