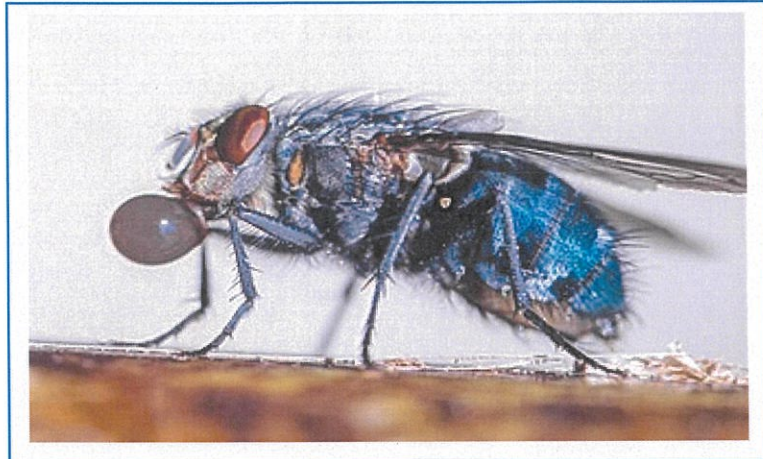


DANGERS OF HOUSE FLY BORNE DISEASES



**1. INTRODUCTION**

The house fly, Latin name *Musca domestica*, is the most common and widespread species of fly in the world. House flies usually feed and reproduce in feces, animal manure, carrion and other decaying organic substances. Just looking at maggots which is the larval stage of the fly you can imagine that flies live in intimate association with many microorganisms. These organisms stick to the body surfaces of the fly or is ingested and reproduce in the gut of the fly. These pathogens (Megare) are then either rubbed off or regurgitated (depicted by the photo) on food and other surfaces and thereby spreads disease.

**2. DISEASES CARRIED BY FLIES**

The house fly is known to carry pathogens that can cause serious and life-threatening diseases in humans. Over 100 pathogens including bacteria, viruses, fungi and parasites have been associated with the common House fly.

The two most common and severe diseases that are spread by flies:

- 2.1 Gastro enteritis- caused by bacteria like Salmonella, Shigella, V. Cholera, E.Coli and many viral species like Rota and Nora virus which is particularly dangerous to babies and small children.
- 2.2 Anthrax is a bacterial infection which occurs in 3 forms: skin, lungs and intestinal. If left untreated, this infection can prove fatal. I am sure all the farmers at Botash are acutely aware of this dangerous pathogen.

**3. PREVENTION OF FLY CARRIED DISEASES**

- 3.1 Make sure all food waste is correctly disposed of in a bin with a lid.
- 3.2 Keep outside bins secure with sealed lids and away from windows and doors.
- 3.3 Clean up food and water spills as soon as they occur.
- 3.4 Use Mechanical measures like fly swatters and fly lint to trap the flies.
- 3.5 Chemical poisons like DOOM should be used with caution and appropriately.

  
Company Medical Doctor

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Date