

P39. MAJOR MISTAKES ON HOUSE FLY AND BLACK FLY MANAGEMENT IN TURKEY

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House fly (*Musca domestica*) is wrongly named in Turkey as "Black fly", which belongs to the Simuliidae family. Most types of Muscidae, Fannia, Simuliidae and Sarcophagidae, which are closely encountering with people and animals, are categorized as "filth flies". Some of these flies are present in residential areas and some other types of these flies can be seen mostly in farms, stables, poultry farmhouses and sheds which are also close to the people. They are the carriers of *Ascaris* and some worms as well as numerous intestinal, eye and skin diseases. They can carry these diseases both mechanically on their bodies and with the body fluids which they receive from their own food.

Control measures should be taken, considering the general conditions of the growth and living areas of house flies, black flies and filth flies in general. Being successful is not easy only with chemical control, without sanitation, physical precautions, personal protection and if possible biologic control

IVM programs against flies

- 1- Cities and residential area
- 2- Animal shelters and sheds

Active ingredients for chemical control

- 1- Larvicides
- 2- Adulticides

MOH registration and label dose mistakes

(Example) To apply square meter basis dosages for bait formulations

Mistakes of formulators

(Example) Can we apply high active ingredient concentrations in all bait formulations?

Mistakes of applicators (local authorities/municipalities)

- 1- Is there a realistic program?
- 2- Is there any monitoring (fly density measurement) on the area?
- 3- Suitable place, time and products for true applications?

Personal Mistakes

- 1- Is there enough personal protection and sanitation?
- 2- Suitable place, time and products for true applications?

Consequently; a successful control program against house flies and filth flies in general is possible only by executing an integrated control program in which all the actors of the program do their own jobs correctly.

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