

<50%

number of biting flies seen on the striped cows was less than half the number seen on unpainted cows.

Not only does biting flies transmit various virus and bacteria, they also creates great pain and irritation to the cattle, causing aggressive fly-repelling behavior.

Common flies found near Cattles



Horn Fly

Feeds on Blood
Dislike Light Colors
3.5 ~ 5mm

Disease:

Staphylococcus



Horse Fly

Feeds on Blood
Dislike Light Colors
12~25mm

Disease:

Equine Infectious Anemia Virus

The economic impact of biting flies on US cattle production was estimated at \$2,211 million per year.

Japanese researchers claims to be the first study to evaluate how biting flies react towards zebra-like stripes painting on live animals



Kojima T, Oishi K, Matsubara Y, Uchiyama Y, Fukushima Y, Fukushima Y, Aoki N, et al. (2019) Cows painted with zebra-like striping can avoid biting fly attack. PLoS ONE 14(10): e0223447. <https://doi.org/10.1371/journal.pone.0223447>