



BROWN HARE



Wolf-deterrent fences: wildlife permeability

Camera observation of pastures

- Study sites: 18 pastures equipped with wolf-deterrent five or six row permanent electric fence with wire in Lower Saxony
- Observation periods: June till October 2021 / December 2022 till July 2023
- Total days of observation: 1292
- Days with evidence of wildlife species on pastures: 406
- Evidence of wildlife species on 17 of 18 pastures
- Total records of wildlife: 573



ROE DEER



Brown hare and roe deer jump through the wolf-deterrent permanent electric fence with six rows of horse wire.

Videos are available at:
www.herdenschutz-niedersachsen.de

PINE MARTEN



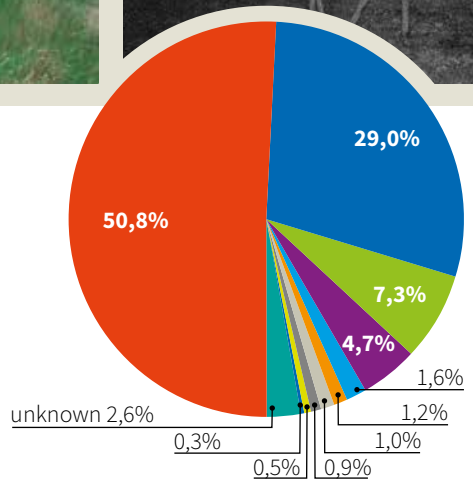
RED DEER



RED FOX

Evidence of wildlife on pastures with permanent wolf-deterrent electric fences through camera traps (n=573)

- Brown hare = 291
- Raccoon dog = 7
- Roe deer = 166
- Raccoon = 6
- Red fox = 42
- Badger = 5
- Pine marten = 27
- Wild boar = 3
- Red deer = 9
- Hedgehog = 2



Picture: Timo Nolte

Wildlife presence on pastures before and after construction of wolf-deterrent permanent electric fences by sightings

30 standardized surveys of livestock husbandries in Lower Saxony, which have constructed a wolf-deterrent permanent electric fence within the last few years. 21 of them spotted wolves or signs of wolves in the immediate vicinity outside their pastures. Wolves and wild boars (with three exceptions for piglets) did not cross the fences.

- Prior fence construction
- After fence construction

Wildlife sightings on pastures

% of respondents (2021 / 2023)

