

Sendung mit der Maus – Warum brummen Fliegen?

Why do flies buzz?

Länge: 4'13"

10:00:02x – 10:00:05	This is an ordinary housefly.
10:00:05x – 10:00:08x	When it flies, it buzzes.
10:00:10 – 10:00:13	In summer, there are a lot of flies inside the house.
10:00:14 – 10:00:19	Flies often fly against windows as they always fly into the light.
10:00:21x – 10:00:25	Flies often sit on the panes and clean themselves.
10:00:31 – 10:00:35x	As you can see, the fly's body is covered by an armour.
10:00:36x – 10:00:40	This armour holds the fly's body together.
10:00:44x – 10:00:47x	Flies inside a house are in search of food-
10:00:48 – 10:00:51x	which they slurp through their proboscis.
10:00:54 – 10:00:58	This fly here, for instance, is drinking spilled lemonade.
10:01:03x – 10:01:07	There's a lot of sugar in it. And flies love sugar.
10:01:10 – 10:01:12x	This is the wing of a fly.
10:01:13x – 10:01:17	The fly also cleans its wings very often.
10:01:20 – 10:01:24	Flies are very small, but their buzzing is all the louder.
10:01:24x – 10:01:26	So the question is:
10:01:27 – 10:01:29	Why do flies buzz so loudly?
10:01:30x – 10:01:33x	Our filmmaker Herbert tries to find the answer.
10:01:34x – 10:01:37	He's caught a fly.
10:01:41x – 10:01:44x	Yes, it sounds like a really huge buzzer.
10:01:49x – 10:01:52	But why does the fly buzz?

10:01:53 – 10:01:58	When flying, the fly moves its wings up to a 1000 times per second.
10:02:03 – 10:02:08x	Herbert is too slow, but makes a noise with the papers.
10:02:09x – 10:02:13	The faster he moves, the higher the sound.
10:02:14x – 10:02:18x	It is the same with the fly. The wings move up and down so quickly-
10:02:19 – 10:02:21x	that they make a sound.
10:02:22 – 10:02:26	But the fly also makes noises with something else.
10:02:27x – 10:02:32x	Herbert wears a knight's armour that rattles, when he moves.
10:02:33 – 10:02:38	Exactly the same happens with the flies. The small parts of their armour rub
10:02:38x – 10:02:41	and make a noise, as well.
10:02:41x – 10:02:45x	So: The whipping wings and the small rattling armour parts
10:02:46 – 10:02:48x	cause the typical buzzing of a fly.
10:02:49 – 10:02:53x	But now it has worked enough and can be set free again.
10:03:00x – 10:03:02	Where will it fly?
10:03:03 – 10:03:07	Will it stay in the city? Or will it move to the country?
10:03:09 – 10:03:12	It has chosen the country - a very good idea.
10:03:12x – 10:03:15	There are a lot of cows and fellow flies.
10:03:16x – 10:03:19	Unfortunately the buzzing is a problem there.
10:03:19x – 10:03:24	The buzzing gives the flies away. And the cows chase away the flies-
10:03:24x – 10:03:30	by waving their tails, blinking and shaking their heads.

10:03:31 – 10:03:35	From the eyes the flies suck a little liquid on which they feed.
10:03:43x – 10:03:47x	Flies also like the liquid coming out of the nose.
10:03:48 – 10:03:50x	The cows not so much.
10:03:51 – 10:03:55	The cows even use their ears to chase away the flies.
10:03:56 – 10:03:58	Another reason why there are flies on cows-
10-03:58x – 10:04:01x	they meet other flies with whom they mate.
10:04:02 – 10:04:05	The flies lay eggs in the cowpats.
10:04:05x – 10:04:10	A lot of other flies come out of them, if no cow treads on them.