A survey study on the most important filth flies distributed in Makkah Al-Mukaramah during Hajj seasons of (1428 and 1429 H)

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:Abstract

This study aims to survey the most important medical insects especially filth flies in Makkah which act as the main vectors of many pathogens. Details on the distribution and weekly abundance of these flies are given in Hajj seasons (1428H & 1429H). Ten species have been treated, they were found to be abundant in the 13 localities of the study. However, the abundance was significantly differentiated from site to site to some extent. The collected fly numbers highly increased in the third and fourth weeks after Hajj, and that may be rendered to the fact that the accumulated filths increases after Hajj.

In the fifth week the normal abundance of flies was recorded.

# Introduction

	Diptera		
		(Filth	flies)
	(	Family: Muscidae)	Muscoid flies
	(Family: Sarcophagidae)		
		(Family:	Calliphoridae)
	(Holometabolo	ous)	
(Eggs)			
			(Larvae)
(Adults)	(Pupae)		
			.(



Greenberg 1973; )
Wardhaugh and Morton 1990; Graczyk et al. 1999; Fischer et al. 2001; (Heath 2002; Muhammad and Ludeck 2004; Henning et al. 2005

## :Material and Methods

Yellow sticky

x traps

# :Results

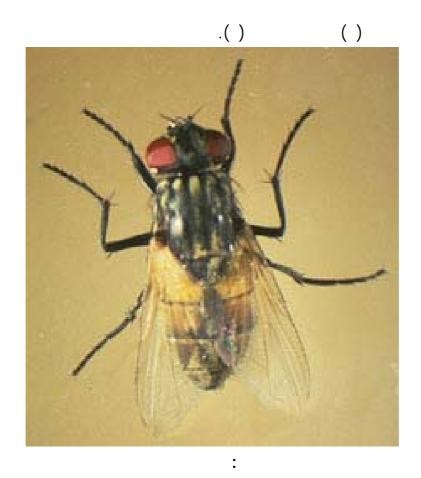
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- (House fly)

Musca domestica Linnaeus:

Family: Muscidae -

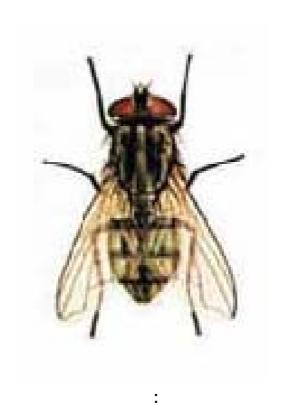
Order: Diptera-



# - (Eye fly or Bazaar fly) Musca sorbens (Wiedemann): Family: Muscidae - : Order: Diptera - : :

Musca autumnalis
.Bush fly

Epidemic conjunctivitis



# Musca albina Wiedemann:

Family: Muscidae -

Order: Diptera-

Musca lucidula (Loew):

Family: Muscidae - :

Order: Diptera-

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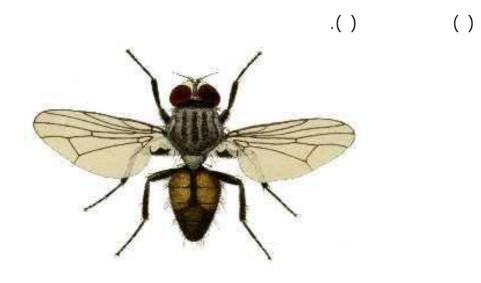
- (Lesser House fly)

Fannia canicularis (Linnaeus):

Family: Faniidae -

Order: Diptera-

(Myiasis)



- (Stable fly)

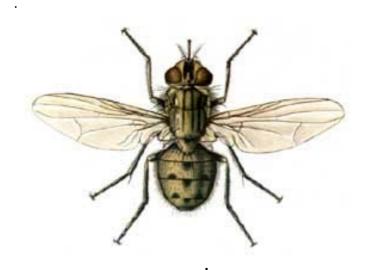
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Stomoxys calcitrans (Linnaeus):

Family: Muscidae -

Order: Diptera -

( )



# - (Green Blow fly)

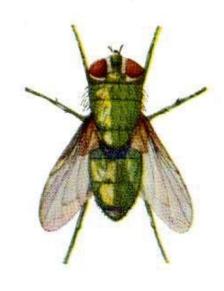
.( )

Lucilia sericata (Meigen):

Family: Calliphoridae -

Order: Diptera -

(Myiasis)



- (Blue fly)

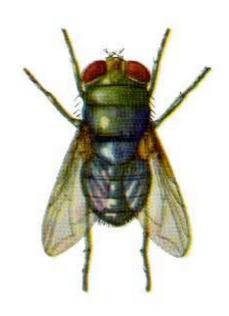
Chrysomyia sp.:

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Family: Calliphoridae -

Order: Diptera -

(Myiasis)

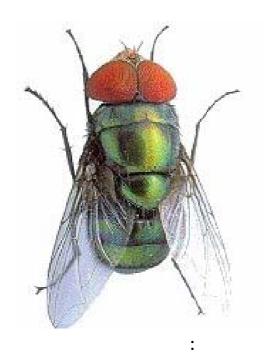


# - (Oriental latrine fly)

Chrysomya megacephala (Fabricius) :

Family: Calliphoridae -

Order: Diptera -



- (Flesh fly)

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Sarcophaga sp.:

Family: Sarcophagidae -

Order: Diptera -

(Myiasis)

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	-			, ,		10.1.2008		3.1.2008		6.12.2007		
%		%		%		%		%		%		
78.3	27423	17.9		20.9		25.1	6892	21		15.1		Musca domestica
4.7	1649	15.4		24.1		25.2		22.4		12.9		Musca sorbens
5.5	1915	15.1		18.6		27.1		22.9		16.3		Musca albina
8.7	3057	19.2		19.6		21.1		22		18.1		Musca lucidula
0.65	229	18.3		34.9		14.8		17.9		14		Fannia canicularis
0.83	291	16.1		27.1		23.4		15.8		17.5		Stomoxys calcitrans
0.33	116	24.1		48.3		19.8		6		1.7		Lucilia sericata
0.33	115	19.2		40		30.4		10.4		0	-	Chrysomyia sp.
0.48	168	12.5		32.7		39.9		10.7		4.2		Chrysomya
												megacephala
0.13	48	14.8		35.4		50		4.2		0	-	Sarcophaga sp.
	35011		6192		7404		8723		7380		5312	

